



**THE
GORDIAN
GROUP®**



Monterey County Facilities

Job Order Contracting

Construction Task Catalog®

**Volume I
(01 - 22)**

August 2014

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31 23 Excavation And Fill	4
31 24 Embankments	12
31 25 Erosion And Sedimentation Controls	13
31 30 Earthwork Methods	15
31 31 Soil Treatment	15
31 32 Soil Stabilization	16
31 36 Gabions	18
31 37 Riprap	19
31 40 Shoring And Underpinning	19
31 41 Shoring	19
31 45 Vibroflotation And Densification	20
31 48 Underpinning	20
31 50 Excavation Support And Protection	20
31 52 Cofferdams	20
31 60 Special Foundations And Load-bearing Elements	20
31 62 Driven Piles	20
31 63 Bored Piles	23
31 64 Caissons	25
31 68 Foundation Anchors	29
32 Exterior Improvements	1
32 01 Operation And Maintenance Of Exterior Improvements	1
32 01 11 Paving Cleaning	1
32 01 16 Flexible Paving Rehabilitation	1
32 01 17 Flexible Paving Repair	3
32 01 26 Rigid Paving Rehabilitation	4
32 01 90 Operation And Maintenance Of Planting	4
32 10 Bases, Ballasts, And Paving	7
32 11 Base Courses	7
32 12 Flexible Paving	8
32 13 Rigid Paving	13
32 14 Unit Paving	16
32 15 Aggregate Surfacing	20
32 16 Curbs, Gutters, Sidewalks, And Driveways	20
32 17 Paving Specialties	26
32 18 Athletic And Recreational Surfacing	38
32 30 Site Improvements	45
32 31 Fences And Gates	45
32 32 Retaining Walls	95
32 33 Site Furnishings	100
32 39 Manufactured Site Specialties	106
32 80 Irrigation	107
32 84 Planting Irrigation	107
32 90 Planting	118
32 91 Planting Preparation	118
32 92 Turf And Grasses	121
32 93 Plants	125
32 94 Planting Accessories	159
32 96 Transplanting	162
33 Utilities	1
33 01 Operation And Maintenance Of Utilities	1
33 01 30 Operation And Maintenance Of Sewer Utilities	1
33 05 Common Work Results For Utilities	30
33 05 13 Manholes And Structures	30
33 05 16 Utility Structures	30
33 05 23 Trenchless Utility Installation	40
33 10 Water Utilities	41
33 11 Water Utility Distribution Piping	41
33 12 Water Utility Distribution Equipment	82
33 13 Disinfecting of Water Utility Distribution	88
33 16 Water Utility Storage Tanks	89
33 20 Wells	89
33 21 Water Supply Wells	89
33 26 Relief Wells	98
33 30 Sanitary Sewerage Utilities	98
33 31 Sanitary Utility Sewerage Piping	98

Table of Contents

33 32 Wastewater Utility Pumping Stations	102
33 36 Utility Septic Tanks	102
33 39 Sanitary Utility Sewerage Structures	104
33 40 Storm Drainage Utilities.....	108
33 41 Storm Utility Drainage Piping	108
33 42 Culverts	152
33 44 Storm Utility Water Drains.....	153
33 46 Subdrainage	166
33 50 Fuel Distribution Utilities.....	167
33 51 Natural-Gas Distribution.....	167
33 56 Fuel-Storage Tanks	173
33 60 Hydronic And Steam Energy Utilities.....	173
33 61 Hydronic Energy Distribution.....	173
33 70 Electrical Utilities	193
33 71 Electrical Utility Transmission And Distribution.....	193
34 Transportation	1
34 40 Transportation Signaling and Control Equipment	1
34 41 Roadway Signaling and Control Equipment	1
34 70 Transportation Construction And Equipment	3
34 71 Roadway Construction.....	3
35 Waterway and Marine Construction	1
35 01 Operation And Maintenance Of Waterway and Marine Construction	1
35 01 70 Operation And Maintenance Of Dams.....	1
35 05 Common Work Results for Waterway and Marine Construction	1
35 05 70 Common Work Results for Dams.....	1
35 20 Waterway and Marine Construction and Equipment	1
35 20 16 Hydraulic Gates	1
35 20 19 Hydraulic Valves.....	3
35 20 23 Dredging.....	4
40 Process Interconnections	1
40 05 Common Work Results For Process Interconnections.....	1
40 05 23 Stainless Steel Process Pipe and Tubing.....	1
40 05 41 Glass Process Pipe	34
41 Material Processing And Handling Equipment	1
41 01 Operation And Maintenance Of Material Processing And Handling Equipment	1
41 01 20 Operation And Maintenance Of Piece Material Handling Equipment	1
41 20 Piece Material Handling Equipment.....	1
41 22 Cranes And Hoists.....	1
43 Process Gas and Liquid Handling, Purification, and Storage Equipment	1
43 20 Liquid Handling Equipment	1
43 23 Dry Location Liquid Pumps	1
43 24 Suspended Liquid Pumps	1
43 40 Gas and Liquid Storage.....	1
43 41 Non-pressurized Tanks And Vessels	1

CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in August 2014.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading materials, tools and equipment within 125' of the site; moving materials, tools and equipment from storage area or truck up to 2 ½ stories (2 stories with an attic); layout, measuring and cutting to fit, labor to perform the task, permit compliance, start-up, clean-up of construction debris, job meetings, and time lost for normal work breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's

compensation, unemployment insurance and employee benefits.

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ Unit Prices include delivery, unloading and storing materials, tools and equipment on site; moving, materials, tools and equipment from storage area or truck to areas inside the building up to 2 ½ stories (2 stories with an attic) and within 125' to reach the

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site. If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices exclude moving material, tools and equipment to areas inside the building greater than 2 ½ stories and more than 125' to reach the site (See 01661900).
- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the demolished items; clean-up of the area; and moving demolished items inside the

building 2 ½ stories and within 125' of the site into a truck or dumpster or to a designated area for owner salvaged items.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), trash chutes (See 01741900), and moving demolished items inside the building more than 2 ½ stories or more than 125' from the site (See 01661900), unless the task description states otherwise.
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification

- project meetings, training, management and supervision
- mobilization and close-out for the contract and each Job Order and
- project office staff and equipment.
- Profit.
- Subcontractor's overhead and profit.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Employee or Subcontractor's wage rates that exceed the prevailing wage rates.
- Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.
- Meeting Owner security requirements.
- Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).
- Protection of all surfaces including those not in the scope of work from construction dust, debris or damage during construction up until final acceptance. The methods of protection including plastic, paper, sealing doors or windows, etc. are the Contractor's responsibility.
- Daily clean-up.
- Final professional project clean-up.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Costs resulting from productivity loss.
- Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- Differences in project size; complexity and location.
- All costs for other than discreet items of work specifically required to complete a particular Job Order.

CONSTRUCTION RELATED COSTS:

- Services required to obtain filings and permits.
- Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- Incidental engineering and architectural services.
- Office trailer and portable toilets for Contractor's use.
- Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- Personnel safety equipment (e.g. hard hats, safety harnesses (with lifeline or cabling), protective clothing, safety glasses, face shields, etc.), basic safety and warning signage, and minor barricades (e.g. construction tape, etc.).

PRICE VARIATIONS:

- Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.



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- ☑ While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

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

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
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- ☑ No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

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

FIELD ENGINEERING:

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

or adjacent to the site, any other surveying required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

ASSEMBLIES:

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

TESTING:

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

MISCELLANEOUS:

- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price

adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** – Bank (In-place) Cubic Yards, **BF** – Board Foot, **BOX** – Box (each), **BTU** – British Thermal Unit, **C** – One Hundred, **CCF** – One Hundred Cubic Feet, **CCY** – Compacted Cubic Yards, **CF** – Cubic Foot, **CFM** – Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** – One Hundred Linear Feet, **CSF** – One Hundred Square Feet, **CSY** – Hundred Square Yards, **CWT** – Hundred Weight, **CY** – Cubic Yard, **CYM** – Cubic Yard Mile, **DAY** – Day, **DRM** – Drum (each), **EA** – Each, **FLR** – Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** – Ground Square Foot, **HR** – Hour, **HWT** – Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** – Loose (Excavated) Cubic Yards, **LF** – Linear Foot, **LFD** – Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** – One Thousand Board Feet, **MBH** – One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** – One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** – One Thousand Linear Feet, **MO** – Month, **MSF** – One Thousand Square Feet, **MSY** – One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** – Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** – Roll (each), **ROM** – Room, **ROW** – Row, **RSR** – Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** – Square Foot, **SHT** – Sheet, **SI** – Square Inch, **STP** – Stop (each), **SQ** – Square or One Hundred Square Feet, **SY** – Square Yard, **SYI** – Inches per Square Yard, **TNM** – Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** – United Inch, **UNT** – Unit, **VLF** – Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

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MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the site, unless otherwise directed by the Owner.

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:**Circle**

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

Cylinder

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

Sphere

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

 $\pi = 3.14159$ **United Inch**

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

TRADEMARKS

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

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

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment ^(01 22)

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

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

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
<p>Note: Reimbursable fees will be paid to the contractor for the actual cost, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The labor cost involved in obtaining all permits is in the Adjustment Factor. The base cost of the Reimbursable Fee is \$1.00. The quantity used will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, each one shall be listed separately with a comment in the "note" block to identify the Reimbursable Fees (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.</p>			

01 22 20 Wage Rates ^(01 22)

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. Wage rates include base rate, fringe and an allowance for payroll taxes, worker's compensation, unemployment insurance, etc.

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

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

01 22 20 00-0002	EA	Carpenter Minimum Charge.....	725.07
<p>Note: Use this item exclusively for work not in CTC. This item should not be used in conjunction with any other tasks.</p>			
01 22 20 00-0003	EA	Carpet, Linoleum Minimum Charge	744.85
<p>Note: Use this item exclusively for work not in CTC. This item should not be used in conjunction with any other tasks.</p>			
01 22 20 00-0004	EA	Cement Mason Minimum Charge	560.42
<p>Note: Use this item exclusively for work not in CTC. This item should not be used in conjunction with any other tasks.</p>			
01 22 20 00-0005	EA	Drywall Finisher Minimum Charge	631.30
<p>Note: Use this item exclusively for work not in CTC. This item should not be used in conjunction with any other tasks.</p>			
01 22 20 00-0006	EA	Drywall Installer Minimum Charge	727.85
<p>Note: Use this item exclusively for work not in CTC. This item should not be used in conjunction with any other tasks.</p>			
01 22 20 00-0007	EA	Electrician Minimum Charge	805.52
<p>Note: Use this item exclusively for work not in CTC. This item should not be used in conjunction with any other tasks.</p>			
01 22 20 00-0008	EA	Glazier Minimum Charge	676.60
<p>Note: Use this item exclusively for work not in CTC. This item should not be used in conjunction with any other tasks.</p>			
01 22 20 00-0009	EA	Insulator Minimum Charge.....	670.08
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0010	EA	Laborer Minimum Charge	554.37
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0011	EA	Landscape Maintenance Worker Minimum Charge	241.45
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0012	EA	Ornamental Metal Worker Minimum Charge.....	809.25
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0013	EA	Painter, Ordinary Minimum Charge	592.01
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0014	EA	Plasterer Minimum Charge	627.24
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0015	EA	Plumber Minimum Charge	845.18
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0016	EA	Roofer, Tile/Slate Minimum Charge.....	701.94
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0017	EA	Roofer, Composite Built-Up Minimum Charge.....	705.34
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			
01 22 20 00-0018	EA	Sheet Metal Worker Minimum Charge.....	771.79
<p>Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.</p>			

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0019	EA		Sprinkler Installer Minimum Charge .....684.63 Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.		
01 22 20 00-0020	EA		Tile Layer (Floor) Minimum Charge .....633.00 Note: Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.		
01 22 20 00-0021			Local Labor/Wage Rates ^(01 22 20) Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.		
01 22 20 00-0022	HR		Asbestos Removal Worker .....58.27 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....2.91		
			<i>For Apprentice, Deduct</i> .....-11.65		
01 22 20 00-0023	HR		Insulator .....80.64 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....4.03		
			<i>For Apprentice, Deduct</i> .....-16.13		
01 22 20 00-0024	HR		Boilermaker .....85.80 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....4.29		
			<i>For Apprentice, Deduct</i> .....-17.16		
01 22 20 00-0025	HR		Brick Layer .....73.85 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.69		
			<i>For Apprentice, Deduct</i> .....-14.77		
01 22 20 00-0026	HR		Carpenter .....75.01 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.75		
			<i>For Apprentice, Deduct</i> .....-15.00		
01 22 20 00-0027	HR		Carpet, Linoleum .....80.61 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....4.03		
			<i>For Apprentice, Deduct</i> .....-16.12		
01 22 20 00-0028	HR		Cement Mason .....63.80 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.19		
			<i>For Apprentice, Deduct</i> .....-12.76		
01 22 20 00-0029	HR		Drywall Finisher .....69.54 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.48		
			<i>For Apprentice, Deduct</i> .....-13.91		
01 22 20 00-0030	HR		Electrician .....81.94 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....4.10		
			<i>For Apprentice, Deduct</i> .....-16.39		
01 22 20 00-0031	HR		Equipment Operator, Heavy (Crane) .....77.17 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.86		
			<i>For Apprentice, Deduct</i> .....-15.43		
01 22 20 00-0032	HR		Equipment Operator, Medium (Bulldozer) .....74.97 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.75		
			<i>For Apprentice, Deduct</i> .....-14.99		
01 22 20 00-0033	HR		Equipment Operator, Light (Backhoe, Bobcat) .....70.36 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.52		
			<i>For Apprentice, Deduct</i> .....-14.07		
01 22 20 00-0034	HR		Glazier .....78.32 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.92		
			<i>For Apprentice, Deduct</i> .....-15.66		
01 22 20 00-0035	HR		Laborer .....66.17 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
01 22 20 00-0036	HR		Lather .....72.23 Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
			<i>For Foreman, Add</i> .....3.61		
			<i>For Apprentice, Deduct</i> .....-14.45		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037 HR Marble Setter	76.42	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.82	
For Apprentice, Deduct	-15.28	
01 22 20 00-0038 HR Millwright.....	76.92	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.85	
For Apprentice, Deduct	-15.38	
01 22 20 00-0039 HR Mold Removal Worker	61.36	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.07	
For Apprentice, Deduct	-12.27	
01 22 20 00-0040 HR Painter, Ordinary.....	67.75	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.39	
For Apprentice, Deduct	-13.55	
01 22 20 00-0041 HR Painter, Structural Steel	82.59	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	4.13	
For Apprentice, Deduct	-16.52	
01 22 20 00-0042 HR Paperhanger	69.09	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.45	
For Apprentice, Deduct	-13.82	
01 22 20 00-0043 HR Pile Drivers	88.05	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	4.40	
For Apprentice, Deduct	-17.61	
01 22 20 00-0044 HR Plasterer	65.91	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.30	
For Apprentice, Deduct	-13.18	
01 22 20 00-0045 HR Plumber	80.65	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	4.03	
For Apprentice, Deduct	-16.13	
01 22 20 00-0046 HR Powderman.....	62.51	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.13	
For Apprentice, Deduct	-12.50	
01 22 20 00-0047 HR Rodman (Reinforcing)/Ornamental Steel Worker	77.85	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.89	
For Apprentice, Deduct	-15.57	
01 22 20 00-0048 HR Roofer, Composite.....	69.42	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.47	
For Apprentice, Deduct	-13.88	
01 22 20 00-0049 HR Roofer, Metal	94.19	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
01 22 20 00-0050 HR Roofer, Tile/Slate	68.99	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.45	
For Apprentice, Deduct	-13.80	
01 22 20 00-0051 HR Sheet Metal Worker	83.97	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	4.20	
For Apprentice, Deduct	-16.79	
01 22 20 00-0052 HR Sprinkler Installer	60.58	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	3.03	
For Apprentice, Deduct	-12.12	
01 22 20 00-0053 HR Steam / Pipe Fitter	80.65	
Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.		
For Foreman, Add	4.03	
For Apprentice, Deduct	-16.13	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0054	HR		Stone Mason..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	73.85	
			For Foreman, Add	3.69	
			For Apprentice, Deduct	-14.77	
01 22 20 00-0055	HR		Structural Steel Worker..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	82.41	
			For Foreman, Add	4.12	
			For Apprentice, Deduct	-16.48	
01 22 20 00-0056	HR		Tile Layer..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	66.62	
			For Foreman, Add	3.33	
			For Apprentice, Deduct	-13.32	
01 22 20 00-0057	HR		Terrazzo Finisher..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	76.69	
			For Foreman, Add	3.83	
			For Apprentice, Deduct	-15.34	
01 22 20 00-0058	HR		Truck Driver, Light..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	62.18	
			For Foreman, Add	3.11	
			For Apprentice, Deduct	-12.44	
01 22 20 00-0059	HR		Truck Driver, Heavy..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	62.59	
			For Foreman, Add	3.13	
			For Apprentice, Deduct	-12.52	
01 22 20 00-0060	HR		Class I Diver..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	176.28	
01 22 20 00-0061	HR		Class III Diver Tender..... Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	102.42	
01 22 20 00-0062	HR		D1 Certified Welder..... Note: Tasks in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.	93.96	
01 22 20 00-0063			Rates For Services (01 22 20)		
01 22 20 00-0064	HR		Watchman/Guard, Unarmed.....	16.78	
01 22 20 00-0065	HR		Watchman/Guard, Armed.....	24.64	
01 22 20 00-0066	HR		OSHA Testing.....	71.25	
01 22 20 00-0067	HR		Investigating Engineer Or Specialty Consultant..... Note: For special investigating requirements or services outside required architectural and engineering services.	80.00	
01 22 20 00-0068	HR		Investigating Senior Engineer Or Specialty Consultant..... Note: For special investigating requirements or services outside required architectural and engineering services.	125.00	
01 22 20 00-0069	HR		Surveyor.....	75.00	
01 22 20 00-0070	HR		On Site Material Testing Technician.....	57.00	
01 22 20 00-0071	HR		Certified Industrial Hygienist.....	150.00	
01 22 20 00-0072	MI		Mileage For Professional Services (Engineering, Surveying, Etcetera)..... Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.56	
01 22 20 00-0073	HR		Industrial Hygienist.....	45.52	
01 22 20 00-0074	EA		Security Badge, Processing Fee.....	43.54	
01 22 20 00-0075	HR		Biologist.....	132.00	
01 22 20 00-0076	HR		Ecologist.....	145.00	
01 22 20 00-0077			Rates For Traffic Control (01 22 20)		
01 22 20 00-0078	DAY		Pilot Vehicle With Driver..... Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	739.15	
01 22 20 00-0079	HR		Flagperson For Traffic Control.....	66.17	
01 22 23			Equipment Rentals (01 22)		
			Note: Includes fuel costs unless otherwise stated. These tasks will be requested specifically by the owner for miscellaneous work not covered in the Construction Task Catalog®, for work above 14' for general construction and 4' for masonry, or for staging materials above 2-1/2 stories. Do not use these rental costs in addition to, or as a substitute for, any task. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001			Aerial Equipment (01 22 23)		
01 22 23 00-0002			Manlifts (01 22 23 00-0001) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003			Telescoping Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0004			Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY		40' Engine Powered, Telescoping Boom Manlift.....	443.64	
01 22 23 00-0006	WK		40' Engine Powered, Telescoping Boom Manlift.....	1,116.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Manlift.....	2,504.42	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Manlift.....	651.15	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Manlift.....	1,552.74	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Manlift.....	3,398.86	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Manlift.....	1,266.52	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Manlift.....	3,069.71	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Manlift.....	6,439.95	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Manlift.....	1,803.19	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Manlift.....	4,341.96	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Manlift.....	10,819.12	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Manlift.....	2,196.74	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Manlift.....	5,602.76	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Manlift.....	12,736.79	
01 22 23 00-0020	Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)	
01 22 23 00-0021	Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)	
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.	
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	312.26	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	783.50	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,884.93	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	397.42	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	868.66	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,156.31	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	510.98	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,180.92	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,640.04	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	891.37	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,100.68	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	5,108.61	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,731.64	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	4,087.80	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	9,992.40	
01 22 23 00-0037	Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)	
	Note: For use on paved surfaces.	
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Manlift.....	312.26	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Manlift.....	783.50	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Manlift.....	1,884.93	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Manlift.....	312.26	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Manlift.....	783.50	
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Manlift.....	1,884.93	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Manlift.....	386.07	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Manlift.....	834.59	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Manlift.....	2,072.29	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Manlift.....	386.07	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Manlift.....	834.59	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Manlift.....	2,072.29	
01 22 23 00-0050	Platform Lifts (01 22 23 00-0001)	
	Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-0051	Electric, Scissor Platform Lifts (01 22 23 00-0050)	
	Note: For use on paved surfaces.	
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift.....	144.14	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift.....	288.29	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift.....	589.68	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift.....	157.25	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift.....	314.50	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift.....	628.99	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift.....	203.11	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift.....	406.22	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift.....	811.42	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift.....	262.08	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift.....	517.61	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift.....	1,146.60	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift.....	281.74	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift.....	550.37	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift.....	1,244.88	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift.....	366.91	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift.....	910.73	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift.....	2,535.62	
01 22 23 00-0070	Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)	
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.	
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift.....	294.84	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	576.58	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,408.68	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	301.39	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	687.96	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	1,506.96	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	334.15	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	766.58	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	1,703.52	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	353.81	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	825.55	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,031.12	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	661.75	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	1,454.54	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	3,577.39	

01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	146.25	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	414.38	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	836.88	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	203.12	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	430.62	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	845.00	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	341.25	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	828.75	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,421.25	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	365.62	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	910.00	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,738.12	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	195.00	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	390.00	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	780.00	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	195.00	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	390.00	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	810.88	

01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	48' Bucket Truck With Full-Time Operator	920.74	
		<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-0107	WK	48' Bucket Truck With Full-Time Operator	4,003.72	
		<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-0108	MO	48' Bucket Truck With Full-Time Operator	15,091.91	
		<i>For Equipment Without Operator, Deduct</i>	-10,791.91	

01 22 23 00-0109 Air Equipment (01 22 23)

01 22 23 00-0110 Air Compressors (01 22 23 00-0109)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0111	DAY	100 CFM Diesel Powered Portable Air Compressor	161.97	
01 22 23 00-0112	WK	100 CFM Diesel Powered Portable Air Compressor	485.91	
01 22 23 00-0113	MO	100 CFM Diesel Powered Portable Air Compressor	1,349.75	
01 22 23 00-0114	DAY	130 CFM Diesel Powered Portable Air Compressor	194.36	
01 22 23 00-0115	WK	130 CFM Diesel Powered Portable Air Compressor	572.29	
01 22 23 00-0116	MO	130 CFM Diesel Powered Portable Air Compressor	1,619.70	
01 22 23 00-0117	DAY	185 CFM Diesel Powered Portable Air Compressor	259.15	
01 22 23 00-0118	WK	185 CFM Diesel Powered Portable Air Compressor	583.09	
01 22 23 00-0119	MO	185 CFM Diesel Powered Portable Air Compressor	1,284.96	
01 22 23 00-0120	DAY	375 CFM Diesel Powered Portable Air Compressor	367.13	
01 22 23 00-0121	WK	375 CFM Diesel Powered Portable Air Compressor	928.63	
01 22 23 00-0122	MO	375 CFM Diesel Powered Portable Air Compressor	2,213.59	
01 22 23 00-0123	DAY	600 CFM Diesel Powered Portable Air Compressor	816.33	
01 22 23 00-0124	WK	600 CFM Diesel Powered Portable Air Compressor	1,965.24	
01 22 23 00-0125	MO	600 CFM Diesel Powered Portable Air Compressor	4,897.97	
01 22 23 00-0126	DAY	750 CFM Diesel Powered Portable Air Compressor	982.62	
01 22 23 00-0127	WK	750 CFM Diesel Powered Portable Air Compressor	2,418.75	
01 22 23 00-0128	MO	750 CFM Diesel Powered Portable Air Compressor	5,938.90	
01 22 23 00-0129	DAY	825 CFM Diesel Powered Portable Air Compressor	982.62	
01 22 23 00-0130	WK	825 CFM Diesel Powered Portable Air Compressor	2,418.75	
01 22 23 00-0131	MO	825 CFM Diesel Powered Portable Air Compressor	5,938.90	
01 22 23 00-0132	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,144.59	
01 22 23 00-0133	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,565.60	
01 22 23 00-0134	MO	1,300 CFM Diesel Powered Portable Air Compressor	6,841.61	
01 22 23 00-0135	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,425.34	
01 22 23 00-0136	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,207.01	
01 22 23 00-0137	MO	1,600 CFM Diesel Powered Portable Air Compressor	8,552.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0138 Negative Air Machines (01 22 23 00-0109) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0139 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	56.00	
01 22 23 00-0140 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	230.00	
01 22 23 00-0141 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	695.00	
01 22 23 00-0142 EA Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine.....	193.55	
01 22 23 00-0143 LF Discharge Flexible Duct For Negative Air Machine.....	1.79	
01 22 23 00-0144 Portable Air Scrubbers (01 22 23 00-0109) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0145 DAY 200 to 800 CFM Portable Air Scrubber.....	54.00	
01 22 23 00-0146 WK 200 to 800 CFM Portable Air Scrubber.....	230.00	
01 22 23 00-0147 MO 200 to 800 CFM Portable Air Scrubber.....	695.00	
01 22 23 00-0148 DAY 800 to 2,000 CFM Portable Air Scrubber	81.00	
01 22 23 00-0149 WK 800 to 2,000 CFM Portable Air Scrubber.....	345.00	
01 22 23 00-0150 MO 800 to 2,000 CFM Portable Air Scrubber.....	1,015.00	
01 22 23 00-0151 Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0152 Pavers And Rollers (01 22 23 00-0151) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0153 Pavers (01 22 23 00-0152)		
01 22 23 00-0154 DAY 10' Wide Paving Machine With Full-Time Operator	4,387.20	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0155 WK 10' Wide Paving Machine With Full-Time Operator	14,361.12	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0156 MO 10' Wide Paving Machine With Full-Time Operator	47,886.82	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0157 Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0152)		
01 22 23 00-0158 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,014.77	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0159 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	4,254.00	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0160 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	16,333.22	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0161 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,174.95	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0162 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,445.18	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0163 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	18,131.63	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0164 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,182.23	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0165 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	4,971.91	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0166 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	18,481.11	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0167 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0152)		
01 22 23 00-0168 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,080.30	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0169 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,331.18	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0170 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,777.36	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0171 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,386.10	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0172 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,950.07	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0173 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,728.67	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0174 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,458.91	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0175 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,408.77	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0176 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	20,010.12	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0177 Towed, Padfoot Rollers (01 22 23 00-0152)		
01 22 23 00-0178 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	138.34	
01 22 23 00-0179 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	400.46	
01 22 23 00-0180 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,179.52	
01 22 23 00-0181 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	174.74	
01 22 23 00-0182 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	487.83	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0183 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	2,075.08	
01 22 23 00-0184 Static Rollers (01 22 23 00-0152)		
01 22 23 00-0185 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	1,116.70	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0186 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	4,644.27	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0187 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	17,803.98	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0188 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	1,276.88	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0189 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	5,081.13	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0190 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	18,992.98	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0191 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0152)		
01 22 23 00-0192 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,065.73	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0193 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,374.87	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0194 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,566.21	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0195 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,160.39	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0196 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,651.55	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0197 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	17,287.03	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0198 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,349.69	
For Equipment Without Operator, Deduct	-599.75	
01 22 23 00-0199 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,204.90	
For Equipment Without Operator, Deduct	-2,998.76	
01 22 23 00-0200 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,750.51	
For Equipment Without Operator, Deduct	-12,925.71	
01 22 23 00-0201 Steel Plates (01 22 23 00-0151)		
Note: 3 day minimum.		
01 22 23 00-0202 DAY 1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0203 WK 1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0204 MO 1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0205 DAY 1" x 4' x 10' Steel Plate	25.00	
01 22 23 00-0206 WK 1" x 4' x 10' Steel Plate	56.25	
01 22 23 00-0207 MO 1" x 4' x 10' Steel Plate	68.75	
01 22 23 00-0208 DAY 1" x 5' x 10' Steel Plate	26.04	
01 22 23 00-0209 WK 1" x 5' x 10' Steel Plate	58.85	
01 22 23 00-0210 MO 1" x 5' x 10' Steel Plate	156.24	
01 22 23 00-0211 DAY 1" x 6' x 8' Steel Plate	16.67	
01 22 23 00-0212 WK 1" x 6' x 8' Steel Plate	37.50	
01 22 23 00-0213 MO 1" x 6' x 8' Steel Plate	99.99	
01 22 23 00-0214 DAY 1" x 6' x 10' Steel Plate	31.25	
01 22 23 00-0215 WK 1" x 6' x 10' Steel Plate	41.14	
01 22 23 00-0216 MO 1" x 6' x 10' Steel Plate	109.89	
01 22 23 00-0217 DAY 1" x 6' x 12' Steel Plate	43.75	
01 22 23 00-0218 WK 1" x 6' x 12' Steel Plate	55.99	
01 22 23 00-0219 MO 1" x 6' x 12' Steel Plate	151.55	
01 22 23 00-0220 DAY 1" x 8' x 10' Steel Plate	27.60	
01 22 23 00-0221 WK 1" x 8' x 10' Steel Plate	61.98	
01 22 23 00-0222 MO 1" x 8' x 10' Steel Plate	165.09	
01 22 23 00-0223 DAY 1" x 8' x 12' Steel Plate	50.00	
01 22 23 00-0224 WK 1" x 8' x 12' Steel Plate	61.98	
01 22 23 00-0225 MO 1" x 8' x 12' Steel Plate	299.98	
01 22 23 00-0226 DAY 1" x 8' x 16' Steel Plate	66.66	
01 22 23 00-0227 WK 1" x 8' x 16' Steel Plate	149.99	
01 22 23 00-0228 MO 1" x 8' x 16' Steel Plate	399.97	
01 22 23 00-0229 LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	1.61	0.82
01 22 23 00-0230 EA Remove And Reset Trench Plate.....	22.22	
01 22 23 00-0231 Street Sweepers (01 22 23 00-0151)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0232 DAY 8' Broom Sweeper With Full-Time Operator	801.47	
For Equipment Without Operator, Deduct	-562.88	
01 22 23 00-0233 WK 8' Broom Sweeper With Full-Time Operator	3,461.25	
For Equipment Without Operator, Deduct	-2,814.41	
01 22 23 00-0234 MO 8' Broom Sweeper With Full-Time Operator	14,182.94	
For Equipment Without Operator, Deduct	-12,131.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0235 DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator 1,022.61 Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. <i>For Equipment Without Operator, Deduct</i> -562.88	1,022.61	
01 22 23 00-0236 WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator 4,913.26 Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. <i>For Equipment Without Operator, Deduct</i> -2,814.41	4,913.26	
01 22 23 00-0237 MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator 20,102.12 Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. <i>For Equipment Without Operator, Deduct</i> -12,131.07	20,102.12	
01 22 23 00-0238 Earthmoving Equipment (01 22 23)		
01 22 23 00-0239 Skid-Steer Loaders (Bobcat) (01 22 23 00-0238) Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0240 DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 805.92 <i>For Equipment Without Operator, Deduct</i> -562.88	805.92	
01 22 23 00-0241 WK 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 3,501.00 <i>For Equipment Without Operator, Deduct</i> -2,814.41	3,501.00	
01 22 23 00-0242 MO 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 13,966.02 <i>For Equipment Without Operator, Deduct</i> -12,131.07	13,966.02	
01 22 23 00-0243 DAY 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 787.69 <i>For Equipment Without Operator, Deduct</i> -562.88	787.69	
01 22 23 00-0244 WK 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 3,488.85 <i>For Equipment Without Operator, Deduct</i> -2,814.41	3,488.85	
01 22 23 00-0245 MO 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 13,741.21 <i>For Equipment Without Operator, Deduct</i> -12,131.07	13,741.21	
01 22 23 00-0246 DAY 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 948.01 <i>For Equipment Without Operator, Deduct</i> -595.60	948.01	
01 22 23 00-0247 WK 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 4,077.77 <i>For Equipment Without Operator, Deduct</i> -2,978.01	4,077.77	
01 22 23 00-0248 MO 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator 15,503.60 <i>For Equipment Without Operator, Deduct</i> -12,836.24	15,503.60	
01 22 23 00-0249 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders 182.28	182.28	
01 22 23 00-0250 WK Hydraulic Hammer Attachment For Skid-Steer Loaders 498.23	498.23	
01 22 23 00-0251 MO Hydraulic Hammer Attachment For Skid-Steer Loaders 1,415.71	1,415.71	
01 22 23 00-0252 DAY Forklift Attachment For Skid-Steer Loaders 52.25	52.25	
01 22 23 00-0253 WK Forklift Attachment For Skid-Steer Loaders 139.75	139.75	
01 22 23 00-0254 MO Forklift Attachment For Skid-Steer Loaders 394.94	394.94	
01 22 23 00-0255 DAY Backhoe Attachment For Skid-Steer Loaders 115.44	115.44	
01 22 23 00-0256 WK Backhoe Attachment For Skid-Steer Loaders 277.07	277.07	
01 22 23 00-0257 MO Backhoe Attachment For Skid-Steer Loaders 689.02	689.02	
01 22 23 00-0258 DAY Broom Attachment For Skid-Steer Loaders 114.23	114.23	
01 22 23 00-0259 WK Broom Attachment For Skid-Steer Loaders 309.88	309.88	
01 22 23 00-0260 MO Broom Attachment For Skid-Steer Loaders 820.26	820.26	
01 22 23 00-0261 DAY 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders 76.56	76.56	
01 22 23 00-0262 WK 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders 243.04	243.04	
01 22 23 00-0263 MO 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders 577.22	577.22	
01 22 23 00-0264 Bulldozers (01 22 23 00-0238) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0265 DAY 70 HP, D3 Bulldozer With Full-Time Operator 984.32 <i>For Equipment Without Operator, Deduct</i> -599.75	984.32	
01 22 23 00-0266 WK 70 HP, D3 Bulldozer With Full-Time Operator 4,515.26 <i>For Equipment Without Operator, Deduct</i> -2,998.76	4,515.26	
01 22 23 00-0267 MO 70 HP, D3 Bulldozer With Full-Time Operator 17,424.43 <i>For Equipment Without Operator, Deduct</i> -12,925.71	17,424.43	
01 22 23 00-0268 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator 1,165.72 <i>For Equipment Without Operator, Deduct</i> -599.75	1,165.72	
01 22 23 00-0269 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator 5,248.12 <i>For Equipment Without Operator, Deduct</i> -2,998.76	5,248.12	
01 22 23 00-0270 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator 19,673.79 <i>For Equipment Without Operator, Deduct</i> -12,925.71	19,673.79	
01 22 23 00-0271 DAY 140 HP, D6 Bulldozer With Full-Time Operator 1,680.89 <i>For Equipment Without Operator, Deduct</i> -599.75	1,680.89	
01 22 23 00-0272 WK 140 HP, D6 Bulldozer With Full-Time Operator 7,308.82 <i>For Equipment Without Operator, Deduct</i> -2,998.76	7,308.82	
01 22 23 00-0273 MO 140 HP, D6 Bulldozer With Full-Time Operator 25,841.39 <i>For Equipment Without Operator, Deduct</i> -12,925.71	25,841.39	
01 22 23 00-0274 DAY 200 HP, D7 Bulldozer With Full-Time Operator 2,138.02 <i>For Equipment Without Operator, Deduct</i> -599.75	2,138.02	
01 22 23 00-0275 WK 200 HP, D7 Bulldozer With Full-Time Operator 9,144.59 <i>For Equipment Without Operator, Deduct</i> -2,998.76	9,144.59	
01 22 23 00-0276 MO 200 HP, D7 Bulldozer With Full-Time Operator 31,355.95 <i>For Equipment Without Operator, Deduct</i> -12,925.71	31,355.95	
01 22 23 00-0277 DAY 335 HP, D8 Bulldozer With Full-Time Operator 2,682.22 <i>For Equipment Without Operator, Deduct</i> -599.75	2,682.22	
01 22 23 00-0278 WK 335 HP, D8 Bulldozer With Full-Time Operator 11,321.39 <i>For Equipment Without Operator, Deduct</i> -2,998.76	11,321.39	
01 22 23 00-0279 MO 335 HP, D8 Bulldozer With Full-Time Operator 37,886.35 <i>For Equipment Without Operator, Deduct</i> -12,925.71	37,886.35	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0280	DAY		460 HP, D9 Bulldozer With Full-Time Operator	2,986.97	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0281	WK		460 HP, D9 Bulldozer With Full-Time Operator	12,533.14	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0282	MO		460 HP, D9 Bulldozer With Full-Time Operator	41,514.35	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0283 Motor Scraper <small>(01 22 23 00-0238)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0284	DAY		11 CY Motor Scraper-Hauler With Full-Time Operator	1,474.51	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0285	WK		11 CY Motor Scraper-Hauler With Full-Time Operator	6,497.80	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0286	MO		11 CY Motor Scraper-Hauler With Full-Time Operator	23,410.83	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0287	DAY		18 CY Motor Scraper-Hauler With Full-Time Operator	1,828.01	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0288	WK		18 CY Motor Scraper-Hauler With Full-Time Operator	7,911.79	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0289	MO		18 CY Motor Scraper-Hauler With Full-Time Operator	27,664.80	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0290	DAY		24 CY Motor Scraper-Hauler With Full-Time Operator	2,169.52	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0291	WK		24 CY Motor Scraper-Hauler With Full-Time Operator	9,271.86	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0292	MO		24 CY Motor Scraper-Hauler With Full-Time Operator	31,739.02	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0293 Hydraulic Excavators <small>(01 22 23 00-0238)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0294	DAY		3/8 CY Hydraulic Excavator With Full-Time Operator	843.21	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0295	WK		3/8 CY Hydraulic Excavator With Full-Time Operator	3,957.37	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0296	MO		3/8 CY Hydraulic Excavator With Full-Time Operator	15,796.46	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0297	DAY		1/2 CY Hydraulic Excavator With Full-Time Operator	929.43	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0298	WK		1/2 CY Hydraulic Excavator With Full-Time Operator	4,287.05	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0299	MO		1/2 CY Hydraulic Excavator With Full-Time Operator	16,400.03	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0300	DAY		5/8 CY Hydraulic Excavator With Full-Time Operator	1,020.73	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0301	WK		5/8 CY Hydraulic Excavator With Full-Time Operator	4,672.52	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0302	MO		5/8 CY Hydraulic Excavator With Full-Time Operator	17,946.99	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0303	DAY		3/4 CY Hydraulic Excavator With Full-Time Operator	985.22	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0304	WK		3/4 CY Hydraulic Excavator With Full-Time Operator	4,540.65	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0305	MO		3/4 CY Hydraulic Excavator With Full-Time Operator	17,541.23	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0306	DAY		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,020.73	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0307	WK		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	4,672.52	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0308	MO		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	18,200.59	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0309	DAY		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,294.61	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0310	WK		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	5,763.00	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0311	MO		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	21,218.43	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0312	DAY		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,335.19	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0313	WK		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	5,940.52	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0314	MO		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	21,750.99	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0315	DAY		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,411.27	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0316	WK		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	6,244.84	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0317	MO		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	22,663.95	
			<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0318	DAY		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,497.49	
			<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0319	WK		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	6,584.66	
			<i>For Equipment Without Operator, Deduct</i>	-2,998.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0320 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	23,678.35 -12,925.71	
01 22 23 00-0321 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,522.85 -599.75	
01 22 23 00-0322 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,686.10 -2,998.76	
01 22 23 00-0323 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	23,982.67 -12,925.71	
01 22 23 00-0324 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,766.31 -599.75	
01 22 23 00-0325 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,665.00 -2,998.76	
01 22 23 00-0326 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	26,924.43 -12,925.71	
01 22 23 00-0327 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,116.28 -599.75	
01 22 23 00-0328 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	9,054.73 -2,998.76	
01 22 23 00-0329 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	31,083.47 -12,925.71	
01 22 23 00-0330 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	71.01	
01 22 23 00-0331 WK Thumbs Or Grapple Attachment For Hydraulic Excavators	273.89	
01 22 23 00-0332 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	811.52	
01 22 23 00-0333 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	314.46	
01 22 23 00-0334 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	831.81	
01 22 23 00-0335 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,328.05	
01 22 23 00-0336 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	486.91	
01 22 23 00-0337 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,242.64	
01 22 23 00-0338 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,230.86	
01 22 23 00-0339 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	679.65	
01 22 23 00-0340 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,830.99	
01 22 23 00-0341 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	5,132.86	
01 22 23 00-0342 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	142.02	
01 22 23 00-0343 WK 24" Compaction Wheel Attachment For Hydraulic Excavators	568.06	
01 22 23 00-0344 MO 24" Compaction Wheel Attachment For Hydraulic Excavators	1,704.19	
01 22 23 00-0345 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	202.88	
01 22 23 00-0346 WK 36" Compaction Wheel Attachment For Hydraulic Excavators	811.52	
01 22 23 00-0347 MO 36" Compaction Wheel Attachment For Hydraulic Excavators	2,434.56	
01 22 23 00-0348 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	223.17	
01 22 23 00-0349 WK 48" Compaction Wheel Attachment For Hydraulic Excavators	882.53	
01 22 23 00-0350 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	2,637.44	
01 22 23 00-0351 Mini-Excavators <small>(01 22 23 00-0238)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0352 DAY 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)..... <i>For Equipment Without Operator, Deduct</i>	812.77 -599.75	
01 22 23 00-0353 WK 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)..... <i>For Equipment Without Operator, Deduct</i>	3,602.33 -2,998.76	
01 22 23 00-0354 MO 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)..... <i>For Equipment Without Operator, Deduct</i>	14,254.57 -12,925.71	
01 22 23 00-0355 DAY 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)..... <i>For Equipment Without Operator, Deduct</i>	817.85 -599.75	
01 22 23 00-0356 WK 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)..... <i>For Equipment Without Operator, Deduct</i>	3,617.54 -2,998.76	
01 22 23 00-0357 MO 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)..... <i>For Equipment Without Operator, Deduct</i>	14,574.11 -12,925.71	
01 22 23 00-0358 DAY 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)..... <i>For Equipment Without Operator, Deduct</i>	843.21 -599.75	
01 22 23 00-0359 WK 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)..... <i>For Equipment Without Operator, Deduct</i>	3,688.55 -2,998.76	
01 22 23 00-0360 MO 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)..... <i>For Equipment Without Operator, Deduct</i>	14,619.76 -12,925.71	
01 22 23 00-0361 DAY 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)..... <i>For Equipment Without Operator, Deduct</i>	853.35 -599.75	
01 22 23 00-0362 WK 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)..... <i>For Equipment Without Operator, Deduct</i>	3,724.06 -2,998.76	
01 22 23 00-0363 MO 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)..... <i>For Equipment Without Operator, Deduct</i>	14,640.05 -12,925.71	
01 22 23 00-0364 DAY 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)..... <i>For Equipment Without Operator, Deduct</i>	914.21 -599.75	
01 22 23 00-0365 WK 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)..... <i>For Equipment Without Operator, Deduct</i>	3,774.78 -2,998.76	
01 22 23 00-0366 MO 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)..... <i>For Equipment Without Operator, Deduct</i>	15,228.40 -12,925.71	
01 22 23 00-0367 DAY 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)..... <i>For Equipment Without Operator, Deduct</i>	919.29 -599.75	
01 22 23 00-0368 WK 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)..... <i>For Equipment Without Operator, Deduct</i>	4,028.38 -2,998.76	
01 22 23 00-0369 MO 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)..... <i>For Equipment Without Operator, Deduct</i>	15,253.76 -12,925.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0370	Road Graders <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0371	DAY 60 HP Road Grader With Full-Time Operator	1,095.13	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0372	WK 60 HP Road Grader With Full-Time Operator	4,338.82	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0373	MO 60 HP Road Grader With Full-Time Operator	16,933.18	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0374	DAY 80 HP Road Grader With Full-Time Operator	1,241.20	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0375	WK 80 HP Road Grader With Full-Time Operator	4,745.28	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0376	MO 80 HP Road Grader With Full-Time Operator	18,165.28	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0377	DAY 130 HP Road Grader With Full-Time Operator	1,342.70	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0378	WK 130 HP Road Grader With Full-Time Operator	5,197.64	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0379	MO 130 HP Road Grader With Full-Time Operator	19,516.36	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	

01 22 23 00-0380	Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0381	DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,094.85	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0382	WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,174.61	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0383	MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	15,692.94	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0384	DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,147.89	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0385	WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,360.27	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0386	MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	16,824.59	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0387	DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,229.67	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0388	WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,563.62	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0389	MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	17,408.10	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0390	DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,594.36	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0391	WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	5,651.06	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0392	MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	20,520.13	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	

01 22 23 00-0393	Heavy Duty Construction Loaders <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0394	DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,087.15	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0395	WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	4,925.87	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0396	MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	18,699.55	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0397	DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,492.07	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0398	WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	5,368.29	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0399	MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	18,924.51	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0400	DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,582.05	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0401	WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	5,608.24	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0402	MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	19,524.39	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0403	DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,829.50	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0404	WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	11,247.11	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0405	MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	21,174.06	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0406	DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,466.88	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0407	WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,452.27	
	<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0408	MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	35,271.24	
	<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0409	DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,665.96	
	<i>For Equipment Without Operator, Deduct</i>	-599.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0410 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,697.11 -2,998.76	
01 22 23 00-0411 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	66,609.05 -12,925.71	
01 22 23 00-0412 Shoring <small>(01 22 23 00-0238)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0413 Aluminum Hydraulic Shoring <small>(01 22 23 00-0412)</small> Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0414 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	30.17	
01 22 23 00-0415 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	88.99	
01 22 23 00-0416 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	40.47	
01 22 23 00-0417 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	119.38	
01 22 23 00-0418 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	75.05	
01 22 23 00-0419 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	221.40	
01 22 23 00-0420 EA Set-up And Remove Aluminum Hydraulic Shores, 1 Cylinder	20.78	
01 22 23 00-0421 EA Set-up And Remove Aluminum Hydraulic Shores, 2 Cylinders	33.25	
01 22 23 00-0422 EA Set-up And Remove Aluminum Hydraulic Shores, 3 Cylinders	55.41	
01 22 23 00-0423 Trench Boxes/Trench Shields <small>(01 22 23 00-0238)</small> Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0424 WK 4' x 6' Trench Box With Up To 48" Spreaders	162.38	
01 22 23 00-0425 MO 4' x 6' Trench Box With Up To 48" Spreaders	487.13	
01 22 23 00-0426 WK 6' x 6' Trench Box With Up To 48" Spreaders	183.33	
01 22 23 00-0427 MO 6' x 6' Trench Box With Up To 48" Spreaders	549.99	
01 22 23 00-0428 WK 8' x 6' Trench Box With Up To 48" Spreaders	193.81	
01 22 23 00-0429 MO 8' x 6' Trench Box With Up To 48" Spreaders	581.42	
01 22 23 00-0430 WK 4' x 8' Trench Box With Up To 48" Spreaders	178.09	
01 22 23 00-0431 MO 4' x 8' Trench Box With Up To 48" Spreaders	534.28	
01 22 23 00-0432 WK 6' x 8' Trench Box With Up To 48" Spreaders	209.52	
01 22 23 00-0433 MO 6' x 8' Trench Box With Up To 48" Spreaders	628.56	
01 22 23 00-0434 WK 8' x 8' Trench Box With Up To 48" Spreaders	235.71	
01 22 23 00-0435 MO 8' x 8' Trench Box With Up To 48" Spreaders	707.13	
01 22 23 00-0436 WK 4' x 10' Trench Box With Up To 48" Spreaders	199.04	
01 22 23 00-0437 MO 4' x 10' Trench Box With Up To 48" Spreaders	597.13	
01 22 23 00-0438 WK 6' x 10' Trench Box With Up To 48" Spreaders	235.71	
01 22 23 00-0439 MO 6' x 10' Trench Box With Up To 48" Spreaders	707.13	
01 22 23 00-0440 WK 8' x 10' Trench Box With Up To 48" Spreaders	288.09	
01 22 23 00-0441 MO 8' x 10' Trench Box With Up To 48" Spreaders	859.03	
01 22 23 00-0442 WK 4' x 12' Trench Box With Up To 48" Spreaders	235.71	
01 22 23 00-0443 MO 4' x 12' Trench Box With Up To 48" Spreaders	707.13	
01 22 23 00-0444 WK 6' x 12' Trench Box With Up To 48" Spreaders	288.09	
01 22 23 00-0445 MO 6' x 12' Trench Box With Up To 48" Spreaders	864.27	
01 22 23 00-0446 WK 8' x 12' Trench Box With Up To 48" Spreaders	366.66	
01 22 23 00-0447 MO 8' x 12' Trench Box With Up To 48" Spreaders	1,099.98	
01 22 23 00-0448 WK 4' x 14' Trench Box With Up To 48" Spreaders	261.90	
01 22 23 00-0449 MO 4' x 14' Trench Box With Up To 48" Spreaders	785.70	
01 22 23 00-0450 WK 6' x 14' Trench Box With Up To 48" Spreaders	340.47	
01 22 23 00-0451 MO 6' x 14' Trench Box With Up To 48" Spreaders	1,021.41	
01 22 23 00-0452 WK 8' x 14' Trench Box With Up To 48" Spreaders	419.04	
01 22 23 00-0453 MO 8' x 14' Trench Box With Up To 48" Spreaders	1,257.12	
01 22 23 00-0454 WK 4' x 16' Trench Box With Up To 48" Spreaders	288.09	
01 22 23 00-0455 MO 4' x 16' Trench Box With Up To 48" Spreaders	864.27	
01 22 23 00-0456 WK 6' x 16' Trench Box With Up To 48" Spreaders	392.85	
01 22 23 00-0457 MO 6' x 16' Trench Box With Up To 48" Spreaders	1,178.55	
01 22 23 00-0458 WK 8' x 16' Trench Box With Up To 48" Spreaders	471.42	
01 22 23 00-0459 MO 8' x 16' Trench Box With Up To 48" Spreaders	1,414.26	
01 22 23 00-0460 WK 4' x 20' Trench Box With Up To 48" Spreaders	340.47	
01 22 23 00-0461 MO 4' x 20' Trench Box With Up To 48" Spreaders	1,021.41	
01 22 23 00-0462 WK 6' x 20' Trench Box With Up To 48" Spreaders	471.42	
01 22 23 00-0463 MO 6' x 20' Trench Box With Up To 48" Spreaders	1,414.26	
01 22 23 00-0464 WK 8' x 20' Trench Box With Up To 48" Spreaders	549.99	
01 22 23 00-0465 MO 8' x 20' Trench Box With Up To 48" Spreaders	1,649.97	
01 22 23 00-0466 WK 4' x 24' Trench Box With Up To 48" Spreaders	471.42	
01 22 23 00-0467 MO 4' x 24' Trench Box With Up To 48" Spreaders	1,414.26	
01 22 23 00-0468 WK 6' x 24' Trench Box With Up To 48" Spreaders	576.18	
01 22 23 00-0469 MO 6' x 24' Trench Box With Up To 48" Spreaders	1,728.54	
01 22 23 00-0470 WK 8' x 24' Trench Box With Up To 48" Spreaders	628.56	
01 22 23 00-0471 MO 8' x 24' Trench Box With Up To 48" Spreaders	1,885.68	
01 22 23 00-0472 WK For Spreaders >48" To 84", Add.	15.71	
01 22 23 00-0473 MO For Spreaders >48" To 84", Add.	47.14	
01 22 23 00-0474 WK For Spreaders >84" To 120", Add.	94.28	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0475	MO	For Spreaders >84" To 120", Add.....	282.85
01 22 23 00-0476	WK	For Spreaders >120", Add.....	199.04
01 22 23 00-0477	MO	For Spreaders >120", Add.....	597.13
01 22 23 00-0478	WK	8' x 4' Manhole Box.....	247.50
01 22 23 00-0479	MO	8' x 4' Manhole Box.....	742.49
01 22 23 00-0480	WK	8' x 8' Manhole Box.....	353.57
01 22 23 00-0481	MO	8' x 8' Manhole Box.....	1,060.70

01 22 23 00-0482 Trenchers (01 22 23 00-0238)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0483	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	951.64
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0484	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	4,197.38
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0485	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	16,224.66
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71
01 22 23 00-0486	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,545.45
		<i>For Equipment Without Operator, Deduct</i>	-599.75
01 22 23 00-0487	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	6,198.74
		<i>For Equipment Without Operator, Deduct</i>	-2,998.76
01 22 23 00-0488	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	21,722.91
		<i>For Equipment Without Operator, Deduct</i>	-12,925.71

01 22 23 00-0489 Heavy Equipment Mats (01 22 23 00-0238)

Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0490	Day	14' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	20.00
01 22 23 00-0491	WK	14' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	47.62
01 22 23 00-0492	MO	14' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	100.00
01 22 23 00-0493	Day	16' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	21.00
01 22 23 00-0494	WK	16' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	50.00
01 22 23 00-0495	MO	16' Width x 8' Length, 3-Ply Laminated Heavy Equipment Mat.....	105.00
01 22 23 00-0496	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	17.00
01 22 23 00-0497	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	40.00
01 22 23 00-0498	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	85.00
01 22 23 00-0499	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	19.00
01 22 23 00-0500	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	45.00
01 22 23 00-0501	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	95.00
01 22 23 00-0502	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	21.00
01 22 23 00-0503	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	50.00
01 22 23 00-0504	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	105.00
01 22 23 00-0505	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	23.00
01 22 23 00-0506	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	54.76
01 22 23 00-0507	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	115.00
01 22 23 00-0508	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	18.00
01 22 23 00-0509	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00
01 22 23 00-0510	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	90.00
01 22 23 00-0511	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	21.00
01 22 23 00-0512	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00
01 22 23 00-0513	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	105.00
01 22 23 00-0514	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.00
01 22 23 00-0515	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	55.00
01 22 23 00-0516	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	125.00
01 22 23 00-0517	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	27.00
01 22 23 00-0518	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	64.29
01 22 23 00-0519	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	135.00
01 22 23 00-0520	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	29.00
01 22 23 00-0521	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	69.05
01 22 23 00-0522	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	145.00
01 22 23 00-0523	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.00
01 22 23 00-0524	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.43
01 22 23 00-0525	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	150.00
01 22 23 00-0526	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	9.62
01 22 23 00-0527	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.05
01 22 23 00-0528	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	72.15
01 22 23 00-0529	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	11.50
01 22 23 00-0530	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	28.75
01 22 23 00-0531	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	86.25
01 22 23 00-0532	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.13
01 22 23 00-0533	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	32.83
01 22 23 00-0534	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	98.50
01 22 23 00-0535	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.00
01 22 23 00-0536	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	35.00
01 22 23 00-0537	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	105.00
01 22 23 00-0538	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.00
01 22 23 00-0539	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	40.00
01 22 23 00-0540	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	120.00
01 22 23 00-0541	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	18.39
01 22 23 00-0542	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	45.97
01 22 23 00-0543	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	137.90



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0544	Day		24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.15	
	01 22 23 00-0545	WK		24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	35.37	
	01 22 23 00-0546	MO		24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	106.10	
	01 22 23 00-0547	Day		30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.15	
	01 22 23 00-0548	WK		30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	47.88	
	01 22 23 00-0549	MO		30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	143.65	
	01 22 23 00-0550	Day		24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.56	
	01 22 23 00-0551	WK		24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	41.40	
	01 22 23 00-0552	MO		24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	124.20	
	01 22 23 00-0553	Day		40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	27.62	
	01 22 23 00-0554	WK		40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	69.05	
	01 22 23 00-0555	MO		40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	207.14	
	01 22 23 00-0556	Day		40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	29.44	
	01 22 23 00-0557	WK		40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	73.60	
	01 22 23 00-0558	MO		40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	220.80	
	01 22 23 00-0559			Electrical Equipment (01 22 23)		
	01 22 23 00-0560			Tripod Mounted Floodlights (01 22 23 00-0559)		
				Note: Includes delivery to job site and pick-up when complete.		
	01 22 23 00-0561	DAY		500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	58.52	
	01 22 23 00-0562	WK		500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	138.44	
	01 22 23 00-0563	MO		500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	292.58	
	01 22 23 00-0564	DAY		1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	58.52	
	01 22 23 00-0565	WK		1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	171.26	
	01 22 23 00-0566	MO		1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	506.66	
	01 22 23 00-0567	DAY		2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	65.65	
	01 22 23 00-0568	WK		2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	178.40	
	01 22 23 00-0569	MO		2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	435.30	
	01 22 23 00-0570			Trailer Mounted Floodlights (01 22 23 00-0559)		
				Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
	01 22 23 00-0571	DAY		4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	164.13	
	01 22 23 00-0572	WK		4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	363.94	
	01 22 23 00-0573	MO		4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	784.96	
	01 22 23 00-0574			Generator Sets (01 22 23 00-0559)		
	01 22 23 00-0575			Portable, Gas Or Diesel Powered Generator Sets (01 22 23 00-0574)		
				Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0658 for reimbursable fuel fees.		
	01 22 23 00-0576	DAY		3.6 KW, 8 HP Gas Powered Generator Set.....	40.43	
				For LP Or NG Gas, Add	5.05	
	01 22 23 00-0577	WK		3.6 KW, 8 HP Gas Powered Generator Set.....	145.75	
				For LP Or NG Gas, Add	18.22	
	01 22 23 00-0578	MO		3.6 KW, 8 HP Gas Powered Generator Set.....	404.33	
				For LP Or NG Gas, Add	50.54	
	01 22 23 00-0579	DAY		5 KW, 11 HP Gas Powered Generator Set.....	57.36	
				For LP Or NG Gas, Add	7.17	
	01 22 23 00-0580	WK		5 KW, 11 HP Gas Powered Generator Set.....	183.36	
				For LP Or NG Gas, Add	22.92	
	01 22 23 00-0581	MO		5 KW, 11 HP Gas Powered Generator Set.....	418.43	
				For LP Or NG Gas, Add	52.30	
	01 22 23 00-0582	DAY		6.5 KW, 13 HP Gas Powered Generator Set.....	73.34	
				For LP Or NG Gas, Add	9.17	
	01 22 23 00-0583	WK		6.5 KW, 13 HP Gas Powered Generator Set.....	197.46	
				For LP Or NG Gas, Add	24.68	
	01 22 23 00-0584	MO		6.5 KW, 13 HP Gas Powered Generator Set.....	545.37	
				For LP Or NG Gas, Add	68.17	
	01 22 23 00-0585	DAY		10 KW, 18 HP Gas Powered Generator Set.....	81.81	
				For LP Or NG Gas, Add	10.23	
	01 22 23 00-0586	WK		10 KW, 18 HP Gas Powered Generator Set.....	220.97	
				For LP Or NG Gas, Add	27.62	
	01 22 23 00-0587	MO		10 KW, 18 HP Gas Powered Generator Set.....	634.70	
				For LP Or NG Gas, Add	79.34	
	01 22 23 00-0588			Towable, Diesel Powered Generator Sets (01 22 23 00-0574)		
				Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0658 for reimbursable fuel fees.		
	01 22 23 00-0589	DAY		20 KW, 60 Hertz Diesel Powered Generator Set.....	168.31	
				Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.		
	01 22 23 00-0590	WK		20 KW, 60 Hertz Diesel Powered Generator Set.....	440.06	
				Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0591 MO 20 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	1,198.88	
01 22 23 00-0592 DAY 40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	243.63	
01 22 23 00-0593 WK 40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	548.76	
01 22 23 00-0594 MO 40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	1,461.80	
01 22 23 00-0595 DAY 70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	319.04	
01 22 23 00-0596 WK 70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	715.43	
01 22 23 00-0597 MO 70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	1,986.77	
01 22 23 00-0598 DAY 100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	401.22	
01 22 23 00-0599 WK 100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	884.62	
01 22 23 00-0600 MO 100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	2,518.51	
01 22 23 00-0601 DAY 120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	413.31	
01 22 23 00-0602 WK 120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	952.30	
01 22 23 00-0603 MO 120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	2,934.24	
01 22 23 00-0604 DAY 150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	425.39	
01 22 23 00-0605 WK 150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	1,015.14	
01 22 23 00-0606 MO 150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	3,349.96	
01 22 23 00-0607 DAY 175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	466.00	
01 22 23 00-0608 WK 175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	1,059.61	
01 22 23 00-0609 MO 175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	3,349.96	
01 22 23 00-0610 DAY 250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	580.08	
01 22 23 00-0611 WK 250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	1,484.04	
01 22 23 00-0612 MO 250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	3,915.54	
01 22 23 00-0613 DAY 300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	657.42	
01 22 23 00-0614 WK 300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	1,595.22	
01 22 23 00-0615 MO 300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	4,350.60	
01 22 23 00-0616 DAY 350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	928.13	
01 22 23 00-0617 WK 350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	2,088.29	
01 22 23 00-0618 MO 350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	5,568.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0619 DAY 400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	990.97	
01 22 23 00-0620 WK 400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	2,397.66	
01 22 23 00-0621 MO 400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	7,009.30	
01 22 23 00-0622 DAY 500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	1,106.02	
01 22 23 00-0623 WK 500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	2,513.68	
01 22 23 00-0624 MO 500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	7,541.04	
01 22 23 00-0625 DAY 750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	1,546.88	
01 22 23 00-0626 WK 750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	3,867.20	
01 22 23 00-0627 MO 750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	11,601.60	
01 22 23 00-0628 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	695.38	
01 22 23 00-0629 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,100.72	
 01 22 23 00-0630 Cabling For Generator Sets (01 22 23 00-0574) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0631 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set	21.27	
01 22 23 00-0632 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set	37.22	
01 22 23 00-0633 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set	111.67	
01 22 23 00-0634 DAY 50', 4/0 Cable With Camlock Ends For Generator Set	10.63	
01 22 23 00-0635 WK 50', 4/0 Cable With Camlock Ends For Generator Set	30.94	
01 22 23 00-0636 MO 50', 4/0 Cable With Camlock Ends For Generator Set	86.05	
 01 22 23 00-0637 Resistive Loadbanks (01 22 23 00-0574) Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0658 for reimbursable fuel fees.		
01 22 23 00-0638 DAY 100 KW A/C Resistive Loadbank	368.93	
01 22 23 00-0639 WK 100 KW A/C Resistive Loadbank	910.55	
01 22 23 00-0640 MO 100 KW A/C Resistive Loadbank	2,723.81	
01 22 23 00-0641 DAY 650 KW A/C Resistive Loadbank	621.69	
01 22 23 00-0642 WK 650 KW A/C Resistive Loadbank	1,662.55	
01 22 23 00-0643 MO 650 KW A/C Resistive Loadbank	4,238.78	
 01 22 23 00-0644 Sub-Distribution Panels (Spider Box) (01 22 23 00-0574) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0645 DAY Sub-Distribution Panel (Spider Box)	52.21	
01 22 23 00-0646 WK Sub-Distribution Panel (Spider Box)	135.35	
01 22 23 00-0647 MO Sub-Distribution Panel (Spider Box)	381.89	
 01 22 23 00-0648 Portable Distribution Panels (01 22 23 00-0574) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0649 DAY 200 Amp Spider Box Feeder Panel	116.02	
01 22 23 00-0650 WK 200 Amp Spider Box Feeder Panel	314.21	
01 22 23 00-0651 MO 200 Amp Spider Box Feeder Panel	879.79	
01 22 23 00-0652 DAY 100 Amp Quad Box Panel	94.75	
01 22 23 00-0653 WK 100 Amp Quad Box Panel	246.53	
01 22 23 00-0654 MO 100 Amp Quad Box Panel	700.93	
01 22 23 00-0655 DAY 200 Amp Quad Box Panel	120.85	
01 22 23 00-0656 WK 200 Amp Quad Box Panel	304.54	
01 22 23 00-0657 MO 200 Amp Quad Box Panel	826.61	
 01 22 23 00-0658 Fuel Reimbursement For Generators (01 22 23 00-0574)		
01 22 23 00-0659 EA Fuel Reimbursement For Generators	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
 01 22 23 00-0660 Space Heaters (01 22 23 00-0559) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0661 DAY 150,000 BTU/Hour Space Heater	46.52	
01 22 23 00-0662 WK 150,000 BTU/Hour Space Heater	133.74	
01 22 23 00-0663 MO 150,000 BTU/Hour Space Heater	377.98	
01 22 23 00-0664 DAY 500,000 BTU/Hour Space Heater	98.86	
01 22 23 00-0665 WK 500,000 BTU/Hour Space Heater	244.23	
01 22 23 00-0666 MO 500,000 BTU/Hour Space Heater	617.55	
01 22 23 00-0667 General Equipment (01 22 23)		
01 22 23 00-0668 Jacks And Bracing (01 22 23 00-0667)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0669 Manual Hydraulic Jacks (01 22 23 00-0668)		
01 22 23 00-0670 DAY 12 Ton Manual Hydraulic Bottle Jack.....	14.19	
01 22 23 00-0671 WK 12 Ton Manual Hydraulic Bottle Jack.....	36.90	
01 22 23 00-0672 MO 12 Ton Manual Hydraulic Bottle Jack.....	65.28	
01 22 23 00-0673 DAY 20 Ton Manual Hydraulic Bottle Jack.....	28.38	
01 22 23 00-0674 WK 20 Ton Manual Hydraulic Bottle Jack.....	79.48	
01 22 23 00-0675 MO 20 Ton Manual Hydraulic Bottle Jack.....	156.11	
01 22 23 00-0676 DAY 50 Ton Manual Hydraulic Bottle Jack.....	44.00	
01 22 23 00-0677 WK 50 Ton Manual Hydraulic Bottle Jack.....	109.28	
01 22 23 00-0678 MO 50 Ton Manual Hydraulic Bottle Jack.....	184.50	
01 22 23 00-0679 DAY 100 Ton Manual Hydraulic Bottle Jack.....	116.37	
01 22 23 00-0680 WK 100 Ton Manual Hydraulic Bottle Jack.....	279.58	
01 22 23 00-0681 MO 100 Ton Manual Hydraulic Bottle Jack.....	465.50	
01 22 23 00-0682 Manual Screw Jacks (01 22 23 00-0668)		
01 22 23 00-0683 DAY 10 To 20 Ton Manual Screw Jack.....	13.24	
01 22 23 00-0684 WK 10 To 20 Ton Manual Screw Jack.....	35.64	
01 22 23 00-0685 MO 10 To 20 Ton Manual Screw Jack.....	98.77	
01 22 23 00-0686 Pressure Washers (01 22 23 00-0667)		
Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0687 DAY 2,000 PSI Pressure Washer With Full-Time Operator	662.79	
<i>For Equipment Without Operator, Deduct</i>		
	-529.37	
01 22 23 00-0688 WK 2,000 PSI Pressure Washer With Full-Time Operator	2,985.52	
<i>For Equipment Without Operator, Deduct</i>		
	-2,646.84	
01 22 23 00-0689 MO 2,000 PSI Pressure Washer With Full-Time Operator	12,270.90	
<i>For Equipment Without Operator, Deduct</i>		
	-11,408.81	
01 22 23 00-0690 DAY 2,500 PSI Pressure Washer With Full-Time Operator	662.79	
<i>For Equipment Without Operator, Deduct</i>		
	-529.37	
01 22 23 00-0691 WK 2,500 PSI Pressure Washer With Full-Time Operator	2,985.52	
<i>For Equipment Without Operator, Deduct</i>		
	-2,646.84	
01 22 23 00-0692 MO 2,500 PSI Pressure Washer With Full-Time Operator	12,270.90	
<i>For Equipment Without Operator, Deduct</i>		
	-11,408.81	
01 22 23 00-0693 DAY 3,000 PSI Pressure Washer With Full-Time Operator	662.79	
<i>For Equipment Without Operator, Deduct</i>		
	-529.37	
01 22 23 00-0694 WK 3,000 PSI Pressure Washer With Full-Time Operator	2,985.52	
<i>For Equipment Without Operator, Deduct</i>		
	-2,646.84	
01 22 23 00-0695 MO 3,000 PSI Pressure Washer With Full-Time Operator	12,270.90	
<i>For Equipment Without Operator, Deduct</i>		
	-11,408.81	
01 22 23 00-0696 DAY 3,500 PSI Pressure Washer With Full-Time Operator	673.05	
<i>For Equipment Without Operator, Deduct</i>		
	-529.37	
01 22 23 00-0697 WK 3,500 PSI Pressure Washer With Full-Time Operator	3,016.31	
<i>For Equipment Without Operator, Deduct</i>		
	-2,646.84	
01 22 23 00-0698 MO 3,500 PSI Pressure Washer With Full-Time Operator	12,353.01	
<i>For Equipment Without Operator, Deduct</i>		
	-11,408.81	
01 22 23 00-0699 DAY 4,000 PSI Pressure Washer With Full-Time Operator	734.63	
<i>For Equipment Without Operator, Deduct</i>		
	-529.37	
01 22 23 00-0700 WK 4,000 PSI Pressure Washer With Full-Time Operator	3,201.04	
<i>For Equipment Without Operator, Deduct</i>		
	-2,646.84	
01 22 23 00-0701 MO 4,000 PSI Pressure Washer With Full-Time Operator	12,968.79	
<i>For Equipment Without Operator, Deduct</i>		
	-11,408.81	
01 22 23 00-0702 DAY 5,000 PSI Pressure Washer With Full-Time Operator	734.63	
<i>For Equipment Without Operator, Deduct</i>		
	-529.37	
01 22 23 00-0703 WK 5,000 PSI Pressure Washer With Full-Time Operator	3,201.04	
<i>For Equipment Without Operator, Deduct</i>		
	-2,646.84	
01 22 23 00-0704 MO 5,000 PSI Pressure Washer With Full-Time Operator	12,968.79	
<i>For Equipment Without Operator, Deduct</i>		
	-11,408.81	
01 22 23 00-0705 Confined Space Entry Equipment (01 22 23 00-0667)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-0706 DAY Ventilation Equipment For Confined Space	47.47	
01 22 23 00-0707 WK Ventilation Equipment For Confined Space	142.42	
01 22 23 00-0708 MO Ventilation Equipment For Confined Space	424.99	
01 22 23 00-0709 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	30.97	
01 22 23 00-0710 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	92.90	
01 22 23 00-0711 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	278.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0712 DAY Confined Space Air Monitor Personnel..... Note: Per person day.	562.88	
01 22 23 00-0713 Material Handling Equipment (01 22 23)		
01 22 23 00-0714 Truck Mounted Hydraulic Cranes (01 22 23 00-0713) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0715 DAY 6 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,000.13 -599.75	
01 22 23 00-0716 WK 6 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,211.69 -2,998.76	
01 22 23 00-0717 MO 6 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	16,576.27 -12,925.71	
01 22 23 00-0718 DAY 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,106.12 -599.75	
01 22 23 00-0719 WK 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,526.70 -2,998.76	
01 22 23 00-0720 MO 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	17,518.35 -12,925.71	
01 22 23 00-0721 DAY 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,726.10 -599.75	
01 22 23 00-0722 WK 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,841.70 -2,998.76	
01 22 23 00-0723 MO 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	18,460.43 -12,925.71	
01 22 23 00-0724 DAY 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,353.41 -599.75	
01 22 23 00-0725 WK 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,265.64 -2,998.76	
01 22 23 00-0726 MO 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,726.35 -12,925.71	
01 22 23 00-0727 DAY 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,482.95 -599.75	
01 22 23 00-0728 WK 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,142.95 -2,998.76	
01 22 23 00-0729 MO 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	22,355.93 -12,925.71	
01 22 23 00-0730 DAY 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,789.13 -599.75	
01 22 23 00-0731 WK 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,238.12 -2,998.76	
01 22 23 00-0732 MO 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	25,643.79 -12,925.71	
01 22 23 00-0733 DAY 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,983.43 -599.75	
01 22 23 00-0734 WK 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,921.13 -2,998.76	
01 22 23 00-0735 MO 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	27,697.52 -12,925.71	
01 22 23 00-0736 DAY 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,136.52 -599.75	
01 22 23 00-0737 WK 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,474.60 -2,998.76	
01 22 23 00-0738 MO 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	29,355.59 -12,925.71	
01 22 23 00-0739 DAY 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,289.61 -599.75	
01 22 23 00-0740 WK 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	9,028.07 -2,998.76	
01 22 23 00-0741 MO 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	31,013.65 -12,925.71	
01 22 23 00-0742 DAY 90 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,389.70 -599.75	
01 22 23 00-0743 WK 90 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	9,369.58 -2,998.76	
01 22 23 00-0744 MO 90 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	32,049.93 -12,925.71	
01 22 23 00-0745 DAY 100 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,525.13 -599.75	
01 22 23 00-0746 WK 100 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	9,875.94 -2,998.76	
01 22 23 00-0747 MO 100 Ton Lift Hydraulic Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	33,557.26 -12,925.71	
01 22 23 00-0748 Cranes, Mechanical, Cable Controlled Lattice Boom, Truck Mounted (01 22 23 00-0713) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0749 DAY 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,012.87 -599.75	
01 22 23 00-0750 WK 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,038.89 -2,998.76	
01 22 23 00-0751 MO 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	28,046.09 -12,925.71	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0752 DAY 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator.....	3,102.15	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0753 WK 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator.....	9,852.39	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0754 MO 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator.....	33,486.61	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0755 DAY 125 Ton Lift Mechanical Crane With Full-Time Operator.....	3,278.79	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0756 WK 125 Ton Lift Mechanical Crane With Full-Time Operator.....	11,141.86	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0757 MO 125 Ton Lift Mechanical Crane With Full-Time Operator.....	37,353.84	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0758 DAY 150 Ton Lift Mechanical Crane With Full-Time Operator.....	3,632.07	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0759 WK 150 Ton Lift Mechanical Crane With Full-Time Operator.....	12,431.34	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0760 MO 150 Ton Lift Mechanical Crane With Full-Time Operator.....	41,216.37	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0761 DAY 250 Ton Lift Mechanical Crane With Full-Time Operator.....	3,967.69	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0762 WK 250 Ton Lift Mechanical Crane With Full-Time Operator.....	15,010.28	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0763 MO 250 Ton Lift Mechanical Crane With Full-Time Operator.....	48,960.27	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0764 DAY 300 Ton Lift Mechanical Crane With Full-Time Operator.....	4,521.16	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0765 WK 300 Ton Lift Mechanical Crane With Full-Time Operator.....	16,994.54	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0766 MO 300 Ton Lift Mechanical Crane With Full-Time Operator.....	54,904.79	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0767 DAY 500 Ton Lift Mechanical Crane With Full-Time Operator.....	7,924.42	
<i>For Equipment Without Operator, Deduct</i>	-599.75	
01 22 23 00-0768 WK 500 Ton Lift Mechanical Crane With Full-Time Operator.....	29,123.82	
<i>For Equipment Without Operator, Deduct</i>	-2,998.76	
01 22 23 00-0769 MO 500 Ton Lift Mechanical Crane With Full-Time Operator.....	91,306.77	
<i>For Equipment Without Operator, Deduct</i>	-12,925.71	
01 22 23 00-0770 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0713)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0771 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	996.65	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
01 22 23 00-0772 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	3,876.01	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
01 22 23 00-0773 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	14,414.07	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
01 22 23 00-0774 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,042.31	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
01 22 23 00-0775 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	3,978.74	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
01 22 23 00-0776 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	14,642.37	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
01 22 23 00-0777 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,030.90	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
01 22 23 00-0778 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,030.11	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
01 22 23 00-0779 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	14,984.82	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
01 22 23 00-0780 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,162.17	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
01 22 23 00-0781 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,372.56	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
01 22 23 00-0782 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,783.87	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
01 22 23 00-0783 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0713)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0784 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	844.83	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	56.39	
01 22 23 00-0785 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,584.35	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	153.99	
01 22 23 00-0786 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	13,893.26	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	352.44	
01 22 23 00-0787 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	859.67	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	59.36	
01 22 23 00-0788 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,624.87	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	162.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0789 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	13,986.01	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	370.99	
01 22 23 00-0790 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	939.58	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	75.34	
01 22 23 00-0791 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,847.47	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	206.61	
01 22 23 00-0792 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,499.68	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	473.72	
01 22 23 00-0793 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	983.58	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	84.14	
01 22 23 00-0794 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,828.40	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	202.80	
01 22 23 00-0795 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,655.27	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	504.84	
01 22 23 00-0796 Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0713)</small>		
<small>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</small>		
01 22 23 00-0797 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	802.60	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	47.94	
01 22 23 00-0798 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,362.33	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	109.58	
01 22 23 00-0799 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	13,443.79	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	262.54	
01 22 23 00-0800 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	808.30	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	49.08	
01 22 23 00-0801 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,379.45	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	113.01	
01 22 23 00-0802 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	13,483.75	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	270.54	
01 22 23 00-0803 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	928.16	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	73.06	
01 22 23 00-0804 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,642.00	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	165.52	
01 22 23 00-0805 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	14,128.69	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	399.52	
01 22 23 00-0806 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	939.58	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	75.34	
01 22 23 00-0807 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,739.03	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	184.92	
01 22 23 00-0808 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	14,471.15	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	468.02	
01 22 23 00-0809 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,042.31	
<i>For Equipment Without Operator, Deduct</i>	-562.88	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	95.89	
01 22 23 00-0810 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,904.54	
<i>For Equipment Without Operator, Deduct</i>	-2,814.41	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	218.03	
01 22 23 00-0811 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	14,756.52	
<i>For Equipment Without Operator, Deduct</i>	-12,131.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	525.09	
01 22 23 00-0812 Chain Hoists <small>(01 22 23 00-0713)</small>		
<small>Note: Includes delivery to job site and pick-up when complete.</small>		
01 22 23 00-0813 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	14.19	
01 22 23 00-0814 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	38.32	
01 22 23 00-0815 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	96.51	
01 22 23 00-0816 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	31.22	
01 22 23 00-0817 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	75.22	
01 22 23 00-0818 MO 3 Ton, 20' Lift, Manual Chain Hoist.....	187.33	
01 22 23 00-0819 DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	45.41	
01 22 23 00-0820 WK 5 Ton, 20' Lift, Manual Chain Hoist.....	109.28	
01 22 23 00-0821 MO 5 Ton, 20' Lift, Manual Chain Hoist.....	272.49	
01 22 23 00-0822 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.83	
01 22 23 00-0823 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	218.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0824	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	544.97	
01 22 23 00-0825	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	102.18	
01 22 23 00-0826	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	246.94	
01 22 23 00-0827	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	613.09	
01 22 23 00-0828	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	127.73	
01 22 23 00-0829	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	307.97	
01 22 23 00-0830	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	766.37	
01 22 23 00-0831			Pumping Equipment (01 22 23)		
01 22 23 00-0832			Gas Powered Portable Centrifugal Pumps (01 22 23 00-0831)		
			Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0856 for larger diameter pumps.		
01 22 23 00-0833	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	80.09	
01 22 23 00-0834	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	180.21	
01 22 23 00-0835	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	480.55	
01 22 23 00-0836	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	96.11	
01 22 23 00-0837	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	216.25	
01 22 23 00-0838	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	576.66	
01 22 23 00-0839			Gas Powered Portable Diaphragm Pumps (01 22 23 00-0831)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0840	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	92.11	
01 22 23 00-0841	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	260.30	
01 22 23 00-0842	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	660.76	
01 22 23 00-0843	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	112.13	
01 22 23 00-0844	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	300.34	
01 22 23 00-0845	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	850.98	
01 22 23 00-0846			Gas Powered Portable Trash Pumps (01 22 23 00-0831)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0847	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	116.13	
01 22 23 00-0848	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	240.28	
01 22 23 00-0849	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	720.83	
01 22 23 00-0850	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	116.13	
01 22 23 00-0851	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	310.36	
01 22 23 00-0852	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	850.98	
01 22 23 00-0853	DAY		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	184.21	
01 22 23 00-0854	WK		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	520.60	
01 22 23 00-0855	MO		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,511.74	
01 22 23 00-0856			Diesel Powered Portable Trash Pumps (01 22 23 00-0831)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0857	DAY		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	360.41	
01 22 23 00-0858	WK		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	981.13	
01 22 23 00-0859	MO		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	4,274.91	
01 22 23 00-0860	DAY		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	550.63	
01 22 23 00-0861	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	1,441.66	
01 22 23 00-0862	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	3,834.40	
01 22 23 00-0863	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	748.86	
01 22 23 00-0864	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	2,004.30	
01 22 23 00-0865	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	5,362.16	
01 22 23 00-0866	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	969.11	
01 22 23 00-0867	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	2,474.84	
01 22 23 00-0868	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	7,268.35	
01 22 23 00-0869			Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0831)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0870	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	514.59	
01 22 23 00-0871	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,171.35	
01 22 23 00-0872	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,652.20	
01 22 23 00-0873	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	630.72	
01 22 23 00-0874	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,571.81	
01 22 23 00-0875	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	4,274.91	
01 22 23 00-0876	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	760.87	
01 22 23 00-0877	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,250.59	
01 22 23 00-0878	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	6,277.21	
01 22 23 00-0879	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,145.32	
01 22 23 00-0880	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,925.36	
01 22 23 00-0881	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	8,589.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0882				3 Phase Electric Submersible Pumps (01 22 23 00-0831) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0883	DAY			24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	200.23	
01 22 23 00-0884	WK			24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	500.58	
01 22 23 00-0885	MO			24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,501.72	
01 22 23 00-0886	DAY			49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	264.30	
01 22 23 00-0887	WK			49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	660.76	
01 22 23 00-0888	MO			49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,982.28	
01 22 23 00-0889				Hydraulic Submersible Pumps (01 22 23 00-0831) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0890	DAY			60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	132.15	
01 22 23 00-0891	WK			60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	354.41	
01 22 23 00-0892	MO			60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	991.14	
01 22 23 00-0893	DAY			132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	168.19	
01 22 23 00-0894	WK			132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	432.50	
01 22 23 00-0895	MO			132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,321.52	
01 22 23 00-0896				Suction Hose With Couplings (01 22 23 00-0831) Note: Includes delivery, set-up, and removal.		
01 22 23 00-0897	DAY			1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	13.82	
01 22 23 00-0898	WK			1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	34.54	
01 22 23 00-0899	MO			1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	85.20	
01 22 23 00-0900	DAY			2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.12	
01 22 23 00-0901	WK			2" Inside Diameter, 20' Length, Suction Hose With Couplings	36.84	
01 22 23 00-0902	MO			2" Inside Diameter, 20' Length, Suction Hose With Couplings	89.80	
01 22 23 00-0903	DAY			3" Inside Diameter, 20' Length, Suction Hose With Couplings	34.54	
01 22 23 00-0904	WK			3" Inside Diameter, 20' Length, Suction Hose With Couplings	75.99	
01 22 23 00-0905	MO			3" Inside Diameter, 20' Length, Suction Hose With Couplings	204.94	
01 22 23 00-0906	DAY			4" Inside Diameter, 20' Length, Suction Hose With Couplings	43.75	
01 22 23 00-0907	WK			4" Inside Diameter, 20' Length, Suction Hose With Couplings	99.01	
01 22 23 00-0908	MO			4" Inside Diameter, 20' Length, Suction Hose With Couplings	264.80	
01 22 23 00-0909	DAY			6" Inside Diameter, 20' Length, Suction Hose With Couplings	57.57	
01 22 23 00-0910	WK			6" Inside Diameter, 20' Length, Suction Hose With Couplings	133.55	
01 22 23 00-0911	MO			6" Inside Diameter, 20' Length, Suction Hose With Couplings	301.65	
01 22 23 00-0912				Discharge Hose With Couplings (01 22 23 00-0831) Note: Includes delivery, set-up, and removal.		
01 22 23 00-0913	DAY			1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.02	
01 22 23 00-0914	WK			1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	42.05	
01 22 23 00-0915	MO			1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	90.10	
01 22 23 00-0916	DAY			2" Inside Diameter, 50' Length, Discharge Hose With Couplings	32.04	
01 22 23 00-0917	WK			2" Inside Diameter, 50' Length, Discharge Hose With Couplings	46.05	
01 22 23 00-0918	MO			2" Inside Diameter, 50' Length, Discharge Hose With Couplings	96.11	
01 22 23 00-0919	DAY			3" Inside Diameter, 50' Length, Discharge Hose With Couplings	32.04	
01 22 23 00-0920	WK			3" Inside Diameter, 50' Length, Discharge Hose With Couplings	64.07	
01 22 23 00-0921	MO			3" Inside Diameter, 50' Length, Discharge Hose With Couplings	126.14	
01 22 23 00-0922	DAY			4" Inside Diameter, 50' Length, Discharge Hose With Couplings	44.05	
01 22 23 00-0923	WK			4" Inside Diameter, 50' Length, Discharge Hose With Couplings	116.13	
01 22 23 00-0924	MO			4" Inside Diameter, 50' Length, Discharge Hose With Couplings	234.27	
01 22 23 00-0925	DAY			6" Inside Diameter, 50' Length, Discharge Hose With Couplings	88.10	
01 22 23 00-0926	WK			6" Inside Diameter, 50' Length, Discharge Hose With Couplings	180.21	
01 22 23 00-0927	MO			6" Inside Diameter, 50' Length, Discharge Hose With Couplings	380.44	
01 22 23 00-0928				Temporary Building Services (01 22 23)		
01 22 23 00-0929				Boilers (01 22 23 00-0928) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0930				Electric Boilers (01 22 23 00-0929)		
01 22 23 00-0931	MO			40 MBH, 12 KW Electric Boiler Rental	1,381.82	
01 22 23 00-0932	MO			60 MBH, 20 KW Electric Boiler Rental	1,507.46	
01 22 23 00-0933	MO			95 MBH, 30 KW Electric Boiler Rental	1,570.28	
01 22 23 00-0934	MO			135 MBH, 40 KW Electric Boiler Rental	1,758.68	
01 22 23 00-0935	MO			165 MBH, 50 KW Electric Boiler Rental	2,449.59	
01 22 23 00-0936	MO			215 MBH, 60 KW Electric Boiler Rental	2,826.46	
01 22 23 00-0937	MO			365 MBH, 100 KW Electric Boiler Rental	3,705.83	
01 22 23 00-0938	MO			510 MBH, 150 KW Electric Boiler Rental	4,522.37	
01 22 23 00-0939				Oil/Gas Fired Boilers (01 22 23 00-0929)		
01 22 23 00-0940	MO			Up To 100 HP Gas/Oil Dual Fuel Boiler Rental	5,000.00	
				For >3 Months Rental, Deduct	-750.00	
01 22 23 00-0941	MO			>100 HP To 250 HP Gas/Oil Dual Fuel Boiler Rental	6,500.00	
				For >3 Months Rental, Deduct	-975.00	
01 22 23 00-0942	MO			>250 HP To 500 HP Gas/Oil Dual Fuel Boiler Rental	10,500.00	
				For >3 Months Rental, Deduct	-1,575.00	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0943 MO >500 HP To 800 HP Gas/Oil Dual Fuel Boiler Rental <i>For >3 Months Rental, Deduct</i>	14,500.00 -2,175.00	
01 22 23 00-0944 Oil Fired Boilers (01 22 23 00-0929)		
01 22 23 00-0945 MO 250 HP Oil Fired Boiler Rental	3,880.85	
01 22 23 00-0946 MO 350 HP Oil Fired Boiler Rental	5,174.47	
01 22 23 00-0947 MO 500 HP Oil Fired Boiler Rental	6,468.09	
01 22 23 00-0948 MO 600 HP Oil Fired Boiler Rental	7,114.89	
01 22 23 00-0949 Boilers Setup (01 22 23 00-0929)		
01 22 23 00-0950 EA Setup Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	3,749.70	
01 22 23 00-0951 Chillers (01 22 23 00-0928) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0952 Air Cooled Chillers (01 22 23 00-0951)		
01 22 23 00-0953 MO 25 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	2,357.06 -353.56 -589.27	
01 22 23 00-0954 MO 40 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	3,771.31 -565.70 -942.83	
01 22 23 00-0955 MO 60 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	4,612.73 -691.91 -1,153.18	
01 22 23 00-0956 MO 80 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	5,454.16 -818.12 -1,363.54	
01 22 23 00-0957 MO 100 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	6,295.59 -944.34 -1,573.90	
01 22 23 00-0958 MO 125 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	7,293.56 -1,094.03 -1,823.39	
01 22 23 00-0959 MO 155 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	8,823.42 -1,323.51 -2,205.86	
01 22 23 00-0960 MO 170 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	9,435.37 -1,415.31 -2,358.84	
01 22 23 00-0961 MO 200 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	10,838.94 -1,625.84 -2,709.74	
01 22 23 00-0962 MO 250 Ton Air Cooled Chiller Rental <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	12,897.15 -1,934.57 -3,224.29	
01 22 23 00-0963 MO 300 Ton Air Cooled Chiller Rental Note: Includes trailer. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	15,049.64 -2,257.45 -3,762.41	
01 22 23 00-0964 MO 400 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	19,852.72 -2,977.91 -4,963.18	
01 22 23 00-0965 MO 500 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	24,573.96 -3,686.09 -6,143.49	
01 22 23 00-0966 EA Setup Air Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	2,606.50	
01 22 23 00-0967 Chiller Rental Accessories (01 22 23 00-0951)		
01 22 23 00-0968 MO 4" x 25' Flexible Water Hose For Chiller Rental	42.00	
01 22 23 00-0969 MO 6" x 25' Flexible Water Hose For Chiller Rental	52.50	
01 22 23 00-0970 Cooling Tower (01 22 23 00-0928) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0971 MO 100 Ton Cooling Tower Rental <i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	2,163.00 -324.45 -540.75	
01 22 23 00-0972 MO 200 Ton Cooling Tower Rental <i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	3,937.50 -590.63 -984.38	
01 22 23 00-0973 MO 250 Ton Cooling Tower Rental <i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	4,459.04 -668.86 -1,114.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0974 MO 300 Ton Cooling Tower Rental <i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	5,040.00 -756.00 -1,260.00	
01 22 23 00-0975 MO 400 Ton Cooling Tower Rental <i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	6,300.00 -945.00 -1,575.00	
01 22 23 00-0976 MO 500 Ton Cooling Tower Rental <i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	7,365.78 -1,104.87 -1,841.45	
01 22 23 00-0977 MO Setup Rental Cooling Tower..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	2,606.50	
01 22 23 00-0978 Emergency Cooler/Freezer <small>(01 22 23 00-0928)</small> Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115V or 230V, freezer 208/230V, combo 115V or 230V.		
01 22 23 00-0979 DAY 8 x 6 x 7 Emergency Cooler Rental	90.00	
01 22 23 00-0980 WK 8 x 6 x 7 Emergency Cooler Rental	480.00	
01 22 23 00-0981 DAY 10 x 7 x 7 Emergency Cooler Rental	180.00	
01 22 23 00-0982 WK 10 x 7 x 7 Emergency Cooler Rental	720.00	
01 22 23 00-0983 MO 10 x 7 x 7 Emergency Cooler Rental	1,800.00	
01 22 23 00-0984 DAY 10 x 7 x 7 Emergency Freezer Rental	210.00	
01 22 23 00-0985 WK 10 x 7 x 7 Emergency Freezer Rental	840.00	
01 22 23 00-0986 MO 10 x 7 x 7 Emergency Freezer Rental	2,160.00	
01 22 23 00-0987 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	240.00	
01 22 23 00-0988 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	960.00	
01 22 23 00-0989 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,400.00	
01 22 23 00-0990 Fuel Oil Tank <small>(01 22 23 00-0928)</small> Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0658 for reimbursable fuel fees.		
01 22 23 00-0991 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	446.76	
01 22 23 00-0992 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	694.95	
01 22 23 00-0993 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,737.38	
01 22 23 00-0994 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,895.64	
01 22 23 00-0995 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,822.24	
01 22 23 00-0996 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,828.19	
01 22 23 00-0997 Truck And Trailer Equipment <small>(01 22 23)</small>		
01 22 23 00-0998 Trucks <small>(01 22 23 00-0997)</small> Note: Includes full-time driver, delivery, and removal.		
01 22 23 00-0999 Flat Bed Trucks <small>(01 22 23 00-0998)</small> Note: Includes hydraulic tilt bed.		
01 22 23 00-1000 DAY 1-1/2 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	1,029.16 -500.74	
01 22 23 00-1001 WK 1-1/2 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	3,889.03 -2,503.72	
01 22 23 00-1002 MO 1-1/2 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	14,290.88 -10,791.91	
01 22 23 00-1003 DAY 3 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,257.66	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-1004 WK 3 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,474.57	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-1005 MO 3 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,790.43	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	
01 22 23 00-1006 Light Duty Trucks <small>(01 22 23 00-0998)</small>		
01 22 23 00-1007 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	671.19 -500.74	
01 22 23 00-1008 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	3,063.00 -2,503.72	
01 22 23 00-1009 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	11,963.74 -10,791.91	
01 22 23 00-1010 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	703.15 -500.74	
01 22 23 00-1011 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	3,158.88 -2,503.72	
01 22 23 00-1012 MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	12,176.80 -10,791.91	
01 22 23 00-1013 Rear Dump Trucks <small>(01 22 23 00-0998)</small>		
01 22 23 00-1014 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver	895.31	
<i>For Equipment Without Operator, Deduct</i>	-500.74	
01 22 23 00-1015 WK 4 CY Rear Dump Truck With Full-Time Truck Driver	3,590.81	
<i>For Equipment Without Operator, Deduct</i>	-2,503.72	
01 22 23 00-1016 MO 4 CY Rear Dump Truck With Full-Time Truck Driver	13,610.29	
<i>For Equipment Without Operator, Deduct</i>	-10,791.91	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1017 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	951.68 -500.74	
01 22 23 00-1018 WK 6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,711.60 -2,503.72	
01 22 23 00-1019 MO 6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	13,690.81 -10,791.91	
01 22 23 00-1020 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,620.04 -500.74	
01 22 23 00-1021 WK 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,088.57 -2,503.72	
01 22 23 00-1022 MO 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	17,556.01 -10,791.91	
01 22 23 00-1023 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,731.97 -500.74	
01 22 23 00-1024 WK 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,347.06 -2,503.72	
01 22 23 00-1025 MO 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	18,232.42 -10,791.91	
01 22 23 00-1026 Vacuum Trucks (01 22 23 00-0998)		
01 22 23 00-1027 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,611.98 -500.74	
01 22 23 00-1028 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,850.34 -2,503.72	
01 22 23 00-1029 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	20,667.50 -10,791.91	
01 22 23 00-1030 Water Trucks (01 22 23 00-0998)		
See CSI section 01 22 23 00-1042 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1031 DAY 2,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,038.94 -500.74 2.55	
01 22 23 00-1032 WK 2,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	3,920.98 -2,503.72 2.55	
01 22 23 00-1033 MO 2,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14,140.71 -10,791.91 2.55	
01 22 23 00-1034 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,302.06 -500.74 2.55	
01 22 23 00-1035 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	4,710.34 -2,503.72 2.55	
01 22 23 00-1036 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	16,173.91 -10,791.91 2.55	
01 22 23 00-1037 Asphalt Distribution Trucks (01 22 23 00-0998)		
01 22 23 00-1038 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,948.59 -500.74	
01 22 23 00-1039 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	9,815.85 -2,503.72	
01 22 23 00-1040 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	32,408.39 -10,791.91	
01 22 23 00-1041 Trailers (01 22 23 00-0997)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1042 Water Trailers With Pump (01 22 23 00-1041)		
01 22 23 00-1043 DAY 500 To 600 Gallon Water Trailer With Pump	137.54	
01 22 23 00-1044 WK 500 To 600 Gallon Water Trailer With Pump	352.82	
01 22 23 00-1045 MO 500 To 600 Gallon Water Trailer With Pump	944.84	
01 30 Administrative Requirements (01)		
01 32 Construction Progress Documentation (01 30)		
01 32 33 Photographic Documentation (01 32)		
01 32 33 00-0001 Photography (01 32 33)		
Note: Excludes QC photographs. As requested by owner.		
01 32 33 00-0002 EA 3-1/2" x 5" Color Print Photograph	1.53	
01 32 33 00-0003 EA 4" x 6" Color Print Photograph	2.04	
01 32 33 00-0004 EA 5" x 7" Color Print Photograph	4.13	
01 32 33 00-0005 EA 8" x 10" Color Print Photograph	6.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 32 33 00-0006	Aerial Survey And Photography <small>(01 32 33)</small>	
	<small>Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".</small>	
01 32 33 00-0007	EA Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs.....	1,204.74
	<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00
	<i>For Each Mile Outside The City Area, Add</i>	3.00
	<i>For Color Prints Instead Of Black And White, Add</i>	361.42
01 32 33 00-0008	EA 5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph	1,342.64
	<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00
	<i>For Each Mile Outside The City Area, Add</i>	3.00
01 32 33 00-0009	HR Aerial Tour Of Project Site Up To 3 Passengers (Helicopter)	907.19

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)

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

01 45 23 00-0001 Soils/Aggregate Testing (01 45 23)

01 45 23 00-0002 Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003	EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	165.71
01 45 23 00-0004	EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	235.20
01 45 23 00-0005	EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	267.28
01 45 23 00-0006	EA Resistance (R) Value Soils Test, CA 301, Field Soils Test	213.82
01 45 23 00-0007	EA Soils Classification Test, ASTM D-2487, Field Soils Test	320.73
01 45 23 00-0008	SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	641.23
01 45 23 00-0009	EA Moisture Content, Field Soils Test	24.05
01 45 23 00-0010	EA UBC Or Swell Test, Field Soils Test	84.24
01 45 23 00-0011	EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	160.31
01 45 23 00-0012	EA Proctor Compaction 6" Standard Mold, Field Soils Test	200.39
01 45 23 00-0013	EA Density And Classification Test, Field Soils Test	64.12
01 45 23 00-0014	EA Percolation Test, Field Soils Test	160.31
01 45 23 00-0015	EA Infiltration Test, Field Soils Test	320.62

01 45 23 00-0016 Soil Borings Laboratory Tests (01 45 23 00-0001)

See CSI section 02 32 13 00-0000 for soil borings.

01 45 23 00-0017	EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	73.59
01 45 23 00-0018	EA Shrinkage Limit, Soil Borings Laboratory Test	23.48
01 45 23 00-0019	EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	56.60
01 45 23 00-0020	EA Consolidation, Soil Borings Laboratory Test	396.24
01 45 23 00-0021	EA Swell Test, Soil Borings Laboratory Test	78.27
01 45 23 00-0022	EA In Place Density, Soil Borings Laboratory Test	16.98
01 45 23 00-0023	EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test	10.55
01 45 23 00-0024	EA Hydrometer Analysis, Soil Borings Laboratory Test	136.20
01 45 23 00-0025	EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	47.50
01 45 23 00-0026	EA Partial Sieve Analysis, Soil Borings Laboratory Test	9.39
01 45 23 00-0027	EA Laboratory Permeability, Soil Borings Laboratory Test	469.67
01 45 23 00-0028	EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	95.00
01 45 23 00-0029	EA Sulfate Soundness, Soil Borings Laboratory Test	117.42
01 45 23 00-0030	EA Los Angeles Abrasion, Soil Borings Laboratory Test	273.78
01 45 23 00-0031	EA California Bearing Ratio, ASTM D1883	240.55
01 45 23 00-0032	EA Compaction Test Subgrade, Soil Borings Laboratory Test	70.45
01 45 23 00-0033	EA Compaction Test Base Course, Soil Borings Laboratory Test	59.61
01 45 23 00-0034	EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	231.66
01 45 23 00-0035	EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	36.01

01 45 23 00-0036 Aggregate Testing (01 45 23 00-0001)

01 45 23 00-0037	EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	53.46
01 45 23 00-0038	EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	96.22
01 45 23 00-0039	EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	133.64
01 45 23 00-0040	EA Sieve Analysis, Pit Run, ASTM C136	104.20
	<small>Note: Includes wash.</small>	
01 45 23 00-0041	EA Specific Special Gravity, Course, ASTM C127	84.91
	<small>Note: Includes absorption test.</small>	
01 45 23 00-0042	EA Special Gravity, Fine, ASTM C127	76.15
	<small>Note: Includes absorption test.</small>	
01 45 23 00-0043	EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	113.21
01 45 23 00-0044	EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	106.91
01 45 23 00-0045	EA Aggregate Cleanness Value, ASTM C-128, CA 227	106.91
01 45 23 00-0046	EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	80.18
01 45 23 00-0047	EA Fine Aggregate Durability Index, CA 229	85.53
01 45 23 00-0048	EA Sodium And Magnesium Soundness, ASTM C88	224.43
01 45 23 00-0049	EA Los Angeles Rattler, ASTM C-131, CA 211	171.06
01 45 23 00-0050	EA Los Angeles Rattler, ASTM C-535	171.06
01 45 23 00-0051	EA Unit Weight Of Aggregates, ASTM C29	48.11
01 45 23 00-0052	EA Organic Impurities In Sand, ASTM C40	48.09
01 45 23 00-0053	EA Crushed Particle, ASTM California Test Method	48.09

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0054 EA Clay Lump And Friable Particles, ASTM C142	96.19	
01 45 23 00-0055 Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0056 In-Place Tests (01 45 23 00-0055)		
01 45 23 00-0057 EA Double Ring Infiltrometer Test, ASTM D3385.....	849.08	
01 45 23 00-0058 EA Unconfined Compressive Strength (Pocket Penetrometer) Test	40.08	
01 45 23 00-0059 Lab Tests (01 45 23 00-0055)		
01 45 23 00-0060 EA Falling Head Rigid Wall Consolidometer Technique CAE.....	396.24	
01 45 23 00-0061 EA Falling Head Permeability Test EPA-9100.....	396.24	
01 45 23 00-0062 EA Constant Head Permeability Test For Granular Soils, ASTM D2432.....	226.42	
01 45 23 00-0063 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0064 Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0065 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	16.44	
01 45 23 00-0066 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	33.96	
01 45 23 00-0067 EA Concrete Cores Compression Test, ASTM C-42	69.49	
01 45 23 00-0068 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78	101.56	
01 45 23 00-0069 EA Unit Weight Of Concrete Cylinder, ASTM C-567	37.42	
01 45 23 00-0070 EA Concrete Mix Design Review.....	203.13	
01 45 23 00-0071 EA Trial Concrete Batch Prepared In Laboratory	481.10	
01 45 23 00-0072 EA Concrete Shrinkage, ASTM C-157 Modified	374.18	
01 45 23 00-0073 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	57.73	
01 45 23 00-0074 EA Concrete Slump Test, ASTM C143.....	26.73	
01 45 23 00-0075 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	26.73	
01 45 23 00-0076 Cement Testing (01 45 23 00-0063)		
01 45 23 00-0077 EA Cement Grab Sample (CCR Title 24)	26.73	
Note: Includes sealing and storing 1 year.		
01 45 23 00-0078 EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	42.76	
01 45 23 00-0079 Asphaltic Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0080 EA Hveem Asphaltic Concrete Stability Test, CA 366	53.46	
01 45 23 00-0081 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	138.98	
01 45 23 00-0082 EA Stability Tests, Premixed, ASTM D1559	53.46	
01 45 23 00-0083 EA Stability Tests, Lab. Mixed, ASTM D1559.....	138.98	
01 45 23 00-0084 EA Swell Test, CA 305	64.15	
Note: Includes compaction.		
01 45 23 00-0085 EA % Asphalt Extraction Test, ASTM D-2172 B.....	160.36	
01 45 23 00-0086 EA Maximum Theoretical Unit Weight, ASTM C2041.....	101.89	
01 45 23 00-0087 EA Unit Weight Sample Requiring Compaction, California Test Method 308	21.38	
01 45 23 00-0088 EA Asphalt Unit Weight On Core Test, CA 308C	21.38	
01 45 23 00-0089 HR Nuclear Field Density Testing, 4 Hour Minimum.....	110.12	
01 45 23 00-0090 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	72.14	
01 45 23 00-0091 EA Penetration, ASTM D5.....	77.22	
01 45 23 00-0092 Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0093 Masonry Testing (01 45 23 00-0092)		
01 45 23 00-0094 EA 2" x 4" Cylinder Mortar Compression Test	35.28	
01 45 23 00-0095 EA 4" x 4" x 8" Grout Prisms Compression Test.....	35.28	
01 45 23 00-0096 EA Masonry Cores Compression Test.....	69.49	
01 45 23 00-0097 EA Composite Grouted Prism Compression Test.....	133.64	
01 45 23 00-0098 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0092)		
01 45 23 00-0099 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	85.53	
01 45 23 00-0100 EA Absorption Test, Moisture Content And Unit Weight.....	58.80	
01 45 23 00-0101 EA Moisture Condition By Relative Humidity, ASTM C427, First Unit	224.43	
01 45 23 00-0102 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	112.22	
01 45 23 00-0103 Metals Testing (01 45 23)		
01 45 23 00-0104 Tank Line Tightness Testing (01 45 23 00-0103)		
01 45 23 00-0105 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	308.96	
01 45 23 00-0106 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	343.07	
01 45 23 00-0107 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	377.06	
01 45 23 00-0108 Other Testing (01 45 23)		
01 45 23 00-0109 Special Testing (01 45 23 00-0108)		



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0110 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	82.87	
01 45 23 00-0111 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	497.20	
01 45 23 00-0112 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	25.00	
01 45 23 00-0113 EA Testing For The Presence Of PCBs In Caulk, Analysis Per Sample	103.63	
01 45 23 00-0114 EA Testing For The Presence Of PCBs In Soil, Analysis Per Sample.....	103.63	
01 45 23 00-0115 EA Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample	103.63	
01 45 23 00-0116 EA Testing For The Presence Of PCBs In Air, Analysis Per Sample	569.96	
01 45 23 00-0117 Nondestructive Field Testing Services (01 45 23 00-0108)		
01 45 23 00-0118 Infrared Thermography (01 45 23 00-0117) Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0119 Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0118) Note: For on the roof surveys.		
01 45 23 00-0120 EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	1,800.00	
01 45 23 00-0121 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.00	
For CADD Drawings, Add	0.60	
01 45 23 00-0122 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.00	
For CADD Drawings, Add	0.40	
01 45 23 00-0123 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.50	
For CADD Drawings, Add	0.30	
For Elevated Infrared Thermography Roof Investigation, Add	0.38	
For Aerial Infrared Thermography Roof Investigation, Add	0.38	
01 45 23 00-0124 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.00	
For CADD Drawings, Add	0.20	
For Elevated Infrared Thermography Roof Investigation, Add	0.25	
For Aerial Infrared Thermography Roof Investigation, Add	0.25	
01 45 23 00-0125 Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0118) Note: For finding moisture in walls and windows.		
01 45 23 00-0126 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0127 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	3.00	
For Digital Or Analog Recording Of All Items, Add	1.50	
01 45 23 00-0128 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	2.00	
For Digital Or Analog Recording Of All Items, Add	1.00	
01 45 23 00-0129 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	1.00	
For Digital Or Analog Recording Of All Items, Add	0.50	
01 45 23 00-0130 General Building Investigation Using Infrared Thermography (01 45 23 00-0118) Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0131 EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	1,950.00	
01 45 23 00-0132 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography	3.00	
For Digital Or Analog Recording Of All Items, Add	1.50	
01 45 23 00-0133 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	2.00	
For Digital Or Analog Recording Of All Items, Add	1.00	
01 45 23 00-0134 CSF >5,000 SF, General Building Investigation Using Infrared Thermography	1.00	
For Digital Or Analog Recording Of All Items, Add	0.50	
01 45 23 00-0135 Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0118) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0136 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	950.00	
01 45 23 00-0137 HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography	135.79	
For Digital Or Analog Recording Of All Items, Add	20.04	
01 45 23 00-0138 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0118) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0139 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0140 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	3.00	
For Digital Or Analog Recording Of All Items, Add	0.45	
01 45 23 00-0141 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.00	
For Digital Or Analog Recording Of All Items, Add	0.30	
01 45 23 00-0142 Other Nondestructive Field Testing Services (01 45 23 00-0117)		
01 45 23 00-0143 HR ASNT Certified Level III Consultant	128.29	
01 45 23 00-0144 HR Two Person Concrete And Welding Radiographic Testing Crew.....	213.82	
01 45 23 00-0145 Testing Professional Services (01 45 23 00-0108)		
01 45 23 00-0146 HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection.....	99.43	
01 45 23 00-0147 HR Laboratory Technician	96.22	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45	23 00-0148	HR	Portable Digital Reinforcement Scanner	138.98	
01 45	23 00-0149	HR	Subsurface Detection Radar System	235.20	
01 45	23 00-0150	HR	Pavement Rehabilitation Analysis Using Deflectors.....	267.28	
01 45	23 00-0151	HR	Associate Engineer.....	138.98	
01 45	23 00-0152	HR	Staff Engineer	128.29	
01 45	23 00-0153	HR	Project Manager.....	122.95	
01 45	23 00-0154	HR	Principal Engineer.....	187.09	
01 45	23 00-0155	HR	Consulting Engineer.....	149.67	

01 50 Temporary Facilities And Controls (01)

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

01 51 Temporary Utilities (01 50)

01 51 13 Temporary Electricity (01 51)

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

Note: Includes fuses.

01 51	13 00-0002	EA	Temporary 30 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	454.25	186.49
01 51	13 00-0003	EA	Temporary 60 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	566.04	247.34
01 51	13 00-0004	EA	Temporary 100 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	826.41	270.68
01 51	13 00-0005	EA	Temporary 200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	1,236.86	421.24
01 51	13 00-0006	EA	Temporary 400 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	2,316.15	699.16
01 51	13 00-0007	EA	Temporary 600 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	3,948.69	932.26
01 51	13 00-0008	EA	Temporary 800 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	5,568.21	1,057.08
01 51	13 00-0009	EA	Temporary 1,200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	9,026.31	1,610.79
01 51	13 00-0010	EA	Temporary 2,000 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	12,812.49	2,416.27

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

Note: Main lug.

01 51	13 00-0012	EA	Temporary 100 Amp Panelboard Complete With Up To 24 Branch Circuits, 120/208 Volt.....	891.13	183.03
01 51	13 00-0013	EA	Temporary 200 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	1,192.16	335.65
01 51	13 00-0014	EA	Temporary 400 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	1,879.37	503.39
01 51	13 00-0015	EA	Temporary 600 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	2,591.53	839.02

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

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

01 51	13 00-0017	EA	Temporary 2 - Pole Cord Grip Plug With Installation	117.62	50.40
01 51	13 00-0018	EA	Temporary 3 - Pole Cord Grip Plug With Installation	173.74	77.53
01 51	13 00-0019	EA	Temporary 4 - Pole Cord Grip Plug With Installation	223.35	100.65
01 51	13 00-0020	EA	Temporary 3 - Pole (30 A) Cord Grip Plug With Installation.....	170.05	77.53
01 51	13 00-0021	EA	Temporary 4 - Pole (30 A) Cord Grip Plug With Installation.....	217.49	100.65
01 51	13 00-0022	EA	Temporary 3 - Pole (50 A) Cord Grip Plug With Installation.....	188.03	77.53

01 51 26 Temporary Lighting (01 51)

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

Note: Includes removal after use.

01 51	26 00-0002	EA	Temporary Exit Light.....	131.68	37.59
01 51	26 00-0003	EA	Temporary Light Socket With Branch Wiring Connection And Lamp.....	17.49	7.82
01 51	26 00-0004	EA	Temporary 10 Light String	47.94	17.67
01 51	26 00-0005	EA	Temporary GFI Device With Enclosure.....	141.16	50.40
01 51	26 00-0006	EA	Temporary Trailer Socket With Branch Wiring.....	54.23	18.25
01 51	26 00-0007	EA	Temporary Auditorium Drop Light Complete With Branch Wiring	68.25	16.45

01 52 Construction Facilities (01 50)

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

01 52 13 Field Offices And Sheds (01 52)

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

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

01 52	13 00-0002	MO	8' x 24' Office, With Toilet	334.69	
			For Each Delivery And Removal, Round Trip, Add	380.00	
			For Each Set-Up (Block And Level), Add	95.00	
			For Each Anchoring Into Dirt, Add	60.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
01 52	13 00-0003	MO	8' x 32' Office, With Toilet	384.99	
			For Each Delivery And Removal, Round Trip, Add	380.00	
			For Each Set-Up (Block And Level), Add	95.00	
			For Each Anchoring Into Dirt, Add	60.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
01 52	13 00-0004	MO	12' x 45' Office, With Toilet	576.82	
			For Each Delivery And Removal, Round Trip, Add	630.00	
			For Each Set-Up (Block And Level), Add	155.00	
			For Each Anchoring Into Dirt, Add	60.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	110.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0005 MO 12' x 60' Office, With Toilet.....	804.86	
For Each Delivery And Removal, Round Trip, Add	630.00	
For Each Set-Up (Block And Level), Add	155.00	
For Each Anchoring Into Dirt, Add	60.00	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
01 52 13 00-0006 MO 24' x 72' Office, With Toilet.....	1,433.66	
For Each Delivery And Removal, Round Trip, Add	1,200.00	
For Each Set-Up (Block And Level), Add	300.00	
For Each Anchoring Into Dirt, Add	60.00	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
01 52 13 00-0007 MO 30' x 30' Office, With Toilet.....	997.70	
For Each Delivery And Removal, Round Trip, Add	1,200.00	
For Each Set-Up (Block And Level), Add	300.00	
For Each Anchoring Into Dirt, Add	60.00	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
01 52 13 00-0008 Office Accessories (01 52 13)		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0009 MO Desk	27.58	
01 52 13 00-0010 MO Desk Chair, Rolling	17.24	
01 52 13 00-0011 MO File Cabinet.....	20.68	
01 52 13 00-0012 MO Table.....	13.79	
01 52 13 00-0013 MO Folding Chair	6.53	
01 52 13 00-0014 EA Phone Hook-Up	75.84	
01 52 13 00-0015 MO Local Phone Service Per Phone Line	48.26	
01 52 13 00-0016 MO Security Monitor System With Monitoring	80.00	
01 52 13 00-0017 LF Trailer Skirting Around Perimeter Of Trailer.....	24.91	
01 52 13 00-0018 LF Trailer Skirting Around Perimeter Of Trailer (Insulated).....	45.28	
01 52 13 00-0019 MO Steps	56.60	
01 52 13 00-0020 MO Fax Machine	34.47	
01 52 13 00-0021 MO Copier	55.16	
01 52 13 00-0022 Storage Containers (01 52 13)		
01 52 13 00-0023 MO 8' x 8' x 10' Storage Container	88.56	
For Delivery And Pick-up of Container, Add	144.00	
For >12 Months, Deduct	-26.57	
01 52 13 00-0024 MO 8' x 8' x 20' Storage Container	92.59	
For Delivery And Pick-up of Container, Add	144.00	
For >12 Months, Deduct	-27.78	
01 52 13 00-0025 MO 8' x 8' x 40' Storage Container	109.49	
For Delivery And Pick-up of Container, Add	144.00	
For >12 Months, Deduct	-32.85	
01 52 19 Sanitary Facilities (01 52)		
01 52 19 00-0001 Portable Toilets (01 52 19)		
Note: Includes delivery, set-up, servicing once per week and removal.		
01 52 19 00-0002 WK Portable Toilets, Chemical	31.66	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0003 MO Portable Toilets, Chemical	94.99	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0004 WK ADA Portable Toilets, Chemical.....	37.77	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0005 MO ADA Portable Toilets, Chemical.....	110.82	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0006 WK Two Station Portable Handwash.....	26.43	
01 52 19 00-0007 MO Two Station Portable Handwash.....	80.16	
01 54 Construction Aids (01 50)		
01 54 23 Temporary Scaffolding And Platforms (01 54)		
01 54 23 00-0001 Scaffolding (01 54 23)		
Note: Additional scaffolding rental for work above the normal working height of 14'. See CSI section 04 05 26 00-0000 for masonry scaffolding.		
01 54 23 00-0002 Scaffolding Rental - Rental Only (01 54 23 00-0001)		
Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month)	20.84	
For Up To 25, Add	8.34	
For >25 To 50, Add	5.21	
For >50 To 150, Add	2.08	
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month)	23.44	
For Up To 25, Add	9.38	
For >25 To 50, Add	5.86	
For >50 To 150, Add	2.34	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month).....	31.26	
<i>For Up To 25, Add</i>	12.50	
<i>For >25 To 50, Add</i>	7.82	
<i>For >50 To 150, Add</i>	3.13	
01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small>		
Note: Includes both erection and dismantling of scaffolding. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	36.31	
Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	45.40	
Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	54.48	
Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0010 CCF >60' To 80' Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories.....	59.93	
Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0011 CCF >80' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	69.01	
Note: Includes both erection and dismantling of scaffolding.		
01 54 23 00-0012 Rolling Scaffolding <small>(01 54 23)</small>		
Note: Includes moving to perform task. No additional cost for relocating will be allowed.		
01 54 23 00-0013 DAY Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	10.15	
01 54 23 00-0014 WK Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	40.69	
01 54 23 00-0015 MO Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	162.74	
01 54 23 00-0016 DAY Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	17.00	
01 54 23 00-0017 WK Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	68.08	
01 54 23 00-0018 MO Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	272.36	
01 54 23 00-0019 EA Rolling Scaffolding Erection And Dismantling - Height Up To 20'	83.09	
Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.		
01 54 23 00-0020 EA Rolling Scaffolding Erection And Dismantling - Height 21' To 40'	103.86	
Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.		
01 54 26 Temporary Swing Staging <small>(01 54)</small>		
Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001 MO Swing Stage, Electric Operated	1,449.70	
01 54 26 00-0002 MO Swing Stage, Manually Operated, With Ropes, Winch, Support Hooks, Etcetera	522.54	
01 54 26 00-0003 EA Swing Stage Erection And Dismantling.....	386.02	
Note: Includes both erection and dismantling of swing stage.		
01 54 26 00-0004 EA Move Swing Stage To Different Roof At Same Site	181.50	
01 54 26 00-0005 EA Move Swing Stage To Different Location At Same Roof.....	83.77	
01 54 30 Temporary Sidewalk Protection <small>(01 54)</small>		
01 54 30 00-0001 Sidewalk Bridge <small>(01 54 30)</small>		
01 54 30 00-0002 Installation of Sidewalk Bridge <small>(01 54 30 00-0001)</small>		
01 54 30 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	61.75	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
<i>For 3 Post System, Add</i>		
<i>For Each Additional Foot Over 8' Wide, Add</i>		
<i>For Each Additional Foot Over 8' High, Add</i>		
	6.00	
	3.00	
	2.00	
01 54 30 00-0004 LF Installation of Netting for Sidewalk Bridge.....	2.97	
01 54 30 00-0005 Monthly Rental of Sidewalk Bridge <small>(01 54 30 00-0001)</small>		
01 54 30 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	5.17	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
	0.78	
01 54 30 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	5.81	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
	0.87	
01 54 30 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	6.46	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
	0.97	
01 54 30 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	6.46	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
	0.97	
01 54 30 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	7.11	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
	1.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 30 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.40	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
01 54 30 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	7.75	1.26
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
01 54 30 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	9.04	1.16
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
01 54 30 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	9.69	1.36
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		
01 54 30 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	0.97	1.45
01 54 30 00-0016 Removal of Sidewalk Bridge (01 54 30 00-0001)		
01 54 30 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	24.19	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
<i>For 3 Post System, Add</i>		
<i>For Each Additional Foot Over 8' Wide, Add</i>		
<i>For Each Additional Foot Over 8' High, Add</i>		
01 54 30 00-0018 LF Removal of Netting for Sidewalk Bridge.....	1.48	2.50 1.25 0.75
01 55 Vehicular Access And Parking (01 50)		
01 55 26 Traffic Control (01 55)		
01 55 26 00-0001 Removable Prefomed Traffic Black Line Mask (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask.....	3.95	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask.....	4.82	
01 55 26 00-0004 Temporary Prefomed Traffic Line Tape (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	3.02	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	4.00	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	4.91	
01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines.....	2.70	
<i>For Not Removed, Deduct</i>		
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines.....	3.59	-2.15
<i>For Not Removed, Deduct</i>		
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines.....	4.51	-2.91
<i>For Not Removed, Deduct</i>		
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.14	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.16	-3.70
01 55 26 00-0014 Pedestrian Traffic Control (01 55 26)		
01 55 26 00-0015 CLF Safety Tape For Area Isolation.....	8.38	
01 55 26 00-0016 CLF Danger Tape.....	9.01	
01 55 26 00-0017 Traffic Protection (01 55 26)		
01 55 26 00-0018 Portable Traffic Control Device Rental (01 55 26 00-0017)		
Note: Excludes placing and removing devices.		
01 55 26 00-0019 DAY 28" Cone With Reflective Collar.....	0.42	
01 55 26 00-0020 WK 28" Cone With Reflective Collar.....	1.25	
01 55 26 00-0021 MO 28" Cone With Reflective Collar.....	3.74	
01 55 26 00-0022 DAY Vertical Panel.....	1.26	
01 55 26 00-0023 WK Vertical Panel.....	3.77	
01 55 26 00-0024 MO Vertical Panel.....	11.30	
01 55 26 00-0025 DAY Channelizer Drum.....	1.36	
01 55 26 00-0026 WK Channelizer Drum.....	4.09	
01 55 26 00-0027 MO Channelizer Drum.....	12.27	
01 55 26 00-0028 DAY Stackable Channelizer Panel.....	0.64	
01 55 26 00-0029 WK Stackable Channelizer Panel.....	1.93	
01 55 26 00-0030 MO Stackable Channelizer Panel.....	5.80	
01 55 26 00-0031 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	0.89	
01 55 26 00-0032 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	2.68	
01 55 26 00-0033 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	8.03	
01 55 26 00-0034 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	1.98	
01 55 26 00-0035 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	5.94	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0036	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	17.81
01 55 26 00-0037	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	2.26
01 55 26 00-0038	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	6.77
01 55 26 00-0039	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	20.30
01 55 26 00-0040	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	4.12
01 55 26 00-0041	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	12.37
01 55 26 00-0042	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	37.12
01 55 26 00-0043	DAY	Up To 10' Wide A Frame Barricade	2.26
01 55 26 00-0044	WK	Up To 10' Wide A Frame Barricade	6.79
01 55 26 00-0045	MO	Up To 10' Wide A Frame Barricade	20.36
01 55 26 00-0046	DAY	Type A Or C Flasher	0.46
01 55 26 00-0047	WK	Type A Or C Flasher	1.38
01 55 26 00-0048	MO	Type A Or C Flasher	4.15
01 55 26 00-0049	DAY	Type B Flasher (High Intensity)	2.50
01 55 26 00-0050	WK	Type B Flasher (High Intensity)	7.50
01 55 26 00-0051	MO	Type B Flasher (High Intensity)	22.51

01 55 26 00-0052 Traffic Barriers Rental (01 55 26 00-0017)
Note: Excludes placing and removing devices.

01 55 26 00-0053	DAY	6' Long Portable Parking Curbs	1.08
01 55 26 00-0054	WK	6' Long Portable Parking Curbs	3.23
01 55 26 00-0055	MO	6' Long Portable Parking Curbs	9.70
01 55 26 00-0056	DAY	6' Long Portable Speed Bumps	3.19
01 55 26 00-0057	WK	6' Long Portable Speed Bumps	9.56
01 55 26 00-0058	MO	6' Long Portable Speed Bumps	28.69
01 55 26 00-0059	DAY	Up To 12.5' Concrete Traffic Barrier	7.66
01 55 26 00-0060	WK	Up To 12.5' Concrete Traffic Barrier	22.98
01 55 26 00-0061	MO	Up To 12.5' Concrete Traffic Barrier	68.94
01 55 26 00-0062	DAY	>12.5' To 20' Concrete Traffic Barrier	15.32
01 55 26 00-0063	WK	>12.5' To 20' Concrete Traffic Barrier	45.96
01 55 26 00-0064	MO	>12.5' To 20' Concrete Traffic Barrier	137.87
01 55 26 00-0065	DAY	6' x 32" Tall Plastic Water Barrier	9.15
01 55 26 00-0066	WK	6' x 32" Tall Plastic Water Barrier	27.44
01 55 26 00-0067	MO	6' x 32" Tall Plastic Water Barrier	82.32
01 55 26 00-0068	DAY	6' x 46" Tall Plastic Water Barrier	13.06
01 55 26 00-0069	WK	6' x 46" Tall Plastic Water Barrier	39.18
01 55 26 00-0070	MO	6' x 46" Tall Plastic Water Barrier	117.55
01 55 26 00-0071	DAY	Sand Filled Crash Attenuator Barrels	5.11
01 55 26 00-0072	WK	Sand Filled Crash Attenuator Barrels	15.34
01 55 26 00-0073	MO	Sand Filled Crash Attenuator Barrels	46.01

01 55 26 00-0074 Portable Signs And Message Displays Rental (01 55 26 00-0017)
Note: Excludes placing and removing devices.

01 55 26 00-0075	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.01
01 55 26 00-0076	WK	Mesh Or Vinyl Roll-up Sign With Stand	12.04
01 55 26 00-0077	MO	Mesh Or Vinyl Roll-up Sign With Stand	36.12
01 55 26 00-0078	DAY	Aluminum Sign And Post	2.31
01 55 26 00-0079	WK	Aluminum Sign And Post	6.92
01 55 26 00-0080	MO	Aluminum Sign And Post	20.75
01 55 26 00-0081	DAY	Aluminum Sign And A Frame Stand	3.03
01 55 26 00-0082	WK	Aluminum Sign And A Frame Stand	9.10
01 55 26 00-0083	MO	Aluminum Sign And A Frame Stand	27.31
01 55 26 00-0084	DAY	Trailer Mounted Arrow Board	47.99
01 55 26 00-0085	WK	Trailer Mounted Arrow Board	143.98
01 55 26 00-0086	MO	Trailer Mounted Arrow Board	431.95
01 55 26 00-0087	DAY	Trailer Mounted Message Board	183.00
01 55 26 00-0088	WK	Trailer Mounted Message Board	549.00
01 55 26 00-0089	MO	Trailer Mounted Message Board	1,647.00
01 55 26 00-0090	DAY	Trailer Mounted Traffic Signal	250.00
01 55 26 00-0091	WK	Trailer Mounted Traffic Signal	1,650.00
01 55 26 00-0092	MO	Trailer Mounted Traffic Signal	6,500.00

01 55 26 00-0093 Place And Remove Traffic Protection Using Truck (01 55 26 00-0017)
Note: Includes delivery and return up to 15 miles.

01 55 26 00-0094	EA	Place And Remove Up To 250 Cones Using Truck	3.45
01 55 26 00-0095	EA	Place And Remove >250 Cones Using Truck	2.76
01 55 26 00-0096	EA	Place And Remove Up To 250 Panels/Channelizers Using Truck	4.60
01 55 26 00-0097	EA	Place And Remove >250 Panels/Channelizers Using Truck	3.69
01 55 26 00-0098	EA	Place And Remove Up To 250 Barricades Using Truck	6.91
01 55 26 00-0099	EA	Place And Remove >250 Barricades Using Truck	5.53
01 55 26 00-0100	EA	Place And Remove Curbs/Speed Bumps Using Truck	6.91
01 55 26 00-0101	EA	Place And Remove Portable Sign And Stand Using Truck	4.15
01 55 26 00-0102	EA	Place And Remove Aluminum Sign And Post Using Truck	17.27
01 55 26 00-0103	EA	Place And Remove Trailer Mounted Boards Using Truck	51.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0104 EA Place And Remove Up To 12.5' Concrete Traffic Barrier.....70.53 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	176.33	
For 2 Barriers, Add	63.48	
For 3 Barriers, Add	21.16	
01 55 26 00-0105 EA Place And Remove >12.5' Concrete Traffic Barrier .....105.80 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	264.50	
For 2 Barriers, Add	95.22	
For 3 Barriers, Add	31.74	
01 55 26 00-0106 EA Place And Remove Plastic Water Barrier .....36.73 Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	88.18	
For 2 Barriers, Add	31.74	
For 3 Barriers, Add	10.58	
01 55 26 00-0107 EA Place And Remove Crash Attenuator Barrels.....52.89 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	132.23	
For 2 Barriers, Add	47.60	
For 3 Barriers, Add	15.87	
01 55 26 00-0108 Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0017)		
01 55 26 00-0109 EA Place And Remove Up To 250 Cones By Hand From Roadside .....1.73		
01 55 26 00-0110 EA Place And Remove >250 Cones By Hand From Roadside.....1.38		
01 55 26 00-0111 EA Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside.....2.31		
01 55 26 00-0112 EA Place And Remove >250 Panels/Channelizers By Hand From Roadside .....1.84		
01 55 26 00-0113 EA Place And Remove Up To 250 Barricades By Hand From Roadside .....3.45		
01 55 26 00-0114 EA Place And Remove >250 Barricades By Hand From Roadside .....2.76		
01 55 26 00-0115 EA Place And Remove Portable Sign And Stand From Roadside.....2.13		
01 55 26 00-0116 EA Place And Remove Trailer Mounted Boards From Roadside .....25.91		
01 55 26 00-0117 EA Roadside Relocation Of Concrete Traffic Barrier .....35.27 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 56 Temporary Barriers And Enclosures (01 50)		
Note: Includes removal after use.		
01 56 16 Temporary Dust Barriers (01 56)		
01 56 16 00-0001 Temporary Sheeting For Protection (01 56 16)		
01 56 16 00-0002 SF 6 Mil Plastic Sheeting, Applied To Floors .....0.27		
01 56 16 00-0003 SF 6 Mil Plastic Sheeting, Applied To Walls.....0.35		
01 56 16 00-0004 SF 6 Mil Plastic Sheeting, Applied To Ceilings.....0.47		
01 56 16 00-0005 SF 10 Mil Shrink Wrap Applied To Scaffolding.....0.52		
01 56 16 00-0006 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors .....0.38		
01 56 16 00-0007 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls .....0.46		
01 56 16 00-0008 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings .....0.58		
01 56 16 00-0009 SF Burlap, Applied To Floors .....0.54		
01 56 16 00-0010 EA 7' Zipper Door For Plastic Sheeting .....14.66		
01 56 16 00-0011 LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) .....5.11 Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.		
01 56 16 00-0012 EA Up To 1 SF Individual Critical Barriers .....7.68 Note: For Outlets And Receptacles		
01 56 16 00-0013 EA >1 To 4 SF Individual Critical Barriers .....11.66 Note: For diffusers, ceiling speakers, return grilles, etc.		
01 56 16 00-0014 EA >4 To 8 SF Individual Critical Barriers .....15.68 Note: For diffusers, return grilles, access doors, light fixtures, etc.		
01 56 16 00-0015 EA >8 To 32 SF Individual Critical Barriers .....24.61 Note: For doors, windows, etc.		
01 56 16 00-0016 Temporary Stud Wall (01 56 16)		
01 56 16 00-0017 Temporary Stud Wall With Drywall (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, drywall taped and finished, and removal after use. Excludes paint.		
01 56 16 00-0018 Temporary Stud Wall With Drywall (01 56 16 00-0017)		
01 56 16 00-0019 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....4.30 For Metal Studs 24" On Center, Add 0.33		
01 56 16 00-0020 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....4.30 For Metal Studs 24" On Center, Add 0.33		
01 56 16 00-0021 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....4.38 For Metal Studs 24" On Center, Add 0.33		
01 56 16 00-0022 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....5.93 For Metal Studs 24" On Center, Add 0.39		

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0023	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	5.93 0.39	
01 56 16 00-0024	SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	6.10 0.39	
01 56 16 00-0025			Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0017)		
01 56 16 00-0026	SF		1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	4.40 0.33	
01 56 16 00-0027	SF		5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	4.42 0.33	
01 56 16 00-0028	SF		5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.37 0.33	
01 56 16 00-0029	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.01 0.33	
01 56 16 00-0030	SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.12 0.39	
01 56 16 00-0031	SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.18 0.39	
01 56 16 00-0032	SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.08 0.39	
01 56 16 00-0033	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	7.34 0.39	
01 56 16 00-0034			Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0035	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.24 0.33	
01 56 16 00-0036	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.28 0.33	
01 56 16 00-0037	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.39 0.33	
01 56 16 00-0038	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.45 0.33	
01 56 16 00-0039	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.81 0.39	
01 56 16 00-0040	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.89 0.39	
01 56 16 00-0041	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.11 0.39	
01 56 16 00-0042	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.24 0.39	
01 56 16 00-0043			Temporary Stud Wall With BC Plywood (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0044	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.51 0.33	
01 56 16 00-0045	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.66 0.33	
01 56 16 00-0046	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.79 0.33	
01 56 16 00-0047	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.91 0.33	
01 56 16 00-0048	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.35 0.39	
01 56 16 00-0049	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.65 0.39	
01 56 16 00-0050	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.90 0.39	
01 56 16 00-0051	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	7.15 0.39	
01 56 16 00-0052			Temporary Stud Wall With Plastic Sheeting (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, 6 Mil plastic sheeting, and removal after use. Excludes paint.		
01 56 16 00-0053	SF		6 Mil Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.51	
01 56 16 00-0054			Temporary Doors (01 56 16 00-0016)		
01 56 16 00-0055	EA		Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	375.33	
01 56 16 00-0056			Temporary Floor Protection (01 56 16)		
01 56 16 00-0057	SF		Masonite For Floor Protection.....	1.29	
01 56 16 00-0058	SF		1/2" Plywood For Floor Protection.....	1.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0059 SF 3/4" Plywood For Floor Protection	1.68	
01 56 16 00-0060 Sticky Mats <small>(01 56 16)</small>		
01 56 16 00-0061 EA 18" x 36", 30 Layer Sticky Mat	26.17	
<i>For 60 Layers Instead Of 30, Add</i>	17.14	
01 56 16 00-0062 EA 18" x 46", 30 Layer Sticky Mat	30.07	
<i>For 60 Layers Instead Of 30, Add</i>	20.06	
01 56 16 00-0063 EA 24" x 36", 30 Layer Sticky Mat	30.07	
<i>For 60 Layers Instead Of 30, Add</i>	20.06	
01 56 16 00-0064 EA 25" x 45", 30 Layer Sticky Mat	40.66	
<i>For 60 Layers Instead Of 30, Add</i>	28.01	
01 56 16 00-0065 EA 26" x 46", 30 Layer Sticky Mat	41.22	
<i>For 60 Layers Instead Of 30, Add</i>	28.43	
01 56 16 00-0066 EA 36" x 36", 30 Layer Sticky Mat	47.35	
<i>For 60 Layers Instead Of 30, Add</i>	33.02	
01 56 16 00-0067 EA 36" x 46", 30 Layer Sticky Mat	52.92	
<i>For 60 Layers Instead Of 30, Add</i>	37.20	
01 56 16 00-0068 EA 36" x 48", 30 Layer Sticky Mat	61.28	
01 56 16 00-0069 EA 36" x 60", 30 Layer Sticky Mat	78.56	
<i>For 60 Layers Instead Of 30, Add</i>	56.43	
01 56 16 00-0070 EA 36" x 72", 30 Layer Sticky Mat	92.49	
01 56 16 00-0071 EA 40" x 48", 30 Layer Sticky Mat	98.06	
01 56 16 00-0072 EA 45" x 50", 30 Layer Sticky Mat	103.63	
<i>For 60 Layers Instead Of 30, Add</i>	95.29	
01 56 16 00-0073 EA 46" x 48", 30 Layer Sticky Mat	87.47	
01 56 16 00-0074 EA 46" x 60", 30 Layer Sticky Mat	95.27	
<i>For 60 Layers Instead Of 30, Add</i>	87.35	
01 56 16 00-0075 EA 60" x 72", 30 Layer Sticky Mat	167.72	
<i>For 60 Layers Instead Of 30, Add</i>	156.18	
01 56 26 Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001 Temporary Fencing <small>(01 56 26)</small>		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0002 Temporary Chain Link Fence <small>(01 56 26 00-0001)</small>		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004 LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	1.35	
<i>For >100 To 250, Deduct</i>	-0.07	
<i>For >250 To 500, Deduct</i>	-0.14	
<i>For >500, Deduct</i>	-0.20	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0005 LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	1.52	
<i>For >100 To 250, Deduct</i>	-0.08	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500, Deduct</i>	-0.23	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0006 LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	2.56	
<i>For >100 To 250, Deduct</i>	-0.13	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500, Deduct</i>	-0.38	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0007 LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	7.62	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.14	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009 LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	1.48	
<i>For >100 To 250, Deduct</i>	-0.07	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500, Deduct</i>	-0.22	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0010 LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	1.67	
<i>For >100 To 250, Deduct</i>	-0.08	
<i>For >250 To 500, Deduct</i>	-0.17	
<i>For >500, Deduct</i>	-0.25	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0011 LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	2.82	
<i>For >100 To 250, Deduct</i>	-0.14	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500, Deduct</i>	-0.42	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0012 LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	8.38	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500, Deduct</i>	-1.26	
<i>For Shade Cloth, Add</i>	4.75	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	1.63	
			<i>For >100 To 250, Deduct</i>	-0.08	
			<i>For >250 To 500, Deduct</i>	-0.16	
			<i>For >500, Deduct</i>	-0.24	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	1.84	
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500, Deduct</i>	-0.28	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	3.10	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500, Deduct</i>	-0.47	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	9.22	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.38	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0018			Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months.....	1.79	
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500, Deduct</i>	-0.27	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months.....	2.01	
			<i>For >100 To 250, Deduct</i>	-0.10	
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500, Deduct</i>	-0.30	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0021	LF		Temporary 8' High Chain Link Fence And Posts, >18 Months.....	3.41	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500, Deduct</i>	-0.51	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0022	LF		Temporary 10' High Chain Link Fence And Posts, >18 Months.....	10.14	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.52	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0023			Temporary Chain Link Fence Gates (01 56 26 00-0001)		
			Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0024			Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025			4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	85.71	
			<i>For Shade Cloth, Add</i>	6.40	
01 56 26 00-0027	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	133.33	
			<i>For Shade Cloth, Add</i>	16.00	
01 56 26 00-0028	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	152.38	
			<i>For Shade Cloth, Add</i>	19.20	
01 56 26 00-0029	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	171.43	
			<i>For Shade Cloth, Add</i>	24.00	
01 56 26 00-0030	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	209.52	
			<i>For Shade Cloth, Add</i>	32.00	
01 56 26 00-0031	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	228.58	
			<i>For Shade Cloth, Add</i>	38.40	
01 56 26 00-0032			6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	89.61	
			<i>For Shade Cloth, Add</i>	10.20	
01 56 26 00-0034	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	139.39	
			<i>For Shade Cloth, Add</i>	25.50	
01 56 26 00-0035	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	159.30	
			<i>For Shade Cloth, Add</i>	30.60	
01 56 26 00-0036	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	179.22	
			<i>For Shade Cloth, Add</i>	38.25	
01 56 26 00-0037	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	219.05	
			<i>For Shade Cloth, Add</i>	51.00	
01 56 26 00-0038	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	238.96	
			<i>For Shade Cloth, Add</i>	61.20	
01 56 26 00-0039			8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	98.57	
			<i>For Shade Cloth, Add</i>	14.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	153.33 36.00	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	175.24 43.20	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	197.14 54.00	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	240.95 72.00	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	262.86 86.40	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	123.21 19.00	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	191.67 47.50	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	219.05 57.00	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	246.43 71.25	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	301.19 95.00	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Shade Cloth, Add</i>	328.57 114.00	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	90.00 6.40	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	140.00 16.00	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	160.00 19.20	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	180.00 24.00	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	220.00 32.00	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	240.00 38.40	
01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	94.09 10.20	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	146.36 25.50	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	167.27 30.60	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	188.19 38.25	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	230.00 51.00	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	250.91 61.20	
01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	103.50 14.40	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	161.00 36.00	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	184.00 43.20	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	207.00 54.00	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	253.00 72.00	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	276.00 86.40	
01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	129.38 19.00	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	201.25 47.50	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	230.00 57.00	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	258.75 71.25	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	316.25	
For Shade Cloth, Add	95.00	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	345.00	
For Shade Cloth, Add	114.00	
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	94.50	
For Shade Cloth, Add	6.40	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	147.00	
For Shade Cloth, Add	16.00	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	168.00	
For Shade Cloth, Add	19.20	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	189.00	
For Shade Cloth, Add	24.00	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	230.99	
For Shade Cloth, Add	32.00	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	252.01	
For Shade Cloth, Add	38.40	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	98.80	
For Shade Cloth, Add	10.20	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	153.68	
For Shade Cloth, Add	25.50	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	175.63	
For Shade Cloth, Add	30.60	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	197.60	
For Shade Cloth, Add	38.25	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	241.50	
For Shade Cloth, Add	51.00	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	263.45	
For Shade Cloth, Add	61.20	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	108.68	
For Shade Cloth, Add	14.40	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	169.05	
For Shade Cloth, Add	36.00	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	193.20	
For Shade Cloth, Add	43.20	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	217.35	
For Shade Cloth, Add	54.00	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	265.65	
For Shade Cloth, Add	72.00	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	289.80	
For Shade Cloth, Add	86.40	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	135.84	
For Shade Cloth, Add	19.00	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	211.31	
For Shade Cloth, Add	47.50	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	241.50	
For Shade Cloth, Add	57.00	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	271.69	
For Shade Cloth, Add	71.25	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	332.06	
For Shade Cloth, Add	95.00	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	362.25	
For Shade Cloth, Add	114.00	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	99.00	
For Shade Cloth, Add	6.40	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	154.00	
For Shade Cloth, Add	16.00	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	176.00	
For Shade Cloth, Add	19.20	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	198.00	
For Shade Cloth, Add	24.00	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	241.99	
For Shade Cloth, Add	32.00	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	264.01	
For Shade Cloth, Add	38.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	103.50	
<i>For Shade Cloth, Add</i>	10.20	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	161.00	
<i>For Shade Cloth, Add</i>	25.50	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	183.99	
<i>For Shade Cloth, Add</i>	30.60	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	207.00	
<i>For Shade Cloth, Add</i>	38.25	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	253.00	
<i>For Shade Cloth, Add</i>	51.00	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	276.00	
<i>For Shade Cloth, Add</i>	61.20	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	113.85	
<i>For Shade Cloth, Add</i>	14.40	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	177.10	
<i>For Shade Cloth, Add</i>	36.00	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	202.40	
<i>For Shade Cloth, Add</i>	43.20	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	227.70	
<i>For Shade Cloth, Add</i>	54.00	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	278.30	
<i>For Shade Cloth, Add</i>	72.00	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	303.60	
<i>For Shade Cloth, Add</i>	86.40	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	142.31	
<i>For Shade Cloth, Add</i>	19.00	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	221.38	
<i>For Shade Cloth, Add</i>	47.50	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	253.00	
<i>For Shade Cloth, Add</i>	57.00	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	284.62	
<i>For Shade Cloth, Add</i>	71.25	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	347.88	
<i>For Shade Cloth, Add</i>	95.00	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	379.50	
<i>For Shade Cloth, Add</i>	114.00	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) <small>(01 56 26 00-0001)</small>		
<i>Note: Includes set-up and removal. Excludes sandbags.</i>		
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	1.61	
<i>For >100 To 250, Deduct</i>	-0.08	
<i>For >250 To 500, Deduct</i>	-0.16	
<i>For >500, Deduct</i>	-0.24	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	1.81	
<i>For >100 To 250, Deduct</i>	-0.09	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500, Deduct</i>	-0.27	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	2.91	
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.29	
<i>For >500, Deduct</i>	-0.44	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	1.75	
<i>For >100 To 250, Deduct</i>	-0.09	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500, Deduct</i>	-0.26	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	1.96	
<i>For >100 To 250, Deduct</i>	-0.10	
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500, Deduct</i>	-0.29	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	3.16	
<i>For >100 To 250, Deduct</i>	-0.16	
<i>For >250 To 500, Deduct</i>	-0.32	
<i>For >500, Deduct</i>	-0.47	
<i>For Shade Cloth, Add</i>	3.60	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 26 00-0149	Temporary Chain Link Fence Panels (Portable), >12 To 18 Months <small>(01 56 26 00-0140)</small>	1.89
01 56 26 00-0150	LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	1.89
	For >100 To 250, Deduct	-0.09
	For >250 To 500, Deduct	-0.19
	For >500, Deduct	-0.28
	For Shade Cloth, Add	1.60
01 56 26 00-0151	LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	2.13
	For >100 To 250, Deduct	-0.11
	For >250 To 500, Deduct	-0.21
	For >500, Deduct	-0.32
	For Shade Cloth, Add	2.55
01 56 26 00-0152	LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	3.45
	For >100 To 250, Deduct	-0.17
	For >250 To 500, Deduct	-0.35
	For >500, Deduct	-0.52
	For Shade Cloth, Add	3.60
01 56 26 00-0153	Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>	2.06
01 56 26 00-0154	LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	2.06
	For >100 To 250, Deduct	-0.10
	For >250 To 500, Deduct	-0.21
	For >500, Deduct	-0.31
	For Shade Cloth, Add	1.60
01 56 26 00-0155	LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	2.30
	For >100 To 250, Deduct	-0.12
	For >250 To 500, Deduct	-0.23
	For >500, Deduct	-0.35
	For Shade Cloth, Add	2.55
01 56 26 00-0156	LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	3.75
	For >100 To 250, Deduct	-0.19
	For >250 To 500, Deduct	-0.38
	For >500, Deduct	-0.56
	For Shade Cloth, Add	3.60
01 56 26 00-0157	Temporary Chain Link Fence Panels (Portable) Sandbags <small>(01 56 26 00-0140)</small>	5.10
01 56 26 00-0158	BAG Temporary Chain Link Fence Panels (Portable) Sandbag	5.10
	Note: Includes placement and removal.	
01 56 26 00-0159	Relocate Chain Link Fence, Gates And Panels <small>(01 56 26 00-0001)</small>	
	Note: Excludes auguring/drilling for posts.	
01 56 26 00-0160	Relocate Temporary Chain Link Fence On Site <small>(01 56 26 00-0159)</small>	
01 56 26 00-0161	LF Relocate Temporary 4' High Chain Link Fence And Posts	2.13
01 56 26 00-0162	LF Relocate Temporary 6' High Chain Link Fence And Posts	3.19
01 56 26 00-0163	LF Relocate Temporary 8' High Chain Link Fence And Posts	4.60
01 56 26 00-0164	LF Relocate Temporary 10' High Chain Link Fence And Posts	5.66
01 56 26 00-0165	Relocate Temporary Chain Link Fence Panels On Site <small>(01 56 26 00-0159)</small>	
01 56 26 00-0166	LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.66
01 56 26 00-0167	LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.80
01 56 26 00-0168	LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.89
01 56 26 00-0169	Relocate Temporary Chain Link Gates On Site <small>(01 56 26 00-0159)</small>	
01 56 26 00-0170	EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	86.42
01 56 26 00-0171	EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	99.72
01 56 26 00-0172	EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	122.99
01 56 26 00-0173	EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	132.96
01 56 29	Temporary Protective Walkways <small>(01 56)</small>	
01 56 29 00-0001	Temporary Walkways And Railings <small>(01 56 29)</small>	
01 56 29 00-0002	LF Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway	8.58
	Note: Excludes walkway.	
01 56 29 00-0003	SF Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers	4.26
01 56 29 00-0004	RSR Temporary Stairs On 2 x 12 Stringers (Cost Per Riser)	14.91
01 56 29 00-0005	Safety Nets <small>(01 56 29)</small>	
01 56 29 00-0006	SF Small Mesh Debris Netting	1.31
	Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 33 Temporary Security Barriers (01 56)		
01 56 33 00-0001 Temporary Fiberglass Panels (01 56 33)		
01 56 33 00-0002 SF Prefabricated Fiberglass Panels.....	1.34	
01 56 33 00-0003 Temporary Safety Fence (01 56 33)		
Note: Includes removal after use.		
01 56 33 00-0004 LF Temporary Safety Fence, Plastic Mesh, 48" High With Posts At 8' On Center.....	2.31	
01 56 33 00-0005 Temporary Safety Guardrail (01 56 33)		
Note: Includes removal after use.		
01 56 33 00-0006 LF 42" High Temporary Safety Guardrail.....	22.29	
Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots.		
For Concrete Substrate, Add		
	1.28	
01 56 33 00-0007 Board-up Opening With Plywood (01 56 33)		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0008 OPN Remove Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	9.97	
01 56 33 00-0009 SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	5.61	
01 56 33 00-0010 SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	6.50	
01 56 33 00-0011 Street Barricade (01 56 33)		
01 56 33 00-0012 LF Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	7.63	
01 56 39 Temporary Tree And Plant Protection (01 56)		
01 56 39 00-0001 Temporary Tree Guards (01 56 39)		
Note: Includes digging holes and removal.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	130.21	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	150.55	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	162.78	
01 58 Project Identification (01 50)		
Note: Includes removal after use.		
01 58 13 Temporary Project Signage (01 58)		
01 58 13 00-0001 Project Sign (01 58 13)		
01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)		
Note: Excludes posts.		
01 58 13 00-0003 ReflectORIZED, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0004 Engineer Grade, ReflectORIZED, MDO Plywood Signs (01 58 13 00-0003)		
01 58 13 00-0005 EA Up To 8 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	96.56	18.28
For High-Intensity Grade, Add		
	21.00	
For Diamond Grade, Add		
	40.49	
01 58 13 00-0006 EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	158.22	19.11
For High-Intensity Grade, Add		
	41.99	
For Diamond Grade, Add		
	80.99	
01 58 13 00-0007 EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	219.87	19.95
For High-Intensity Grade, Add		
	62.99	
For Diamond Grade, Add		
	121.49	
01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	281.53	20.78
For High-Intensity Grade, Add		
	83.99	
For Diamond Grade, Add		
	161.98	
01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	8.83	0.66
For High-Intensity Grade, Add		
	2.63	
For Diamond Grade, Add		
	5.06	
01 58 13 00-0010 Non-ReflectORIZED, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0011 One Or Two Color Design, Non-ReflectORIZED, MDO Plywood Signs (01 58 13 00-0010)		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign.....	117.96	18.28
01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	139.06	19.11
01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	171.69	19.95
01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	202.55	20.78
01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign.....	6.36	0.66
01 58 13 00-0017 Full Color Design, Non-ReflectORIZED, MDO Plywood Signs (01 58 13 00-0010)		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign.....	120.25	18.28

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 58	Project Identification



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	151.41	19.11
01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	184.25	19.95
01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	213.31	20.78
01 58 13 00-0022 SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	6.70	0.66
01 58 13 00-0023 Fabricate And Install New Posts <small>(01 58 13 00-0001)</small>		
<small>Note: Includes excavation, backfill and compaction. Excludes core drilling.</small>		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts.....	9.87	
01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts	8.04	
01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts	9.44	
01 58 13 00-0027 Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028 EA Install And Remove Owner Supplied Project Sign.....	66.49	

01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Material Handling (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'. To be used for moving of existing material, owner supplied material or as directed by the owner.

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

01 66 19 00-0002 CY Moving Material Via Stairs, Per CY Of Material Per Floor.....	7.31
<small>Note: Quantity equals material volume times number of floors traveled.</small>	
01 66 19 00-0003 CY Moving Material Via Elevator, Per CY Of Material	4.38
<small>Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.</small>	

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

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

01 66 19 00-0005 SF Remove, Transport, Return And Reinstall Office Furniture.....	0.83
<small>Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.</small>	

01 66 19 00-0006 Material Handling For Distances Greater Than 125' (01 66 19)

01 66 19 00-0007 CY Handling Material For Over 125' Per CY Of Material Per 125'	3.46
<small>Note: For delivery, demo or miscellaneous moving required by owner.</small>	

01 66 19 00-0008 Rubbish Handling Between Floors (01 66 19)

Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.

01 66 19 00-0009 CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor.....	6.65
<small>Note: Quantity equals material volume times bulk factor times number of floors traveled.</small>	
01 66 19 00-0010 CY Rubbish Handling Via Elevator, Per CY Of Material	3.98
<small>Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.</small>	

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Excludes flagman for traffic control where necessary.

01 71 13 00-0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	201.32
<small>Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.</small>	
01 71 13 00-0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....	402.63
<small>Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.</small>	

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	260.40	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	65.10	
For >60 To 100 Miles Radius, Add	104.16	
01 71 13 00-0006 EA 20 To 30 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	374.98	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	93.75	
For >60 To 100 Miles Radius, Add	149.99	
01 71 13 00-0007 EA 40 To 50 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	499.97	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	124.99	
For >60 To 100 Miles Radius, Add	199.99	
01 71 13 00-0008 EA 70 To 100 Ton Lift Move On/Off Cost, Truck Mounted Crane	812.45	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	203.11	
For >60 To 100 Miles Radius, Add	324.98	
01 71 13 00-0009 EA 75 Ton Lift Move On/Off Cost, Mechanical Crane	641.63	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	160.41	
For >60 To 100 Miles Radius, Add	256.65	
01 71 13 00-0010 EA 100 Ton Lift Move On/Off Cost, Mechanical Crane	1,041.60	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	260.40	
For >60 To 100 Miles Radius, Add	416.64	
01 71 13 00-0011 EA 125 Ton Lift Move On/Off Cost, Mechanical Crane	1,291.58	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	322.90	
For >60 To 100 Miles Radius, Add	516.63	
01 71 13 00-0012 EA 150 Ton Lift Move On/Off Cost, Mechanical Crane	1,604.06	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	401.02	
For >60 To 100 Miles Radius, Add	641.62	
01 71 13 00-0013 EA 250 Ton Lift Move On/Off Cost, Mechanical Crane	2,916.48	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	729.12	
For >60 To 100 Miles Radius, Add	1,166.59	
01 71 13 00-0014 EA 300 Ton Lift Move On/Off Cost, Mechanical Crane	4,166.40	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	1,041.60	
For >60 To 100 Miles Radius, Add	1,666.56	
01 71 13 00-0015 EA 500 Ton Lift Move On/Off Cost, Mechanical Crane	6,249.60	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	1,562.40	
For >60 To 100 Miles Radius, Add	2,499.84	

01 71 23 Field Engineering (01 71)

01 71 23 16 Construction Surveying (01 71 23)

01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002 ACR Survey Clear Area With Few To No Obstacles.....	735.83
01 71 23 16-0003 ACR Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	2,098.06
01 71 23 16-0004 ACR Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	3,008.89
01 71 23 16-0005 ACR Survey Developed Areas With Several Structures (25-65% Buildings)	4,556.37
01 71 23 16-0006 ACR Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	5,716.43

01 71 23 16-0007 Property Lines Survey (01 71 23 16)

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008 LF Survey Property Lines On Cleared Land	1.73
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land	2.01
01 71 23 16-0010 LF Survey Property Lines On Wooded Land	2.36

01 71 23 16-0011 Survey Monument (01 71 23 16)

01 71 23 16-0012 EA 3' Precast Survey Monument.....	114.39
For Owner Furnished Monument, Deduct	-49.07

01 71 23 16-0013 Facade Surveying (01 71 23 16)

01 71 23 16-0014 LF Facade Survey And Reports (LF Of Facade x Number Of Floors)	4.75
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01 71 23 16-0015 Utility Survey (01 71 23 16)

Note: This survey is only for the location of underground utilities.

01 71 23 16-0016 ACR Survey Clear Area For Underground Utilities.....	3,942.04
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01 71 36 Non-Destructive Concrete Examination (01 71)

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 36 00-0001	X-Ray And Electromagnetic Survey <small>(01 71 36)</small> Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.	
01 71 36 00-0002	X-Ray Or Electromagnetic Survey Minimum Set-Up Charge <small>(01 71 36 00-0001)</small>	
01 71 36 00-0003	EA X-Ray Or Electromagnetic Survey Minimum Set-Up Charge .....610.31 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
01 71 36 00-0004	X-Ray Survey <small>(01 71 36 00-0001)</small>	
01 71 36 00-0005	EA X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt.....133.64 <i>For >8 To 25, Deduct</i> -31.25	
01 71 36 00-0006	Electromagnetic (SIR/GPR) Survey <small>(01 71 36 00-0001)</small>	
01 71 36 00-0007	EA Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....267.28 <i>For >5 To 20, Deduct</i> -106.91	
01 71 36 00-0008	EA Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt .....534.55	
01 71 36 00-0009	SF Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt.....1.07	

01 74 Cleaning And Waste Management (01 70)

01 74 13	Progress Cleaning <small>(01 74)</small> Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.	
01 74 13 00-0001	General <small>(01 74 13)</small>	
01 74 13 00-0002	CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent 16.64	
01 74 13 00-0003	CY Collect Existing Debris And Load Into Truck Or Dumpster .....19.49 Note: Per CY of debris removed.	
01 74 16	Site Maintenance <small>(01 74)</small>	
01 74 16 00-0001	Parking Lot, Roads And Pathway Maintenance <small>(01 74 16)</small> Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.	
01 74 16 00-0002	Parking Lot, Road, And Street Sweeping <small>(01 74 16 00-0001)</small>	
01 74 16 00-0003	MSF Sweep Parking Lot, With Street Sweeper 14.72	
01 74 16 00-0004	MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads .....17.65	
01 74 16 00-0005	MSF Sweep Runway, With Street Sweep .....22.07	

01 74 19 Construction Waste Management And Disposal (01 74)

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

01 74 19 00-0001	Debris Chutes <small>(01 74 19)</small> Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.	
01 74 19 00-0002	Steel Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0003	LF 18" Diameter, Steel Temporary Debris Chute .....22.92	
01 74 19 00-0004	LF 30" Diameter, Steel Temporary Debris Chute .....34.34	
01 74 19 00-0005	Plastic Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0006	LF 24" Diameter, Plastic Temporary Debris Chute .....9.07 <i>For Steel Liner, Add</i> 1.74	
01 74 19 00-0007	LF 30" Diameter, Plastic Temporary Debris Chute .....10.38 <i>For Steel Liner, Add</i> 1.99	
01 74 19 00-0008	LF 36" Diameter, Plastic Temporary Debris Chute .....11.70 <i>For Steel Liner, Add</i> 2.25	
01 74 19 00-0009	Wood Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0010	LF 4' x 4', Wood Temporary Debris Chute .....17.35 Note: Includes fabrication and installation.	
01 74 19 00-0011	Construction Dumpsters Rental <small>(01 74 19)</small> Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.	
01 74 19 00-0012	EA 6 CY Dumpster (1 Ton) "Construction Debris" .....278.83 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i> 42.00	



General Requirements	01	10
Execution And Closeout Requirements	01 70	
Cleaning And Waste Management	01 74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0013 EA 10 CY Dumpster (1.5 Ton) "Construction Debris".....	310.69	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	42.00	
01 74 19 00-0014 EA 15 CY Dumpster (2 Ton) "Construction Debris".....	309.21	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	42.00	
01 74 19 00-0015 EA 20 CY Dumpster (3 Ton) "Construction Debris".....	419.60	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	42.00	
01 74 19 00-0016 EA 30 CY Dumpster (4 Ton) "Construction Debris".....	477.99	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	42.00	
01 74 19 00-0017 EA 40 CY Dumpster (5 Ton) "Construction Debris".....	578.41	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	42.00	
01 74 19 00-0018 Concrete Washout Service (01 74 19)		
01 74 19 00-0019 MO Rampless Concrete Washout Bin.....	361.10	
Note: Includes delivery.		
01 74 19 00-0020 MO Ramped Concrete Washout Bin.....	433.32	
Note: Includes delivery.		
01 74 19 00-0021 EA Interim Vacuum Service, Concrete Washout Bin.....	300.00	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0022 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	650.00	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0023 Debris Processing Fee (01 74 19)		
01 74 19 00-0024 Recycler Fees (01 74 19 00-0023)		
Note: Excludes hauling.		
01 74 19 00-0025 TRK Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, Clean (Semi-Truck Load).....	203.21	
01 74 19 00-0026 TRK Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, With Metal And Rebar.....	209.67	
01 74 19 00-0027 Landfill Dump Fees (01 74 19 00-0023)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0035 for hauling.		
01 74 19 00-0028 CY Traditional Building Construction Materials Landfill Dump Fee.....	9.64	
01 74 19 00-0029 CY Trees, Stumps And Brush, Landfill Dump Fee.....	11.60	
01 74 19 00-0030 CY Rubbish Landfill Dump Fee.....	9.46	
01 74 19 00-0031 CY Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee.....	27.66	
01 74 19 00-0032 CY Excavated Dirt Landfill Dump Fee.....	9.28	
01 74 19 00-0033 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee.....	19.66	
01 74 19 00-0034 TON Traditional Building Construction Materials, Landfill Dump Fee.....	42.00	
01 74 19 00-0035 Hauling (01 74 19)		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0036 CYM Hauling On Paved Roads, First 15 Miles.....	0.89	
01 74 19 00-0037 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.67	
01 74 19 00-0038 CYM Hauling On Unimproved Roads, First 15 Miles.....	1.22	
01 74 19 00-0039 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.01	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Glass (01 74 23)		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	21.76	

END OF SECTION 01

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



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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

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

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

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

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

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling And Sampling ^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001		Auger Borings ^(02 32 13)		
02 32 13 00-0002	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals		22.20
02 32 13 00-0003		Cased Borings In Earth, With Samples ^(02 32 13)		
		Note: All types of soils.		
02 32 13 00-0004	LF	2-1/2" Diameter Cased Borings In Earth, With Samples		31.65
02 32 13 00-0005	LF	4" Diameter Cased Borings In Earth, With Samples		34.68
02 32 13 00-0006		Drilling In Rock, AW Core (1.25") ^(02 32 13)		
02 32 13 00-0007	LF	Drill In Rock, AW Core		65.03
		Note: Includes sampling.		
02 32 13 00-0008	EA	Drill In Rock, With AW Core Boxes		5.53
02 32 13 00-0009		Drilling In Rock, BW Core (2.125") ^(02 32 13)		
02 32 13 00-0010	LF	Drill In Rock, BW Core		69.90
		Note: Includes sampling.		
02 32 13 00-0011	LF	Drill In Rock, BW Core, With Casing		75.55
		Note: Includes sampling.		
02 32 13 00-0012	EA	Drill In Rock, With BW Core Boxes		5.53
02 32 13 00-0013		Drilling In Rock, NW Core (2.98") ^(02 32 13)		
02 32 13 00-0014	LF	Drill In Rock, NW Core		77.55
		Note: Includes sampling.		
02 32 13 00-0015	LF	Drill In Rock, NW Core, With Casing		84.15
		Note: Includes sampling.		
02 32 13 00-0016	EA	Drill In Rock, With NW Core Boxes		6.37
02 32 13 00-0017		Test Pits For Boring Activities ^(02 32 13)		
		Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.		
02 32 13 00-0018		Backhoe Dug Test Pits ^(02 32 13 00-0017)		
02 32 13 00-0019	CY	Excavation For Test Pit, Light Material, Backhoe Excavation		47.67
02 32 13 00-0020	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation		55.60
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation		74.14
02 32 13 00-0022		Hand-Dug Test Pits ^(02 32 13 00-0017)		
02 32 13 00-0023	CY	Excavation For Test Pit, Light Soil, Hand Excavation		147.74
02 32 13 00-0024	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation		265.92
02 32 13 00-0025		Shelby Tube Sampling ^(02 32 13)		
02 32 13 00-0026	EA	Shelby Tube Sampling		26.20
02 32 13 00-0027	EA	Penetration Test		21.35

02 40 Demolition And Structure Moving ⁽⁰²⁾

02 41 Demolition ^(02 40)

02 41 13 Selective Site Demolition ^(02 41)

02 41 13 13 Paving Removal ^(02 41 13)

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 13 13-0001	By Machine, Break-up And Leave In Place Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.	
02 41 13 13-0002	SY Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving.....	4.95
	For >500 To 1,000, Deduct	-0.50
	For >1,000 To 2,500, Deduct	-0.89
	For >2,500 To 5,000, Deduct	-1.29
	For >5,000 To 10,000, Deduct	-1.68
	For >10,000, Deduct	-2.08
02 41 13 13-0003	SY >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving.....	7.42
	For >500 To 1,000, Deduct	-0.74
	For >1,000 To 2,500, Deduct	-1.34
	For >2,500 To 5,000, Deduct	-1.93
	For >5,000 To 10,000, Deduct	-2.52
	For >10,000, Deduct	-3.12
02 41 13 13-0004	SY >6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving.....	9.89
	For >500 To 1,000, Deduct	-0.99
	For >1,000 To 2,500, Deduct	-1.78
	For >2,500 To 5,000, Deduct	-2.57
	For >5,000 To 10,000, Deduct	-3.36
	For >10,000, Deduct	-4.15
02 41 13 13-0005	SY Up To 3" By Machine, Break-up And Leave In Place Concrete Paving.....	8.92
	For >500 To 1,000, Deduct	-0.89
	For >1,000 To 2,500, Deduct	-1.61
	For >2,500 To 5,000, Deduct	-2.32
	For >5,000 To 10,000, Deduct	-3.03
	For >10,000, Deduct	-3.75
02 41 13 13-0006	SY >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving.....	12.59
	For >500 To 1,000, Deduct	-1.26
	For >1,000 To 2,500, Deduct	-2.27
	For >2,500 To 5,000, Deduct	-3.27
	For >5,000 To 10,000, Deduct	-4.28
	For >10,000, Deduct	-5.29
02 41 13 13-0007	SY >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving.....	17.84
	For >500 To 1,000, Deduct	-1.78
	For >1,000 To 2,500, Deduct	-3.21
	For >2,500 To 5,000, Deduct	-4.64
	For >5,000 To 10,000, Deduct	-6.07
	For >10,000, Deduct	-7.49
02 41 13 13-0008	SY >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	25.19
	For >500 To 1,000, Deduct	-2.52
	For >1,000 To 2,500, Deduct	-4.53
	For >2,500 To 5,000, Deduct	-6.55
	For >5,000 To 10,000, Deduct	-8.56
	For >10,000, Deduct	-10.58
02 41 13 13-0009	SY >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	32.94
	For >500 To 1,000, Deduct	-3.29
	For >1,000 To 2,500, Deduct	-5.93
	For >2,500 To 5,000, Deduct	-8.56
	For >5,000 To 10,000, Deduct	-11.20
	For >10,000, Deduct	-13.83
02 41 13 13-0010	SY >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	42.83
	For >500 To 1,000, Deduct	-4.28
	For >1,000 To 2,500, Deduct	-7.71
	For >2,500 To 5,000, Deduct	-11.14
	For >5,000 To 10,000, Deduct	-14.56
	For >10,000, Deduct	-17.99

02 41 13 13-0011	By Hand, Break-up And Leave In Place Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.	
02 41 13 13-0012	SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.28
02 41 13 13-0013	SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.62
02 41 13 13-0014	SF >6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving.....	2.15
02 41 13 13-0015	SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving.....	1.60
02 41 13 13-0016	SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving.....	2.04
02 41 13 13-0017	SF Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up.....	2.68

02 41 13 13-0018	By Machine, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019	SY			Up To 3" By Machine, Break-up And Remove Bituminous Paving	9.96	
				<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	2.99	
				<i>Note: (Around Existing Structures And Obstructions), Add</i>		
				<i>For Elevated Slab, Add</i>	4.98	
				<i>For >500 To 1,000, Deduct</i>	-1.00	
				<i>For >1,000 To 2,500, Deduct</i>	-1.79	
				<i>For >2,500 To 5,000, Deduct</i>	-2.59	
				<i>For >5,000 To 10,000, Deduct</i>	-3.39	
				<i>For >10,000, Deduct</i>	-4.18	
02 41 13 13-0020	SY			>3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	13.59	
				<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	4.08	
				<i>Note: (Around Existing Structures And Obstructions), Add</i>		
				<i>For Elevated Slab, Add</i>	6.80	
				<i>For >500 To 1,000, Deduct</i>	-1.36	
				<i>For >1,000 To 2,500, Deduct</i>	-2.45	
				<i>For >2,500 To 5,000, Deduct</i>	-3.53	
				<i>For >5,000 To 10,000, Deduct</i>	-4.62	
				<i>For >10,000, Deduct</i>	-5.71	
02 41 13 13-0021	SY			Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	11.46	
				<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	3.44	
				<i>Note: (Around Existing Structures And Obstructions), Add</i>		
				<i>For Elevated Slab, Add</i>	5.73	
				<i>For >500 To 1,000, Deduct</i>	-1.15	
				<i>For >1,000 To 2,500, Deduct</i>	-2.06	
				<i>For >2,500 To 5,000, Deduct</i>	-2.98	
				<i>For >5,000 To 10,000, Deduct</i>	-3.90	
				<i>For >10,000, Deduct</i>	-4.81	
02 41 13 13-0022	SY			>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	14.99	
				<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	4.50	
				<i>Note: (Around Existing Structures And Obstructions), Add</i>		
				<i>For Elevated Slab, Add</i>	7.50	
				<i>For >500 To 1,000, Deduct</i>	-1.50	
				<i>For >1,000 To 2,500, Deduct</i>	-2.70	
				<i>For >2,500 To 5,000, Deduct</i>	-3.90	
				<i>For >5,000 To 10,000, Deduct</i>	-5.10	
				<i>For >10,000, Deduct</i>	-6.30	
02 41 13 13-0023	SY			Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	15.20	
				<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	4.56	
				<i>Note: (Around Existing Structures And Obstructions), Add</i>		
				<i>For Elevated Slab, Add</i>	7.60	
				<i>For >500 To 1,000, Deduct</i>	-1.52	
				<i>For >1,000 To 2,500, Deduct</i>	-2.74	
				<i>For >2,500 To 5,000, Deduct</i>	-3.95	
				<i>For >5,000 To 10,000, Deduct</i>	-5.17	
				<i>For >10,000, Deduct</i>	-6.38	
02 41 13 13-0024	SY			>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	19.70	
				<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	5.91	
				<i>Note: (Around Existing Structures And Obstructions), Add</i>		
				<i>For Elevated Slab, Add</i>	9.85	
				<i>For >500 To 1,000, Deduct</i>	-1.97	
				<i>For >1,000 To 2,500, Deduct</i>	-3.55	
				<i>For >2,500 To 5,000, Deduct</i>	-5.12	
				<i>For >5,000 To 10,000, Deduct</i>	-6.70	
				<i>For >10,000, Deduct</i>	-8.27	
02 41 13 13-0025	SY			>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	32.65	
				<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	9.80	
				<i>Note: (Around Existing Structures And Obstructions), Add</i>		
				<i>For Elevated Slab, Add</i>	16.33	
				<i>For >500 To 1,000, Deduct</i>	-3.27	
				<i>For >1,000 To 2,500, Deduct</i>	-5.88	
				<i>For >2,500 To 5,000, Deduct</i>	-8.49	
				<i>For >5,000 To 10,000, Deduct</i>	-11.10	
				<i>For >10,000, Deduct</i>	-13.71	
02 41 13 13-0026	SY			Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	16.49	
				<i>For Elevated Slab, Add</i>	8.25	
				<i>For >500 To 1,000, Deduct</i>	-1.65	
				<i>For >1,000 To 2,500, Deduct</i>	-2.97	
				<i>For >2,500 To 5,000, Deduct</i>	-4.29	
				<i>For >5,000 To 10,000, Deduct</i>	-5.61	
				<i>For >10,000, Deduct</i>	-6.93	
02 41 13 13-0027	SY			>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	21.20	
				<i>For Elevated Slab, Add</i>	10.60	
				<i>For >500 To 1,000, Deduct</i>	-2.12	
				<i>For >1,000 To 2,500, Deduct</i>	-3.82	
				<i>For >2,500 To 5,000, Deduct</i>	-5.51	
				<i>For >5,000 To 10,000, Deduct</i>	-7.21	
				<i>For >10,000, Deduct</i>	-8.90	
02 41 13 13-0028	SY			>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	37.90	
				<i>For Elevated Slab, Add</i>	18.95	
				<i>For >500 To 1,000, Deduct</i>	-3.79	
				<i>For >1,000 To 2,500, Deduct</i>	-6.82	
				<i>For >2,500 To 5,000, Deduct</i>	-9.85	
				<i>For >5,000 To 10,000, Deduct</i>	-12.89	
				<i>For >10,000, Deduct</i>	-15.92	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0029	SY		>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	49.46	
			For Elevated Slab, Add	24.73	
			For >500 To 1,000, Deduct	-4.95	
			For >1,000 To 2,500, Deduct	-8.90	
			For >2,500 To 5,000, Deduct	-12.86	
			For >5,000 To 10,000, Deduct	-16.82	
			For >10,000, Deduct	-20.77	
02 41 13 13-0030	SY		>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	64.66	
			For Elevated Slab, Add	32.33	
			For >500 To 1,000, Deduct	-6.47	
			For >1,000 To 2,500, Deduct	-11.64	
			For >2,500 To 5,000, Deduct	-16.81	
			For >5,000 To 10,000, Deduct	-21.98	
			For >10,000, Deduct	-27.16	
02 41 13 13-0031	SY		>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	78.48	
			For Elevated Slab, Add	39.24	
			For >500 To 1,000, Deduct	-7.85	
			For >1,000 To 2,500, Deduct	-14.13	
			For >2,500 To 5,000, Deduct	-20.40	
			For >5,000 To 10,000, Deduct	-26.68	
			For >10,000, Deduct	-32.96	
02 41 13 13-0032			By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0033	SF		Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	2.85	
02 41 13 13-0034	SF		>3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	3.75	
02 41 13 13-0035	SF		>6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	4.87	
02 41 13 13-0036	SF		Up To 3" By Hand, Break-up And Remove Concrete Paving.....	3.56	
02 41 13 13-0037	SF		>3" To 6" By Hand, Break-up And Remove Concrete Paving.....	4.92	
02 41 13 13-0038	SF		>6" To 8" By Hand, Break-up And Remove Concrete Paving.....	6.30	
02 41 13 13-0039			Grind Concrete (02 41 13 13) Note: For each location up to 5' wide, feather up to 12" each direction.		
02 41 13 13-0040	EA		Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	119.48	
			For >1/2" To 1" Depth Of Grinding, Add	17.92	
			For >1" To 1-1/2" Depth Of Grinding, Add	29.87	
			For Up To 5, Add	23.90	
			For >5 To 10, Add	11.95	
			For >25 To 50, Deduct	-11.95	
			For >50 To 250, Deduct	-17.92	
			For >250, Deduct	-23.90	
			For Sidewalks >5', Add	11.95	
			For Up To 12" Additional Feathering Per Side, Add	11.95	
02 41 16			Structure Demolition (02 41)		
02 41 16 13			Building Demolition (02 41 16)		
02 41 16 13-0001			Building Interior (02 41 16 13) Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panelboards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002	GSF		Residential Building Interior, Gutting And Disposal Into Dumpster Or Truck.....	5.91	
02 41 16 13-0003	GSF		Commercial Building Interior Up To 2,000 SF, Gutting And Disposal Into Dumpster Or Truck.....	8.92	
02 41 16 13-0004	GSF		Commercial Building Interior >2,000 To 10,000 SF, Gutting And Disposal Into Dumpster Or Truck.....	7.31	
02 41 16 13-0005	GSF		Commercial Building Interior >10,000 SF, Gutting And Disposal Into Dumpster Or Truck.....	6.49	
02 41 16 13-0006			Demolition - Removal Of Commercial And Residential Structures (02 41 16 13) Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, cleanup and work, site paving and concrete, recycling fees, gutting/soft stripping of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
02 41 16 13-0007			Steel Framed Building Demolition (02 41 16 13-0006) Note: Includes masonry partitions and concrete decks.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0008 CCF Demo Steel Framed Building With Pneumatic Tools/Hand Remove Building.....	53.28	
<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-4.00	
<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-7.99	
<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-11.99	
<i>For Up To 500, Add</i>	15.98	
<i>For >500 To 1,000, Add</i>	10.66	
<i>For >1,000 To 2,000, Add</i>	5.33	
<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	17.58	
<i>For No Interior Partitions, Deduct</i>	-13.32	
02 41 16 13-0009 CCF Demo Steel Framed Building By Machine Remove Building	32.35	
<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-2.43	
<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-4.85	
<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-7.28	
<i>For Up To 500, Add</i>	9.71	
<i>For >500 To 1,000, Add</i>	6.47	
<i>For >1,000 To 2,000, Add</i>	3.24	
<i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i>	4.85	
<i>For Work >6 Stories To 10 Stories (Exclude Volume Below), Add</i>	8.09	
<i>For Work >10 Stories To 15 Stories (Exclude Volume Below), Add</i>	11.32	
<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	10.68	
<i>For No Interior Partitions, Deduct</i>	-8.09	
02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)		
02 41 16 13-0011 CCF Demo Reinforced Concrete Building With Pneumatic Tools/Hand Remove Building	66.86	
<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-5.01	
<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-10.03	
<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-15.04	
<i>For Up To 500, Add</i>	20.06	
<i>For >500 To 1,000, Add</i>	13.37	
<i>For >1,000 To 2,000, Add</i>	6.69	
<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	22.06	
<i>For No Interior Partitions, Deduct</i>	-16.72	
02 41 16 13-0012 CCF Demo Reinforced Concrete Building By Machine Remove Building	42.71	
<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-3.20	
<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-6.41	
<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-9.61	
<i>For Up To 500, Add</i>	12.81	
<i>For >500 To 1,000, Add</i>	8.54	
<i>For >1,000 To 2,000, Add</i>	4.27	
<i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i>	6.41	
<i>For Work >6 Stories To 10 Stories (Exclude Volume Below), Add</i>	10.68	
<i>For Work >10 Stories To 15 Stories (Exclude Volume Below), Add</i>	14.95	
<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	14.09	
<i>For No Interior Partitions, Deduct</i>	-10.68	
02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)		
02 41 16 13-0014 CCF Demo Masonry Building With Pneumatic Tools/Hand Remove Building	46.99	
<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-3.52	
<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-7.05	
<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-10.57	
<i>For Up To 500, Add</i>	14.10	
<i>For >500 To 1,000, Add</i>	9.40	
<i>For >1,000 To 2,000, Add</i>	4.70	
<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	15.51	
<i>For No Interior Partitions, Deduct</i>	-11.75	
02 41 16 13-0015 CCF Demo Masonry Building By Machine Remove Building	29.03	
<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-2.18	
<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-4.35	
<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-6.53	
<i>For Up To 500, Add</i>	8.71	
<i>For >500 To 1,000, Add</i>	5.81	
<i>For >1,000 To 2,000, Add</i>	2.90	
<i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i>	4.35	
<i>For Work >6 Stories To 10 Stories (Exclude Volume Below), Add</i>	7.26	
<i>For Work >10 Stories To 15 Stories (Exclude Volume Below), Add</i>	10.16	
<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	9.58	
<i>For No Interior Partitions, Deduct</i>	-7.26	
02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)		
02 41 16 13-0017 CCF Demo Wood Frame Building With Pneumatic Tools/Hand Remove Building	40.84	
<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-3.06	
<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-6.13	
<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-9.19	
<i>For Up To 500, Add</i>	12.25	
<i>For >500 To 1,000, Add</i>	8.17	
<i>For >1,000 To 2,000, Add</i>	4.08	
<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	13.48	
<i>For No Interior Partitions, Deduct</i>	-10.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0018	CCF		Demo Wood Frame Building By Machine Remove Building	24.84	
			<i>For Floor-To-Floor Heights >12' To 15', Deduct</i>	-1.86	
			<i>For Floor-To-Floor Heights >15' To 18', Deduct</i>	-3.73	
			<i>For Floor-To-Floor Heights >18' To 21', Deduct</i>	-5.59	
			<i>For Up To 500, Add</i>	7.45	
			<i>For >500 To 1,000, Add</i>	4.97	
			<i>For >1,000 To 2,000, Add</i>	2.48	
			<i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i>	3.73	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	8.20	
			<i>For No Interior Partitions, Deduct</i>	-6.21	
02 41 16 13-0019			Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)		
			Note: Per building volume.		
02 41 16 13-0020	CCF		Sorting Of Material Debris For Recycling Prior To Hauling Off	7.30	
			<i>For Up To 500, Add</i>	2.19	
			<i>For >500 To 1,000, Add</i>	1.46	
			<i>For >1,000 To 2,000, Add</i>	0.73	
02 41 16 13-0021			Building Foundations Demolition (02 41 16 13)		
			Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0022			Demolition Of Concrete Foundations (02 41 16 13-0021)		
02 41 16 13-0023	CF		Demo Non Reinforced Concrete Footing	12.98	
02 41 16 13-0024	SF		Demo 4" Thick Non Reinforced Concrete Foundation Wall	4.61	
02 41 16 13-0025	SF		Demo 6" Thick Non Reinforced Concrete Foundation Wall	6.14	
02 41 16 13-0026	SF		Demo 8" Thick Non Reinforced Concrete Foundation Wall	7.67	
02 41 16 13-0027	SF		Demo 10" Thick Non Reinforced Concrete Foundation Wall	9.21	
02 41 16 13-0028	SF		Demo 12" Thick Non Reinforced Concrete Foundation Wall	10.75	
02 41 16 13-0029	SF		Demo 16" Thick Non Reinforced Concrete Foundation Wall	12.28	
02 41 16 13-0030	CF		Demo Reinforced Concrete Footing	14.84	
02 41 16 13-0031	SF		Demo 4" Thick Reinforced Concrete Foundation Wall	5.52	
02 41 16 13-0032	SF		Demo 6" Thick Reinforced Concrete Foundation Wall	7.37	
02 41 16 13-0033	SF		Demo 8" Thick Reinforced Concrete Foundation Wall	9.21	
02 41 16 13-0034	SF		Demo 10" Thick Reinforced Concrete Foundation Wall	10.90	
02 41 16 13-0035	SF		Demo 12" Thick Reinforced Concrete Foundation Wall	12.90	
02 41 16 13-0036	SF		Demo 16" Thick Reinforced Concrete Foundation Wall	14.73	
02 41 16 13-0037			Demolition Of Concrete Block Foundations (02 41 16 13-0021)		
02 41 16 13-0038	SF		Demo 4" Thick Non Reinforced Concrete Block Foundation Wall	3.37	
02 41 16 13-0039	SF		Demo 6" Thick Non Reinforced Concrete Block Foundation Wall	3.61	
02 41 16 13-0040	SF		Demo 8" Thick Non Reinforced Concrete Block Foundation Wall	4.06	
02 41 16 13-0041	SF		Demo 10" Thick Non Reinforced Concrete Block Foundation Wall	4.68	
02 41 16 13-0042	SF		Demo 12" Thick Non Reinforced Concrete Block Foundation Wall	5.22	
02 41 16 13-0043	SF		Demo 16" Thick Non Reinforced Concrete Block Foundation Wall	6.53	
02 41 16 13-0044	SF		Demo 4" Thick Reinforced Concrete Block Foundation Wall	4.05	
02 41 16 13-0045	SF		Demo 6" Thick Reinforced Concrete Block Foundation Wall	4.33	
02 41 16 13-0046	SF		Demo 8" Thick Reinforced Concrete Block Foundation Wall	4.88	
02 41 16 13-0047	SF		Demo 10" Thick Reinforced Concrete Block Foundation Wall	5.61	
02 41 16 13-0048	SF		Demo 12" Thick Reinforced Concrete Block Foundation Wall	6.26	
02 41 16 13-0049	SF		Demo 16" Thick Reinforced Concrete Block Foundation Wall	7.83	
02 41 16 13-0050			Demolition Of Brick Foundations (02 41 16 13-0021)		
02 41 16 13-0051	SF		Demo 4" Thick Brick Foundation Wall	3.37	
02 41 16 13-0052	SF		Demo 6" Thick Brick Foundation Wall	3.61	
02 41 16 13-0053	SF		Demo 8" Thick Brick Foundation Wall	4.06	
02 41 16 13-0054	SF		Demo 10" Thick Brick Foundation Wall	4.68	
02 41 16 13-0055	SF		Demo 12" Thick Brick Foundation Wall	5.22	
02 41 16 13-0056	SF		Demo 16" Thick Brick Foundation Wall	6.53	
02 41 16 13-0057			Demolition Of Stone Foundations (02 41 16 13-0021)		
02 41 16 13-0058	CF		Demo Stone Building Footing Or Foundation Wall	12.98	
02 41 16 13-0059			Other Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0060	CF		Demo Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc.	10.98	
			Note: Includes excavation.		
02 41 19			Selective Demolition (02 41)		
02 41 19 13			Selective Building Demolition (02 41 19)		
02 41 19 13-0001			Saw Cutting (02 41 19 13)		
			Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0002 LF Saw Cut Bituminous Paving Up To 4" Depth.....	1.72	
<i>For Each Additional Pass (Depth To 3"), Add</i>	0.64	
<i>For >250, Deduct</i>	-0.16	
02 41 19 13-0003 LF Saw Cut Brick Masonry Up To 4" Depth.....	6.06	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.37	
<i>For >250, Deduct</i>	-0.59	
02 41 19 13-0004 LF Saw Cut Concrete Block Up To 4" Depth.....	5.51	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.15	
<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0005 LF Saw Cut Concrete Slab Or Paving Up To 4" Depth.....	2.01	
<i>For Each Additional Pass (Depth To 3"), Add</i>	0.74	
<i>For >250, Deduct</i>	-0.18	
02 41 19 13-0006 LF Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth.....	2.62	
<i>For Each Additional Pass (Depth To 3"), Add</i>	0.98	
<i>For >250, Deduct</i>	-0.24	
02 41 19 13-0007 LF Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth.....	4.19	
<i>For Each Additional Pass (Depth To 3"), Add</i>	1.60	
<i>For >250, Deduct</i>	-0.39	
02 41 19 13-0008 LF Saw Cut Plain Concrete Walls Up To 4" Depth.....	7.73	
<i>For Each Additional Pass (Depth To 3"), Add</i>	3.03	
<i>For >250, Deduct</i>	-0.75	
02 41 19 13-0009 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	10.37	
<i>For Each Additional Pass (Depth To 3"), Add</i>	4.07	
<i>For >250, Deduct</i>	-1.01	
02 41 19 13-0010 LF Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth.....	1.91	
<i>For Each Additional Pass (Depth To 3"), Add</i>	0.70	
<i>For >250, Deduct</i>	-0.17	
02 41 19 13-0011 LF Saw Cut Igneous Stone Pavements Up To 4" Depth.....	5.54	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.16	
<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0012 LF Saw Cut Sedimentary Stone Pavements Up To 4" Depth.....	5.54	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.16	
<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0013 LF Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....	5.54	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.16	
<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0014 LF Saw Cut Terrazzo Stone Pavements Up To 4" Depth.....	5.54	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.16	
<i>For >250, Deduct</i>	-0.53	
02 41 19 13-0015 EA Saw Cut Minimum Charge.....	673.77	
<i>Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively.</i>		
<i>This task should not be used in conjunction with any other tasks in this section.</i>		
02 41 19 13-0016 Torch Cutting (02 41 19 13)		
<i>Note: Includes grinding edge</i>		
02 41 19 13-0017 LF Up To 1/2", Torch Cut Steel Plate.....	2.24	
02 41 19 13-0018 LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	4.48	
02 41 19 13-0019 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate.....	6.71	
02 41 19 13-0020 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate.....	8.94	
02 41 19 13-0021 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate.....	11.18	
02 41 19 13-0022 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate.....	13.42	
02 41 19 13-0023 Drilling (02 41 19 13)		
<i>Note: Includes drill bit wear, water, layout, set-up and clean-up.</i>		
02 41 19 13-0024 Concrete Core Drilling (02 41 19 13-0023)		
02 41 19 13-0025 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0026 EA Drill 2" Diameter Core In Up To 4" Concrete.....	38.22	
<i>For Horizontal Cores, Add</i>	7.01	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.02	
02 41 19 13-0027 EA Drill 3" Diameter Core In Up To 4" Concrete.....	54.32	
<i>For Horizontal Cores, Add</i>	10.01	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.02	
02 41 19 13-0028 EA Drill 4" Diameter Core In Up To 4" Concrete.....	72.83	
<i>For Horizontal Cores, Add</i>	13.42	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.83	
02 41 19 13-0029 EA Drill 6" Diameter Core In Up To 4" Concrete.....	82.33	
<i>For Horizontal Cores, Add</i>	15.02	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.04	
02 41 19 13-0030 EA Drill 8" Diameter Core In Up To 4" Concrete.....	130.08	
<i>For Horizontal Cores, Add</i>	24.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.06	
02 41 19 13-0031 EA Drill 10" Diameter Core In Up To 4" Concrete.....	163.72	
<i>For Horizontal Cores, Add</i>	30.04	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	60.08	
02 41 19 13-0032 EA Drill 12" Diameter Core In Up To 4" Concrete.....	191.44	
<i>For Horizontal Cores, Add</i>	35.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	70.09	
02 41 19 13-0033 EA Drill 14" Diameter Core In Up To 4" Concrete.....	219.54	
<i>For Horizontal Cores, Add</i>	40.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.10	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0034	EA		Drill 18" Diameter Core In Up To 4" Concrete.....	250.04	
			<i>For Horizontal Cores, Add</i>	45.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	90.10	
02 41 19 13-0035			>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0036	EA		Drill 2" Diameter Core In >4" To 6" Concrete.....	54.91	
			<i>For Horizontal Cores, Add</i>	10.01	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.02	
02 41 19 13-0037	EA		Drill 3" Diameter Core In >4" To 6" Concrete.....	66.75	
			<i>For Horizontal Cores, Add</i>	12.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.03	
02 41 19 13-0038	EA		Drill 4" Diameter Core In >4" To 6" Concrete.....	83.92	
			<i>For Horizontal Cores, Add</i>	15.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.04	
02 41 19 13-0039	EA		Drill 6" Diameter Core In >4" To 6" Concrete.....	111.11	
			<i>For Horizontal Cores, Add</i>	20.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.05	
02 41 19 13-0040	EA		Drill 8" Diameter Core In >4" To 6" Concrete.....	165.20	
			<i>For Horizontal Cores, Add</i>	30.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	60.08	
02 41 19 13-0041	EA		Drill 10" Diameter Core In >4" To 6" Concrete.....	195.46	
			<i>For Horizontal Cores, Add</i>	35.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	70.09	
02 41 19 13-0042	EA		Drill 12" Diameter Core In >4" To 6" Concrete.....	224.49	
			<i>For Horizontal Cores, Add</i>	40.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.10	
02 41 19 13-0043	EA		Drill 14" Diameter Core In >4" To 6" Concrete.....	254.73	
			<i>For Horizontal Cores, Add</i>	45.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	90.10	
02 41 19 13-0044	EA		Drill 18" Diameter Core In >4" To 6" Concrete.....	288.49	
			<i>For Horizontal Cores, Add</i>	50.06	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.12	
02 41 19 13-0045			>6" To 8" Thick Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0046	EA		Drill 2" Diameter Core In >6" To 8" Concrete.....	61.68	
			<i>For Horizontal Cores, Add</i>	11.01	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.03	
02 41 19 13-0047	EA		Drill 3" Diameter Core In >6" To 8" Concrete.....	74.17	
			<i>For Horizontal Cores, Add</i>	13.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.03	
02 41 19 13-0048	EA		Drill 4" Diameter Core In >6" To 8" Concrete.....	97.01	
			<i>For Horizontal Cores, Add</i>	17.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.04	
02 41 19 13-0049	EA		Drill 6" Diameter Core In >6" To 8" Concrete.....	134.90	
			<i>For Horizontal Cores, Add</i>	24.03	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.06	
02 41 19 13-0050	EA		Drill 8" Diameter Core In >6" To 8" Concrete.....	220.34	
			<i>For Horizontal Cores, Add</i>	40.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.10	
02 41 19 13-0051	EA		Drill 10" Diameter Core In >6" To 8" Concrete.....	252.18	
			<i>For Horizontal Cores, Add</i>	45.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	90.10	
02 41 19 13-0052	EA		Drill 12" Diameter Core In >6" To 8" Concrete.....	282.59	
			<i>For Horizontal Cores, Add</i>	50.06	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.12	
02 41 19 13-0053	EA		Drill 14" Diameter Core In >6" To 8" Concrete.....	314.94	
			<i>For Horizontal Cores, Add</i>	55.06	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.11	
02 41 19 13-0054	EA		Drill 18" Diameter Core In >6" To 8" Concrete.....	351.97	
			<i>For Horizontal Cores, Add</i>	60.08	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	120.15	
02 41 19 13-0055			>8" To 10" Thick Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0056	EA		Drill 2" Diameter Core In >8" To 10" Concrete.....	73.42	
			<i>For Horizontal Cores, Add</i>	13.01	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.03	
02 41 19 13-0057	EA		Drill 3" Diameter Core In >8" To 10" Concrete.....	86.59	
			<i>For Horizontal Cores, Add</i>	15.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.04	
02 41 19 13-0058	EA		Drill 4" Diameter Core In >8" To 10" Concrete.....	100.09	
			<i>For Horizontal Cores, Add</i>	17.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.04	
02 41 19 13-0059	EA		Drill 6" Diameter Core In >8" To 10" Concrete.....	138.65	
			<i>For Horizontal Cores, Add</i>	24.03	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.06	
02 41 19 13-0060	EA		Drill 8" Diameter Core In >8" To 10" Concrete.....	225.43	
			<i>For Horizontal Cores, Add</i>	40.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.10	
02 41 19 13-0061	EA		Drill 10" Diameter Core In >8" To 10" Concrete.....	258.88	
			<i>For Horizontal Cores, Add</i>	45.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	90.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0062 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	290.58	
For Horizontal Cores, Add	50.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.10	
02 41 19 13-0063 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	325.13	
For Horizontal Cores, Add	55.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.11	
02 41 19 13-0064 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	365.29	
For Horizontal Cores, Add	60.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	120.12	
02 41 19 13-0065 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0066 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	80.18	
For Horizontal Cores, Add	14.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.04	
02 41 19 13-0067 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	89.00	
For Horizontal Cores, Add	15.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.04	
02 41 19 13-0068 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	118.20	
For Horizontal Cores, Add	20.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.05	
02 41 19 13-0069 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	152.41	
For Horizontal Cores, Add	26.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.07	
02 41 19 13-0070 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	240.53	
For Horizontal Cores, Add	42.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	84.10	
02 41 19 13-0071 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	265.58	
For Horizontal Cores, Add	45.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.10	
02 41 19 13-0072 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	308.71	
For Horizontal Cores, Add	52.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	104.14	
02 41 19 13-0073 >12" Thick Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0074 IN Drill 2" Diameter Core In >12" Concrete.....	9.41	
For Horizontal Cores, Add	1.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.43	
02 41 19 13-0075 IN Drill 3" Diameter Core In >12" Concrete.....	10.54	
For Horizontal Cores, Add	1.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.75	
02 41 19 13-0076 IN Drill 4" Diameter Core In >12" Concrete.....	14.02	
For Horizontal Cores, Add	2.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.00	
02 41 19 13-0077 IN Drill 6" Diameter Core In >12" Concrete.....	18.13	
For Horizontal Cores, Add	3.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.51	
02 41 19 13-0078 IN Drill 8" Diameter Core In >12" Concrete.....	28.82	
For Horizontal Cores, Add	5.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.52	
02 41 19 13-0079 IN Drill 10" Diameter Core In >12" Concrete.....	31.63	
For Horizontal Cores, Add	5.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.31	
02 41 19 13-0080 IN Drill 12" Diameter Core In >12" Concrete.....	36.59	
For Horizontal Cores, Add	6.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.02	
02 41 19 13-0081 Brick/Concrete Block Core Drilling (02 41 19 13-0023)		
02 41 19 13-0082 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0081)		
02 41 19 13-0083 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block.....	31.22	
For Horizontal Cores, Add	5.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.22	
02 41 19 13-0084 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block.....	44.31	
For Horizontal Cores, Add	8.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.02	
02 41 19 13-0085 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	59.42	
For Horizontal Cores, Add	10.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.47	
02 41 19 13-0086 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	67.32	
For Horizontal Cores, Add	12.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.03	
02 41 19 13-0087 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	106.04	
For Horizontal Cores, Add	19.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.45	
02 41 19 13-0088 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	133.67	
For Horizontal Cores, Add	24.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.06	
02 41 19 13-0089 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	156.39	
For Horizontal Cores, Add	28.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.07	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0090	EA		Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	179.49	
			<i>For Horizontal Cores, Add</i>	32.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.08	
02 41 19 13-0091	EA		Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	204.99	
			<i>For Horizontal Cores, Add</i>	36.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	72.08	
02 41 19 13-0092			>4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0081)		
02 41 19 13-0093	EA		Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	44.91	
			<i>For Horizontal Cores, Add</i>	8.01	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.02	
02 41 19 13-0094	EA		Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	54.73	
			<i>For Horizontal Cores, Add</i>	9.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.22	
02 41 19 13-0095	EA		Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	68.91	
			<i>For Horizontal Cores, Add</i>	12.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.03	
02 41 19 13-0096	EA		Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	91.09	
			<i>For Horizontal Cores, Add</i>	16.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.04	
02 41 19 13-0097	EA		Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	135.15	
			<i>For Horizontal Cores, Add</i>	24.03	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.06	
02 41 19 13-0098	EA		Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	160.41	
			<i>For Horizontal Cores, Add</i>	28.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	56.07	
02 41 19 13-0099	EA		Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	184.44	
			<i>For Horizontal Cores, Add</i>	32.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.08	
02 41 19 13-0100	EA		Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	209.68	
			<i>For Horizontal Cores, Add</i>	36.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	72.08	
02 41 19 13-0101	EA		Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	238.43	
			<i>For Horizontal Cores, Add</i>	40.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.10	
02 41 19 13-0102			>6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0081)		
02 41 19 13-0103	EA		Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	50.66	
			<i>For Horizontal Cores, Add</i>	8.81	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.62	
02 41 19 13-0104	EA		Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	61.16	
			<i>For Horizontal Cores, Add</i>	10.41	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.83	
02 41 19 13-0105	EA		Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	79.99	
			<i>For Horizontal Cores, Add</i>	13.62	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.23	
02 41 19 13-0106	EA		Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	110.86	
			<i>For Horizontal Cores, Add</i>	19.22	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.45	
02 41 19 13-0107	EA		Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	180.29	
			<i>For Horizontal Cores, Add</i>	32.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.08	
02 41 19 13-0108	EA		Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	207.13	
			<i>For Horizontal Cores, Add</i>	36.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	72.08	
02 41 19 13-0109	EA		Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	232.53	
			<i>For Horizontal Cores, Add</i>	40.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.10	
02 41 19 13-0110	EA		Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	259.89	
			<i>For Horizontal Cores, Add</i>	44.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	88.09	
02 41 19 13-0111	EA		Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	291.89	
			<i>For Horizontal Cores, Add</i>	48.06	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	96.12	
02 41 19 13-0112			>8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0081)		
02 41 19 13-0113	EA		Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	60.41	
			<i>For Horizontal Cores, Add</i>	10.41	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.82	
02 41 19 13-0114	EA		Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	71.58	
			<i>For Horizontal Cores, Add</i>	12.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.03	
02 41 19 13-0115	EA		Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	83.07	
			<i>For Horizontal Cores, Add</i>	13.62	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.23	
02 41 19 13-0116	EA		Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	114.61	
			<i>For Horizontal Cores, Add</i>	19.22	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.45	
02 41 19 13-0117	EA		Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	185.38	
			<i>For Horizontal Cores, Add</i>	32.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0118 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	213.83	
For Horizontal Cores, Add	36.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.08	
02 41 19 13-0119 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	240.53	
For Horizontal Cores, Add	40.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.08	
02 41 19 13-0120 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	270.08	
For Horizontal Cores, Add	44.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.09	
02 41 19 13-0121 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	305.23	
For Horizontal Cores, Add	48.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.10	
02 41 19 13-0122 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0081)		
02 41 19 13-0123 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	66.16	
For Horizontal Cores, Add	11.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.43	
02 41 19 13-0124 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	73.99	
For Horizontal Cores, Add	12.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.03	
02 41 19 13-0125 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	98.18	
For Horizontal Cores, Add	16.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.04	
02 41 19 13-0126 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	126.38	
For Horizontal Cores, Add	20.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.66	
02 41 19 13-0127 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	198.49	
For Horizontal Cores, Add	33.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.28	
02 41 19 13-0128 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	220.53	
For Horizontal Cores, Add	36.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.08	
02 41 19 13-0129 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	256.64	
For Horizontal Cores, Add	41.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.31	
02 41 19 13-0130 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0081)		
02 41 19 13-0131 IN Drill 2" Diameter Core In >12" Brick/Concrete Block	7.69	
For Horizontal Cores, Add	1.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.74	
02 41 19 13-0132 IN Drill 3" Diameter Core In >12" Brick/Concrete Block	8.67	
For Horizontal Cores, Add	1.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.00	
02 41 19 13-0133 IN Drill 4" Diameter Core In >12" Brick/Concrete Block	11.51	
For Horizontal Cores, Add	2.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.00	
02 41 19 13-0134 IN Drill 6" Diameter Core In >12" Brick/Concrete Block	14.88	
For Horizontal Cores, Add	2.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.21	
02 41 19 13-0135 IN Drill 8" Diameter Core In >12" Brick/Concrete Block	23.57	
For Horizontal Cores, Add	4.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.42	
02 41 19 13-0136 IN Drill 10" Diameter Core In >12" Brick/Concrete Block	25.98	
For Horizontal Cores, Add	4.52	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.05	
02 41 19 13-0137 IN Drill 12" Diameter Core In >12" Brick/Concrete Block	30.08	
For Horizontal Cores, Add	5.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.42	
02 41 19 13-0138 Asphalt Core Drilling (02 41 19 13-0023)		
02 41 19 13-0139 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0138)		
02 41 19 13-0140 EA Drill 1" Diameter Core In Up To 2" Asphalt	14.31	
02 41 19 13-0141 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	17.94	
02 41 19 13-0142 EA Drill 2" Diameter Core In Up To 2" Asphalt	22.43	
02 41 19 13-0143 EA Drill 3" Diameter Core In Up To 2" Asphalt	27.90	
02 41 19 13-0144 EA Drill 4" Diameter Core In Up To 2" Asphalt	35.16	
02 41 19 13-0145 EA Drill 6" Diameter Core In Up To 2" Asphalt	44.19	
02 41 19 13-0146 EA Drill 8" Diameter Core In Up To 2" Asphalt	55.29	
02 41 19 13-0147 EA Drill 10" Diameter Core In Up To 2" Asphalt	68.59	
02 41 19 13-0148 EA Drill 12" Diameter Core In Up To 2" Asphalt	85.56	
02 41 19 13-0149 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0138)		
02 41 19 13-0150 EA Drill 1" Diameter Core In >2" To 3" Asphalt	17.88	
02 41 19 13-0151 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	23.21	
02 41 19 13-0152 EA Drill 2" Diameter Core In >2" To 3" Asphalt	28.56	
02 41 19 13-0153 EA Drill 3" Diameter Core In >2" To 3" Asphalt	35.81	
02 41 19 13-0154 EA Drill 4" Diameter Core In >2" To 3" Asphalt	44.86	
02 41 19 13-0155 EA Drill 6" Diameter Core In >2" To 3" Asphalt	56.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0156 EA Drill 8" Diameter Core In >2" To 3" Asphalt.....	70.31	
02 41 19 13-0157 EA Drill 10" Diameter Core In >2" To 3" Asphalt.....	88.01	
02 41 19 13-0158 EA Drill 12" Diameter Core In >2" To 3" Asphalt.....	109.40	
02 41 19 13-0159 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0138)		
02 41 19 13-0160 EA Drill 1" Diameter Core In >3" To 4" Asphalt.....	23.28	
02 41 19 13-0161 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt.....	29.61	
02 41 19 13-0162 EA Drill 2" Diameter Core In >3" To 4" Asphalt.....	36.74	
02 41 19 13-0163 EA Drill 3" Diameter Core In >3" To 4" Asphalt.....	45.84	
02 41 19 13-0164 EA Drill 4" Diameter Core In >3" To 4" Asphalt.....	57.72	
02 41 19 13-0165 EA Drill 6" Diameter Core In >3" To 4" Asphalt.....	72.16	
02 41 19 13-0166 EA Drill 8" Diameter Core In >3" To 4" Asphalt.....	90.65	
02 41 19 13-0167 EA Drill 10" Diameter Core In >3" To 4" Asphalt.....	112.84	
02 41 19 13-0168 EA Drill 12" Diameter Core In >3" To 4" Asphalt.....	140.54	
02 41 19 13-0169 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0138)		
02 41 19 13-0170 EA Drill 1" Diameter Core In >4" To 6" Asphalt.....	30.66	
02 41 19 13-0171 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt.....	37.99	
02 41 19 13-0172 EA Drill 2" Diameter Core In >4" To 6" Asphalt.....	46.97	
02 41 19 13-0173 EA Drill 3" Diameter Core In >4" To 6" Asphalt.....	59.91	
02 41 19 13-0174 EA Drill 4" Diameter Core In >4" To 6" Asphalt.....	74.69	
02 41 19 13-0175 EA Drill 6" Diameter Core In >4" To 6" Asphalt.....	92.89	
02 41 19 13-0176 EA Drill 8" Diameter Core In >4" To 6" Asphalt.....	117.18	
02 41 19 13-0177 EA Drill 10" Diameter Core In >4" To 6" Asphalt.....	145.74	
02 41 19 13-0178 EA Drill 12" Diameter Core In >4" To 6" Asphalt.....	181.77	
02 41 19 13-0179 Manhole Core Drilling (02 41 19 13-0023)		
02 41 19 13-0180 EA Drill 4" Diameter Core In 6" Brick Manhole.....	156.15	
02 41 19 13-0181 EA Drill 5" Diameter Core In 6" Brick Manhole.....	178.34	
02 41 19 13-0182 EA Drill 6" Diameter Core In 6" Brick Manhole.....	207.61	
02 41 19 13-0183 EA Drill 8" Diameter Core In 6" Brick Manhole.....	310.43	
02 41 19 13-0184 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	207.98	
02 41 19 13-0185 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	223.31	
02 41 19 13-0186 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	247.55	
02 41 19 13-0187 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	266.10	
02 41 19 13-0188 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	314.64	
02 41 19 13-0189 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	448.53	
02 41 19 13-0190 EA Drill 2" Diameter Core In Fiberglass Manhole.....	20.15	
02 41 19 13-0191 EA Drill 3" Diameter Core In Fiberglass Manhole.....	23.29	
02 41 19 13-0192 EA Drill 4" Diameter Core In Fiberglass Manhole.....	25.28	
02 41 19 13-0193 EA Drill 5" Diameter Core In Fiberglass Manhole.....	27.59	
02 41 19 13-0194 EA Drill 6" Diameter Core In Fiberglass Manhole.....	30.34	
02 41 19 13-0195 EA Drill 8" Diameter Core In Fiberglass Manhole.....	33.76	
02 41 19 13-0196 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0023)		
Note: Includes layout.		
02 41 19 13-0197 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.76	
02 41 19 13-0198 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.84	
02 41 19 13-0199 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	1.97	
02 41 19 13-0200 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.11	
02 41 19 13-0201 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.31	
02 41 19 13-0202 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.51	
02 41 19 13-0203 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	2.64	
02 41 19 13-0204 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.90	
02 41 19 13-0205 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	3.29	
02 41 19 13-0206 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0023)		
Note: Includes layout.		
02 41 19 13-0207 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.47	
02 41 19 13-0208 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.54	
02 41 19 13-0209 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.66	
02 41 19 13-0210 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.77	
02 41 19 13-0211 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.93	
02 41 19 13-0212 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.10	
02 41 19 13-0213 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.21	
02 41 19 13-0214 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.44	
02 41 19 13-0215 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.76	
02 41 19 13-0216 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0023)		
Note: Includes layout.		
02 41 19 13-0217 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.72	
02 41 19 13-0218 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.76	
02 41 19 13-0219 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.81	
02 41 19 13-0220 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.86	
02 41 19 13-0221 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0222 IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.03	
02 41 19 13-0223 IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.08	
02 41 19 13-0224 IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.19	
02 41 19 13-0225 IN 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.35	
02 41 19 13-0226 Limestone Core Drilling (02 41 19 13-0023)		
02 41 19 13-0227 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0226)		
02 41 19 13-0228 EA Drill 1" Diameter Core In 10" To 14" Limestone	47.01	
02 41 19 13-0229 EA Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	56.83	
02 41 19 13-0230 EA Drill 2" Diameter Core In 10" To 14" Limestone.....	62.37	
02 41 19 13-0231 EA Drill 3" Diameter Core In 10" To 14" Limestone.....	73.47	
02 41 19 13-0232 EA Drill 4" Diameter Core In 10" To 14" Limestone.....	84.82	
02 41 19 13-0233 EA Drill 6" Diameter Core In 10" To 14" Limestone.....	117.62	
02 41 19 13-0234 EA Drill 8" Diameter Core In 10" To 14" Limestone.....	191.52	
02 41 19 13-0235 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0226)		
02 41 19 13-0236 EA Drill 1" Diameter Core In 15" To 18" Limestone.....	52.16	
02 41 19 13-0237 EA Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	62.24	
02 41 19 13-0238 EA Drill 2" Diameter Core In 15" To 18" Limestone.....	68.05	
02 41 19 13-0239 EA Drill 3" Diameter Core In 15" To 18" Limestone.....	75.40	
02 41 19 13-0240 EA Drill 4" Diameter Core In 15" To 18" Limestone.....	100.15	
02 41 19 13-0241 EA Drill 6" Diameter Core In 15" To 18" Limestone.....	129.18	
02 41 19 13-0242 EA Drill 8" Diameter Core In 15" To 18" Limestone.....	204.24	
02 41 19 13-0243 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0226)		
02 41 19 13-0244 EA Drill 1" Diameter Core In 19" To 24" Limestone.....	57.18	
02 41 19 13-0245 EA Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	67.51	
02 41 19 13-0246 EA Drill 2" Diameter Core In 19" To 24" Limestone.....	73.55	
02 41 19 13-0247 EA Drill 3" Diameter Core In 19" To 24" Limestone.....	85.62	
02 41 19 13-0248 EA Drill 4" Diameter Core In 19" To 24" Limestone.....	119.46	
02 41 19 13-0249 EA Drill 6" Diameter Core In 19" To 24" Limestone.....	149.00	
02 41 19 13-0250 EA Drill 8" Diameter Core In 19" To 24" Limestone.....	220.85	
02 41 19 13-0251 Minimum Charge For Core Drilling (02 41 19 13-0023)		
02 41 19 13-0252 EA Core Drill Minimum Charge.....	460.34	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
02 41 19 13-0253 Cutouts (02 41 19 13)		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0254 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0253)		
02 41 19 13-0255 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	37.78	
02 41 19 13-0256 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	40.07	
02 41 19 13-0257 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	42.35	
02 41 19 13-0258 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	44.64	
02 41 19 13-0259 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	45.79	
02 41 19 13-0260 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0253)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0261 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	46.05	
02 41 19 13-0262 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	48.83	
02 41 19 13-0263 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	51.62	
02 41 19 13-0264 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	54.41	
02 41 19 13-0265 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	55.81	
02 41 19 13-0266 Reinforced Concrete Wall Cutouts (02 41 19 13-0253)		
02 41 19 13-0267 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	47.22	
02 41 19 13-0268 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	50.08	
02 41 19 13-0269 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	52.94	
02 41 19 13-0270 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	55.81	
02 41 19 13-0271 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	57.24	
02 41 19 13-0272 Brick Wall Cutouts (02 41 19 13-0253)		
Note: Excludes toothing.		
02 41 19 13-0273 SF 4" Thick Brick Wall Cutouts, <24 SF	14.31	
02 41 19 13-0274 SF 6" Thick Brick Wall Cutouts, <24 SF	23.61	
02 41 19 13-0275 SF 8" Thick Brick Wall Cutouts, <24 SF	32.87	
02 41 19 13-0276 SF 10" Thick Brick Wall Cutouts, <24 SF	40.07	
02 41 19 13-0277 SF 12" Thick Brick Wall Cutouts, <24 SF	47.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0278 SF 16" Thick Brick Wall Cutouts, <24 SF	56.52	
02 41 19 13-0279 Concrete Block Wall Cutouts (02 41 19 13-0253) Note: Excludes toothing.		
02 41 19 13-0280 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	23.67	
02 41 19 13-0281 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	25.07	
02 41 19 13-0282 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	26.47	
02 41 19 13-0283 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	27.91	
02 41 19 13-0284 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	28.62	
02 41 19 13-0285 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	30.05	
02 41 19 13-0286 Limestone Cutouts (02 41 19 13-0253)		
02 41 19 13-0287 SF 2" Thick Limestone Cutouts, <24 SF	40.07	
02 41 19 13-0288 SF 4" Thick Limestone Cutouts, <24 SF	48.65	
02 41 19 13-0289 SF 6" Thick Limestone Cutouts, <24 SF	51.52	
02 41 19 13-0290 SF 8" Thick Limestone Cutouts, <24 SF	54.38	
02 41 19 13-0291 SF 10" Thick Limestone Cutouts, <24 SF	57.24	
02 41 19 13-0292 SF 12" Thick Limestone Cutouts, <24 SF	60.10	
02 41 19 13-0293 Toothing Masonry Cutouts (02 41 19 13-0253) Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0294 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts	14.31	
02 41 19 13-0295 VLF Brick, Hard Mortar, Toothing Masonry Cutouts	19.31	
02 41 19 13-0296 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	8.58	
02 41 19 13-0297 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	11.44	
02 41 19 13-0298 Minimum Charge For Cutouts (02 41 19 13-0253) Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0299 EA Cutouts Minimum Charge	286.19	
02 41 19 13-0300 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0301 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0300)		
02 41 19 13-0302 VLF 8" x 8" Masonry Column Removal	11.14	
02 41 19 13-0303 VLF 10" x 10" Masonry Column Removal	17.40	
02 41 19 13-0304 VLF 12" x 12" Masonry Column Removal	22.29	
02 41 19 13-0305 VLF 14" x 14" Masonry Column Removal	27.91	
02 41 19 13-0306 VLF 16" x 16" Masonry Column Removal	34.29	
02 41 19 13-0307 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	19.25	
02 41 19 13-0308 Masonry Chimney Removal (02 41 19 13-0300)		
02 41 19 13-0309 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	22.59	
02 41 19 13-0310 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	16.96	
02 41 19 13-0311 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.98	
02 41 19 13-0312 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	8.99	
02 41 19 13-0313 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0300) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0314 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	13.85	
02 41 19 13-0315 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	20.84	
02 41 19 13-0316 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	40.08	
02 41 19 13-0317 Facade Removal (02 41 19 13-0300) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0318 SF Stone Or Brick Veneer Facade Removal	4.24	
<i>For Cleaning and Storage For Reuse, Add</i>		3.18
02 41 19 13-0319 Exterior Masonry Removal (02 41 19 13-0300) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0320 SF Demo 4" Thick Non Reinforced Concrete Block Exterior Wall	3.73	
02 41 19 13-0321 SF Demo 6" Thick Non Reinforced Concrete Block Exterior Wall	4.21	
02 41 19 13-0322 SF Demo 8" Thick Non Reinforced Concrete Block Exterior Wall	5.09	
02 41 19 13-0323 SF Demo 10" Thick Non Reinforced Concrete Block Exterior Wall	5.56	
02 41 19 13-0324 SF Demo 12" Thick Non Reinforced Concrete Block Exterior Wall	6.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0325 SF Demo 16" Thick Non Reinforced Concrete Block Exterior Wall.....	7.64	
02 41 19 13-0326 SF Demo 4" Thick Reinforced Concrete Block Exterior Wall.....	4.41	
02 41 19 13-0327 SF Demo 6" Thick Reinforced Concrete Block Exterior Wall.....	5.05	
02 41 19 13-0328 SF Demo 8" Thick Reinforced Concrete Block Exterior Wall.....	6.10	
02 41 19 13-0329 SF Demo 10" Thick Reinforced Concrete Block Exterior Wall.....	6.67	
02 41 19 13-0330 SF Demo 12" Thick Reinforced Concrete Block Exterior Wall.....	7.33	
02 41 19 13-0331 SF Demo 16" Thick Reinforced Concrete Block Exterior Wall.....	9.16	
02 41 19 13-0332 SF Demo 4" Thick Brick Exterior Wall.....	3.73	
<i>For Cleaning and Storage For Reuse, Add</i>	<i>2.80</i>	
02 41 19 13-0333 SF Demo 6" Thick Brick Exterior Wall.....	4.21	
<i>For Cleaning and Storage For Reuse, Add</i>	<i>3.16</i>	
02 41 19 13-0334 SF Demo 8" Thick Brick Exterior Wall.....	5.09	
<i>For Cleaning and Storage For Reuse, Add</i>	<i>3.82</i>	
02 41 19 13-0335 SF Demo 10" Thick Brick Exterior Wall.....	5.56	
<i>For Cleaning and Storage For Reuse, Add</i>	<i>4.17</i>	
02 41 19 13-0336 SF Demo 12" Thick Brick Exterior Wall.....	6.10	
<i>For Cleaning and Storage For Reuse, Add</i>	<i>4.58</i>	
02 41 19 13-0337 SF Demo 16" Thick Brick Exterior Wall.....	7.64	
<i>For Cleaning and Storage For Reuse, Add</i>	<i>5.73</i>	
02 41 19 13-0338 CF Exterior Brick, Concrete Block Or Composite Removal.....	10.85	
<i>For Cleaning and Storage For Reuse, Add</i>	<i>8.14</i>	
02 41 19 13-0339 Roofing Removal (02 41 19 13)		
02 41 19 13-0340 Clay Tile Roof Remove And Salvage For Re-use (02 41 19 13-0339)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 41 19 13-0341 SQ Remove Clay Roof Tile, Salvage For Re-use.....	221.41	
02 41 19 13-0342 Elevated Concrete Removal (02 41 19 13)		
02 41 19 13-0343 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	9.59	
02 41 19 16 Selective Interior Demolition (02 41 19)		
Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Remove And Salvage For Re-Use (02 41 19 16-0001)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 41 19 16-0003 SF Remove Brick Flooring And Salvage.....	2.02	
02 41 19 16-0004 SF Remove Ceramic/Quarry Tile Floor And Salvage.....	2.02	
02 41 19 16-0005 SF Remove Terrazzo Flooring And Salvage.....	2.79	
02 41 19 16-0006 SF Remove Wood Strip Flooring And Salvage.....	1.63	
02 41 19 16-0007 SF Remove Wood Parquet Flooring And Salvage.....	0.86	
02 41 19 16-0008 SF Remove Resilient/Linoleum Flooring And Salvage.....	0.62	
02 41 19 16-0009 Scarify Concrete (02 41 19 16-0001)		
Note: Up to 1/4" removal per pass.		
02 41 19 16-0010 SF Scarify Concrete Floor.....	0.23	
02 41 19 16-0011 SF Scarify Concrete Tread And Riser.....	1.88	
02 41 19 16-0012 SF Scarify Concrete Wall.....	1.71	
02 41 19 16-0013 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0014 SF Remove Fireproofing From Concrete Or Steel.....	0.95	
02 41 19 16-0015 Ceiling Removal (02 41 19 16)		
02 41 19 16-0016 SF Demo Drywall Ceiling.....	0.73	
02 41 19 16-0017 SF Demo Furred Plastered Ceiling.....	1.70	
02 41 19 16-0018 SF Demo Suspended Plastered Ceiling And Suspension System.....	1.30	
02 41 19 16-0019 Concrete Stair Demolition (02 41 19 16)		
02 41 19 16-0020 CF Demo Interior Reinforced Concrete Stairs.....	6.96	
02 41 19 16-0021 CF Demo Exterior Reinforced Concrete Stairs.....	6.03	
02 41 19 16-0022 Interior Partition/Wall Demolition (02 41 19 16)		
Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0023 Demolition Of Masonry And Concrete Interior Partition/Walls (02 41 19 16-0022)		
Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0024 Demolition Of Concrete Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0025 SF Demo 4" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	3.95	
02 41 19 16-0026 SF Demo 6" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.23	
02 41 19 16-0027 SF Demo 8" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.76	
02 41 19 16-0028 SF Demo 12" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	6.11	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0029 SF Demo 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	7.64	
02 41 19 16-0030 SF Demo 4" Thick Reinforced Concrete Block Interior Partition/Wall	4.75	
02 41 19 16-0031 SF Demo 6" Thick Reinforced Concrete Block Interior Partition/Wall	5.07	
02 41 19 16-0032 SF Demo 8" Thick Reinforced Concrete Block Interior Partition/Wall	5.71	
02 41 19 16-0033 SF Demo 12" Thick Reinforced Concrete Block Interior Partition/Wall	7.34	
02 41 19 16-0034 SF Demo 16" Thick Reinforced Concrete Block Interior Partition/Wall	9.17	
02 41 19 16-0035 Demolition Of Brick Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0036 SF Demo 4" Thick Brick Interior Partition/Wall	3.95	
02 41 19 16-0037 SF Demo 8" Thick Brick Interior Partition/Wall	4.76	
02 41 19 16-0038 SF Demo 12" Thick Brick Interior Partition/Wall	6.10	
02 41 19 16-0039 SF Demo 16" Thick Brick Interior Partition/Wall	7.64	
02 41 19 16-0040 Demolition Of Glass Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0041 SF Demo 4" Thick Glass Block Interior Partition/Wall	3.39	
02 41 19 16-0042 Demolition Of Concrete Interior Partition/Walls (02 41 19 16-0023)		
See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0043 SF Demo 6" Thick Non Reinforced Concrete Interior Partition/Wall	7.58	
02 41 19 16-0044 SF Demo 8" Thick Non Reinforced Concrete Interior Partition/Wall	9.48	
02 41 19 16-0045 SF Demo 12" Thick Non Reinforced Concrete Interior Partition/Wall	13.27	
02 41 19 16-0046 SF Demo 6" Thick Reinforced Concrete Interior Partition/Wall	9.10	
02 41 19 16-0047 SF Demo 8" Thick Reinforced Concrete Interior Partition/Wall	11.44	
02 41 19 16-0048 SF Demo 12" Thick Reinforced Concrete Interior Partition/Wall	15.92	
02 41 19 16-0049 Demolition Of Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0050 SF Demo Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.33	
02 41 19 16-0051 Demolition Of Stud Framed Interior Partition/Walls (02 41 19 16-0022)		
Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0052 SF Demo Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	2.40	
For Heights >14' To 20', Add	0.36	
For Heights >20', Add	0.48	
02 41 19 16-0053 SF Demo Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	2.80	
For Heights >14' To 20', Add	0.42	
For Heights >20', Add	0.56	
02 41 19 16-0054 SF Demo Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side	3.08	
For Heights >14' To 20', Add	0.46	
For Heights >20', Add	0.62	
02 41 19 16-0055 SF Demo Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	4.28	
For Heights >14' To 20', Add	0.64	
For Heights >20', Add	0.86	
02 41 19 16-0056 SF Demo Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.26	
For Heights >14' To 20', Add	0.19	
For Heights >20', Add	0.25	
02 41 19 16-0057 SF Demo Plaster And Lath From 2 Sides Of An Interior Partition/Wall	1.51	
For Heights >14' To 20', Add	0.23	
For Heights >20', Add	0.30	
02 43 Structure Moving (02 40)		
02 43 13 Structure Relocation (02 43)		
Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.		
02 43 13 00-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)		
Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 00-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building	27.20	
02 43 13 00-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building	25.71	
02 43 13 00-0004 SF >920 SF, Move Relocatable Metal Frame Building	24.05	
02 43 13 00-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building	21.82	
02 43 13 00-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building	20.40	
02 43 13 00-0007 SF >920 SF, Move Relocatable Wood Frame Building	18.04	
02 43 13 00-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building	26.42	
02 43 13 00-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	24.05	
02 43 13 00-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building	20.40	
02 60 Contaminated Site Material Removal (02)		
02 61 Removal And Disposal Of Contaminated Soils (02 60)		
02 61 13 Excavation And Handling Of Contaminated Material (02 61)		



Existing Conditions		02
Contaminated Site Material Removal		02 60
Removal And Disposal Of Contaminated Soils		02 61

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
See CSI section 31 23 16 00-0000 for excavation.		
02 61 13 00-0001	Excavation Of Contaminated Soil (02 61 13) See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.	
02 61 13 00-0002	Excavate Non-Petroleum Contaminated Soil (02 61 13 00-0001)	
02 61 13 00-0003	CY	Excavate Non Petroleum Contaminated Soil 6.42 Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.
02 61 13 00-0004	Excavate Contaminated Soil (02 61 13)	
02 61 13 00-0005	CY	Excavate Contaminated Soil 9.63 Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.
02 61 13 00-0006	CY	Load Excavated Contaminated Soil 5.57
02 61 13 00-0007	CY	Disposal Fees Of Contaminated Soil 44.32
02 61 13 00-0008	Accessories For Contaminated Soil Stockpile (02 61 13) See CSI section 31 25 14 23-0001 for sand bags.	
02 61 13 00-0009	SF	30 Mil Base Liner 0.85 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.
02 61 13 00-0010	SF	10 Mil Base Liner 0.61 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.
02 65	Underground Storage Tank Removal (02 60) Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0035 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.	
02 65 00 00-0001	Monitoring, Sampling, Testing And Analysis (02 65)	
02 65 00 00-0002	Field Samples For Testing (02 65 00 00-0001)	
02 65 00 00-0003	EA	Collection Of Sludge Sample 15.48
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample 15.48
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample 15.48
02 65 00 00-0006	Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001) Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.	
02 65 00 00-0007	EA	Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020 97.76 Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.
02 65 00 00-0008	EA	Lab Test - Flashpoint 38.02 Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.
02 65 00 00-0009	EA	Lab Test - TOX 9020 91.46 Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.
02 65 00 00-0010	EA	Lab Test - TPH 8015 Modified 97.76 Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.
02 65 00 00-0011	EA	Lab Test - TRPH 418.1 76.03 Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.
02 65 00 00-0012	EA	Lab Test - VOC 206.38 Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.
02 65 00 00-0013	EA	Lab Test - Semi-Volatile Organic 380.17 Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.
02 65 00 00-0014	EA	Lab Test - Oil And Grease 413.1 45.73 Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.
02 65 00 00-0015	EA	Lab Test - TCLP (Extraction) - Metals 81.46 Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.
02 65 00 00-0016	EA	Lab Test - TCLP (Extraction) - Semi-Volatile Organic 108.62 Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.
02 65 00 00-0017	EA	Lab Test - Metals 6010 RCRA 121.65 Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.
02 65 00 00-0018	EA	Lab Test - Metals (Arsenic) 7060 16.29 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.
02 65 00 00-0019	EA	Lab Test - Metals (Selenium) 7740 16.29 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.
02 65 00 00-0020	EA	Lab Test - Metals (Lead) 7421 16.29 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.
02 65 00 00-0021	EA	Lab Test - Metals (Mercury) 7470 30.41 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.
02 65 00 00-0022	EA	Lab Test - PNA/PAH 8100 173.79 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78	62.88	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024 EA Lab Test - pH	13.03	
02 65 00 00-0025 EA Lab Test - PCB	162.93	
02 65 00 00-0026 EA Lab Test - Methyl Tertiary Butyl Ether (MTBE)	97.76	
02 65 00 00-0027 Tests, Surveys And Maintenance (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer.....	664.63	
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems	109.40	
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes.....	25.60	
Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	183.65	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Replace Anode On Impressed System	68.67	
02 65 00 00-0033 EA Replace Power Converter On Impressed System.....	99.84	
02 65 00 00-0034 EA Replace Monitor Probes	149.60	
02 65 00 00-0035 EA Ultrasonic Test.....	65.00	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer	74.27	
02 65 00 00-0038 HR Certified Geologist/Environmentalist	74.27	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA	66.12	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank	0.53	
Note: Per gallon of material transferred.		
02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)		
02 65 00 00-0044 GAL Remove and Dispose of Hazardous Liquids From Tank	1.03	
02 65 00 00-0045 GAL Remove And Dispose Of Non Hazardous Liquid From Tank	0.75	
02 65 00 00-0046 Sludge (02 65 00 00-0040)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Remove And Dispose Of Hazardous Solids Or Sludge From Tank	4.65	
02 65 00 00-0048 GAL Remove And Dispose Of Non Hazardous Solids Or Sludge From Tank.....	1.02	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....	2.31	
Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.		
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		
02 65 00 00-0053 EA Up To 500 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	251.02	
02 65 00 00-0054 EA >500 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	439.28	
02 65 00 00-0055 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	627.53	
02 65 00 00-0056 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	878.54	
02 65 00 00-0057 EA >5,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,315.19	
02 65 00 00-0058 EA >10,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,978.71	
02 65 00 00-0059 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,646.22	
02 65 00 00-0060 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,278.15	
02 65 00 00-0061 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,392.72	
02 65 00 00-0062 Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0063 EA Up To 500 Gallon Tank, Scrape Clean Tank Exterior	215.44	
02 65 00 00-0064 EA >500 To 1,000 Gallon Tank, Scrape Clean Tank Exterior.....	359.05	
02 65 00 00-0065 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior.....	502.68	
02 65 00 00-0066 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior.....	718.12	
02 65 00 00-0067 EA >5,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,436.22	
02 65 00 00-0068 EA >10,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,872.46	
02 65 00 00-0069 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior.....	3,590.56	



Existing Conditions		02
Contaminated Site Material Removal		02 60
Underground Storage Tank Removal		02 65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0070	EA		>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	4,663.08	
02 65 00 00-0071	EA		>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	6,411.72	
02 65 00 00-0072			Tank And Piping Removal (02 65) Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
02 65 00 00-0073			Removal And Disposal Of Piping (02 65 00 00-0072) Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0074	LF		Up To 4", Removal And Disposal Of Piping.....	13.34	
02 65 00 00-0075	LF		>4" To 8", Removal And Disposal Of Piping.....	17.80	
02 65 00 00-0076			Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0072) Note: Excludes excavation or backfill.		
02 65 00 00-0077	EA		Up To 500 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	450.85	
02 65 00 00-0078	EA		>500 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	751.43	
02 65 00 00-0079	EA		>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,052.00	
02 65 00 00-0080	EA		>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,502.85	
02 65 00 00-0081	EA		>5,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,103.98	
02 65 00 00-0082	EA		>10,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,629.98	
02 65 00 00-0083	EA		>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,155.97	
02 65 00 00-0084	EA		>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,757.12	
02 65 00 00-0085	EA		>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,207.97	
02 65 00 00-0086			Cut Tank Into Sections That Can Easily Be Transported And Disposed Of (02 65 00 00-0072) Note: When necessary. Includes 1 lengthwise at every 4' O.C. height wise.		
02 65 00 00-0087	EA		>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	429.41	
02 65 00 00-0088	EA		>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	858.82	
02 65 00 00-0089	EA		>5,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,289.53	
02 65 00 00-0090	EA		>10,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,717.65	
02 65 00 00-0091	EA		>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,147.06	
02 65 00 00-0092	EA		>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,571.33	
02 65 00 00-0093	EA		>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,435.30	
02 65 00 00-0094			Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0072) Note: Includes disposal fee.		
02 65 00 00-0095	EA		Up To 500 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	175.91	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>4.40</i>	
02 65 00 00-0096	EA		>500 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	234.55	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>5.86</i>	
02 65 00 00-0097	EA		>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	669.68	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>7.82</i>	
02 65 00 00-0098	EA		>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,099.70	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>11.73</i>	
02 65 00 00-0099	EA		>5,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,601.11	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>15.64</i>	
02 65 00 00-0100	EA		>10,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,304.79	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>19.55</i>	
02 65 00 00-0101	EA		>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,904.79	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>24.43</i>	
02 65 00 00-0102	EA		>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,225.46	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>31.27</i>	
02 65 00 00-0103	EA		>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	5,252.07	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>39.09</i>	
02 65 00 00-0104			Other Storage Tank Removals (02 65 00 00-0072)		
02 65 00 00-0105	GAL		Remove Cement Lining	0.41	
02 65 00 00-0106	GAL		Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.15	
02 65 00 00-0107	GAL		Install Epoxy For Interior Corrosion Protection	0.86	
02 65 00 00-0108			Tank Closure Report (02 65 00 00-0072) Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0109	EA		Prepare Tank Closure Report.....	1,661.59	
02 65 00 00-0110			Temporary Tanks (02 65)		
02 65 00 00-0111			Temporary Holding Tanks (02 65 00 00-0110)		
02 65 00 00-0112			Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0111)		
02 65 00 00-0113	MO		550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	452.00	
02 65 00 00-0114	MO		630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	452.00	
02 65 00 00-0115	MO		630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	903.99	

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0116 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	678.00	
02 65 00 00-0117 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,581.99	
02 65 00 00-0118 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,129.99	
02 65 00 00-0119 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,649.50	
02 65 00 00-0120 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,976.78	
02 65 00 00-0121 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	3,338.27	
02 65 00 00-0122 Secondary Containment Berm (02 65 00 00-0110)		
02 65 00 00-0123 MO Secondary Containment Berm Monthly Rental	979.33	

02 80 Facility Remediation (02)**02 81 Transportation And Disposal Of Hazardous Materials (02 80)****02 81 00 00-0001 Hazardous Material Disposal (02 81)**

02 81 00 00-0002 GAL Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container	8.06	
Note: Includes handling of container and disposal at approved site.		
02 81 00 00-0003 CF Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site	54.43	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		

02 82 Asbestos Remediation (02 80)

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0035 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 82 00 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82)**02 82 00 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 00 00-0001)**

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 00 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 00 00-0002)

See CSI section 02 82 00 00-0017 for projects with less than 10 LF.

02 82 00 00-0004 EA 10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	501.58	
For Work In Restricted Working Space, Add	150.47	
02 82 00 00-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	25.65	
For Work In Restricted Working Space, Add	7.70	
02 82 00 00-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	19.24	
For Work In Restricted Working Space, Add	5.77	
02 82 00 00-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.43	
For Work In Restricted Working Space, Add	4.33	
02 82 00 00-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	10.82	
For Work In Restricted Working Space, Add	3.25	
02 82 00 00-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	9.41	
For Work In Restricted Working Space, Add	2.82	

02 82 00 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 00 00-0002)

See CSI section 02 82 00 00-0017 for projects with less than 10 LF.

02 82 00 00-0011 EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	501.58	
For Work In Restricted Working Space, Add	150.47	
02 82 00 00-0012 LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.50	
For Work In Restricted Working Space, Add	8.85	
02 82 00 00-0013 LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.12	
For Work In Restricted Working Space, Add	6.64	
02 82 00 00-0014 LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.59	
For Work In Restricted Working Space, Add	4.98	
02 82 00 00-0015 LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	12.43	
For Work In Restricted Working Space, Add	3.73	
02 82 00 00-0016 LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.82	
For Work In Restricted Working Space, Add	3.25	

02 82 00 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 00 00-0002)

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 00 00-0018 EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	544.45	
For Work In Restricted Working Space, Add	163.34	
02 82 00 00-0019 LF >3 To 20 LF Additional Glove Bag Work For Pipe Insulation	80.66	
For Work In Restricted Working Space, Add	24.20	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0020 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	31.31 9.39	
02 82 00 00-0021 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	23.48 7.04	
02 82 00 00-0022 LF >500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	17.61 5.28	
02 82 00 00-0023 Thermal Insulation, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 00 00-0023) Note: e.g., duct, boiler, tank, etc.		
02 82 00 00-0025 EA Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0026 SF >10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.65	
02 82 00 00-0027 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	20.20	
02 82 00 00-0028 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	15.15	
02 82 00 00-0029 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	11.36	
02 82 00 00-0030 Surfacing Material, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0031 Fireproofing, Asbestos Abatement And Disposal (02 82 00 00-0030) Note: Exposed surface area, includes associated overspray.		
02 82 00 00-0032 EA Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0033 SF >10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	30.77	
02 82 00 00-0034 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	23.07	
02 82 00 00-0035 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	17.31	
02 82 00 00-0036 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	12.98	
02 82 00 00-0037 Acoustical Plaster, Asbestos Abatement And Disposal (02 82 00 00-0030) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 00 00-0038 EA Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0039 SF >10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.85	
02 82 00 00-0040 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.72	
02 82 00 00-0041 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	7.21	
02 82 00 00-0042 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	5.33	
02 82 00 00-0043 Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 00 00-0030)		
02 82 00 00-0044 EA Up To 10 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	501.58	
02 82 00 00-0045 SF >10 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	9.88	
02 82 00 00-0046 SF >500 To 2,500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	7.21	
02 82 00 00-0047 SF >2,500 To 10,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	5.65	
02 82 00 00-0048 SF >10,000 To 50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	4.39	
02 82 00 00-0049 SF >50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	3.14	
02 82 00 00-0050 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 00 00-0030)		
02 82 00 00-0051 EA Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	501.58	
02 82 00 00-0052 SF >10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	18.75	
02 82 00 00-0053 SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.73	
02 82 00 00-0054 SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.72	
02 82 00 00-0055 SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.34	
02 82 00 00-0056 SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	5.96	
02 82 00 00-0057 Stucco, Asbestos Abatement And Disposal (02 82 00 00-0030)		
02 82 00 00-0058 EA Up To 10 SF, Stucco, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0059 SF >10 To 500 SF, Stucco, Asbestos Abatement And Disposal	21.80	
02 82 00 00-0060 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	16.35	
02 82 00 00-0061 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	12.26	
02 82 00 00-0062 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal	9.20	
02 82 00 00-0063 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 00 00-0030)		
02 82 00 00-0064 EA Up To 10 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0065 SF >10 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	8.36	
02 82 00 00-0066 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	6.27	
02 82 00 00-0067 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	4.70	
02 82 00 00-0068 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	3.52	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0069 Plywood, Asbestos Abatement And Disposal (02 82 00 00-0030)		
02 82 00 00-0070 EA Up To 10 SF, Plywood, Asbestos Abatement And Disposal.....	501.58	
02 82 00 00-0071 SF >10 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	10.66	
02 82 00 00-0072 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	5.13	
02 82 00 00-0073 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	3.46	
02 82 00 00-0074 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal.....	2.94	
02 82 00 00-0075 Flooring Material, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0076 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 00 00-0075)		
02 82 00 00-0077 Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 00 00-0076)		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 00 00-0078 EA Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	501.58	
02 82 00 00-0079 SF >10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	5.13	
For Each Additional Layer, Add	1.28	
02 82 00 00-0080 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	3.23	
For Each Additional Layer, Add	0.81	
02 82 00 00-0081 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	2.04	
For Each Additional Layer, Add	0.51	
02 82 00 00-0082 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	1.29	
For Each Additional Layer, Add	0.32	
02 82 00 00-0083 Carpet, Asbestos Abatement And Disposal (02 82 00 00-0076)		
02 82 00 00-0084 EA Up To 10 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	501.58	
02 82 00 00-0085 SF >10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.97	
02 82 00 00-0086 SF >500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.58	
02 82 00 00-0087 SF >2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.68	
02 82 00 00-0088 SF >10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.09	
02 82 00 00-0089 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 00 00-0076)		
Note: Up to 12".		
02 82 00 00-0090 EA Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	188.09	
02 82 00 00-0091 LF >10 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.34	
02 82 00 00-0092 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.01	
02 82 00 00-0093 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.26	
02 82 00 00-0094 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	0.88	
02 82 00 00-0095 Mastic, Asbestos Abatement And Disposal (02 82 00 00-0075)		
Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 00 00-0096 EA Up To 10 SF, Mastic, Asbestos Abatement And Disposal.....	501.58	
Note: Applies to bottom layer only if multiple layers.		
02 82 00 00-0097 SF >10 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	1.28	
Note: Applies to bottom layer only if multiple layers.		
02 82 00 00-0098 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	0.64	
Note: Applies to bottom layer only if multiple layers.		
02 82 00 00-0099 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.42	
Note: Applies to bottom layer only if multiple layers.		
02 82 00 00-0100 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.27	
Note: Applies to bottom layer only if multiple layers.		
02 82 00 00-0101 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 00 00-0075)		
Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 00 00-0102 EA Up To 10 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	501.58	
02 82 00 00-0103 SF >10 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.93	
02 82 00 00-0104 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.33	
02 82 00 00-0105 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.38	
02 82 00 00-0106 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.63	
02 82 00 00-0107 Roofing, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0108 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 00 00-0107)		
Note: Includes paint, flashing, sheet metal, insulation, pitch pockets, etc.		
02 82 00 00-0109 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 00 00-0108)		



Existing Conditions	02
Facility Remediation	02 80
Asbestos Remediation	02 82

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0110 EA Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0111 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.01	
02 82 00 00-0112 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.21	
02 82 00 00-0113 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.57	
02 82 00 00-0114 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.92	
02 82 00 00-0115 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.44	
02 82 00 00-0116 >2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 00 00-0108)		
02 82 00 00-0117 EA Up To 110 SF, >2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0118 SF >110 To 1,000 SF, >2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.56	
02 82 00 00-0119 SF >1,000 To 5,000 SF, >2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.64	
02 82 00 00-0120 SF >5,000 To 10,000 SF, >2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.93	
02 82 00 00-0121 SF >10,000 To 20,000 SF, >2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.20	
02 82 00 00-0122 SF >20,000 SF, >2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.64	
02 82 00 00-0123 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 00 00-0107)		
02 82 00 00-0124 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 00 00-0123)		
02 82 00 00-0125 EA Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	501.58	
Note: Single or first of multiple layers.		
02 82 00 00-0126 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	4.01	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	1.00	
02 82 00 00-0127 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.21	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.80	
02 82 00 00-0128 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.57	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.64	
02 82 00 00-0129 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.92	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.48	
02 82 00 00-0130 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.44	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.36	
02 82 00 00-0131 Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 00 00-0107)		
02 82 00 00-0132 EA Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	125.39	
02 82 00 00-0133 SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.57	
02 82 00 00-0134 SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.29	
02 82 00 00-0135 SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.03	
02 82 00 00-0136 SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	0.75	
02 82 00 00-0137 Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 00 00-0107)		
02 82 00 00-0138 EA Up To 10 SF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	125.39	
02 82 00 00-0139 LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.70	
02 82 00 00-0140 LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.76	
02 82 00 00-0141 LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.14	
02 82 00 00-0142 LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	2.26	
02 82 00 00-0143 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0144 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 00 00-0143)		
Note: Includes detachment of mounted objects before removal.		
02 82 00 00-0145 EA Up To 10 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	501.58	
Note: Includes detachment of mounted objects before removal.		
02 82 00 00-0146 SF >10 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	5.13	
Note: Includes detachment of mounted objects before removal.		
02 82 00 00-0147 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.57	
Note: Includes detachment of mounted objects before removal.		
02 82 00 00-0148 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.05	
Note: Includes detachment of mounted objects before removal.		
02 82 00 00-0149 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.78	
Note: Includes detachment of mounted objects before removal.		
02 82 00 00-0150 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 00 00-0143)		
02 82 00 00-0151 EA Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0152 SF >10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.46	
02 82 00 00-0153 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.28	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0154	SF		>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.83	
02 82 00 00-0155	SF		>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.59	
02 82 00 00-0156			Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal <small>(02 82 00 00-0143)</small>		
02 82 00 00-0157	EA		Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	501.58	
02 82 00 00-0158	LF		>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.65	
02 82 00 00-0159	LF		>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.24	
02 82 00 00-0160	LF		>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.43	
02 82 00 00-0161	LF		>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	10.82	
02 82 00 00-0162	LF		>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	8.12	
02 82 00 00-0163	LF		>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	7.92	
02 82 00 00-0164			Exterior Transite Siding, Asbestos Abatement And Disposal <small>(02 82 00 00-0143)</small>		
02 82 00 00-0165	EA		Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	501.58	
			Note: Single or first of multiple layers.		
02 82 00 00-0166	SF		>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.01	
			Note: Single or first of multiple layers.		
02 82 00 00-0167	SF		>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.21	
			Note: Single or first of multiple layers.		
02 82 00 00-0168	SF		>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.57	
			Note: Single or first of multiple layers.		
02 82 00 00-0169	SF		>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.92	
			Note: Single or first of multiple layers.		
02 82 00 00-0170	SF		>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1.44	
			Note: Single or first of multiple layers.		
02 82 00 00-0171			Asbestos Contaminated Debris, Asbestos Abatement And Disposal <small>(02 82)</small>		
02 82 00 00-0172			Asbestos Contaminated Debris, Asbestos Abatement And Disposal <small>(02 82 00 00-0171)</small>		
02 82 00 00-0173	EA		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	501.58	
			<i>For Work In Restricted Working Space, Add</i>	150.47	
02 82 00 00-0174	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	49.88	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
02 82 00 00-0175	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	33.24	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
02 82 00 00-0176	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	24.98	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
02 82 00 00-0177	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	19.95	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
02 82 00 00-0178	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	16.95	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
02 82 00 00-0179	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	15.26	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
02 82 00 00-0180			Asbestos Contaminated Soil, Asbestos Abatement And Disposal <small>(02 82 00 00-0171)</small>		
02 82 00 00-0181	EA		Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	721.02	
			<i>For Work In Restricted Working Space, Add</i>	216.31	
02 82 00 00-0182	CF		>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	49.88	
			<i>For Work In Restricted Working Space, Add</i>	14.96	
02 82 00 00-0183	CF		>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	33.24	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
02 82 00 00-0184	CF		>250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal.....	24.98	
02 82 00 00-0185	CF		>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	19.95	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
02 82 00 00-0186	CF		>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	16.95	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
02 82 00 00-0187	CF		>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	15.26	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
02 82 00 00-0188			Other Asbestos Containing Materials, Asbestos Abatement And Disposal <small>(02 82)</small>		
02 82 00 00-0189			30" To 36" Fire Door, Asbestos Abatement And Disposal <small>(02 82 00 00-0188)</small>		
02 82 00 00-0190	EA		Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	100.31	
02 82 00 00-0191	EA		>5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	38.47	
02 82 00 00-0192	EA		>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	25.65	
02 82 00 00-0193			HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal <small>(02 82 00 00-0188)</small>		
02 82 00 00-0194	EA		Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	250.79	
02 82 00 00-0195	LF		>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.13	
02 82 00 00-0196	LF		>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.84	
02 82 00 00-0197	LF		>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.31	
02 82 00 00-0198	LF		>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.85	
02 82 00 00-0199	LF		>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0200 LF >2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.10	
02 82 00 00-0201 Grout, Asbestos Abatement And Disposal (02 82 00 00-0188)		
Note: e.g. flue grout.		
02 82 00 00-0202 EA Up To 10 LF, Grout, Asbestos Abatement And Disposal	188.09	
02 82 00 00-0203 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal	9.88	
02 82 00 00-0204 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal	6.80	
02 82 00 00-0205 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal	5.82	
02 82 00 00-0206 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	5.00	
02 82 00 00-0207 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	4.31	
02 82 00 00-0208 LF >2,500 LF, Grout, Asbestos Abatement And Disposal	3.69	
02 82 00 00-0209 Gaskets, Asbestos Abatement And Disposal (02 82 00 00-0188)		
Note: e.g. rope, web cloth, flat.		
02 82 00 00-0210 EA Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	188.09	
02 82 00 00-0211 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.30	
02 82 00 00-0212 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	9.98	
02 82 00 00-0213 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.49	
02 82 00 00-0214 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	7.65	
02 82 00 00-0215 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.87	
02 82 00 00-0216 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.54	
02 82 00 00-0217 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 00 00-0188)		
Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 82 00 00-0218 EA Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0219 SF >50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	10.66	
02 82 00 00-0220 SF >1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	5.13	
02 82 00 00-0221 SF >2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	3.46	
02 82 00 00-0222 SF >10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	2.94	
02 82 00 00-0223 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 00 00-0188)		
Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 00 00-0224 EA Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	501.58	
02 82 00 00-0225 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.66	
02 82 00 00-0226 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.13	
02 82 00 00-0227 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.46	
02 82 00 00-0228 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	2.94	
02 82 00 00-0229 Caulking, Asbestos Abatement And Disposal (02 82 00 00-0188)		
02 82 00 00-0230 Caulking, Asbestos Abatement And Disposal (02 82 00 00-0229)		
02 82 00 00-0231 EA Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	188.09	
02 82 00 00-0232 LF >10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	3.70	
02 82 00 00-0233 LF >50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.61	
02 82 00 00-0234 LF >100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	1.94	
02 82 00 00-0235 LF >250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	1.46	
02 82 00 00-0236 LF >1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	1.15	
02 82 00 00-0237 LF >2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	1.00	
02 82 00 00-0238 Asbestos Encapsulation (Lock-Down) (02 82)		
02 82 00 00-0239 SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.06	
02 82 00 00-0240 SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	1.53	
02 82 00 00-0241 SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.45	
02 82 00 00-0242 SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	1.65	
02 82 00 00-0243 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	4.63	
02 82 00 00-0244 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	5.16	
02 82 00 00-0245 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82)		
Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM).		
02 82 00 00-0246 HR Bulk Sampling Or Air Monitoring, Asbestos Testing	60.49	
02 82 00 00-0247 EA (Bulk) PCM Test, Asbestos Testing	7.79	
02 82 00 00-0248 EA (Bulk) PCM Test, 24 Hour Turnaround, Asbestos Testing	9.73	
02 82 00 00-0249 EA (Bulk) PCM Test, Rush Turnaround, Asbestos Testing	11.68	
02 82 00 00-0250 EA (Bulk Point Counting) PLM Test, Asbestos Testing	15.57	
02 82 00 00-0251 EA (Bulk Point Counting) PLM Test, 24 Hour Turnaround, Asbestos Testing	19.46	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 00 00-0252	EA	(Bulk Point Counting) PLM Test, Rush Turnaround, Asbestos Testing.....	23.36
02 82 00 00-0253	EA	(Bulk) TEM Test, Asbestos Testing.....	46.71
02 82 00 00-0254	EA	(Bulk) TEM Test, 24 Hour Turnaround, Asbestos Testing	50.60
02 82 00 00-0255	EA	(Air) PCM Test, Asbestos Testing.....	8.17
02 82 00 00-0256	EA	(Air) PCM Test, 24 Hour Turnaround, Asbestos Testing.....	8.75
02 82 00 00-0257	EA	(Air) PCM Test, Rush Turnaround, Asbestos Testing	9.34
02 82 00 00-0258	EA	(Air) TEM Test, Asbestos Testing.....	46.71
02 82 00 00-0259	EA	(Air) TEM Test, 24 Hour Turnaround, Asbestos Testing.....	50.60
02 82 00 00-0260	EA	(Air) TEM Test, Rush Turnaround, Asbestos Testing	62.28

02 83 Lead Remediation (02 80)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0035 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0001 for transportation and disposal of hazardous material into approved facility., 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation (02 83)**02 83 19 13 Lead-Based Paint Abatement (02 83 19)****02 83 19 13-0001 Sampling And Testing (02 83 19 13)**

Note: Includes taking sample, delivery to lab and lab fee.

02 83 19 13-0002	EA	X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	35.10
02 83 19 13-0003	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee	33.60
02 83 19 13-0004	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	50.91
02 83 19 13-0005	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	71.27
02 83 19 13-0006	EA	Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee	13.24
02 83 19 13-0007	EA	Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee	20.36
02 83 19 13-0008	EA	Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee	25.46
02 83 19 13-0009	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	33.60
02 83 19 13-0010	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	50.91
02 83 19 13-0011	EA	Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.60
02 83 19 13-0012	EA	Lead Wipe Samples (24 Hour Turnaround) And Lab Fee.....	7.64
02 83 19 13-0013	EA	Lead Wipe Samples (8 Hour Turnaround) And Lab Fee.....	11.20
02 83 19 13-0014	EA	Lead Air Samples (5 Day Turn -Around) And Lab Fee	5.60
02 83 19 13-0015	EA	Lead Air Samples (24 Hour Turnaround) And Lab Fee.....	7.64
02 83 19 13-0016	EA	Lead Air Samples (8 Hour Turnaround) And Lab Fee.....	11.20
02 83 19 13-0017	EA	Lead Water Test (5 Day Turnaround) and Lab Fee	20.36
02 83 19 13-0018	EA	Lead Water Test (24 Hour Turnaround) and Lab Fee.....	30.55
02 83 19 13-0019	EA	Lead Water Test (8 Hour Turnaround) and Lab Fee.....	40.73
02 83 19 13-0020	EA	Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	21.06
02 83 19 13-0021	EA	Lead Soil Test (5 Day Turnaround) and Lab Fee.....	42.12
02 83 19 13-0022	EA	Sample Pickup, Per Trip	30.55

02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)

02 83 19 13-0024	EA	Lead-Based Paint Remediation Minimum Show Up Charge.....	761.29
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Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.

02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0026	SF	Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material	24.19
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	36.15
02 83 19 13-0028	LF	Up To 6" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material.....	10.29
02 83 19 13-0029	LF	>6" To 12" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material	21.38
02 83 19 13-0030	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material.....	6.68
02 83 19 13-0031	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material.....	25.93
02 83 19 13-0032	SF	Cabinets, Simple Design, Chemical Stripping Of Lead Contaminated Material	20.25
02 83 19 13-0033	SF	Ceilings, All, Chemical Stripping Of Lead Contaminated Material.....	9.38
02 83 19 13-0034	SF	Columns, Chemical Stripping Of Lead Contaminated Material	8.88
02 83 19 13-0035	SF	Cornice, Simple, Chemical Stripping Of Lead Contaminated Material.....	11.00
02 83 19 13-0036	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material.....	32.16
02 83 19 13-0037	SF	Doors, One Side Flush, Chemical Stripping Of Lead Contaminated Material	7.87
02 83 19 13-0038	SF	Doors, One Panel, Chemical Stripping Of Lead Contaminated Material.....	8.23
02 83 19 13-0039	SF	Doors, Four Panel, Chemical Stripping Of Lead Contaminated Material	14.50
02 83 19 13-0040	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	106.76
02 83 19 13-0041	LF	Trim Or Frames, One Side, Chemical Stripping Of Lead Contaminated Material	10.23
02 83 19 13-0042	LF	Up To 2" Electrical Conduit, Chemical Stripping Of Lead Contaminated Material	4.42
02 83 19 13-0043	SF	Fence, Picket, Chemical Stripping Of Lead Contaminated Material.....	21.72
02 83 19 13-0044	SF	Floors, Wood, Chemical Stripping Of Lead Contaminated Material.....	5.43
02 83 19 13-0045	SF	Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material.....	25.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0046 SF Grilles, Simple, Chemical Stripping Of Lead Contaminated Material	21.67	
02 83 19 13-0047 EA Hinges, Chemical Stripping Of Lead Contaminated Material	13.17	
02 83 19 13-0048 EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	16.39	
02 83 19 13-0049 LF Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	7.31	
02 83 19 13-0050 LF >4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	13.12	
02 83 19 13-0051 LF >8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	18.07	
02 83 19 13-0052 LF >12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	32.61	
02 83 19 13-0053 SF >16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	9.81	
02 83 19 13-0054 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	196.53	
02 83 19 13-0055 EA Shutters Front And Back Louvered, Up To 6', Chemical Stripping Of Lead Contaminated Material	220.15	
02 83 19 13-0056 EA Shutters Flat, Chemical Stripping Of Lead Contaminated Material	161.44	
02 83 19 13-0057 SF Siding, Chemical Stripping Of Lead Contaminated Material	7.42	
02 83 19 13-0058 SF Soffit, Chemical Stripping Of Lead Contaminated Material	16.29	
02 83 19 13-0059 SF Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material	7.25	
02 83 19 13-0060 SF Steel Beams, Chemical Stripping Of Lead Contaminated Material	8.27	
02 83 19 13-0061 SF Trusses, Chemical Stripping Of Lead Contaminated Material	11.90	
02 83 19 13-0062 SF Walls, Wood, Chemical Stripping Of Lead Contaminated Material	8.27	
02 83 19 13-0063 SF Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	19.64	
02 83 19 13-0064 SF Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	21.54	
02 83 19 13-0065 SF Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	22.82	
02 83 19 13-0066 SF Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	24.11	
02 83 19 13-0067 SF Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	25.39	
02 83 19 13-0068 SF Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	26.73	
02 83 19 13-0069 SF Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	27.98	
02 83 19 13-0070 SF Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	28.62	
02 83 19 13-0071 SF Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	29.28	
02 83 19 13-0072 SF Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	29.90	
02 83 19 13-0073 SF Metal Stair, Chemical Stripping Of Lead Contaminated Material	39.20	
02 83 19 13-0074 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	19.70	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
02 83 19 13-0075 LF Ornate Railings, Chemical Stripping Of Lead Contaminated Material	6.62	

02 83 19 13-0076

Demolition Of Lead Contaminated Material (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0077 SF Ceiling Including Suspension System, Plaster, Lath, Demolition Of Lead Contaminated Material	1.76	
02 83 19 13-0078 SF Suspended Acoustical Ceiling System, Including Tile, Demolition Of Lead Contaminated Material	1.03	
02 83 19 13-0079 SF Acoustical Ceiling Tile, Demolition Of Lead Contaminated Material	0.65	
02 83 19 13-0080 SF Metal Pan Grid System, Demolition Of Lead Contaminated Material	1.02	
02 83 19 13-0081 EA Up To 2' x 4' Light Fixtures, Demolition Of Lead Contaminated Material	49.18	
02 83 19 13-0082 EA >2' x 4' Light Fixtures, Demolition Of Lead Contaminated Material	65.24	
02 83 19 13-0083 SF Partitions Non Load Bearing, Plaster, Lath And Studs, Demolition Of Lead Contaminated Material	7.29	
02 83 19 13-0084 SF Partitions Non Load Bearing, Gypsum Board And Studs, Demolition Of Lead Contaminated Material	4.08	
02 83 19 13-0085 SF Lead Paint On Brick Or Concrete Block, Demolition Of Lead Contaminated Material	4.48	
02 83 19 13-0086 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.45	
02 83 19 13-0087 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.60	
02 83 19 13-0088 SF Balustrades And Railings, Demolition Of Lead Contaminated Material	5.10	
02 83 19 13-0089 LF Up To 6" Wide Baseboard, Demolition Of Lead Contaminated Material	1.33	
02 83 19 13-0090 LF >6" To 12" Wide Baseboard, Demolition Of Lead Contaminated Material	1.66	
02 83 19 13-0091 LF Base Shoe Molding, Demolition Of Lead Contaminated Material	1.08	
02 83 19 13-0092 SF Brick, Demolition Of Lead Contaminated Material	3.08	
02 83 19 13-0093 SF Concrete Block, Demolition Of Lead Contaminated Material	3.96	
02 83 19 13-0094 SF Concrete, Demolition Of Lead Contaminated Material	10.14	
02 83 19 13-0095 LF Cabinets, Demolition Of Lead Contaminated Material	23.63	
02 83 19 13-0096 SF Ceilings, Gypsum Board, Demolition Of Lead Contaminated Material	1.33	
02 83 19 13-0097 SF Up To 12" Diameter Columns, Demolition Of Lead Contaminated Material	13.09	
02 83 19 13-0098 SF Cornice, Demolition Of Lead Contaminated Material	1.74	
02 83 19 13-0099 EA Doors, Demolition Of Lead Contaminated Material	51.26	
02 83 19 13-0100 LF Door And Window Trim Or Frames, Demolition Of Lead Contaminated Material	1.56	
02 83 19 13-0101 EA Electrical Devices, Demolition Of Lead Contaminated Material	15.73	
02 83 19 13-0102 LF Up To 1" Diameter Electrical Conduit, Demolition Of Lead Contaminated Material	2.02	
02 83 19 13-0103 LF >1" To 2" Diameter Electrical Conduit, Demolition Of Lead Contaminated Material	3.36	
02 83 19 13-0104 SF Fence, Picket, Demolition Of Lead Contaminated Material	1.93	
02 83 19 13-0105 SF Wood Floors, Demolition Of Lead Contaminated Material	2.41	
02 83 19 13-0106 SF Grilles, Demolition Of Lead Contaminated Material	2.84	
02 83 19 13-0107 EA Hinges, Demolition Of Lead Contaminated Material	5.72	
02 83 19 13-0108 EA Up To 6" Diameter Hangers, Demolition Of Lead Contaminated Material	12.28	
02 83 19 13-0109 LF Up To 2" Diameter Pipes, Demolition Of Lead Contaminated Material	5.04	
02 83 19 13-0110 LF >2" To 4" Diameter Pipes, Demolition Of Lead Contaminated Material	7.35	
02 83 19 13-0111 LF >4" To 8" Diameter Pipes, Demolition Of Lead Contaminated Material	11.11	
02 83 19 13-0112 LF >8" To 12" Diameter Pipes, Demolition Of Lead Contaminated Material	20.48	
02 83 19 13-0113 EA Radiators, Demolition Of Lead Contaminated Material	88.47	
02 83 19 13-0114 EA Shutters And Louvered, Up To 6', Demolition Of Lead Contaminated Material	34.47	
02 83 19 13-0115 SF Siding, Demolition Of Lead Contaminated Material	1.36	
02 83 19 13-0116 SF Up To 12" Wide Soffit, Demolition Of Lead Contaminated Material	1.17	
02 83 19 13-0117 SF Steel, Flat Surfaces And Tanks Up To 12', Demolition Of Lead Contaminated Material	3.19	
02 83 19 13-0118 SF Steel Beams, Demolition Of Lead Contaminated Material	3.76	
02 83 19 13-0119 SF Trusses, Demolition Of Lead Contaminated Material	4.92	
02 83 19 13-0120 SF Walls, Wood, Demolition Of Lead Contaminated Material	3.64	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0121	SF	Windows, Demolition Of Lead Contaminated Material.....	12.24
02 83 19 13-0122	SF	Metal Stair, Demolition Of Lead Contaminated Material	5.86
02 83 19 13-0123	LF	Metal Railing And Posts, Demolition Of Lead Contaminated Material	7.03
02 83 19 13-0124	SF	Plywood, Demolition Of Lead Contaminated Material.....	5.29
02 83 19 13-0125	SF	Planks (Various Sizes), Demolition Of Lead Contaminated Material	2.58
02 83 19 13-0126	SF	Ceramic Tile, Walls Or Floor, Demolition Of Lead Contaminated Material	2.98
02 83 19 13-0127	EA	Metal Brackets Or Other Small Metal Shapes, Demolition Of Lead Contaminated Material	16.15
02 83 19 13-0128	SF	Ceramic Tile Block, Demolition Of Lead Contaminated Material	3.53
02 83 19 13-0129	LF	Metal Hand Rails, Demolition Of Lead Contaminated Material	4.30
02 83 19 13-0130	LF	Metal Guard Rails, Demolition Of Lead Contaminated Material	9.69
02 83 19 13-0131	LF	Roof Metal Trim, Demolition Of Lead Contaminated Material.....	2.07
02 83 19 13-0132	LF	Rain Gutters, Demolition Of Lead Contaminated Material	2.26
02 83 19 13-0133	LF	Downspouts, Demolition Of Lead Contaminated Material	2.26
02 83 19 13-0134	LF	Roof Metal Flashing, Demolition Of Lead Contaminated Material	2.07
02 83 19 13-0135	LF	Fascia Board Up To 12", Demolition Of Lead Contaminated Material	5.16
02 83 19 13-0136	SF	Up To 100 SF Gypsum Wall Board, Demolition Of Lead Contaminated Material	5.16
02 83 19 13-0137	SF	>100 To 500 SF Gypsum Wall Board, Demolition Of Lead Contaminated Material.....	3.72
02 83 19 13-0138	SF	>500 To 2,500 SF Gypsum Wall Board, Demolition Of Lead Contaminated Material.....	2.91
02 83 19 13-0139	SF	>2,500 SF Gypsum Wall Board, Demolition Of Lead Contaminated Material	2.26
02 83 19 13-0140	SF	Up To 100 SF Plaster/Stucco, Demolition Of Lead Contaminated Material	16.15
02 83 19 13-0141	SF	>100 To 500 SF Plaster/Stucco, Demolition Of Lead Contaminated Material.....	11.48
02 83 19 13-0142	SF	>500 To 2,500 SF Plaster/Stucco, Demolition Of Lead Contaminated Material.....	8.61
02 83 19 13-0143	SF	>2,500 To 10,000 SF Plaster/Stucco, Demolition Of Lead Contaminated Material.....	6.46

02 83 19 13-0144	Wet Sanding Of Lead Contaminated Material (02 83 19 13)		
02 83 19 13-0145	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.40

02 83 19 13-0146	Lead Abatement Encapsulation (02 83 19 13)		
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.			

02 83 19 13-0147	SF	Balustrades, Lead Abatement Encapsulation	4.44
02 83 19 13-0148	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	5.14
02 83 19 13-0149	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	6.92
02 83 19 13-0150	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	2.84
02 83 19 13-0151	SF	Ornate Cabinets, Lead Abatement Encapsulation	6.43
02 83 19 13-0152	SF	Simple Design Cabinets, Lead Abatement Encapsulation	5.24
02 83 19 13-0153	SF	Drywall Ceilings, Lead Abatement Encapsulation.....	1.77
02 83 19 13-0154	SF	Wood Ceilings, Lead Abatement Encapsulation	2.16
02 83 19 13-0155	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.00
02 83 19 13-0156	SF	Columns, Lead Abatement Encapsulation	3.44
02 83 19 13-0157	SF	Doors, Lead Abatement Encapsulation.....	7.56
02 83 19 13-0158	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	2.91
02 83 19 13-0159	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	2.05
02 83 19 13-0160	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.70
02 83 19 13-0161	SF	Grilles, Vents, Lead Abatement Encapsulation	4.79
02 83 19 13-0162	LF	Gutters And Downspouts, Lead Abatement Encapsulation	4.44
02 83 19 13-0163	EA	Hangers, Lead Abatement Encapsulation.....	37.96
02 83 19 13-0164	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.69
02 83 19 13-0165	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.87
02 83 19 13-0166	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.00
02 83 19 13-0167	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	8.85
02 83 19 13-0168	EA	Radiators, Lead Abatement Encapsulation.....	162.12
02 83 19 13-0169	EA	Up To 6' Shutters, Lead Abatement Encapsulation	140.08
02 83 19 13-0170	SF	Siding, Lead Abatement Encapsulation	2.44
02 83 19 13-0171	SF	Up To 12" Soffit, Lead Abatement Encapsulation.....	3.44
02 83 19 13-0172	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	2.84
02 83 19 13-0173	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	3.73
02 83 19 13-0174	SF	Trusses, Lead Abatement Encapsulation	3.73
02 83 19 13-0175	SF	Drywall Walls, Lead Abatement Encapsulation.....	1.59
02 83 19 13-0176	SF	Wood Walls, Lead Abatement Encapsulation	1.94
02 83 19 13-0177	EA	Double Hung Window, Lead Abatement Encapsulation	140.28
02 83 19 13-0178	EA	Colonial Window, Lead Abatement Encapsulation	164.85
02 83 19 13-0179	LF	Frames And Trim, Lead Abatement Encapsulation.....	2.54
02 83 19 13-0180	LF	Steel Lintels, Lead Abatement Encapsulation.....	2.92

02 83 33 Removal and Disposal of Material Containing Lead (02 83)**02 83 33 13 Lead-Based Paint Removal and Disposal** (02 83 33)

02 83 33 13-0001	Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.21
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate.....	0.25
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	1.02

02 84 Polychlorinate Biphenyl Remediation (02 84)**02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury** (02 84)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0001				Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures <small>(02 84 16)</small> Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA			Remove TSCA-Exempt PCB And Non-PCB Ballast From A Demolished Fixture For Recycling.....	6.59	
02 84 16 00-0003				Recycle TSCA-Exempt PCB And Non-PCB Ballasts <small>(02 84 16)</small> Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA			Recycle Non-PCB Ballast Removed From Up To 4' Length Fixtures.....	0.85	
02 84 16 00-0005	EA			Recycle Non-PCB Ballast Removed From >4' To 8' Length Fixtures	1.27	
02 84 16 00-0006	EA			Recycle TSCA-Exempt PCB Ballast Removed From Up To 4' Length Fixtures	3.96	
02 84 16 00-0007	EA			Recycle TSCA-Exempt PCB Ballast Removed From >4' To 8' Length Fixtures	9.06	
02 84 16 00-0008				Disposal Of Leaking PCB And Non-PCB Ballasts <small>(02 84 16)</small> Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA			Dispose Of Leaking Non-PCB Ballast Removed From Up To 4' Length Fixtures	2.12	
02 84 16 00-0010	EA			Dispose Of Leaking Non-PCB Ballast Removed From >4' To 8' Length Fixtures.....	3.18	
02 84 16 00-0011	EA			Dispose Of Leaking PCB Ballast Removed From Up To 4' Length Fixtures.....	5.94	
02 84 16 00-0012	EA			Dispose Of Leaking PCB Ballast Removed From >4' To 8' Length Fixtures.....	13.59	
02 84 33				Removal and Disposal of Polychlorinate Biphenyls <small>(02 84)</small>		
02 84 33 00-0001				Removal And Disposal Of Polychlorinate Biphenyls Oil Filled Transformers <small>(02 84 33)</small> Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002	EA			Removal And Disposal Of Transformers 2.5/3.5 KVA, Non PCB.....	1,613.81	
02 84 33 00-0003	EA			Removal And Disposal Of Transformers 20 KVA, Non PCB..... Note: Includes disposal costs.	2,506.88	
02 84 33 00-0004	EA			Removal And Disposal Of Switch, Non PCB	760.88	
02 84 33 00-0005	EA			Removal And Disposal Of Transformers 2.5/3.5 KVA, PCB	2,945.67	
02 84 33 00-0006	EA			Removal And Disposal Of Switch, PCB	1,628.68	
02 84 33 00-0007	EA			Removal And Disposal Of Transformers 20 KVA, PCB	4,600.24	
				Note: Includes disposal costs.		
02 85				Mold Remediation <small>(02 80)</small> Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0035 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.		
02 85 00 00-0001				Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal <small>(02 85)</small> Note: Treat fittings as additional lf of insulation.		
02 85 00 00-0002				Pipe Insulation, Mold Abatement And Disposal <small>(02 85 00 00-0001)</small> Note: Diameter is outer size of insulation.		
02 85 00 00-0003				Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 85 00 00-0002)</small> Note: Excludes encased fittings.		
02 85 00 00-0004	LF			Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	25.99	
02 85 00 00-0005	LF			>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.39	
02 85 00 00-0006	LF			>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.55	
02 85 00 00-0007	LF			>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	10.91	
02 85 00 00-0008	LF			>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.18	
02 85 00 00-0009	LF			>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.12	
02 85 00 00-0010				>6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 85 00 00-0002)</small>		
02 85 00 00-0011	LF			Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.88	
02 85 00 00-0012	LF			>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.30	
02 85 00 00-0013	LF			>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.73	
02 85 00 00-0014	LF			>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.54	
02 85 00 00-0015	LF			>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.41	
02 85 00 00-0016	LF			>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.18	
02 85 00 00-0017				Thermal Insulation, Mold Abatement And Disposal <small>(02 85)</small>		
02 85 00 00-0018				Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal <small>(02 85 00 00-0017)</small>		
02 85 00 00-0019	SF			Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	15.68	
02 85 00 00-0020	SF			>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.15	
02 85 00 00-0021	SF			>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.36	
02 85 00 00-0022	SF			>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	6.27	
02 85 00 00-0023	SF			>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.80	

02 Existing Conditions**02 80 Facility Remediation****02 85 Mold Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 85 00 00-0024	Surfacing Material, Mold Abatement And Disposal (02 85)	
	Note: e.g. fireproofing, acoustical plaster, etc.	
02 85 00 00-0025	Stucco, Mold Abatement And Disposal (02 85 00 00-0024)	
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 85 00 00-0026	SF Up To 100 SF, Stucco, Mold Abatement And Disposal.....	15.68
02 85 00 00-0027	SF >100 To 500 SF, Stucco, Mold Abatement And Disposal.....	11.15
02 85 00 00-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	8.36
02 85 00 00-0029	SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal.....	6.27
02 85 00 00-0030	SF >10,000 SF, Stucco, Mold Abatement And Disposal.....	4.71
02 85 00 00-0031	Acoustical Plaster, Mold Abatement And Disposal (02 85 00 00-0024)	
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 85 00 00-0032	SF Up To 100 SF, Acoustical Plaster, Mold Abatement And Disposal.....	15.68
02 85 00 00-0033	SF >100 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	11.15
02 85 00 00-0034	SF >500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	8.36
02 85 00 00-0035	SF >2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	6.27
02 85 00 00-0036	SF >10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	4.71
02 85 00 00-0037	Gypsum Board, Mold Abatement And Disposal (02 85 00 00-0024)	
02 85 00 00-0038	SF Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	5.01
02 85 00 00-0039	SF >100 To 500 SF, Gypsum Board, Mold Abatement And Disposal.....	3.61
02 85 00 00-0040	SF >500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal.....	2.82
02 85 00 00-0041	SF >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal.....	2.19
02 85 00 00-0042	SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal.....	1.57
02 85 00 00-0043	Fireproofing, Mold Abatement And Disposal (02 85 00 00-0024)	
	Note: Exposed surface area, includes associated overspray.	
02 85 00 00-0044	SF Up To 100 SF, Fireproofing, Mold Abatement And Disposal.....	15.68
02 85 00 00-0045	SF >100 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	15.37
02 85 00 00-0046	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	11.53
02 85 00 00-0047	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal.....	8.65
02 85 00 00-0048	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal.....	6.49
02 85 00 00-0049	Flooring, Mold Abatement And Disposal (02 85)	
	Note: Includes cove base.	
02 85 00 00-0050	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 85 00 00-0049)	
02 85 00 00-0051	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 85 00 00-0050)	
	Note: Single layer or first of multiple layers.	
02 85 00 00-0052	SF Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	5.70
	For Each Additional Layer, Add	1.43
02 85 00 00-0053	SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.59
	For Each Additional Layer, Add	0.90
02 85 00 00-0054	SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.93
	For Each Additional Layer, Add	0.48
02 85 00 00-0055	SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.04
	For Each Additional Layer, Add	0.26
02 85 00 00-0056	SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	0.77
	For Each Additional Layer, Add	0.19
02 85 00 00-0057	Carpet, Mold Abatement And Disposal (02 85 00 00-0049)	
02 85 00 00-0058	Carpet, Glue Down, Mold Abatement And Disposal (02 85 00 00-0057)	
02 85 00 00-0059	SF Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	4.56
02 85 00 00-0060	SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.95
02 85 00 00-0061	SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.79
02 85 00 00-0062	SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.14
02 85 00 00-0063	SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	0.84
02 85 00 00-0064	Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 85 00 00-0057)	
02 85 00 00-0065	SF Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal.....	5.01
	Note: Includes tack strips.	
02 85 00 00-0066	SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.34
	Note: Includes tack strips.	
02 85 00 00-0067	SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.38
	Note: Includes tack strips.	
02 85 00 00-0068	SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.86
	Note: Includes tack strips.	
02 85 00 00-0069	SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.40
	Note: Includes tack strips.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 85 00 00-0070 Subflooring, Mold Abatement And Disposal <i>(02 85 00 00-0049)</i>		
02 85 00 00-0071 SF Up To 100 SF, Subflooring, Mold Abatement And Disposal	6.64	
02 85 00 00-0072 SF >100 To 500 SF, Subflooring, Mold Abatement And Disposal	4.14	
02 85 00 00-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	2.60	
02 85 00 00-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	1.50	
02 85 00 00-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal	0.89	
02 85 00 00-0076 Siding, Mold Abatement And Disposal <i>(02 85)</i>		
02 85 00 00-0077 Interior Paneling, Mold Abatement And Disposal <i>(02 85 00 00-0076)</i>		
Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0078 SF Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	5.01	
Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0079 SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	3.57	
Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0080 SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	2.46	
Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0081 SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.36	
Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0082 SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.00	
Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0083 Exterior Siding, Mold Abatement And Disposal <i>(02 85 00 00-0076)</i>		
02 85 00 00-0084 SF Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	6.97	
02 85 00 00-0085 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.48	
02 85 00 00-0086 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.06	
02 85 00 00-0087 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.01	
02 85 00 00-0088 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.79	
02 85 00 00-0089 Contaminated Debris, Mold Abatement And Disposal <i>(02 85)</i>		
02 85 00 00-0090 Contaminated Debris, Mold Abatement And Disposal <i>(02 85 00 00-0089)</i>		
02 85 00 00-0091 CF Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	28.92	
02 85 00 00-0092 CF >10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.35	
02 85 00 00-0093 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.56	
02 85 00 00-0094 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.68	
02 85 00 00-0095 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	6.94	
02 85 00 00-0096 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.79	
02 85 00 00-0097 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.40	
02 85 00 00-0098 Other Mold Containing Materials, Mold Abatement And Disposal <i>(02 85)</i>		
02 85 00 00-0099 Wood Studs, Mold Abatement And Disposal <i>(02 85 00 00-0098)</i>		
Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 85 00 00-0100 LF Up To 100 LF, Wood Studs, Mold Abatement And Disposal	2.81	
02 85 00 00-0101 LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.02	
02 85 00 00-0102 LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.48	
02 85 00 00-0103 LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.14	
02 85 00 00-0104 LF >10,000 LF, Wood Studs, Mold Abatement And Disposal	0.84	
02 85 00 00-0105 Ceiling Tile, Mold Abatement And Disposal <i>(02 85 00 00-0098)</i>		
Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 85 00 00-0106 SF Up To 200 SF, Ceiling Tile, Mold Abatement And Disposal	8.36	
02 85 00 00-0107 SF >200 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	6.27	
02 85 00 00-0108 SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	2.86	
02 85 00 00-0109 SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.01	
02 85 00 00-0110 SF >10,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.79	
02 85 00 00-0111 Caulking, Mold Abatement And Disposal <i>(02 85 00 00-0098)</i>		
02 85 00 00-0112 LF Up To 10 LF, Caulking, Mold Abatement And Disposal	2.95	
02 85 00 00-0113 LF >10 To 50 LF, Caulking, Mold Abatement And Disposal	2.51	
02 85 00 00-0114 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal	1.79	
02 85 00 00-0115 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal	1.35	
02 85 00 00-0116 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.00	
02 85 00 00-0117 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.81	
02 85 00 00-0118 LF >2,500 LF, Caulking, Mold Abatement And Disposal	0.70	
02 85 00 00-0119 Wipe Down Walls, Ceilings And Floors <i>(02 85 00 00-0098)</i>		
02 85 00 00-0120 CSF Wipe Down Floors With Mild Bleach Solution	13.94	
02 85 00 00-0121 CSF Wipe Down Walls With Mild Bleach Solution	16.40	
02 85 00 00-0122 CSF Wipe Down Ceilings With Mild Bleach Solution	18.65	
02 85 00 00-0123 CSF Wipe Down Countertops With Mild Bleach Solution	15.20	
02 85 00 00-0124 CSF Wipe Down Other Surfaces With Mild Bleach Solution	19.30	

02 Existing Conditions**02 80 Facility Remediation****02 85 Mold Remediation**MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

02 85 00 00-0125	Cabinets <small>(02 85 00 00-0098)</small>	
02 85 00 00-0126	LF Up To 20 LF, Base Cabinet, Mold Abatement And Disposal	51.42
02 85 00 00-0127	LF >20 LF, Base Cabinet, Mold Abatement And Disposal	36.30
02 85 00 00-0128	LF Up To 20 LF, Wall Cabinet, Mold Abatement And Disposal.....	45.37
02 85 00 00-0129	LF >20 LF, Wall Cabinet, Mold Abatement And Disposal	30.25

02 87 Bio-Hazard Material Remediation (02 80)

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 00 00-0001	Bird Waste Removal <small>(02 87)</small>	
	Note: In addition to items listed the the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.	
02 87 00 00-0002	EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness.....	501.58
	<i>For Work In Restricted Working Space, Add</i>	150.47
02 87 00 00-0003	SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness	8.36
	<i>For Work In Restricted Working Space, Add</i>	2.51
02 87 00 00-0004	SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness.....	7.60
	<i>For Work In Restricted Working Space, Add</i>	2.28
02 87 00 00-0005	SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	6.90
	<i>For Work In Restricted Working Space, Add</i>	2.07
02 87 00 00-0006	SF >10,000 SF Bird Waste Removal, Up To 3" Thickness.....	6.28
	<i>For Work In Restricted Working Space, Add</i>	1.88

02 89 Hazmat Ancillary Tasks And Support (02 80)

02 89 00 00-0001	Barriers And Protection <small>(02 89)</small>	
	Note: Includes removal and disposal after use.	
02 89 00 00-0002	Isolation Barriers <small>(02 89 00 00-0001)</small>	
	Note: Use framing task with applicable barrier task. See CSI section 01 56 16 00-0016 for temporary stud walls.	
02 89 00 00-0003	SF 1/2" Plywood For Solid Isolation Barrier	2.56
02 89 00 00-0004	SF Plastic Sheeting For Separation Barrier.....	0.30
02 89 00 00-0005	SF 1/2" Drywall For Solid Isolation Barrier.....	1.20
02 89 00 00-0006	SF 5/8" Drywall For Solid Isolation Barrier.....	1.34
02 89 00 00-0007	Cleaning Surfaces <small>(02 89 00 00-0001)</small>	
	Note: Other surfaces within contamination area but not contaminated by, or part of removal.	
02 89 00 00-0008	SF Up To 100 SF, Clean Asbestos Surface	0.61
02 89 00 00-0009	SF >100 To 500 SF, Clean Asbestos Surface.....	0.37
02 89 00 00-0010	SF >500 To 1,000 SF, Clean Asbestos Surface.....	0.29
02 89 00 00-0011	SF >1,000 SF, Clean Asbestos Surface.....	0.24
02 89 00 00-0012	Hazmat Containment Construction <small>(02 89 00 00-0001)</small>	
02 89 00 00-0013	SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.31
02 89 00 00-0014	SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.40
02 89 00 00-0015	SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.54
02 89 00 00-0016	SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction	0.49
02 89 00 00-0017	SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.60
02 89 00 00-0018	SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.77
02 89 00 00-0019	Decontamination Chambers <small>(02 89)</small>	
	Note: Includes removal after use.	
02 89 00 00-0020	EA Portable Personnel Decontamination Wash Facility (3 Stage).....	544.72
	Note: Includes connection to negative air system.	
	<i>For Dismantling And Relocation To A Different Area, Add</i>	328.81
02 89 00 00-0021	EA Portable Waste Decontamination Unit.....	343.24
	Note: Includes connection to negative air system.	
	<i>For Dismantling And Relocation To A Different Area, Add</i>	235.29

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning And Emergency Clean-up (02 90)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0001 Cleaning <small>(02 90 50)</small> Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color can not be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0002 Clean Furnishings <small>(02 90 50 00-0001)</small>		
02 90 50 00-0003 EA Office Equipment, Exterior Wipe.....	25.18	
For Medium Clean, Add	10.58	
For Heavy Clean, Add	32.73	
02 90 50 00-0004 SF Bookcase (Per SF Of Face Area), Light Clean	1.40	
For Medium Clean, Add	0.59	
For Heavy Clean, Add	1.82	
02 90 50 00-0005 LF Shelving, Light Clean.....	2.52	
For Medium Clean, Add	1.06	
For Heavy Clean, Add	3.28	
02 90 50 00-0006 EA Plastic Or Metal Chair, Light Clean.....	7.27	
For Medium Clean, Add	3.05	
For Heavy Clean, Add	9.45	
02 90 50 00-0007 EA Upholstered Chair, Light Clean.....	23.51	
For Medium Clean, Add	9.87	
For Heavy Clean, Add	30.56	
02 90 50 00-0008 EA Upholstered Sofa, Light Clean.....	144.98	
For Medium Clean, Add	60.89	
For Heavy Clean, Add	188.47	
02 90 50 00-0009 EA Desk, Light Clean	29.66	
For Medium Clean, Add	12.46	
For Heavy Clean, Add	38.56	
02 90 50 00-0010 EA Table, Light Clean.....	27.99	
For Medium Clean, Add	11.76	
For Heavy Clean, Add	36.39	
02 90 50 00-0011 EA Two Drawer File Cabinet, Light Clean	6.14	
For Medium Clean, Add	2.58	
For Heavy Clean, Add	7.98	
02 90 50 00-0012 EA Four Drawer File Cabinet, Light Clean.....	7.85	
For Medium Clean, Add	3.30	
For Heavy Clean, Add	10.21	
02 90 50 00-0013 LF Base Cabinet, Exterior Wipe, Light Clean.....	6.44	
For Medium Clean, Add	2.70	
For Heavy Clean, Add	8.37	
02 90 50 00-0014 LF Base Cabinet, Exterior And Interior Wipe, Light Clean	12.59	
For Medium Clean, Add	5.29	
For Heavy Clean, Add	16.37	
02 90 50 00-0015 LF Wall Cabinet, Exterior Wipe, Light Clean.....	6.44	
For Medium Clean, Add	2.70	
For Heavy Clean, Add	8.37	
02 90 50 00-0016 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean	11.20	
For Medium Clean, Add	4.70	
For Heavy Clean, Add	14.56	
02 90 50 00-0017 EA Picture Frame, Glass And Back, Light Clean.....	2.69	
For Medium Clean, Add	1.13	
For Heavy Clean, Add	3.50	
02 90 50 00-0018 Clean Hard Surfaces <small>(02 90 50 00-0001)</small>		
02 90 50 00-0019 LF Wood, Vinyl Or Rubber Baseboard, Light Clean.....	0.37	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.48	
02 90 50 00-0020 EA Door And Hardware (Per Side), Light Clean.....	4.76	
For Medium Clean, Add	2.00	
For Heavy Clean, Add	6.19	
02 90 50 00-0021 EA Detailed Door And Hardware (Per Side), Light Clean.....	5.40	
For Medium Clean, Add	2.27	
For Heavy Clean, Add	7.02	
02 90 50 00-0022 SF Overhead Door, Light Clean	0.38	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.49	
02 90 50 00-0023 SF Mirror, Light Clean	0.28	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.36	
02 90 50 00-0024 SF Window, Light Clean.....	0.83	
For Medium Clean, Add	0.35	
For Heavy Clean, Add	1.08	
02 90 50 00-0025 LF Handrail, Light Clean	0.73	
For Medium Clean, Add	0.31	
For Heavy Clean, Add	0.95	
02 90 50 00-0026 LF Bumper Rail, Light Clean.....	0.39	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.51	
02 90 50 00-0027 SF Hard Floor, Light Clean.....	0.32	
For Medium Clean, Add	0.13	
For Heavy Clean, Add	0.42	
02 90 50 00-0028 SF Carpet, Light Clean.....	0.34	
For Medium Clean, Add	0.14	
For Heavy Clean, Add	0.44	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0029 SF Hard Ceiling, Light Clean.....	0.26	
For Medium Clean, Add	0.11	
For Heavy Clean, Add	0.34	
02 90 50 00-0030 SF Suspended Ceiling, Tile And Grid, Light Clean.....	0.28	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.36	
02 90 50 00-0031 SF Ceramic Tile Wall, Light Clean.....	0.23	
For Medium Clean, Add	0.10	
For Heavy Clean, Add	0.30	
02 90 50 00-0032 SF Wall, Light Clean.....	0.17	
For Medium Clean, Add	0.07	
For Heavy Clean, Add	0.22	
02 90 50 00-0033 SF Masonry Wall, Light Clean.....	0.23	
For Medium Clean, Add	0.10	
For Heavy Clean, Add	0.30	
02 90 50 00-0034 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean.....	59.03	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	24.79	
For Heavy Clean, Add	76.74	
02 90 50 00-0035 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean.....	73.78	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	30.99	
For Heavy Clean, Add	95.91	
02 90 50 00-0036 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean.....	88.55	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	37.19	
For Heavy Clean, Add	115.12	
02 90 50 00-0037 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean.....	103.31	
For Medium Clean, Add	43.39	
For Heavy Clean, Add	134.30	
02 90 50 00-0038 Clean Window Treatments (02 90 50 00-0001)		
02 90 50 00-0039 SF Window Blind, Light Clean.....	0.64	
For Medium Clean, Add	0.27	
For Heavy Clean, Add	0.83	
02 90 50 00-0040 EA Up To 6' Long Drapery (Per Pleat), Light Clean.....	1.31	
For Medium Clean, Add	0.55	
For Heavy Clean, Add	1.70	
02 90 50 00-0041 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean.....	1.50	
For Medium Clean, Add	0.63	
For Heavy Clean, Add	1.95	
02 90 50 00-0042 EA >6' To 8' Drapery (Per Pleat), Light Clean.....	1.38	
For Medium Clean, Add	0.58	
For Heavy Clean, Add	1.79	
02 90 50 00-0043 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean.....	1.59	
For Medium Clean, Add	0.67	
For Heavy Clean, Add	2.07	
02 90 50 00-0044 EA >8' To 10' Drapery (Per Pleat), Light Clean.....	1.68	
For Medium Clean, Add	0.71	
For Heavy Clean, Add	2.18	
02 90 50 00-0045 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean.....	1.94	
For Medium Clean, Add	0.81	
For Heavy Clean, Add	2.52	
02 90 50 00-0046 Clean Appliances (02 90 50 00-0001)		
02 90 50 00-0047 EA Microwave Oven, Outside, Light Clean.....	11.60	
For Medium Clean, Add	4.87	
For Heavy Clean, Add	15.08	
02 90 50 00-0048 EA Refrigerator, Outside, Light Clean.....	27.33	
For Medium Clean, Add	11.48	
For Heavy Clean, Add	35.53	
02 90 50 00-0049 EA Range, Outside, Light Clean.....	23.62	
For Medium Clean, Add	9.92	
For Heavy Clean, Add	30.71	
02 90 50 00-0050 Clean Plumbing (02 90 50 00-0001)		
02 90 50 00-0051 EA Water Heater, Light Clean.....	16.79	
For Medium Clean, Add	7.05	
For Heavy Clean, Add	21.83	
02 90 50 00-0052 EA Plumbing Fixture, Light Clean.....	16.96	
For Medium Clean, Add	7.12	
For Heavy Clean, Add	22.05	
02 90 50 00-0053 EA Restroom Accessory, Light Clean.....	7.78	
For Medium Clean, Add	3.27	
For Heavy Clean, Add	10.11	
02 90 50 00-0054 Clean HVAC (02 90 50 00-0001)		
02 90 50 00-0055 LF Baseboard Heater, Light Clean.....	5.01	
For Medium Clean, Add	2.10	
For Heavy Clean, Add	6.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0056 LF Ductwork, Exterior Wipe, Light Clean	13.99	
For Medium Clean, Add	5.88	
For Heavy Clean, Add	18.19	
02 90 50 00-0057 EA Ductwork, Interior (Per Grille/Register), Light Clean	53.74	
For Medium Clean, Add	22.57	
For Heavy Clean, Add	69.86	
02 90 50 00-0058 EA Grille/Register, Light Clean	5.03	
For Medium Clean, Add	2.11	
For Heavy Clean, Add	6.54	
02 90 50 00-0059 EA Air Handling Unit, Exterior Wipe, Light Clean	34.90	
For Medium Clean, Add	14.66	
For Heavy Clean, Add	45.37	
02 90 50 00-0060 EA Furnace, Exterior Wipe, Light Clean	31.07	
For Medium Clean, Add	13.05	
For Heavy Clean, Add	40.39	
02 90 50 00-0061 Clean Electrical (02 90 50 00-0001)		
02 90 50 00-0062 EA Electric Fan, Light Clean	20.71	
For Medium Clean, Add	8.70	
For Heavy Clean, Add	26.92	
02 90 50 00-0063 EA Ceiling Fan, Light Clean	22.39	
For Medium Clean, Add	9.40	
For Heavy Clean, Add	29.11	
02 90 50 00-0064 EA Ceiling Fan And Light, Light Clean	29.11	
For Medium Clean, Add	12.23	
For Heavy Clean, Add	37.84	
02 90 50 00-0065 EA Ceiling Exhaust Fan, Light Clean	20.43	
For Medium Clean, Add	8.58	
For Heavy Clean, Add	26.56	
02 90 50 00-0066 EA 2' x 4' Light Fixture, Light Clean	13.43	
For Medium Clean, Add	5.64	
For Heavy Clean, Add	17.46	
02 90 50 00-0067 EA Light Fixture, Light Clean	6.16	
For Medium Clean, Add	2.59	
For Heavy Clean, Add	8.01	
02 90 50 00-0068 EA Smoke Detector, Light Clean	4.76	
For Medium Clean, Add	2.00	
For Heavy Clean, Add	6.19	
02 90 50 00-0069 EA Thermostat, Light Clean	1.68	
For Medium Clean, Add	0.71	
For Heavy Clean, Add	2.18	
02 90 50 00-0070 Thermal Fog (02 90 50 00-0001)		
02 90 50 00-0071 CF Clean And Deodorize Building With Thermal Fog	0.02	
02 90 50 00-0072 Contents Manipulation (02 90 50)		
02 90 50 00-0073 SF Cover Contents With Plastic	0.20	
02 90 50 00-0074 SF Floor Protection - Adhesive Film	0.24	
02 90 50 00-0075 SF Move Contents Out And Later Reset	0.45	
02 90 50 00-0076 MO 20' Long Job Site Storage Trailer	105.51	
02 90 50 00-0077 MO 40' Long Job Site Storage Trailer	139.93	
02 90 50 00-0078 EA Delivery Or Pickup Job Site Storage Trailer	130.20	
02 90 50 00-0079 Water Emergency Clean-up (02 90 50)		
02 90 50 00-0080 LF Detach Baseboard	0.59	
02 90 50 00-0081 LF Detach And Later Reset Baseboard	1.05	
02 90 50 00-0082 EA Block And Pad Furniture (Per Piece Of Furniture)	3.89	
02 90 50 00-0083 SF Water Extraction From Floor	0.40	
02 90 50 00-0084 SF Gray Water Extraction From Floor	0.65	
02 90 50 00-0085 SF Black Water Extraction From Floor	1.03	
02 90 50 00-0086 SF Tear Out Wet Non Salvageable Carpet	0.33	
02 90 50 00-0087 SF Tear Out Wet Non Salvageable Carpet, Black Water	0.39	
02 90 50 00-0088 SF Tear Out Wet Non Salvageable Glue Down Carpet	0.57	
02 90 50 00-0089 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water	0.85	
02 90 50 00-0090 SF Tear Out Vinyl Flooring	0.80	
02 90 50 00-0091 SF Tear Out Vinyl Flooring, Black Water	1.17	
02 90 50 00-0092 SF Tear Out Wood Flooring, Black Water	3.02	
02 90 50 00-0093 SF Tear Out Laminated Wood Flooring	1.49	
02 90 50 00-0094 SF Tear Out Laminated Wood Flooring, Black Water	2.18	
02 90 50 00-0095 SF Tear Out Wet Ceiling Tile	0.25	
02 90 50 00-0096 SF Tear Out Batt Insulation	0.25	
02 90 50 00-0097 SF Tear Out Wet Gypsum Board	0.31	
02 90 50 00-0098 SF Apply Antimicrobial Agent	0.19	
02 90 50 00-0099 SF HEPA Vacuuming	0.31	
02 90 50 00-0100 Emergency Clean-up Labor (02 90 50)		

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning.

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0101	HR		Cleaning And Emergency Clean Up - General Laborer (Unskilled).....	23.62	
02 90 50 00-0102	HR		Cleaning And Emergency Clean Up - General Laborer (Skilled).....	31.50	
02 90 50 00-0103	HR		Cleaning And Emergency Clean Up - Skilled Tradesman.....	57.75	
02 90 50 00-0104	HR		Cleaning And Emergency Clean Up - Restoration Laborer.....	36.75	
02 90 50 00-0105	HR		Cleaning And Emergency Clean Up - Restoration Technician.....	47.25	
02 90 50 00-0106	HR		Cleaning And Emergency Clean Up - Restoration Supervisor.....	68.25	
02 90 50 00-0107	HR		Cleaning And Emergency Clean Up - Restoration Project Manager.....	94.50	
02 90 50 00-0108	HR		Cleaning And Emergency Clean Up - Assistant Project Manager.....	78.75	
02 90 50 00-0109	HR		Cleaning And Emergency Clean Up - Project Manager.....	99.75	
02 90 50 00-0110	HR		Cleaning And Emergency Clean Up - Project Director.....	152.25	
02 90 50 00-0111	HR		Cleaning And Emergency Clean Up - Resource Coordinator.....	47.25	
02 90 50 00-0112	HR		Cleaning And Emergency Clean Up - Project Accountant.....	78.75	
02 90 50 00-0113	HR		Cleaning And Emergency Clean Up - Corrosion Technician.....	68.25	
02 90 50 00-0114	HR		Cleaning And Emergency Clean Up - Sr. Corrosion Technician.....	78.75	
02 90 50 00-0115	HR		Cleaning And Emergency Clean Up - Certified Mold Technician.....	69.30	
02 90 50 00-0116	HR		Cleaning And Emergency Clean Up - Certified Mold Supervisor.....	78.75	
02 90 50 00-0117	HR		Cleaning And Emergency Clean Up - Clerical.....	36.75	
02 90 50 00-0118	HR		Cleaning And Emergency Clean Up - Biohazard Technician.....	78.75	
02 90 50 00-0119	HR		Cleaning And Emergency Clean Up - Biohazard Supervisor.....	94.50	
02 90 50 00-0120	HR		Cleaning And Emergency Clean Up - Health And Safety Officer.....	73.50	
02 90 50 00-0121	HR		Cleaning And Emergency Clean Up - Resource And Logistics Coordinator.....	52.50	
02 90 50 00-0122	HR		Cleaning And Emergency Clean Up - Restoration Consultant.....	152.25	

02 90 50 00-0123**Emergency Clean-up Equipment (02 90 50)**

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

02 90 50 00-0124**General Emergency Clean-up Equipment (02 90 50 00-0123)**

02 90 50 00-0125	DAY		Air Compressor.....	50.94	
02 90 50 00-0126	DAY		Buffer - Floor.....	33.96	
02 90 50 00-0127	DAY		Carpet Cleaning Machine - Portable.....	84.91	
02 90 50 00-0128	DAY		Chain Saw.....	39.62	
02 90 50 00-0129	EA		Cleaning Kit With Mop, Broom And Bucket.....	50.94	
02 90 50 00-0130	DAY		Cut Off Saw.....	131.37	
02 90 50 00-0131	DAY		Dry Cleaning Unit - Portable.....	96.23	
02 90 50 00-0132	DAY		Extension Cords - 220 Volt.....	28.30	
02 90 50 00-0133	DAY		Extension Cords - 220 Volt Converter Box.....	16.98	
02 90 50 00-0134	DAY		Demo Cart, 7 Yard.....	50.94	
02 90 50 00-0135	EA		Demo Kit With Wheel Barrow, Shovel And Broom.....	84.91	
02 90 50 00-0136	DAY		Dry-Ice Blasting System.....	396.24	
02 90 50 00-0137	DAY		Fogger - Mist.....	28.30	
02 90 50 00-0138	DAY		Fogger - Electric Thermal.....	40.76	
02 90 50 00-0139	DAY		Fogger - Gas Power Thermal.....	101.89	
02 90 50 00-0140	JOB		Gang Box, Demo/Framing (One Time Per Job).....	73.59	
02 90 50 00-0141	DAY		Hand Trucks/Dollies.....	13.59	
02 90 50 00-0142	DAY		Heat Gun - Shrinkwrap.....	45.28	
02 90 50 00-0143	DAY		HEPA Negative Air Machine.....	141.51	
			Note: Includes all filters.		
02 90 50 00-0144	DAY		Ladder.....	19.25	
02 90 50 00-0145	DAY		Lights - Demo, Drop, Stand, String.....	20.38	
02 90 50 00-0146	DAY		Lights - Wobble.....	24.91	
02 90 50 00-0147	DAY		Moisture Meter.....	28.30	
02 90 50 00-0148	DAY		Nail Gun.....	50.94	
02 90 50 00-0149	DAY		Ozone Generator.....	141.51	
02 90 50 00-0150	DAY		PPE (Personal Protective Equipment) Mold Remediation Related.....	67.93	
02 90 50 00-0151	DAY		Portable Generator, Up To 7,500 Watts.....	113.21	
02 90 50 00-0152	DAY		Pressure Washer, Hot.....	169.82	
02 90 50 00-0153	DAY		Pressure Washer, Cold.....	113.21	
02 90 50 00-0154	DAY		Scaffolding - Per Section.....	73.59	
02 90 50 00-0155	DAY		Small Tools - Tool Box.....	28.30	
02 90 50 00-0156	DAY		Soda Blasting Equipment.....	254.72	
02 90 50 00-0157	DAY		Sprayer - Hudson.....	9.06	
02 90 50 00-0158	DAY		Sprayer - Industrial Airless.....	246.31	
02 90 50 00-0159	DAY		Storage Space (Per SF Per Day).....	0.93	
02 90 50 00-0160	DAY		Submersible Pump.....	28.30	
02 90 50 00-0161	DAY		Trash Pump - 2" Gas Powered.....	141.51	
02 90 50 00-0162	DAY		Vehicle, Pick-up, SUV, Car.....	84.91	
02 90 50 00-0163	DAY		Vehicle, Van.....	141.51	
02 90 50 00-0164	DAY		Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage).....	226.42	
02 90 50 00-0165	DAY		Trailer - Refrigerated 40' Storage.....	141.51	
02 90 50 00-0166	DAY		Trailer - Utility (Inclusive Of Mileage).....	113.21	
02 90 50 00-0167	DAY		Truck Mount, Per Wand Extraction.....	220.76	
02 90 50 00-0168	DAY		Vacuum - Backpack.....	28.30	
02 90 50 00-0169	DAY		Vacuum - Shop Vacuum.....	28.30	
02 90 50 00-0170	DAY		Vacuum - Commercial.....	84.91	
02 90 50 00-0171	DAY		Vacuum - HEPA Industrial.....	96.23	
02 90 50 00-0172	DAY		Vacuum - Upright.....	16.98	
02 90 50 00-0173	DAY		Zip Walls (Per 2 Poles).....	28.30	
02 90 50 00-0174	DAY		2 Way Radio.....	22.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 50 00-0175 Technical/Electronics Restoration Equipment (02 90 50 00-0123)

02 90 50 00-0176	DAY	Computer - Diagnostic.....	28.30
02 90 50 00-0177	DAY	Convection Oven - Large.....	186.80
02 90 50 00-0178	DAY	Convection Oven - Small.....	101.89
02 90 50 00-0179	DAY	Convection Oven - Vacuum.....	135.85
02 90 50 00-0180	DAY	Decontamination Booth.....	186.80
02 90 50 00-0181	DAY	DI Water System.....	50.94
02 90 50 00-0182	DAY	ESD Bench Workstation.....	22.64
02 90 50 00-0183	DAY	Heater/Enclosure Control System.....	16.98
02 90 50 00-0184	DAY	Hi-Tech Mobile Cart/Workstation.....	283.02
02 90 50 00-0185	DAY	Micro-Blaster/Dust Collector.....	254.72
02 90 50 00-0186	DAY	Mobile Laboratory.....	707.56
02 90 50 00-0187	DAY	Nitrogen Enclosure Cabinet.....	13.59
02 90 50 00-0188	DAY	Odell Cleaning Station.....	396.24
02 90 50 00-0189	DAY	Parts Washer.....	28.30
02 90 50 00-0190	DAY	Ultrasonic Cleaning System.....	84.91
02 90 50 00-0191	DAY	Vacuum - HEPA Technical.....	22.64

02 90 50 00-0192 Drying/Dehumidification Equipment (02 90 50 00-0123)

02 90 50 00-0193	DAY	Water Extraction Unit.....	141.51
02 90 50 00-0194	DAY	Air Mover.....	28.30
02 90 50 00-0195	DAY	Axial Air Mover.....	73.59
02 90 50 00-0196	DAY	Injectidry System.....	175.48
02 90 50 00-0197	DAY	1200 Drizair Refrigerant Dehumidifier.....	118.87
02 90 50 00-0198	DAY	2400 Drizair Refrigerant Dehumidifier.....	164.15
02 90 50 00-0199	DAY	Phoenix 200 Refrigerant Dehumidifier.....	164.15
02 90 50 00-0200	DAY	Phoenix 300 Refrigerant Dehumidifier.....	175.48
02 90 50 00-0201	DAY	D-500 Desiccant Dehumidifier.....	396.24
02 90 50 00-0202	DAY	D-750 Desiccant Dehumidifier.....	679.26
02 90 50 00-0203	DAY	D-1000 Desiccant Dehumidifier.....	764.17
02 90 50 00-0204	DAY	D-1500 Desiccant Dehumidifier.....	849.08
02 90 50 00-0205	DAY	D-2000 Desiccant Dehumidifier.....	905.68
02 90 50 00-0206	DAY	D-2250 Desiccant Dehumidifier.....	962.28
02 90 50 00-0207	DAY	D-3000 Desiccant Dehumidifier.....	1,092.48
02 90 50 00-0208	DAY	D-4500 Desiccant Dehumidifier.....	1,358.52
02 90 50 00-0209	DAY	D-5000 Desiccant Dehumidifier.....	1,528.34
02 90 50 00-0210	DAY	D-9000 Desiccant Dehumidifier.....	2,094.38
02 90 50 00-0211	DAY	D-10500 Desiccant Dehumidifier.....	2,490.62
02 90 50 00-0212	DAY	DX Unit - Heating / Air Conditioning (3.5 Ton).....	396.24
02 90 50 00-0213	DAY	DX Unit - Heating / Air Conditioning (5 Ton).....	560.39
02 90 50 00-0214	DAY	DX Unit - Heating / Air Conditioning (10 Ton).....	679.26
02 90 50 00-0215	DAY	DX Unit - Heating / Air Conditioning (25 Ton).....	849.08
02 90 50 00-0216	DAY	DX Unit - Heating / Air Conditioning (50 Ton).....	1,103.80
02 90 50 00-0217	DAY	DX Unit - Heating / Air Conditioning (80 Ton).....	1,528.34
02 90 50 00-0218	DAY	Flex Duct - 25'.....	22.64
02 90 50 00-0219	DAY	Hygro Thermograph.....	28.30
02 90 50 00-0220	DAY	Dehumidification Trailer.....	4,952.94

Note: Includes 400 KW generator, 1,500 CFM desiccant DH, 25 Ton DX unit, 1,000 gallon fuel tank, and limited electrical distribution.

02 90 50 00-0221 Power Equipment (02 90 50 00-0123)

02 90 50 00-0222	WK	Generator, Up to 65 KVA.....	2,943.46
02 90 50 00-0223	WK	Generator, Up to 125 KVA.....	3,283.09
02 90 50 00-0224	WK	Generator, Up to 250 KVA.....	4,301.98
02 90 50 00-0225	WK	Generator, Up to 375 KVA.....	5,207.66
02 90 50 00-0226	WK	Generator, Up to 440 KVA.....	6,566.18
02 90 50 00-0227	WK	Generator, Up to 625 KVA.....	8,377.54
02 90 50 00-0228	WK	Generator, Up to 800 KVA.....	14,264.46
02 90 50 00-0229	WK	Generator, Up to 1,000 KVA.....	18,566.44
02 90 50 00-0230	WK	Generator, Up to 1,500 KVA.....	23,094.84
02 90 50 00-0231	EA	Generator Cable/Pigtails (Per Section).....	11.32
02 90 50 00-0232	EA	Sub-Distribution Panel (Spider Box).....	73.59
02 90 50 00-0233	EA	Electrical Distribution Panel.....	226.42
02 90 50 00-0234	EA	Quad Box Strings (25' Sections).....	28.30
02 90 50 00-0235	EA	50' Power Cord For Spider Box.....	28.30
02 90 50 00-0236	EA	Pig Tails (Per Each).....	2.83

02 90 50 00-0237 Freight Charges (02 90 50 00-0123)

02 90 50 00-0238	MI	Freight Up To 1 Ton Pick Up Truck.....	1.42
02 90 50 00-0239	MI	Freight >1 Ton Pick Up Truck.....	2.55
02 90 50 00-0240	MI	Freight 16' Or 24' Box Truck.....	2.55
02 90 50 00-0241	MI	Freight Tractor Trailer.....	3.68

02 90 50 00-0242 Emergency Clean-up Personal Protection Equipment (02 90 50)

Note: Used in the performance of time and material projects. Used in the performance of time and material

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0243	EA	Tyvek Suit.....	8.49
02 90 50 00-0244	EA	Cartridge - Respirator.....	13.59
02 90 50 00-0245	BOX	Dust Mask.....	30.85
02 90 50 00-0246	PR	Gloves - Cotton.....	5.09
02 90 50 00-0247	BOX	Gloves - Latex.....	15.28
02 90 50 00-0248	PR	Gloves - Leather.....	8.49
02 90 50 00-0249	EA	Gloves - Rubber (Heavy Duty).....	4.53
02 90 50 00-0250	PR	Polycarbonate Lens Safety Goggles.....	8.38
02 90 50 00-0251	EA	Respirator - With One Pair Cartridges.....	38.39
02 90 50 00-0252	PR	Safety Glasses.....	3.67
02 90 50 00-0253	EA	Safety Harness (Per Person/Day).....	5.66

02 90 50 00-0254 Emergency Clean-up Expendables (02 90 50)

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

02 90 50 00-0255 General Materials (02 90 50 00-0254)

02 90 50 00-0256	GAL	Adhesive Remover.....	84.91
02 90 50 00-0257	GAL	Bio-HS.....	24.13
02 90 50 00-0258	GAL	Biocide.....	30.78
02 90 50 00-0259	EA	Box - Book.....	4.47
02 90 50 00-0260	EA	Box - Large.....	7.36
02 90 50 00-0261	GAL	Bleach.....	3.96
02 90 50 00-0262	EA	Brush - Stainless - Small.....	5.41
02 90 50 00-0263	EA	Buckets - 2 1/2 Gal.....	5.98
02 90 50 00-0264	EA	Buckets - 5 Gallon.....	9.06
02 90 50 00-0265	GAL	Carpet Defoamer.....	23.30
02 90 50 00-0266	GAL	Carpet Pre-treat.....	22.38
02 90 50 00-0267	GAL	Carpet Spotter.....	33.80
02 90 50 00-0268	GAL	Carpet/Upholstery Cleaner.....	30.41
02 90 50 00-0269	ROL	Carpet Masking/Shield.....	74.72
02 90 50 00-0270	EA	Chem Sponge.....	3.34
02 90 50 00-0271	GAL	Clear Seal.....	84.91
02 90 50 00-0272	GAL	Coil Cleaner.....	27.17
02 90 50 00-0273	EA	Comfort Masks, Per Box 50.....	33.57
02 90 50 00-0274	EA	Coverall - Bio-Hazard.....	23.62
02 90 50 00-0275	EA	Decon Chamber.....	232.08
02 90 50 00-0276	GAL	Degreaser, All Purpose.....	31.70
02 90 50 00-0277	GAL	De-Foamer Liquid.....	33.96
02 90 50 00-0278	EA	Deodorization Membrane.....	81.13
02 90 50 00-0279	GAL	Deodorizer, 9D9.....	87.45
02 90 50 00-0280	LB	Deodorizing Gel.....	14.72
02 90 50 00-0281	GAL	Deodorizing Liquid.....	43.02
02 90 50 00-0282	PAIL	Deodorizing Block.....	50.94
02 90 50 00-0283	GAL	Disinfectant/Antimicrobial.....	54.91
02 90 50 00-0284	GAL	Disinfectant, BruClean.....	27.17
02 90 50 00-0285	GAL	Dryclene.....	33.80
02 90 50 00-0286	GAL	Duct Sealant Spray.....	50.94
02 90 50 00-0287	GAL	Duct Sealant, Antifungal.....	73.59
02 90 50 00-0288	GAL	Microbial Encapsulant (Fosters 20 - 40).....	104.72
02 90 50 00-0289	PR	Ear Plugs.....	0.46
02 90 50 00-0290	GAL	Encapsulant.....	104.01
02 90 50 00-0291	GAL	Fiberlocke - Aftershock.....	92.37
02 90 50 00-0292	GAL	Fiberlocke - IAQ 2500.....	87.38
02 90 50 00-0293	GAL	Fiberlocke - IAS 6000.....	89.87
02 90 50 00-0294	ROL	Filter Material.....	73.59
02 90 50 00-0295	EA	Filter, Blue Paper Collection Bag.....	5.60
02 90 50 00-0296	EA	Filter, CVAC For HEPA Vacuum.....	255.01
02 90 50 00-0297	EA	Filter, Pre-Filter For Negative Air Machine.....	4.36
02 90 50 00-0298	EA	Filter, Pleated For Negative Air Machine.....	6.79
02 90 50 00-0299	EA	Filter, Charcoal For Negative Air Machine.....	33.85
02 90 50 00-0300	EA	Filter, HEPA For Negative Air Machine.....	215.67
02 90 50 00-0301	EA	Filter, Pleated For Dehumidifiers.....	8.49
02 90 50 00-0302	GAL	Floor Stripper.....	15.85
02 90 50 00-0303	GAL	Floor Wax.....	22.64
02 90 50 00-0304	GAL	Fogger (Thermal).....	89.44
02 90 50 00-0305	BOX	Furniture Blocks.....	113.21
02 90 50 00-0306	EA	Furniture Polish, Per Can.....	12.45
02 90 50 00-0307	GAL	Glass Cleaner.....	19.25
02 90 50 00-0308	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles.....	13.81
02 90 50 00-0309	EA	Goof Off Spray, 12 Oz.....	7.92
02 90 50 00-0310	EA	Halogen Light Bulbs.....	16.17
02 90 50 00-0311	QT	Hand Sanitizer.....	7.99
02 90 50 00-0312	EA	Hard Hats.....	6.58
02 90 50 00-0313	BOX	Hog Rings, Box Of 2,500.....	16.42
02 90 50 00-0314	GAL	HVAC Coal Cleaner.....	37.36
02 90 50 00-0315	BOX	Inventory Tag, Box Of 1,000.....	101.89
02 90 50 00-0316	EA	Knives - Utility.....	12.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0317 ROL Lay Flat Tubing, 13" (250' Roll).....	62.49	
02 90 50 00-0318 ROL Lay Flat Tubing, 20" (250' Roll).....	95.10	
02 90 50 00-0319 ROL Lay Flat Tubing, 29" (250' Roll).....	161.89	
02 90 50 00-0320 ROL Lay Flat Tubing, 39" (250' Roll).....	264.91	
02 90 50 00-0321 GAL Lemon Oil	45.28	
02 90 50 00-0322 GAL LPS 1/Mecca Lube	41.14	
02 90 50 00-0323 GAL LPS 2	43.54	
02 90 50 00-0324 GAL LPS Contact Cleaner	43.34	
02 90 50 00-0325 GAL Lubricant, Preserver (Light)	37.36	
02 90 50 00-0326 GAL Lubricant, Preserver (Heavy).....	22.64	
02 90 50 00-0327 GAL Machinery Cleaning Solvent	50.94	
02 90 50 00-0328 GAL Metal Polishing Paste	11.32	
02 90 50 00-0329 GAL Microban.....	45.76	
02 90 50 00-0330 GAL Milgo	56.16	
02 90 50 00-0331 EA Mop Heads	6.62	
02 90 50 00-0332 EA Nylon Scouring Pads	1.25	
02 90 50 00-0333 GAL Odor Neutralizer	50.44	
02 90 50 00-0334 EA Packing Paper, 25 LB Bundle.....	30.00	
02 90 50 00-0335 EA Paint Brushes	5.66	
02 90 50 00-0336 ROL Paper, Corrugated/Craft	99.62	
02 90 50 00-0337 EA Putty Knives.....	5.13	
02 90 50 00-0338 ROL Red Resin Paper, 200' Roll.....	30.57	
02 90 50 00-0339 GAL Reodorant.....	96.23	
02 90 50 00-0340 EA Respirator - N95	4.49	
02 90 50 00-0341 EA Respirator - N95 w/valve.....	5.12	
02 90 50 00-0342 PR Respirator Cartridges - 3M.....	34.33	
02 90 50 00-0343 PR Respirator Cartridges -P100	34.33	
02 90 50 00-0344 EA Respirator Cleaning Wipes, Per Box 100	27.46	
02 90 50 00-0345 GAL Restoracide.....	45.14	
02 90 50 00-0346 GAL Rust Remover.....	79.25	
02 90 50 00-0347 EA Saltesmo Test Samples	7.36	
02 90 50 00-0348 EA Sand Bag, Excluding Sand	1.92	
02 90 50 00-0349 EA Scotch-Brite 7447, Per Box 50.....	36.76	
02 90 50 00-0350 EA Sm. Scrub Brushes.....	5.41	
02 90 50 00-0351 GAL Soot Sealant, Clear.....	44.15	
02 90 50 00-0352 GAL Soot Sealant, Pigmented.....	45.28	
02 90 50 00-0353 ROL Shrinkwrap Plastic.....	54.34	
02 90 50 00-0354 EA Sponges - Dry.....	2.40	
02 90 50 00-0355 EA Spray Adhesive, Per Can.....	5.09	
02 90 50 00-0356 EA Spray Bot./Trigger.....	4.37	
02 90 50 00-0357 GAL Stain Remover	27.17	
02 90 50 00-0358 GAL Stainless Steel Cleaner	41.89	
02 90 50 00-0359 EA Stainless Steel Polish, Per Can	14.72	
02 90 50 00-0360 LB Sweeping Compound	18.91	
02 90 50 00-0361 ROL Tape - Duct.....	7.64	
02 90 50 00-0362 ROL Tape - Environmental (Teal).....	10.57	
02 90 50 00-0363 ROL Tape - HVAC (Aluminum)	24.91	
02 90 50 00-0364 ROL Tape - Blue Masking (Painters Tape)	10.62	
02 90 50 00-0365 ROL Tape - Poly Box	4.53	
02 90 50 00-0366 LB Terry Towels.....	5.83	
02 90 50 00-0367 GAL Thermal Fog	55.64	
02 90 50 00-0368 ROL Trash Bags - Lawn And Leaf	36.23	
02 90 50 00-0369 ROL Trash Bags - 6 Mil Heavy Duty (50 Count)	100.19	
02 90 50 00-0370 EA Trisodium Phosphaste, 20 LB Pail.....	41.31	
02 90 50 00-0371 EA Vacuum Bags - Backpack.....	1.39	
02 90 50 00-0372 EA Vacuum Bags - Upright.....	1.86	
02 90 50 00-0373 GAL Vinyl And Leather Cleaner.....	90.57	
02 90 50 00-0374 ROL Visqueen 1 Mil	43.30	
02 90 50 00-0375 ROL Visqueen 4 Mil	88.87	
02 90 50 00-0376 ROL Visqueen 6 Mil	126.80	
02 90 50 00-0377 LB Wipes, Cotton Cloth.....	4.92	
02 90 50 00-0378 ROL 12" x 750', Wrap, Bubble / Anti-Static.....	71.32	
02 90 50 00-0379 EA Wyp-Alls, Case, 160 Wipes	37.36	
02 90 50 00-0380 EA Zip Wall Zippers.....	20.38	
02 90 50 00-0381	Technical/Electronics Restoration Materials	<small>(02 90 50 00-0254)</small>
02 90 50 00-0382 EA Brush - Brass.....	4.25	
02 90 50 00-0383 EA Brush - Natural Bristle 1"	1.36	
02 90 50 00-0384 EA Brush - Natural Bristle 1/2"	1.13	
02 90 50 00-0385 EA Brush - Natural Bristle 1/4"	0.96	
02 90 50 00-0386 EA Brush - Parts.....	5.89	
02 90 50 00-0387 EA Brush - Plastic.....	3.06	
02 90 50 00-0388 EA Brush - Wire Grout.....	5.66	
02 90 50 00-0389 EA Brushing Tool.....	14.15	
02 90 50 00-0390 EA Cleaning Swabs, Cotton	0.28	
02 90 50 00-0391 EA Cleaning Swabs, Foam Tip.....	0.34	
02 90 50 00-0392 EA Contact Restorer, Per Can.....	27.45	
02 90 50 00-0393 EA Contact Spray, Per Can	18.68	
02 90 50 00-0394 UNIT Corrosion Inhibitor Emitter - 1 CF	2.72	
02 90 50 00-0395 UNIT Corrosion Inhibitor Emitter - 5 CF	6.23	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0396	UNIT	Corrosion Inhibitor Emitter - 10 CF	10.76
02 90 50 00-0397	LB	Cotton Cleaning Cloths	16.98
02 90 50 00-0398	EA	12" x 17" Dust Cloths	0.25
02 90 50 00-0399	EA	24" x 24" Dust Cloths	0.70
02 90 50 00-0400	EA	Deoxidizing Agent, Per Can	13.30
02 90 50 00-0401	GAL	Electronic Grade Detergent	20.38
02 90 50 00-0402	SHT	Inventory Labels	6.17
02 90 50 00-0403	GAL	Isopropyl Alcohol	28.30
02 90 50 00-0404	EA	Lubrication/Penetrating Oil, Per Can	6.23
02 90 50 00-0405	GAL	PC Board Detergent	77.55
02 90 50 00-0406	GAL	Rust Inhibitor, Regular Duty	30.57
02 90 50 00-0407	GAL	Rust Inhibitor - Moderate Duty	33.40
02 90 50 00-0408	GAL	Rust Inhibitor - Severe Duty	38.49
02 90 50 00-0409	LB	Wipes - Lint Free Cloths	7.92
02 90 50 00-0410	EA	Wire Marker Card	1.98
02 90 50 00-0411	EA	Steel Wool, 16 Pad Sleeve	6.79
02 90 50 00-0412 Board Up And Tarp Up (02 90 50)			
02 90 50 00-0413	SF	Polyethylene Tarp On Roof	0.19
02 90 50 00-0414	SF	Temporary Plywood On Roof	1.29
02 90 50 00-0415	SF	Temporary Plywood On Wall Or Windows	1.63
02 90 50 00-0416 Minimum Charges (02 90 50)			
02 90 50 00-0417	EA	Minimum For Cleaning	96.23
02 90 50 00-0418	EA	Minimum For Water Extraction	113.21
02 90 50 00-0419	EA	Minimum For Carpet Cleaning	135.85
02 90 50 00-0420 Document Restoration (02 90 50)			
02 90 50 00-0421	EA	Book Rebinding, Each	70.16
02 90 50 00-0422	EA	Book Recasing, Each	35.07
02 90 50 00-0423	EA	Boxes-MCS, 1.2 CF	7.02
02 90 50 00-0424	EA	Boxes-MCS, 2.0 CF	9.09
02 90 50 00-0425	EA	Boxes Bankers	11.21
02 90 50 00-0426	EA	Boxes Standard Packout	4.19
02 90 50 00-0427	EA	Boxes X Ray	7.02
02 90 50 00-0428	EA	CD Scanning and Diagnostics, Each	7.02
02 90 50 00-0429	EA	Cleaning Antique Books, Each	210.46
02 90 50 00-0430	EA	Cleaning Catheter Roll, Per Roll	28.05
02 90 50 00-0431	EA	Cleaning CD And DVD, Per Disc	2.82
02 90 50 00-0432	EA	Cleaning Level 1 - Blue Prints, Each	2.82
02 90 50 00-0433	CF	Cleaning Level 1 - Document Per CF	87.01
02 90 50 00-0434	EA	Cleaning Level 1 - Linen, Each	2.82
02 90 50 00-0435	EA	Cleaning Level 1 - Mylar, Each	2.82
02 90 50 00-0436	EA	Cleaning Level 2 - Blue Print, Each	3.51
02 90 50 00-0437	CF	Cleaning Level 2 - Document Per CF	130.49
02 90 50 00-0438	EA	Cleaning Level 2 - Linen, Each	3.51
02 90 50 00-0439	EA	Cleaning Level 2 - Mylar, Each	3.51
02 90 50 00-0440	EA	Cleaning Level 3 - Blue Prints, Each	4.96
02 90 50 00-0441	CF	Cleaning Level 3 - Document Per CF	174.02
02 90 50 00-0442	EA	Cleaning Level 3 - Linen, Each	4.96
02 90 50 00-0443	EA	Cleaning Level 3 - Mylar, Each	4.96
02 90 50 00-0444	EA	Cleaning Level 4 - All Fire-Blue Print, Each	7.02
02 90 50 00-0445	EA	Cleaning Level 4 - All Fire-Linen, Each	7.02
02 90 50 00-0446	EA	Cleaning Level 4 - All Fire-Mylar, Each	7.02
02 90 50 00-0447	CF	Cleaning Level 4 - Light Fire-Document Per CF	217.48
02 90 50 00-0448	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each	8.39
02 90 50 00-0449	CF	Cleaning Level 5 - Severe Fire-Document Per CF	434.96
02 90 50 00-0450	EA	Cleaning Level 5 - Severe Fire-Linen, Each	8.39
02 90 50 00-0451	EA	Cleaning Level 5 - Severe Fire-Mylar, Each	8.39
02 90 50 00-0452	EA	Cleaning Microfiche Sheets, Each	2.82
02 90 50 00-0453	EA	Cleaning Microfiche Strips, Each	0.71
02 90 50 00-0454	EA	Cleaning Microfilm Rolls (In House), Per Roll	70.16
02 90 50 00-0455	EA	Cleaning Microfilm Rolls (Outside), Per Roll	98.22
02 90 50 00-0456	EA	Cleaning Photographs Negatives, Per Negative	0.71
02 90 50 00-0457	EA	Cleaning Photographs, Each	2.82
02 90 50 00-0458	EA	Cleaning Record Albums, Each	2.82
02 90 50 00-0459	EA	Cleaning VHS And Beta Tapes-In House, Each	7.02
02 90 50 00-0460	EA	Cleaning VHS And Beta Tapes-Outside, Each	28.05
02 90 50 00-0461	EA	Cleaning X Ray 1-1000, Per Film	4.19
02 90 50 00-0462	EA	Cleaning X Ray 1K-5K, Per Film	3.51
02 90 50 00-0463	EA	Cleaning X Ray 5K-Up, Per Film	2.82
02 90 50 00-0464	EA	Copying Clean Water, Per Page	0.42
02 90 50 00-0465	EA	Copying Greywater Fire, Per Page	0.76
02 90 50 00-0466	EA	Deodorization, Vapor Tech, Per Cube	7.02
02 90 50 00-0467	EA	Disinfectant-Fogging, Per Cube	9.84
02 90 50 00-0468	EA	Document Disposal In House No Shredding	22.47
02 90 50 00-0469	EA	Document Disposal In House With Shredding	38.70
02 90 50 00-0470	EA	Drying-MCS Center 1-50 Cubes	126.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0471 EA Drying-MCS Center 151-500 Cubes	98.22	
02 90 50 00-0472 EA Drying-MCS Center 500 And Up.....	84.18	
02 90 50 00-0473 EA Drying-MCS Center 51-150 Cubes.....	112.25	
02 90 50 00-0474 EA Drying-Onsite 1-500 Cubes	210.46	
02 90 50 00-0475 EA Drying-Onsite 501- Up Cube.....	129.10	
02 90 50 00-0476 EA Drying Antique Books, Each	28.05	
02 90 50 00-0477 EA Drying Blue Prints, Each.....	3.51	
02 90 50 00-0478 EA Dvd Scanning And Diagnostics, Each	7.02	
02 90 50 00-0479 EA Freeze Drying (In House).....	98.22	
02 90 50 00-0480 EA Freeze Drying (Outside)	129.10	
02 90 50 00-0481 EA Irradiation - Gamma 0-48 Cubes (minimum charge).....	1,497.77	
02 90 50 00-0482 EA Irradiation - Gamma 49-Up Cube (per cube charge)	31.20	
02 90 50 00-0483 EA Linen Prints.....	7.02	
02 90 50 00-0484 EA Minimal Drying Jobs	686.48	
02 90 50 00-0485 EA Monthly Storage.....	70.16	
02 90 50 00-0486 EA Mylar Prints.....	7.02	
02 90 50 00-0487 EA Ozoning, Per Cube	7.02	
02 90 50 00-0488 MO Stabilization Freezer Storage, Per Cube-Per Month	9.84	
02 90 50 00-0489 MO Stabilization Freezer Storage, Per Page-Per Month	0.07	
02 90 50 00-0490 EA Wood Pallets, Each	35.07	

END OF SECTION 02

02

02 Existing Conditions

02 90 Disaster Recovery

02 90 50 Cleaning And Emergency Clean-up



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 Concrete

03 01 Maintenance Of Concrete ⁽⁰³⁾

03 01 30 Maintenance Of Cast-In-Place Concrete ^(03 01)

03 01 30 51 **Cleaning Of Cast-In-Place Concrete** ^(03 01 30)

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51) Note: Includes containment and clean-up of all material.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting (Beads, Steel Balls, Etcetera).....	3.70

03 01 30 71 **Rehabilitation Of Cast-in-Place Concrete** ^(03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71) See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	4.65
03 01 30 71-0005	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	14.99
03 01 30 71-0006	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.42

03 01 30 71-0007	Verticals Or Overheads ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	6.94
03 01 30 71-0009	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	20.31
03 01 30 71-0010	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	22.92
03 01 30 71-0011	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	5.31
03 01 30 71-0012	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	9.24

03 01 30 71-0013	Bridge Deck Treatment ^(03 01 30 71-0002)	
03 01 30 71-0014	SF Sweep Bridge Deck	0.01
03 01 30 71-0015	SF Clean Bridge Deck.....	0.01
03 01 30 71-0016	SF Treat Bridge Deck With Methacrylate Resin Sealant.....	1.24

03 01 30 71-0017	Concrete Finishes ^(03 01 30 71-0001)	
03 01 30 71-0018	Concrete Patching ^(03 01 30 71-0017)	
03 01 30 71-0019	Walls ^(03 01 30 71-0018)	
03 01 30 71-0020	BAG Sika Top 111 Plus.....	93.68
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	30.82
	For >10 To 25, Add	18.49
	For >25 To 50, Add	12.33
	For >50 To 75, Add	6.16
03 01 30 71-0021	BAG Sika Grout 212, 50 LB Bag	59.75
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	16.52
	For >10 To 25, Add	9.91
	For >25 To 50, Add	6.61
	For >50 To 75, Add	3.30
03 01 30 71-0022	EA Sika Flex 1A, 10.3 Ounce Tube.....	25.51
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0023	BAG Pea Gravel.....	18.01

03 01 30 71-0024	Crack Repair For Concrete ^(03 01 30 71-0001)	
03 01 30 71-0025	Non Structural Crack Repair For Concrete ^(03 01 30 71-0024)	
03 01 30 71-0026	Surface Applied, Non Structural Crack Repair For Concrete ^(03 01 30 71-0025) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.	
03 01 30 71-0027	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	4.75
	For V-Grooving Crack With Grinder, Add	3.83

03 Concrete**03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0028 LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.18	
<i>For V-Grooving Crack With Grinder, Add</i>	3.74	
03 01 30 71-0029 LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	4.82	
<i>For V-Grooving Crack With Grinder, Add</i>	3.83	
03 01 30 71-0030 LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.31	
<i>For V-Grooving Crack With Grinder, Add</i>	3.74	
03 01 30 71-0031 LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.06	
<i>For V-Grooving Crack With Grinder, Add</i>	3.83	
03 01 30 71-0032 LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	6.80	
<i>For V-Grooving Crack With Grinder, Add</i>	3.74	
03 01 30 71-0033 LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	5.24	
<i>For V-Grooving Crack With Grinder, Add</i>	3.83	
03 01 30 71-0034 LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.16	
<i>For V-Grooving Crack With Grinder, Add</i>	3.74	
03 01 30 71-0035 Pressure Injected, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0025)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions.		
03 01 30 71-0036 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	19.24	
<i>For Cracks Accessible From Both Sides, Add</i>	3.90	
03 01 30 71-0037 Structural Crack Repair For Concrete <small>(03 01 30 71-0024)</small>		
03 01 30 71-0038 Surface Applied, Structural Crack Repair For Concrete <small>(03 01 30 71-0037)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming.		
03 01 30 71-0039 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	5.28	
<i>For V-Grooving Crack With Grinder, Add</i>	3.83	
03 01 30 71-0040 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.25	
<i>For V-Grooving Crack With Grinder, Add</i>	3.74	
03 01 30 71-0041 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	5.28	
<i>For V-Grooving Crack With Grinder, Add</i>	3.83	
03 01 30 71-0042 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	7.23	
<i>For V-Grooving Crack With Grinder, Add</i>	3.74	
03 01 30 71-0043 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	5.98	
<i>For V-Grooving Crack With Grinder, Add</i>	3.83	
03 01 30 71-0044 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	8.65	
<i>For V-Grooving Crack With Grinder, Add</i>	3.74	
03 01 30 71-0045 Pressure Injected, Structural Crack Repair For Concrete <small>(03 01 30 71-0037)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions.		
03 01 30 71-0046 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	17.33	
<i>For Cracks Accessible From Both Sides, Add</i>	3.90	
03 01 30 71-0047 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	17.32	
<i>For Cracks Accessible From Both Sides, Add</i>	3.90	
03 01 30 71-0048 Pool Deck Texture Repair <small>(03 01 30 71-0001)</small>		
03 01 30 71-0049 SF Pool Deck Texture Repair.....	10.62	
Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.		
03 01 30 71-0050 Carbon Fiber Strengthening System <small>(03 01 30 71-0001)</small> Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish.		
03 01 30 71-0051 SF Carbon Fiber Strengthening System Beams, Per Layer.....	50.17	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0052 SF Carbon Fiber Strengthening System Columns, Per Layer.....	44.07	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0053 SF Carbon Fiber Strengthening System Slabs, Per Layer.....	38.73	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0054	Corrosive Inhibitor <small>(03 01 30 71)</small>	
03 01 30 71-0055	SF Corrosive Inhibitor.....	2.90

03 05 Common Work Results For Concrete (03)

03 05 00 00-0001	Concrete Admixtures <small>(03 05)</small>	
03 05 00 00-0002	CY Low Range Water Reducing (LRWR), Type A Concrete Admixture.....	3.25
03 05 00 00-0003	CY Set Retarding, Type B Concrete Admixture.....	2.25
03 05 00 00-0004	CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	3.50
03 05 00 00-0005	CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	7.00
03 05 00 00-0006	CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	6.25
03 05 00 00-0007	CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	12.50
03 05 00 00-0008	CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	2.70
03 05 00 00-0009	CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	3.75
03 05 00 00-0010	CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	7.50
03 05 00 00-0011	CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture.....	4.19
03 05 00 00-0012	CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	6.00
03 05 00 00-0013	CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture.....	8.00
03 05 00 00-0014	CY 25 LB/CY Steel Fibers, Concrete Admixture.....	20.28
03 05 00 00-0015	CY 10% Microsilica (Silica Fume), Concrete Admixture.....	67.08
03 05 00 00-0016	CY Corrosion Inhibiting Concrete Admixture.....	15.00
03 05 00 00-0017	CY Winter Service Or Heat, Concrete Add.....	3.50
03 05 00 00-0018	CY Chilled Water, Concrete Add.....	3.50
03 05 00 00-0019	CY Subtle Color (See Davis Colors Color Card), Concrete Admixture.....	20.25
03 05 00 00-0020	CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	33.75
03 05 00 00-0021	CY Premium Color (See Davis Colors Color Card), Concrete Admixture.....	64.80
03 05 00 00-0022	CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture.....	90.00

03 10 Concrete Forming And Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001	Wood Formwork <small>(03 11 13)</small>	
	Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.	
03 11 13 00-0002	Foundation Wood Formwork <small>(03 11 13 00-0001)</small>	
	Note: For foundation work below or at grade.	
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork.....	5.84
	<i>For <1,000, Add</i>	1.07
	<i>For Foundations >8' Below Grade, Add</i>	1.02
	<i>For Curved Formwork, Add</i>	2.04
03 11 13 00-0004	SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	6.93
	<i>For <1,000, Add</i>	1.28
	<i>For Foundations >8' Below Grade, Add</i>	1.23
	<i>For Curved Formwork, Add</i>	2.46
03 11 13 00-0005	SF Mat Foundation Wood Formwork.....	7.87
	<i>For <1,000, Add</i>	1.49
	<i>For Foundations >8' Below Grade, Add</i>	1.45
	<i>For Curved Formwork, Add</i>	2.89
03 11 13 00-0006	SF Grade Beams Or Duct Bank Foundation Wood Formwork.....	6.56
	<i>For <1,000, Add</i>	1.23
	<i>For Foundations >8' Below Grade, Add</i>	1.18
	<i>For Curved Formwork, Add</i>	2.37
03 11 13 00-0007	SF Below Grade Walls Foundation Wood Formwork.....	9.36
	Note: Excludes footing	
	<i>For <1,000, Add</i>	1.74
	<i>For Foundations >8' Below Grade, Add</i>	1.67
	<i>For Curved Formwork, Add</i>	3.35
03 11 13 00-0008	Slab Edge And Block-Out Wood Formwork <small>(03 11 13 00-0001)</small>	
03 11 13 00-0009	LF Up To 6" High Slab Edge and Block-Out Wood Formwork.....	4.45
	<i>For Foundations >8' Below Grade, Add</i>	0.81
	<i>For Curved Formwork, Add</i>	1.62
	<i>For <250, Add</i>	0.84
03 11 13 00-0010	LF >6" To 12" High Slab Edge and Block-Out Wood Formwork.....	6.45
	<i>For Foundations >8' Below Grade, Add</i>	1.14
	<i>For Curved Formwork, Add</i>	2.27
	<i>For <250, Add</i>	1.19
03 11 13 00-0011	SF >12" High Slab Edge and Block-Out Wood Formwork.....	8.20
	<i>For Foundations >8' Below Grade, Add</i>	1.47
	<i>For Curved Formwork, Add</i>	2.94
	<i>For <1,000, Add</i>	1.53

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 11 13 00-0012		Column Wood Formwork (03 11 13 00-0001)			
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork.....	34.88		
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork.....	50.85		
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork.....	63.43		
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork.....	90.28		
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork.....	129.25		
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork.....	170.06		
03 11 13 00-0019		Above Grade Wall Wood Formwork (03 11 13 00-0001)			
03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork.....	10.43		
		<i>For Curved Formwork, Add</i>	3.78		
		<i>For <1,000, Add</i>	1.95		
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork.....	12.37		
		<i>For Curved Formwork, Add</i>	4.48		
		<i>For <1,000, Add</i>	2.32		
03 11 13 00-0022		Elevated Beam Wood Formwork (03 11 13 00-0001)			
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.			
03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork.....	13.40		
		<i>For Curved Formwork, Add</i>	4.90		
		<i>For <1,000, Add</i>	2.53		
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork.....	8.62		
		<i>For Curved Formwork, Add</i>	3.14		
		<i>For <1,000, Add</i>	1.62		
03 11 13 00-0025		Elevated Slab Wood Formwork (03 11 13 00-0001)			
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.			
03 11 13 00-0026	SF	Elevated Slab Wood Formwork.....	7.99		
		<i>For <1,000, Add</i>	1.45		
03 11 13 00-0027		Metal Framed Formwork (03 11 13)			
		Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.			
03 11 13 00-0028		Foundation Metal Framed Formwork (03 11 13 00-0027)			
		Note: For foundation work below or at grade.			
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork.....	4.83		
		<i>For <1,000, Add</i>	0.92		
		<i>For Foundations >8' Below Grade, Add</i>	0.89		
		<i>For Curved Formwork, Add</i>	1.78		
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork.....	5.39		
		<i>For <1,000, Add</i>	1.03		
		<i>For Foundations >8' Below Grade, Add</i>	1.00		
		<i>For Curved Formwork, Add</i>	2.00		
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork.....	5.99		
		<i>For <1,000, Add</i>	1.13		
		<i>For Foundations >8' Below Grade, Add</i>	1.10		
		<i>For Curved Formwork, Add</i>	2.20		
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....	5.04		
		<i>For <1,000, Add</i>	0.95		
		<i>For Foundations >8' Below Grade, Add</i>	0.92		
		<i>For Curved Formwork, Add</i>	1.85		
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork.....	7.79		
		Note: Excludes footing.			
		<i>For <1,000, Add</i>	1.49		
		<i>For Foundations >8' Below Grade, Add</i>	1.45		
		<i>For Curved Formwork, Add</i>	2.91		
03 11 13 00-0034		Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)			
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork.....	3.71		
		<i>For Foundations >8' Below Grade, Add</i>	0.73		
		<i>For Curved Formwork, Add</i>	1.46		
		<i>For <250, Add</i>	0.73		
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	4.63		
		<i>For Foundations >8' Below Grade, Add</i>	0.91		
		<i>For Curved Formwork, Add</i>	1.81		
		<i>For <250, Add</i>	0.91		
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork.....	5.12		
		<i>For Foundations >8' Below Grade, Add</i>	1.00		
		<i>For Curved Formwork, Add</i>	2.00		
		<i>For <1,000, Add</i>	1.01		
03 11 13 00-0038		Column Metal Framed Formwork (03 11 13 00-0038)			
03 11 13 00-0039		Square Columns (03 11 13 00-0038)			
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork.....	29.73		
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork.....	35.78		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 11 13 00-0042	LF		>16" To 20" Square Column Metal Framed Formwork	41.83	
	03 11 13 00-0043	LF		>20" To 24" Square Column Metal Framed Formwork	50.07	
	03 11 13 00-0044	LF		>24" To 30" Square Column Metal Framed Formwork	60.23	
	03 11 13 00-0045	LF		>30" To 36" Square Column Metal Framed Formwork	72.19	
	03 11 13 00-0046	LF		>36" To 48" Square Column Metal Framed Formwork	92.53	
	03 11 13 00-0047	LF		>48" To 60" Square Column Metal Framed Formwork	113.93	
03 11 13 00-0048				Round Columns (03 11 13 00-0038)		
	03 11 13 00-0049	LF		Up To 12" Diameter Column Metal Formwork	25.28	
	03 11 13 00-0050	LF		>12" To 16" Diameter Column Metal Formwork	28.44	
	03 11 13 00-0051	LF		>16" To 20" Diameter Column Metal Formwork	32.97	
	03 11 13 00-0052	LF		>20" To 24" Diameter Column Metal Formwork	39.03	
	03 11 13 00-0053	LF		>24" To 30" Diameter Column Metal Formwork	46.48	
	03 11 13 00-0054	LF		>30" To 36" Diameter Column Metal Formwork	53.52	
	03 11 13 00-0055	LF		>36" To 48" Diameter Column Metal Formwork	67.88	
	03 11 13 00-0056	LF		>48" To 60" Diameter Column Metal Formwork	84.91	
03 11 13 00-0057				Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
	03 11 13 00-0058	SF		Up to 8' High Above Grade Wall Metal Framed Formwork	4.62	
				<i>For Curved Formwork, Add</i>	1.64	
				<i>For <1,000, Add</i>	0.85	
	03 11 13 00-0059	SF		>8' High Above Grade Wall Metal Framed Formwork	5.59	
				<i>For Curved Formwork, Add</i>	1.97	
				<i>For <1,000, Add</i>	1.03	
03 11 13 00-0060				Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
	03 11 13 00-0061	SF		Bottom of Elevated Beam Metal Framed Formwork	4.58	
				<i>For Curved Formwork, Add</i>	1.53	
				<i>For <1,000, Add</i>	0.81	
	03 11 13 00-0062	SF		Vertical Sides of Elevated Beam Metal Framed Formwork	3.41	
				<i>For Curved Formwork, Add</i>	1.19	
				<i>For <1,000, Add</i>	0.63	
03 11 13 00-0063				Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
	03 11 13 00-0064	SF		Elevated Slab Metal Framed Formwork	6.01	
				<i>For <1,000, Add</i>	0.96	
03 11 13 00-0065				Fiber Tube Formwork (03 11 13)		
				Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066				Round Column Fiber Tube Formwork (03 11 13 00-0065)		
	03 11 13 00-0067	LF		8" Diameter Round Fiber Tube Formwork	14.80	
				<i>For Plastic Lined, Add</i>	0.82	
				<i>For Columns >12' In Length, Add</i>	1.48	
	03 11 13 00-0068	LF		10" Diameter Round Fiber Tube Formwork	16.67	
				<i>For Plastic Lined, Add</i>	1.04	
				<i>For Columns >12' In Length, Add</i>	1.67	
	03 11 13 00-0069	LF		12" Diameter Round Fiber Tube Formwork	19.02	
				<i>For Plastic Lined, Add</i>	1.20	
				<i>For Columns >12' In Length, Add</i>	1.90	
	03 11 13 00-0070	LF		14" Diameter Round Fiber Tube Formwork	20.85	
				<i>For Plastic Lined, Add</i>	1.37	
				<i>For Columns >12' In Length, Add</i>	2.09	
	03 11 13 00-0071	LF		16" Diameter Round Fiber Tube Formwork	22.01	
				<i>For Plastic Lined, Add</i>	1.55	
				<i>For Columns >12' In Length, Add</i>	2.20	
	03 11 13 00-0072	LF		18" Diameter Round Fiber Tube Formwork	24.68	
				<i>For Plastic Lined, Add</i>	2.15	
				<i>For Columns >12' In Length, Add</i>	2.47	
	03 11 13 00-0073	LF		20" Diameter Round Fiber Tube Formwork	27.23	
				<i>For Plastic Lined, Add</i>	2.72	
				<i>For Columns >12' In Length, Add</i>	2.72	
	03 11 13 00-0074	LF		22" Diameter Round Fiber Tube Formwork	28.76	
				<i>For Plastic Lined, Add</i>	2.91	
				<i>For Columns >12' In Length, Add</i>	2.88	
	03 11 13 00-0075	LF		24" Diameter Round Fiber Tube Formwork	30.28	
				<i>For Plastic Lined, Add</i>	3.09	
				<i>For Columns >12' In Length, Add</i>	3.03	
	03 11 13 00-0076	LF		26" Diameter Round Fiber Tube Formwork	31.38	
				<i>For Plastic Lined, Add</i>	3.32	
				<i>For Columns >12' In Length, Add</i>	3.14	
	03 11 13 00-0077	LF		28" Diameter Round Fiber Tube Formwork	32.58	
				<i>For Plastic Lined, Add</i>	3.57	
				<i>For Columns >12' In Length, Add</i>	3.26	
	03 11 13 00-0078	LF		30" Diameter Round Fiber Tube Formwork	33.93	
				<i>For Plastic Lined, Add</i>	3.86	
				<i>For Columns >12' In Length, Add</i>	3.39	

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0079 LF 36" Diameter Round Fiber Tube Formwork	38.55	
For Plastic Lined, Add	4.85	
For Columns >12' In Length, Add	3.86	
03 11 13 00-0080 LF 42" Diameter Round Fiber Tube Formwork	47.73	
For Plastic Lined, Add	7.32	
For Columns >12' In Length, Add	4.77	
03 11 13 00-0081 LF 48" Diameter Round Fiber Tube Formwork	56.89	
For Plastic Lined, Add	9.79	
For Columns >12' In Length, Add	5.69	
03 11 13 00-0082 Accessories For Formwork (03 11 13)		
03 11 13 00-0083 Keyway Forms, All Materials (03 11 13 00-0082)		
03 11 13 00-0084 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.55	
03 11 13 00-0085 Chamfer Strips, All Materials (03 11 13 00-0082)		
03 11 13 00-0086 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.63	
03 11 13 00-0087 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.90	
03 11 13 00-0088 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.20	
03 11 13 00-0089 Reglets (03 11 13 00-0082)		
03 11 13 00-0090 LF 24 To 26 Gauge Galvanized Steel Reglets for Concrete Formwork	7.81	
03 11 13 00-0091 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0082)		
03 11 13 00-0092 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	8.68	
03 11 13 00-0093 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	10.31	
03 11 13 00-0094 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	12.44	
03 11 13 00-0095 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	13.76	
03 11 13 00-0096 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	17.63	
03 11 13 00-0097 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	35.68	
03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 00-0001 Concrete Form Liners (03 11 16)		
03 11 16 00-0002 SF Concrete Form Liner, Various Patterns And Textures, Add To Formwork.....	3.92	
03 11 23 Permanent Stair Forming (03 11)		
03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork	13.16	
For Curved Formwork, Add	5.00	
For <1,000, Add	2.55	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork	25.70	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	9.70	
For <1,000, Add	4.95	
03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork	10.45	
For Curved Formwork, Add	4.04	
For <1,000, Add	2.04	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork	19.45	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	7.50	
For <1,000, Add	3.80	
03 15 Concrete Accessories (03 10)		
03 15 13 Waterstops (03 15)		
03 15 13 13 Non-Expanding Waterstops (03 15 13)		
03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	5.61	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	6.21	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.26	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.87	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.85	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	5.64	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	7.22	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	11.67	
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	9.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 13 13-0011 Rubber Waterstops (03 15 13 13)						
	03 15 13 13-0012	LF		3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	7.17	
	03 15 13 13-0013	LF		3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	8.37	
	03 15 13 13-0014	LF		1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	7.88	
	03 15 13 13-0015	LF		1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	11.21	
	03 15 13 13-0016	LF		3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	8.87	
	03 15 13 13-0017	LF		3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	11.73	
03 15 13 16 Expanding Waterstops (03 15 13)						
03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)						
	03 15 13 16-0002	LF		3/4" x 3/8" Bentonite Waterstop.....	4.79	
	03 15 13 16-0003	LF		1-1/4" x 1/2" Bentonite Waterstop.....	7.05	
	03 15 13 16-0004	LF		1" x 3/4" Bentonite Waterstop.....	7.86	
	03 15 13 16-0005	LF		1" x 1" Bentonite Waterstop.....	8.74	
03 15 16 Concrete Construction Joints (03 15)						
03 15 16 00-0001 Poured Expansion Joint (03 15 16)						
	03 15 16 00-0002	LF		1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	2.56	0.66
				<i>For Installation In Walls, Add</i>	1.10	
	03 15 16 00-0003	LF		1" x 2" Plain Asphalt Expansion Joint, Poured.....	5.55	0.66
				<i>For Installation In Walls, Add</i>	1.25	
	03 15 16 00-0004	LF		1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	2.22	0.66
				<i>For Installation In Walls, Add</i>	1.10	
	03 15 16 00-0005	LF		1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	4.67	0.66
				<i>For Installation In Walls, Add</i>	1.25	
	03 15 16 00-0006	LF		1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	2.32	0.66
				<i>For Installation In Walls, Add</i>	1.25	
	03 15 16 00-0007	LF		1" x 2" Polyurethane Expansion Joint, Poured, Hot Or Cold Applied.....	5.27	0.66
				<i>For Installation In Walls, Add</i>	2.03	
	03 15 16 00-0008	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	1.83	0.66
				<i>For Installation In Walls, Add</i>	1.10	
	03 15 16 00-0009	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	2.23	0.66
				<i>For Installation In Walls, Add</i>	1.10	
	03 15 16 00-0010	LF		1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	3.05	0.66
				<i>For Installation In Walls, Add</i>	1.25	
03 15 16 00-0011 Premolded Expansion Joints (03 15 16)						
03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)						
	03 15 16 00-0013	LF		1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.63	0.75
	03 15 16 00-0014	LF		1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.85	0.80
	03 15 16 00-0015	LF		1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.99	0.84
	03 15 16 00-0016	LF		1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.14	0.87
	03 15 16 00-0017	LF		3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.76	0.75
	03 15 16 00-0018	LF		3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.96	0.80
	03 15 16 00-0019	LF		3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.18	0.84
	03 15 16 00-0020	LF		3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.52	0.87
	03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.61	0.71
	03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.74	0.75
	03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.91	0.80
	03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.04	0.84
	03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.21	0.87
	03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.44	0.91
	03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.63	0.95
	03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.93	0.99
	03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.92	0.80
	03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.18	0.84
	03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.64	0.91
	03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.53	1.25
03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)						
	03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint.....	2.68	0.80
	03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint.....	3.01	0.87
	03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint.....	3.26	0.91
	03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint.....	4.51	0.95
	03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint.....	4.80	0.99
	03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint.....	5.34	1.25
	03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint.....	6.15	1.25
	03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint.....	6.52	1.25
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)						
	03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.76	0.80
	03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.83	0.84
	03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.94	0.87

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0046 LF 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.22	0.91
03 15 16 00-0047 LF 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.81	0.80
03 15 16 00-0048 LF 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.89	0.84
03 15 16 00-0049 LF 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	1.97	0.87
03 15 16 00-0050 LF 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.15	0.91
03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052 LF 1" Zip Strip, Premolded Expansion Joint.....	1.78	0.80
03 15 16 00-0053 LF 1-1/2" Zip Strip, Premolded Expansion Joint.....	1.93	0.84
03 15 16 00-0054 LF 2" Zip Strip, Premolded Expansion Joint.....	2.14	0.91
03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056 LF 1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	3.57	0.75
03 15 16 00-0057 LF 1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	4.27	0.75
03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059 SF Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	0.88	0.56
03 15 16 00-0060 SF Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	0.81	0.56
03 15 16 00-0061 Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063 LF 24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	4.34	
03 15 16 00-0064 LF 24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	4.42	
03 15 16 00-0065 LF 24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	4.58	
03 15 16 00-0066 LF 24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	4.86	
03 15 16 00-0067 LF 24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	6.10	
03 15 19 Cast-In Concrete Anchors (03 15)		
03 15 19 00-0001 Cast In Place Anchors (03 15 19)		
Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002 J-Type Anchor Bolts (03 15 19 00-0001)		
See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003 1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004 EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	6.05	
For Galvanized, Add	0.88	
For Stainless Steel, Add	6.13	
For >10 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.95	
03 15 19 00-0005 EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	6.87	
For Galvanized, Add	1.12	
For Stainless Steel, Add	7.84	
For >10 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.52	
For >100, Deduct	-1.04	
03 15 19 00-0006 EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	8.10	
For Galvanized, Add	1.54	
For Stainless Steel, Add	10.78	
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.58	
For >100, Deduct	-1.16	
03 15 19 00-0007 EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.04	
For Galvanized, Add	2.01	
For Stainless Steel, Add	14.07	
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.60	
For >100, Deduct	-1.21	
03 15 19 00-0008 EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.84	
For Galvanized, Add	2.69	
For Stainless Steel, Add	18.80	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.68	
For >100, Deduct	-1.36	
03 15 19 00-0009 EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	12.16	
For Galvanized, Add	3.07	
For Stainless Steel, Add	21.49	
For >10 To 50, Deduct	-0.30	
For >50 To 100, Deduct	-0.76	
For >100, Deduct	-1.51	
03 15 19 00-0010 3/4" And 7/8" Diameter (03 15 19 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0011 EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.12	
<i>For Galvanized, Add</i>	3.05	
<i>For Stainless Steel, Add</i>	21.35	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.75	
<i>For >100, Deduct</i>	-1.51	
03 15 19 00-0012 EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.79	
<i>For Galvanized, Add</i>	3.55	
<i>For Stainless Steel, Add</i>	24.85	
<i>For >10 To 50, Deduct</i>	-0.33	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.69	
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.62	
<i>For Galvanized, Add</i>	4.55	
<i>For Stainless Steel, Add</i>	31.85	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.90	
<i>For Galvanized, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	40.15	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.26	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.85	
<i>For Galvanized, Add</i>	4.17	
<i>For Stainless Steel, Add</i>	29.16	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.92	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.58	
<i>For Galvanized, Add</i>	4.99	
<i>For Stainless Steel, Add</i>	34.93	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.22	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.33	
<i>For Galvanized, Add</i>	6.65	
<i>For Stainless Steel, Add</i>	46.55	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100, Deduct</i>	-2.67	
03 15 19 00-0018 1" And 1-1/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.38	
<i>For Galvanized, Add</i>	5.39	
<i>For Stainless Steel, Add</i>	37.73	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.26	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.00	
<i>For Galvanized, Add</i>	6.49	
<i>For Stainless Steel, Add</i>	45.40	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.65	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.29	
<i>For Galvanized, Add</i>	8.13	
<i>For Stainless Steel, Add</i>	56.91	
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100, Deduct</i>	-3.22	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.92	
<i>For Galvanized, Add</i>	9.94	
<i>For Stainless Steel, Add</i>	69.55	
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-2.00	
<i>For >100, Deduct</i>	-4.00	
03 15 19 00-0023 EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.91	
<i>For Galvanized, Add</i>	6.74	
<i>For Stainless Steel, Add</i>	47.15	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100, Deduct</i>	-2.56	
03 15 19 00-0024 EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.23	
<i>For Galvanized, Add</i>	8.11	
<i>For Stainless Steel, Add</i>	56.77	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100, Deduct</i>	-3.01	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.54	
			<i>For Galvanized, Add</i>	10.17	
			<i>For Stainless Steel, Add</i>	71.16	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.83	
			<i>For >100, Deduct</i>	-3.66	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	41.35	
			<i>For Galvanized, Add</i>	12.42	
			<i>For Stainless Steel, Add</i>	86.91	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.55	
03 15 19 00-0027			1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.29	
			<i>For Galvanized, Add</i>	8.42	
			<i>For Stainless Steel, Add</i>	58.94	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.93	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.47	
			<i>For Galvanized, Add</i>	10.14	
			<i>For Stainless Steel, Add</i>	70.95	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100, Deduct</i>	-3.45	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	40.04	
			<i>For Galvanized, Add</i>	12.71	
			<i>For Stainless Steel, Add</i>	88.94	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100, Deduct</i>	-4.20	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	49.33	
			<i>For Galvanized, Add</i>	15.52	
			<i>For Stainless Steel, Add</i>	108.64	
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-2.61	
			<i>For >100, Deduct</i>	-5.21	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.77	
			<i>For Galvanized, Add</i>	10.53	
			<i>For Stainless Steel, Add</i>	73.68	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.40	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.02	
			<i>For Galvanized, Add</i>	12.67	
			<i>For Stainless Steel, Add</i>	88.69	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-2.00	
			<i>For >100, Deduct</i>	-4.00	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	48.19	
			<i>For Galvanized, Add</i>	15.89	
			<i>For Stainless Steel, Add</i>	111.20	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.87	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	59.31	
			<i>For Galvanized, Add</i>	19.40	
			<i>For Stainless Steel, Add</i>	135.80	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-3.02	
			<i>For >100, Deduct</i>	-6.04	
03 15 19 00-0036			L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037			3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	11.35	
			<i>For Galvanized, Add</i>	2.33	
			<i>For Stainless Steel, Add</i>	16.31	
			<i>For >10 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.57	
03 15 19 00-0039	EA		3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.28	
			<i>For Galvanized, Add</i>	2.88	
			<i>For Stainless Steel, Add</i>	20.16	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0040 EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.20	
For Galvanized, Add	3.30	
For Stainless Steel, Add	23.10	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.05	
03 15 19 00-0041 EA 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.88	
For Galvanized, Add	3.43	
For Stainless Steel, Add	23.98	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.35	
03 15 19 00-0042 EA 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.22	
For Galvanized, Add	3.60	
For Stainless Steel, Add	25.17	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.77	
03 15 19 00-0043 EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.30	
For Galvanized, Add	2.89	
For Stainless Steel, Add	20.23	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.90	
For >100, Deduct	-1.79	
03 15 19 00-0044 EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.33	
For Galvanized, Add	3.37	
For Stainless Steel, Add	23.56	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.06	
03 15 19 00-0045 EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.75	
For Galvanized, Add	3.86	
For Stainless Steel, Add	27.02	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.39	
03 15 19 00-0046 EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.04	
For Galvanized, Add	4.01	
For Stainless Steel, Add	28.04	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.81	
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.47	
For Galvanized, Add	4.21	
For Stainless Steel, Add	29.47	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-3.43	
03 15 19 00-0048 1" And 1-1/8" Diameter <small>(03 15 19 00-0038)</small>		
03 15 19 00-0049 EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.01	
For Galvanized, Add	3.71	
For Stainless Steel, Add	25.94	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-2.09	
03 15 19 00-0050 EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.36	
For Galvanized, Add	4.17	
For Stainless Steel, Add	29.16	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.42	
03 15 19 00-0051 EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.35	
For Galvanized, Add	4.66	
For Stainless Steel, Add	32.62	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.87	
03 15 19 00-0052 EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.84	
For Galvanized, Add	4.88	
For Stainless Steel, Add	34.16	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.55	
For >100, Deduct	-3.10	
03 15 19 00-0053 EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.27	
For Galvanized, Add	5.11	
For Stainless Steel, Add	35.77	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.52	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.56	
			<i>For Galvanized, Add</i>	5.92	
			<i>For Stainless Steel, Add</i>	41.44	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-3.94	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.92	
			<i>For Galvanized, Add</i>	6.93	
			<i>For Stainless Steel, Add</i>	48.51	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100, Deduct</i>	-4.71	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.78	
			<i>For Galvanized, Add</i>	4.88	
			<i>For Stainless Steel, Add</i>	34.13	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.49	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.94	
			<i>For Galvanized, Add</i>	5.46	
			<i>For Stainless Steel, Add</i>	38.19	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.95	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.49	
			<i>For Galvanized, Add</i>	5.71	
			<i>For Stainless Steel, Add</i>	39.94	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.19	
03 15 19 00-0059			1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.82	
			<i>For Galvanized, Add</i>	5.90	
			<i>For Stainless Steel, Add</i>	41.27	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.50	
			<i>For >100, Deduct</i>	-3.00	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.84	
			<i>For Galvanized, Add</i>	6.90	
			<i>For Stainless Steel, Add</i>	48.27	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100, Deduct</i>	-3.70	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.45	
			<i>For Galvanized, Add</i>	7.81	
			<i>For Stainless Steel, Add</i>	54.67	
			<i>For >10 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-3.95	
03 15 19 00-0063	EA		1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.36	
			<i>For Galvanized, Add</i>	8.82	
			<i>For Stainless Steel, Add</i>	61.74	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-4.23	
03 15 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.99	
			<i>For Galvanized, Add</i>	9.60	
			<i>For Stainless Steel, Add</i>	67.17	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.72	
03 15 19 00-0065	EA		1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.04	
			<i>For Galvanized, Add</i>	10.28	
			<i>For Stainless Steel, Add</i>	71.93	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100, Deduct</i>	-5.33	
03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.07	
			<i>For Galvanized, Add</i>	11.00	
			<i>For Stainless Steel, Add</i>	76.97	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-3.06	
			<i>For >100, Deduct</i>	-6.12	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.41	
			<i>For Galvanized, Add</i>	12.16	
			<i>For Stainless Steel, Add</i>	85.12	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100, Deduct</i>	-7.23	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0068	EA			1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	26.77	
				<i>For Galvanized, Add</i>	7.37	
				<i>For Stainless Steel, Add</i>	51.59	
				<i>For >10 To 50, Deduct</i>	-0.60	
				<i>For >50 To 100, Deduct</i>	-1.57	
				<i>For >100, Deduct</i>	-3.14	
03 15 19 00-0069	EA			1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	32.30	
				<i>For Galvanized, Add</i>	8.63	
				<i>For Stainless Steel, Add</i>	60.38	
				<i>For >10 To 50, Deduct</i>	-0.75	
				<i>For >50 To 100, Deduct</i>	-1.94	
				<i>For >100, Deduct</i>	-3.87	
03 15 19 00-0070	EA			1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	35.36	
				<i>For Galvanized, Add</i>	9.77	
				<i>For Stainless Steel, Add</i>	68.36	
				<i>For >10 To 50, Deduct</i>	-0.79	
				<i>For >50 To 100, Deduct</i>	-2.07	
				<i>For >100, Deduct</i>	-4.14	
03 15 19 00-0071	EA			1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	38.77	
				<i>For Galvanized, Add</i>	11.03	
				<i>For Stainless Steel, Add</i>	77.18	
				<i>For >10 To 50, Deduct</i>	-0.84	
				<i>For >50 To 100, Deduct</i>	-2.22	
				<i>For >100, Deduct</i>	-4.45	
03 15 19 00-0072	EA			1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	42.79	
				<i>For Galvanized, Add</i>	12.00	
				<i>For Stainless Steel, Add</i>	83.97	
				<i>For >10 To 50, Deduct</i>	-0.94	
				<i>For >50 To 100, Deduct</i>	-2.48	
				<i>For >100, Deduct</i>	-4.96	
03 15 19 00-0073	EA			1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	47.18	
				<i>For Galvanized, Add</i>	12.85	
				<i>For Stainless Steel, Add</i>	89.92	
				<i>For >10 To 50, Deduct</i>	-1.07	
				<i>For >50 To 100, Deduct</i>	-2.79	
				<i>For >100, Deduct</i>	-5.58	
03 15 19 00-0074	EA			1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	52.80	
				<i>For Galvanized, Add</i>	13.86	
				<i>For Stainless Steel, Add</i>	97.02	
				<i>For >10 To 50, Deduct</i>	-1.25	
				<i>For >50 To 100, Deduct</i>	-3.20	
				<i>For >100, Deduct</i>	-6.40	
03 15 19 00-0075	EA			1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	60.49	
				<i>For Galvanized, Add</i>	15.20	
				<i>For Stainless Steel, Add</i>	106.40	
				<i>For >10 To 50, Deduct</i>	-1.50	
				<i>For >50 To 100, Deduct</i>	-3.77	
				<i>For >100, Deduct</i>	-7.54	
03 15 19 00-0076				1-1/2", 1-3/4", And 2" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0077	EA			1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	34.11	
				<i>For Galvanized, Add</i>	10.22	
				<i>For Stainless Steel, Add</i>	71.51	
				<i>For >10 To 50, Deduct</i>	-0.68	
				<i>For >50 To 100, Deduct</i>	-1.88	
				<i>For >100, Deduct</i>	-3.76	
03 15 19 00-0078	EA			1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	37.25	
				<i>For Galvanized, Add</i>	10.71	
				<i>For Stainless Steel, Add</i>	74.97	
				<i>For >10 To 50, Deduct</i>	-0.79	
				<i>For >50 To 100, Deduct</i>	-2.12	
				<i>For >100, Deduct</i>	-4.24	
03 15 19 00-0079	EA			1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	41.26	
				<i>For Galvanized, Add</i>	11.79	
				<i>For Stainless Steel, Add</i>	82.50	
				<i>For >10 To 50, Deduct</i>	-0.88	
				<i>For >50 To 100, Deduct</i>	-2.36	
				<i>For >100, Deduct</i>	-4.72	
03 15 19 00-0080	EA			1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	44.55	
				<i>For Galvanized, Add</i>	12.88	
				<i>For Stainless Steel, Add</i>	90.13	
				<i>For >10 To 50, Deduct</i>	-0.94	
				<i>For >50 To 100, Deduct</i>	-2.52	
				<i>For >100, Deduct</i>	-5.05	
03 15 19 00-0081	EA			1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.00	
				<i>For Galvanized, Add</i>	13.97	
				<i>For Stainless Steel, Add</i>	97.79	
				<i>For >10 To 50, Deduct</i>	-1.00	
				<i>For >50 To 100, Deduct</i>	-2.70	
				<i>For >100, Deduct</i>	-5.41	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0082	EA		1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.18	
			<i>For Galvanized, Add</i>	15.02	
			<i>For Stainless Steel, Add</i>	105.14	
			<i>For >10 To 50, Deduct</i>	-1.16	
			<i>For >50 To 100, Deduct</i>	-3.07	
			<i>For >100, Deduct</i>	-6.13	
03 15 19 00-0083	EA		1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.85	
			<i>For Galvanized, Add</i>	16.25	
			<i>For Stainless Steel, Add</i>	113.75	
			<i>For >10 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-3.55	
			<i>For >100, Deduct</i>	-7.10	
03 15 19 00-0084	EA		1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.48	
			<i>For Galvanized, Add</i>	18.02	
			<i>For Stainless Steel, Add</i>	126.14	
			<i>For >10 To 50, Deduct</i>	-1.67	
			<i>For >50 To 100, Deduct</i>	-4.25	
			<i>For >100, Deduct</i>	-8.49	
03 15 19 00-0085	EA		1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.78	
			<i>For Galvanized, Add</i>	15.37	
			<i>For Stainless Steel, Add</i>	107.56	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.55	
03 15 19 00-0086	EA		1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.12	
			<i>For Galvanized, Add</i>	15.70	
			<i>For Stainless Steel, Add</i>	109.90	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100, Deduct</i>	-4.91	
03 15 19 00-0087	EA		1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.60	
			<i>For Galvanized, Add</i>	15.96	
			<i>For Stainless Steel, Add</i>	111.69	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-2.57	
			<i>For >100, Deduct</i>	-5.13	
03 15 19 00-0088	EA		1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.65	
			<i>For Galvanized, Add</i>	18.43	
			<i>For Stainless Steel, Add</i>	128.98	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-2.80	
			<i>For >100, Deduct</i>	-5.60	
03 15 19 00-0089	EA		1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.03	
			<i>For Galvanized, Add</i>	21.27	
			<i>For Stainless Steel, Add</i>	148.89	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-3.21	
			<i>For >100, Deduct</i>	-6.43	
03 15 19 00-0090	EA		1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	68.18	
			<i>For Galvanized, Add</i>	21.55	
			<i>For Stainless Steel, Add</i>	150.85	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-3.59	
			<i>For >100, Deduct</i>	-7.17	
03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	76.63	
			<i>For Galvanized, Add</i>	23.27	
			<i>For Stainless Steel, Add</i>	162.89	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-4.17	
			<i>For >100, Deduct</i>	-8.35	
03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.74	
			<i>For Galvanized, Add</i>	25.07	
			<i>For Stainless Steel, Add</i>	175.46	
			<i>For >10 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-5.01	
			<i>For >100, Deduct</i>	-10.03	
03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.47	
			<i>For Galvanized, Add</i>	23.39	
			<i>For Stainless Steel, Add</i>	163.73	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100, Deduct</i>	-5.88	
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.64	
			<i>For Galvanized, Add</i>	25.29	
			<i>For Stainless Steel, Add</i>	177.03	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-3.27	
			<i>For >100, Deduct</i>	-6.54	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	78.27	
			<i>For Galvanized, Add</i>	27.57	
			<i>For Stainless Steel, Add</i>	192.96	
			<i>For >10 To 50, Deduct</i>	-1.16	
			<i>For >50 To 100, Deduct</i>	-3.69	
			<i>For >100, Deduct</i>	-7.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	85.73	
			<i>For Galvanized, Add</i>	29.19	
			<i>For Stainless Steel, Add</i>	204.33	
			<i>For >10 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-4.19	
			<i>For >100, Deduct</i>	-8.39	
03 15 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	92.83	
			<i>For Galvanized, Add</i>	31.37	
			<i>For Stainless Steel, Add</i>	219.59	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-4.58	
			<i>For >100, Deduct</i>	-9.16	
03 15 19 00-0098	EA		2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	100.43	
			<i>For Galvanized, Add</i>	33.50	
			<i>For Stainless Steel, Add</i>	234.47	
			<i>For >10 To 50, Deduct</i>	-1.67	
			<i>For >50 To 100, Deduct</i>	-5.02	
			<i>For >100, Deduct</i>	-10.04	
03 15 19 00-0099	EA		2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.93	
			<i>For Galvanized, Add</i>	35.98	
			<i>For Stainless Steel, Add</i>	251.83	
			<i>For >10 To 50, Deduct</i>	-2.15	
			<i>For >50 To 100, Deduct</i>	-6.10	
			<i>For >100, Deduct</i>	-12.19	
03 15 19 00-0100	EA		2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.07	
			<i>For Galvanized, Add</i>	39.55	
			<i>For Stainless Steel, Add</i>	276.82	
			<i>For >10 To 50, Deduct</i>	-2.15	
			<i>For >50 To 100, Deduct</i>	-6.28	
			<i>For >100, Deduct</i>	-12.55	
03 15 19 00-0101	EA		2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	138.06	
			<i>For Galvanized, Add</i>	43.96	
			<i>For Stainless Steel, Add</i>	307.72	
			<i>For >10 To 50, Deduct</i>	-2.51	
			<i>For >50 To 100, Deduct</i>	-7.21	
			<i>For >100, Deduct</i>	-14.42	
03 15 19 00-0102			2-1/2" And 2-3/4" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0103	EA		2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	121.63	
			<i>For Galvanized, Add</i>	51.97	
			<i>For Stainless Steel, Add</i>	363.79	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-4.37	
			<i>For >100, Deduct</i>	-8.74	
03 15 19 00-0104	EA		2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.70	
			<i>For Galvanized, Add</i>	54.32	
			<i>For Stainless Steel, Add</i>	380.24	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-4.72	
			<i>For >100, Deduct</i>	-9.44	
03 15 19 00-0105	EA		2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	140.96	
			<i>For Galvanized, Add</i>	58.91	
			<i>For Stainless Steel, Add</i>	412.37	
			<i>For >10 To 50, Deduct</i>	-1.16	
			<i>For >50 To 100, Deduct</i>	-5.26	
			<i>For >100, Deduct</i>	-10.52	
03 15 19 00-0106	EA		2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.52	
			<i>For Galvanized, Add</i>	62.09	
			<i>For Stainless Steel, Add</i>	434.60	
			<i>For >10 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-5.84	
			<i>For >100, Deduct</i>	-11.68	
03 15 19 00-0107	EA		2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	160.91	
			<i>For Galvanized, Add</i>	65.41	
			<i>For Stainless Steel, Add</i>	457.87	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-6.28	
			<i>For >100, Deduct</i>	-12.56	
03 15 19 00-0108	EA		2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.72	
			<i>For Galvanized, Add</i>	69.14	
			<i>For Stainless Steel, Add</i>	483.98	
			<i>For >10 To 50, Deduct</i>	-1.67	
			<i>For >50 To 100, Deduct</i>	-6.80	
			<i>For >100, Deduct</i>	-13.60	
03 15 19 00-0109	EA		2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	188.89	
			<i>For Galvanized, Add</i>	72.96	
			<i>For Stainless Steel, Add</i>	510.69	
			<i>For >10 To 50, Deduct</i>	-2.15	
			<i>For >50 To 100, Deduct</i>	-7.95	
			<i>For >100, Deduct</i>	-15.89	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0110	EA		2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	136.47	
			<i>For Galvanized, Add</i>	58.84	
			<i>For Stainless Steel, Add</i>	411.85	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-4.82	
			<i>For >100, Deduct</i>	-9.64	
03 15 19 00-0111	EA		2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.36	
			<i>For Galvanized, Add</i>	62.94	
			<i>For Stainless Steel, Add</i>	440.55	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-5.30	
			<i>For >100, Deduct</i>	-10.59	
03 15 19 00-0112	EA		2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	159.22	
			<i>For Galvanized, Add</i>	67.07	
			<i>For Stainless Steel, Add</i>	469.49	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100, Deduct</i>	-11.72	
03 15 19 00-0113	EA		2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.69	
			<i>For Galvanized, Add</i>	70.80	
			<i>For Stainless Steel, Add</i>	495.60	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-6.55	
			<i>For >100, Deduct</i>	-13.10	
03 15 19 00-0114	EA		2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	183.19	
			<i>For Galvanized, Add</i>	74.88	
			<i>For Stainless Steel, Add</i>	524.13	
			<i>For >10 To 50, Deduct</i>	-1.67	
			<i>For >50 To 100, Deduct</i>	-7.09	
			<i>For >100, Deduct</i>	-14.18	
03 15 19 00-0115	EA		2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	198.92	
			<i>For Galvanized, Add</i>	80.66	
			<i>For Stainless Steel, Add</i>	564.59	
			<i>For >10 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-7.79	
			<i>For >100, Deduct</i>	-15.59	
03 15 19 00-0116	EA		2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	220.32	
			<i>For Galvanized, Add</i>	85.09	
			<i>For Stainless Steel, Add</i>	595.63	
			<i>For >10 To 50, Deduct</i>	-2.51	
			<i>For >50 To 100, Deduct</i>	-9.27	
			<i>For >100, Deduct</i>	-18.54	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcing Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)**03 21 11 00-0001 Footings And Slabs, Reinforcing Steel** ^(03 21 11)

03 21 11 00-0002	TON		Up To #6, Grade 40, Footings And Slabs, Reinforcing Steel	2,329.05	
			<i>For Epoxy Coated, Add</i>	677.59	
			<i>For Stainless Steel, Add</i>	2,021.99	
			<i>For Galvanized, Add</i>	359.46	
03 21 11 00-0003	TON		>#6, Grade 40, Footings And Slabs, Reinforcing Steel	2,108.88	
			<i>For Epoxy Coated, Add</i>	626.03	
			<i>For Stainless Steel, Add</i>	1,868.13	
			<i>For Galvanized, Add</i>	332.11	
03 21 11 00-0004	TON		Up To #6, Grade 50, Footings And Slabs, Reinforcing Steel	2,368.12	
			<i>For Epoxy Coated, Add</i>	707.05	
			<i>For Stainless Steel, Add</i>	2,109.89	
			<i>For Galvanized, Add</i>	375.09	
03 21 11 00-0005	TON		>#6, Grade 50, Footings And Slabs, Reinforcing Steel	2,153.81	
			<i>For Epoxy Coated, Add</i>	659.91	
			<i>For Stainless Steel, Add</i>	1,969.22	
			<i>For Galvanized, Add</i>	350.08	
03 21 11 00-0006	TON		Up To #6, Grade 60, Footings And Slabs, Reinforcing Steel	2,403.28	
			<i>For Epoxy Coated, Add</i>	733.56	
			<i>For Stainless Steel, Add</i>	2,189.00	
			<i>For Galvanized, Add</i>	389.16	
03 21 11 00-0007	TON		>#6, Grade 60, Footings And Slabs, Reinforcing Steel	2,216.33	
			<i>For Epoxy Coated, Add</i>	707.05	
			<i>For Stainless Steel, Add</i>	2,109.89	
			<i>For Galvanized, Add</i>	375.09	
03 21 11 00-0008	TON		Up To #6, Grade 70, Footings And Slabs, Reinforcing Steel	2,436.49	
			<i>For Epoxy Coated, Add</i>	758.60	
			<i>For Stainless Steel, Add</i>	2,263.73	
			<i>For Galvanized, Add</i>	402.44	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcing Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0009 TON >#6, Grade 70, Footings And Slabs, Reinforcing Steel.....	2,226.10	
For Epoxy Coated, Add	714.42	
For Stainless Steel, Add	2,131.88	
For Galvanized, Add	379.00	
03 21 11 00-0010 Beams, Columns And Walls, Reinforcing Steel (03 21 11)		
03 21 11 00-0011 Beams, Columns And Walls, Reinforcing Steel (03 21 11 00-0010)		
03 21 11 00-0012 TON Up To #6, Grade 50, Beams, Columns And Walls, Reinforcing Steel.....	2,381.83	
For Epoxy Coated, Add	717.39	
For Stainless Steel, Add	2,140.74	
For Galvanized, Add	380.58	
03 21 11 00-0013 TON >#6, Grade 50, Beams, Columns And Walls, Reinforcing Steel	2,166.77	
For Epoxy Coated, Add	669.68	
For Stainless Steel, Add	1,998.38	
For Galvanized, Add	355.27	
03 21 11 00-0014 TON Up To #6, Grade 60, Beams, Columns And Walls, Reinforcing Steel.....	2,428.06	
For Epoxy Coated, Add	752.24	
For Stainless Steel, Add	2,244.76	
For Galvanized, Add	399.07	
03 21 11 00-0015 TON >#6, Grade 60, Beams, Columns And Walls, Reinforcing Steel	2,251.94	
For Epoxy Coated, Add	733.90	
For Stainless Steel, Add	2,190.02	
For Galvanized, Add	389.34	
03 21 11 00-0016 TON Up To #6, Grade 70, Beams, Columns And Walls, Reinforcing Steel.....	2,508.36	
For Epoxy Coated, Add	812.79	
For Stainless Steel, Add	2,425.43	
For Galvanized, Add	431.19	
03 21 11 00-0017 TON >#6, Grade 70, Beams, Columns And Walls, Reinforcing Steel	2,293.31	
For Epoxy Coated, Add	765.09	
For Stainless Steel, Add	2,283.10	
For Galvanized, Add	405.88	
03 21 11 00-0018 Mechanical Joint Connection (03 21 11 00-0010)		
03 21 11 00-0019 Thermal Type Mechanical Joint Connection (03 21 11 00-0018)		
03 21 11 00-0020 EA Thermal Type Mechanical Joint Connection, Add Per Splice	150.39	
03 21 11 00-0021 Screwed Type Mechanical Joint Connection (03 21 11 00-0018)		
03 21 11 00-0022 EA Screwed Type Mechanical Joint Connection, Add Per Splice	82.93	
03 21 11 00-0023 Spirals, Reinforcing Steel (03 21 11 00-0010)		
03 21 11 00-0024 TON Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,450.56	
03 21 11 00-0025 TON >15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,419.74	
03 21 11 00-0026 TON >24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,419.74	
03 21 11 00-0027 TON >36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,357.81	
03 21 11 00-0028 TON >48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,305.84	
03 21 11 00-0029 TON >64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,307.71	
03 21 11 00-0030 TON >84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,264.21	
03 21 11 00-0031 Dowels (03 21 11)		
Note: Includes grout.		
03 21 11 00-0032 Deformed Straight Dowels (03 21 11 00-0031)		
03 21 11 00-0033 EA 3/8" Diameter x 24" Long, Deformed Straight Dowel	1.90	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	1.80	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	1.73	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.06	
For >12" To <24" Length, Deduct	-0.12	
For Up To 12" Length, Deduct	-0.23	
03 21 11 00-0034 EA 1/2" Diameter x 24" Long, Deformed Straight Dowel	2.27	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.04	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	1.97	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.35	
For >12" To <24" Length, Deduct	-0.15	
For Up To 12" Length, Deduct	-0.30	
03 21 11 00-0035 EA 5/8" Diameter x 24" Long, Deformed Straight Dowel	2.79	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.15	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.07	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.47	
For >12" To <24" Length, Deduct	-0.24	
For Up To 12" Length, Deduct	-0.48	
03 21 11 00-0036 EA 3/4" Diameter x 24" Long, Deformed Straight Dowel	3.42	
For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.26	
For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.18	
For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.60	
For >12" To <24" Length, Deduct	-0.35	
For Up To 12" Length, Deduct	-0.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0037	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel	4.05	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.20	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.12	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.53	
			For >12" To <24" Length, Deduct	-0.48	
			For Up To 12" Length, Deduct	-0.97	
03 21 11 00-0038	EA		1" Diameter x 24" Long, Deformed Straight Dowel	5.11	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.69	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.59	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	3.10	
			For >12" To <24" Length, Deduct	-0.62	
			For Up To 12" Length, Deduct	-1.24	
03 21 11 00-0039	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.05	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.97	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.86	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	3.41	
			For >12" To <24" Length, Deduct	-0.77	
			For Up To 12" Length, Deduct	-1.53	
03 21 11 00-0040	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel	7.42	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	3.23	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	3.11	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	3.71	
			For >12" To <24" Length, Deduct	-1.00	
			For Up To 12" Length, Deduct	-2.00	
03 21 11 00-0041	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel	8.83	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	3.53	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	3.39	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	4.06	
			For >12" To <24" Length, Deduct	-1.24	
			For Up To 12" Length, Deduct	-2.47	
03 21 11 00-0042			Epoxy Coated Deformed Straight Dowels (03 21 11 00-0031)	2.25	
03 21 11 00-0043	EA		3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	1.95	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	1.88	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.24	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	-0.16	
			For >12" To <24" Length, Deduct	-0.32	
			For Up To 12" Length, Deduct	-0.32	
03 21 11 00-0044	EA		1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.74	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.04	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	1.97	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.35	
			For >12" To <24" Length, Deduct	-0.25	
			For Up To 12" Length, Deduct	-0.49	
03 21 11 00-0045	EA		5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.42	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.15	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.07	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.47	
			For >12" To <24" Length, Deduct	-0.37	
			For Up To 12" Length, Deduct	-0.73	
03 21 11 00-0046	EA		3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.11	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.26	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.18	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.60	
			For >12" To <24" Length, Deduct	-0.49	
			For Up To 12" Length, Deduct	-0.97	
03 21 11 00-0047	EA		7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.14	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.46	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.37	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.83	
			For >12" To <24" Length, Deduct	-0.66	
			For Up To 12" Length, Deduct	-1.32	
03 21 11 00-0048	EA		1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.09	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.69	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.59	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	3.10	
			For >12" To <24" Length, Deduct	-0.82	
			For Up To 12" Length, Deduct	-1.63	
03 21 11 00-0049	EA		1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.27	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	3.11	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.99	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	3.58	
			For >12" To <24" Length, Deduct	-0.99	
			For Up To 12" Length, Deduct	-1.98	
03 21 11 00-0050	EA		1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.73	
			For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	3.66	
			For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	3.52	
			For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	4.21	
			For >12" To <24" Length, Deduct	-1.20	
			For Up To 12" Length, Deduct	-2.39	
03 21 11 00-0051			Dowel Or Hairpin, Drilled And Epoxy Into Concrete (03 21 11)		
03 21 11 00-0052	EA		Dowels Or Hairpin, 1/2" x 30" L, Drilled And Epoxy In Concrete, 6" Embedment	17.66	
03 21 11 00-0053	EA		Dowels Or Hairpin, 1/2" x 36" L, Drilled And Epoxy In Concrete, >6" To 12" Embedment	18.41	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcing Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0054 Accessories For Reinforcing Steel (03 21 11)

03 21 11 00-0055	EA	Up To #6 Reinforcing Steel Weld Splice.....	30.99
03 21 11 00-0056	EA	>#6 Reinforcing Steel Weld Splice.....	44.85
03 21 11 00-0057	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	23.03
03 21 11 00-0058	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	33.63
03 21 11 00-0059	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	48.52

03 22 Fabric And Grid Reinforcing (03 22)

03 22 11 Plain Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Welded Wire Reinforcement Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons.

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W1.4 x W1.4).....	0.61
		For >5 Ton, Deduct	-0.09
		For Galvanized, Add	0.06
		For Epoxy Coated, Add	0.13
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W2.0 x W2.0).....	0.76
		For >5 Ton, Deduct	-0.11
		For Galvanized, Add	0.10
		For Epoxy Coated, Add	0.21
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W2.9 x W2.9).....	0.88
		For >5 Ton, Deduct	-0.13
		For Galvanized, Add	0.14
		For Epoxy Coated, Add	0.27
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W4.0 x W4.0).....	1.06
		For >5 Ton, Deduct	-0.15
		For Galvanized, Add	0.19
		For Epoxy Coated, Add	0.38
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W1.4 x W1.4).....	0.84
		For >5 Ton, Deduct	-0.12
		For Galvanized, Add	0.14
		For Epoxy Coated, Add	0.27
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W2.0 x W2.0).....	0.95
		For >5 Ton, Deduct	-0.13
		For Galvanized, Add	0.16
		For Epoxy Coated, Add	0.33
03 22 11 00-0008	SF	4" x 4" x #6, 61 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W3.0 x W3.0).....	1.08
		For >5 Ton, Deduct	-0.15
		For Galvanized, Add	0.20
		For Epoxy Coated, Add	0.41
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W4.0 x W4.0).....	1.28
		For >5 Ton, Deduct	-0.17
		For Galvanized, Add	0.26
		For Epoxy Coated, Add	0.53
03 22 11 00-0010	SF	2" x 2" x #12, 21 LB/CSF, Welded Wire Reinforcement Placed In Floors Or Slabs (W0.9 x W0.9).....	1.47
		For >5 Ton, Deduct	-0.18
		For Galvanized, Add	0.39
		For Epoxy Coated, Add	0.78

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	CSF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns.....	304.15
		For >5 Ton, Deduct	-46.53

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001 Stainless Steel Welded Wire Fabric (03 22 23)

03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric In Slabs.....	0.80
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric In Slabs.....	1.08

03 30 Cast-In-Place Concrete (03)

See CSI section 01 74 19 00-0035 for hauling over 15 miles.

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)

Note: Includes delivery and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 00 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Assemblies (03 31 13)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0002	3,000 PSI Slab On Grade Concrete Slabs Assemblies <small>(03 31 13 00-0001)</small>		
	Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing. See CSI section 03 05 00 00-0001 for color additive alternative.		
03 31 13 00-0003	SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.83	
	For 2,000 PSI Concrete, Deduct	-0.16	
	For 2,500 PSI Concrete, Deduct	-0.08	
	For 3,500 PSI Concrete, Add	0.06	
	For 4,000 PSI Concrete, Add	0.18	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	2.33	
	For >500 To 1,000, Add	1.60	
	For >1,000 To 2,000, Add	0.87	
	For >2,000 To 5,000, Add	0.44	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000 To 35,000, Deduct	-0.29	
	For >35,000 To 50,000, Deduct	-0.44	
	For >50,000 To 70,000, Deduct	-0.58	
	For >70,000, Deduct	-0.73	
03 31 13 00-0004	SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.36	
	For 2,000 PSI Concrete, Deduct	-0.18	
	For 2,500 PSI Concrete, Deduct	-0.09	
	For 3,500 PSI Concrete, Add	0.06	
	For 4,000 PSI Concrete, Add	0.21	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	2.48	
	For >500 To 1,000, Add	1.71	
	For >1,000 To 2,000, Add	0.94	
	For >2,000 To 5,000, Add	0.47	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000 To 35,000, Deduct	-0.33	
	For >35,000 To 50,000, Deduct	-0.48	
	For >50,000 To 70,000, Deduct	-0.64	
	For >70,000, Deduct	-0.80	
03 31 13 00-0005	SF 6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.13	
	For 2,000 PSI Concrete, Deduct	-0.21	
	For 2,500 PSI Concrete, Deduct	-0.11	
	For 3,500 PSI Concrete, Add	0.07	
	For 4,000 PSI Concrete, Add	0.25	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	2.72	
	For >500 To 1,000, Add	1.88	
	For >1,000 To 2,000, Add	1.04	
	For >2,000 To 5,000, Add	0.52	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000 To 35,000, Deduct	-0.37	
	For >35,000 To 50,000, Deduct	-0.55	
	For >50,000 To 70,000, Deduct	-0.73	
	For >70,000, Deduct	-0.91	
03 31 13 00-0006	SF 7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.85	
	For 2,000 PSI Concrete, Deduct	-0.24	
	For 2,500 PSI Concrete, Deduct	-0.12	
	For 3,500 PSI Concrete, Add	0.09	
	For 4,000 PSI Concrete, Add	0.28	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	2.92	
	For >500 To 1,000, Add	2.02	
	For >1,000 To 2,000, Add	1.12	
	For >2,000 To 5,000, Add	0.56	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000 To 35,000, Deduct	-0.42	
	For >35,000 To 50,000, Deduct	-0.62	
	For >50,000 To 70,000, Deduct	-0.81	
	For >70,000, Deduct	-1.01	
03 31 13 00-0007	SF 8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.47	
	For 2,000 PSI Concrete, Deduct	-0.27	
	For 2,500 PSI Concrete, Deduct	-0.13	
	For 3,500 PSI Concrete, Add	0.09	
	For 4,000 PSI Concrete, Add	0.31	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	3.10	
	For >500 To 1,000, Add	2.15	
	For >1,000 To 2,000, Add	1.20	
	For >2,000 To 5,000, Add	0.60	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000 To 35,000, Deduct	-0.46	
	For >35,000 To 50,000, Deduct	-0.67	
	For >50,000 To 70,000, Deduct	-0.88	
	For >70,000, Deduct	-1.10	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008 SF 10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.04	
For 2,000 PSI Concrete, Deduct	-0.34	
For 2,500 PSI Concrete, Deduct	-0.17	
For 3,500 PSI Concrete, Add	0.12	
For 4,000 PSI Concrete, Add	0.39	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.52	
For >500 To 1,000, Add	2.45	
For >1,000 To 2,000, Add	1.38	
For >2,000 To 5,000, Add	0.69	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000 To 35,000, Deduct	-0.56	
For >35,000 To 50,000, Deduct	-0.82	
For >50,000 To 70,000, Deduct	-1.07	
For >70,000, Deduct	-1.32	
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.27	
For 2,000 PSI Concrete, Deduct	-0.39	
For 2,500 PSI Concrete, Deduct	-0.19	
For 3,500 PSI Concrete, Add	0.14	
For 4,000 PSI Concrete, Add	0.45	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.87	
For >500 To 1,000, Add	2.70	
For >1,000 To 2,000, Add	1.53	
For >2,000 To 5,000, Add	0.77	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000 To 35,000, Deduct	-0.64	
For >35,000 To 50,000, Deduct	-0.92	
For >50,000 To 70,000, Deduct	-1.21	
For >70,000, Deduct	-1.49	
03 31 13 00-0010 Concrete Delivery And Placement <small>(03 31 13)</small>		
Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.		
03 31 13 00-0011 Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.		
03 31 13 00-0012 Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	212.41	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	36.66	
For >20 To 50, Add	13.75	
For >100 To 200, Deduct	-4.25	
For >200 To 400, Deduct	-8.50	
For >400, Deduct	-12.74	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	162.94	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	16.88	
For >20 To 50, Add	6.33	
For >100 To 200, Deduct	-3.26	
For >200 To 400, Deduct	-6.52	
For >400, Deduct	-9.78	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	170.99	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.06	
			For 2,500 PSI Concrete, Deduct	-3.53	
			For 3,500 PSI Concrete, Add	6.54	
			For 3,750 PSI Concrete, Add	8.90	
			For 4,000 PSI Concrete, Add	11.25	
			For 4,500 PSI Concrete, Add	13.08	
			For 5,000 PSI Concrete, Add	14.91	
			For 6,000 PSI Concrete, Add	35.32	
			For White Cement Concrete, Add	15.70	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
			For High Early Strength, Type 3 ASTM C150, Add	13.08	
			For Lightweight Aggregate, ASTM C330, Add	39.24	
			For Up To 20, Add	16.07	
			For >20 To 50, Add	6.03	
			For >100 To 200, Deduct	-3.42	
			For >200 To 400, Deduct	-6.84	
			For >400, Deduct	-10.26	
03 31	13 00-0016		Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31	13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	202.22	
			For 2,000 PSI Concrete, Deduct	-6.52	
			For 2,500 PSI Concrete, Deduct	-3.26	
			For 3,500 PSI Concrete, Add	6.04	
			For 3,750 PSI Concrete, Add	8.21	
			For 4,000 PSI Concrete, Add	10.38	
			For 4,500 PSI Concrete, Add	12.08	
			For 5,000 PSI Concrete, Add	13.77	
			For 6,000 PSI Concrete, Add	32.60	
			For White Cement Concrete, Add	14.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
			For High Early Strength, Type 3 ASTM C150, Add	12.08	
			For Lightweight Aggregate, ASTM C330, Add	36.23	
			For Up To 20, Add	32.59	
			For >20 To 50, Add	12.22	
			For >100 To 200, Deduct	-4.04	
			For >200 To 400, Deduct	-8.09	
			For >400, Deduct	-12.13	
03 31	13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	158.25	
			For 2,000 PSI Concrete, Deduct	-6.52	
			For 2,500 PSI Concrete, Deduct	-3.26	
			For 3,500 PSI Concrete, Add	6.04	
			For 3,750 PSI Concrete, Add	8.21	
			For 4,000 PSI Concrete, Add	10.38	
			For 4,500 PSI Concrete, Add	12.08	
			For 5,000 PSI Concrete, Add	13.77	
			For 6,000 PSI Concrete, Add	32.60	
			For White Cement Concrete, Add	14.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
			For High Early Strength, Type 3 ASTM C150, Add	12.08	
			For Lightweight Aggregate, ASTM C330, Add	36.23	
			For Up To 20, Add	15.00	
			For >20 To 50, Add	5.63	
			For >100 To 200, Deduct	-3.17	
			For >200 To 400, Deduct	-6.33	
			For >400, Deduct	-9.50	
03 31	13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	166.53	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.06	
			For 2,500 PSI Concrete, Deduct	-3.53	
			For 3,500 PSI Concrete, Add	6.54	
			For 3,750 PSI Concrete, Add	8.90	
			For 4,000 PSI Concrete, Add	11.25	
			For 4,500 PSI Concrete, Add	13.08	
			For 5,000 PSI Concrete, Add	14.91	
			For 6,000 PSI Concrete, Add	35.32	
			For White Cement Concrete, Add	15.70	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
			For High Early Strength, Type 3 ASTM C150, Add	13.08	
			For Lightweight Aggregate, ASTM C330, Add	39.24	
			For Up To 20, Add	14.29	
			For >20 To 50, Add	5.36	
			For >100 To 200, Deduct	-3.33	
			For >200 To 400, Deduct	-6.66	
			For >400, Deduct	-9.99	
03 31	13 00-0020		Place Concrete Spread Footings (03 31 13 00-0011)		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0021 CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	258.23	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	54.99	
For >20 To 50, Add	20.62	
For >100 To 200, Deduct	-5.16	
For >200 To 400, Deduct	-10.33	
For >400, Deduct	-15.49	
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings	184.03	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	25.31	
For >20 To 50, Add	9.49	
For >100 To 200, Deduct	-3.68	
For >200 To 400, Deduct	-7.36	
For >400, Deduct	-11.04	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings	191.09	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	24.11	
For >20 To 50, Add	9.04	
For >100 To 200, Deduct	-3.82	
For >200 To 400, Deduct	-7.64	
For >400, Deduct	-11.47	
03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	145.19	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	9.78	
For >20 To 50, Add	3.67	
For >100 To 200, Deduct	-2.90	
For >200 To 400, Deduct	-5.81	
For >400, Deduct	-8.71	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0026	CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	132.00	
	For 2,000 PSI Concrete, Deduct	-6.52	
	For 2,500 PSI Concrete, Deduct	-3.26	
	For 3,500 PSI Concrete, Add	6.04	
	For 3,750 PSI Concrete, Add	8.21	
	For 4,000 PSI Concrete, Add	10.38	
	For 4,500 PSI Concrete, Add	12.08	
	For 5,000 PSI Concrete, Add	13.77	
	For 6,000 PSI Concrete, Add	32.60	
	For White Cement Concrete, Add	14.49	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
	For High Early Strength, Type 3 ASTM C150, Add	12.08	
	For Lightweight Aggregate, ASTM C330, Add	36.23	
	For Up To 20, Add	4.50	
	For >20 To 50, Add	1.69	
	For >100 To 200, Deduct	-2.64	
	For >200 To 400, Deduct	-5.28	
	For >400, Deduct	-7.92	
03 31 13 00-0027	CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	140.19	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-7.06	
	For 2,500 PSI Concrete, Deduct	-3.53	
	For 3,500 PSI Concrete, Add	6.54	
	For 3,750 PSI Concrete, Add	8.90	
	For 4,000 PSI Concrete, Add	11.25	
	For 4,500 PSI Concrete, Add	13.08	
	For 5,000 PSI Concrete, Add	14.91	
	For 6,000 PSI Concrete, Add	35.32	
	For White Cement Concrete, Add	15.70	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
	For High Early Strength, Type 3 ASTM C150, Add	13.08	
	For Lightweight Aggregate, ASTM C330, Add	39.24	
	For Up To 20, Add	3.75	
	For >20 To 50, Add	1.41	
	For >100 To 200, Deduct	-2.80	
	For >200 To 400, Deduct	-5.61	
	For >400, Deduct	-8.41	
03 31 13 00-0028	Place Concrete Grade Beams <small>(03 31 13 00-0011)</small>	185.92	
03 31 13 00-0029	CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	185.92	
	For 2,000 PSI Concrete, Deduct	-6.52	
	For 2,500 PSI Concrete, Deduct	-3.26	
	For 3,500 PSI Concrete, Add	6.04	
	For 3,750 PSI Concrete, Add	8.21	
	For 4,000 PSI Concrete, Add	10.38	
	For 4,500 PSI Concrete, Add	12.08	
	For 5,000 PSI Concrete, Add	13.77	
	For 6,000 PSI Concrete, Add	32.60	
	For White Cement Concrete, Add	14.49	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
	For High Early Strength, Type 3 ASTM C150, Add	12.08	
	For Lightweight Aggregate, ASTM C330, Add	36.23	
	For Up To 20, Add	26.07	
	For >20 To 50, Add	9.78	
	For >100 To 200, Deduct	-3.72	
	For >200 To 400, Deduct	-7.44	
	For >400, Deduct	-11.16	
03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	150.75	
	For 2,000 PSI Concrete, Deduct	-6.52	
	For 2,500 PSI Concrete, Deduct	-3.26	
	For 3,500 PSI Concrete, Add	6.04	
	For 3,750 PSI Concrete, Add	8.21	
	For 4,000 PSI Concrete, Add	10.38	
	For 4,500 PSI Concrete, Add	12.08	
	For 5,000 PSI Concrete, Add	13.77	
	For 6,000 PSI Concrete, Add	32.60	
	For White Cement Concrete, Add	14.49	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
	For High Early Strength, Type 3 ASTM C150, Add	12.08	
	For Lightweight Aggregate, ASTM C330, Add	36.23	
	For Up To 20, Add	12.00	
	For >20 To 50, Add	4.50	
	For >100 To 200, Deduct	-3.02	
	For >200 To 400, Deduct	-6.03	
	For >400, Deduct	-9.05	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0031 CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	159.38	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	11.43	
For >20 To 50, Add	4.29	
For >100 To 200, Deduct	-3.19	
For >200 To 400, Deduct	-6.38	
For >400, Deduct	-9.56	
03 31 13 00-0032 Place Concrete Slab On Grade <small>(03 31 13 00-0011)</small>		
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	187.46	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	26.68	
For >20 To 50, Add	10.01	
For >100 To 200, Deduct	-3.75	
For >200 To 400, Deduct	-7.50	
For >400, Deduct	-11.25	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	171.37	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	20.25	
For >20 To 50, Add	7.59	
For >100 To 200, Deduct	-3.43	
For >200 To 400, Deduct	-6.85	
For >400, Deduct	-10.28	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	151.46	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	12.28	
For >20 To 50, Add	4.61	
For >100 To 200, Deduct	-3.03	
For >200 To 400, Deduct	-6.06	
For >400, Deduct	-9.09	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0036	CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	144.05
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	9.32
	<i>For >20 To 50, Add</i>	3.50
	<i>For >100 To 200, Deduct</i>	-2.88
	<i>For >200 To 400, Deduct</i>	-5.76
	<i>For >400, Deduct</i>	-8.64
03 31 13 00-0037	CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	156.40
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
	<i>For 3,500 PSI Concrete, Add</i>	6.54
	<i>For 3,750 PSI Concrete, Add</i>	8.90
	<i>For 4,000 PSI Concrete, Add</i>	11.25
	<i>For 4,500 PSI Concrete, Add</i>	13.08
	<i>For 5,000 PSI Concrete, Add</i>	14.91
	<i>For 6,000 PSI Concrete, Add</i>	35.32
	<i>For White Cement Concrete, Add</i>	15.70
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
	<i>For Up To 20, Add</i>	10.24
	<i>For >20 To 50, Add</i>	3.84
	<i>For >100 To 200, Deduct</i>	-3.13
	<i>For >200 To 400, Deduct</i>	-6.26
	<i>For >400, Deduct</i>	-9.38
03 31 13 00-0038	CY >6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	150.22
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
	<i>For 3,500 PSI Concrete, Add</i>	6.54
	<i>For 3,750 PSI Concrete, Add</i>	8.90
	<i>For 4,000 PSI Concrete, Add</i>	11.25
	<i>For 4,500 PSI Concrete, Add</i>	13.08
	<i>For 5,000 PSI Concrete, Add</i>	14.91
	<i>For 6,000 PSI Concrete, Add</i>	35.32
	<i>For White Cement Concrete, Add</i>	15.70
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
	<i>For Up To 20, Add</i>	7.76
	<i>For >20 To 50, Add</i>	2.91
	<i>For >100 To 200, Deduct</i>	-3.00
	<i>For >200 To 400, Deduct</i>	-6.01
	<i>For >400, Deduct</i>	-9.01
03 31 13 00-0039	Place Concrete Duct Bank <small>(03 31 13 00-0011)</small>	146.16
03 31 13 00-0040	CY Direct Chute, Place 3,000 PSI Concrete Duct Bank	146.16
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	10.16
	<i>For >20 To 50, Add</i>	3.81
	<i>For >100 To 200, Deduct</i>	-2.92
	<i>For >200 To 400, Deduct</i>	-5.85
	<i>For >400, Deduct</i>	-8.77
03 31 13 00-0041	Place Concrete Stairs <small>(03 31 13 00-0011)</small>	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0042 CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	420.89	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	120.06	
For >20 To 50, Add	45.02	
For >100 To 200, Deduct	-8.42	
For >200 To 400, Deduct	-16.84	
For >400, Deduct	-25.25	
03 31 13 00-0043 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	258.92	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	55.27	
For >20 To 50, Add	20.73	
For >100 To 200, Deduct	-5.18	
For >200 To 400, Deduct	-10.36	
For >400, Deduct	-15.54	
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	245.97	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	46.06	
For >20 To 50, Add	17.27	
For >100 To 200, Deduct	-4.92	
For >200 To 400, Deduct	-9.84	
For >400, Deduct	-14.76	
03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill (03 31 13 00-001)		
03 31 13 00-0046 CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	188.25	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	27.00	
For >20 To 50, Add	10.13	
For >100 To 200, Deduct	-3.77	
For >200 To 400, Deduct	-7.53	
For >400, Deduct	-11.30	
03 31 13 00-0047 Place Concrete Slurry (03 31 13 00-001)		
Note: 2 bag cement per CY.		
03 31 13 00-0048 CY Direct Chute, Place 1,200 PSI Concrete Slurry	173.16	
03 31 13 00-0049 CY Concrete Pump, Place 1,200 PSI Concrete Slurry	161.89	
Note: Excludes pumping equipment.		
03 31 13 00-0050 Hand Mix And Place Concrete (03 31 13 00-001)		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0051	CF	Hand Mix And Place Concrete	26.13
		Note: For use where conventional equipment access is limited or when directed by the owner.	
		For 2,000 PSI Concrete, Deduct	-0.28
		For 2,500 PSI Concrete, Deduct	-0.14
		For 3,500 PSI Concrete, Add	0.26
		For 3,750 PSI Concrete, Add	0.35
		For 4,000 PSI Concrete, Add	0.44
		For 4,500 PSI Concrete, Add	0.52
		For 5,000 PSI Concrete, Add	0.59
		For 6,000 PSI Concrete, Add	1.39
		For White Cement Concrete, Add	0.62
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.67
		For High Early Strength, Type 3 ASTM C150, Add	0.52
		For Lightweight Aggregate, ASTM C330, Add	1.55
03 31 13 00-0052		Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)	
		See CSI section 03 31 13 00-0088 for concrete pump truck.	
03 31 13 00-0053		Place Elevated Concrete Beams (03 31 13 00-0052)	
03 31 13 00-0054	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	283.69
		For 2,000 PSI Concrete, Deduct	-6.52
		For 2,500 PSI Concrete, Deduct	-3.26
		For 3,500 PSI Concrete, Add	6.04
		For 3,750 PSI Concrete, Add	8.21
		For 4,000 PSI Concrete, Add	10.38
		For 4,500 PSI Concrete, Add	12.08
		For 5,000 PSI Concrete, Add	13.77
		For 6,000 PSI Concrete, Add	32.60
		For White Cement Concrete, Add	14.49
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
		For High Early Strength, Type 3 ASTM C150, Add	12.08
		For Lightweight Aggregate, ASTM C330, Add	36.23
		For Up To 20, Add	65.18
		For >20 To 50, Add	24.44
		For >100 To 200, Deduct	-5.67
		For >200 To 400, Deduct	-11.35
		For >400, Deduct	-17.02
03 31 13 00-0055	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams	202.24
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.06
		For 2,500 PSI Concrete, Deduct	-3.53
		For 3,500 PSI Concrete, Add	6.54
		For 3,750 PSI Concrete, Add	8.90
		For 4,000 PSI Concrete, Add	11.25
		For 4,500 PSI Concrete, Add	13.08
		For 5,000 PSI Concrete, Add	14.91
		For 6,000 PSI Concrete, Add	35.32
		For White Cement Concrete, Add	15.70
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
		For High Early Strength, Type 3 ASTM C150, Add	13.08
		For Lightweight Aggregate, ASTM C330, Add	39.24
		For Up To 20, Add	28.57
		For >20 To 50, Add	10.71
		For >100 To 200, Deduct	-4.04
		For >200 To 400, Deduct	-8.09
		For >400, Deduct	-12.13
03 31 13 00-0056		Place Elevated Concrete Slab (03 31 13 00-0052)	
03 31 13 00-0057	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	197.47
		For 2,000 PSI Concrete, Deduct	-6.52
		For 2,500 PSI Concrete, Deduct	-3.26
		For 3,500 PSI Concrete, Add	6.04
		For 3,750 PSI Concrete, Add	8.21
		For 4,000 PSI Concrete, Add	10.38
		For 4,500 PSI Concrete, Add	12.08
		For 5,000 PSI Concrete, Add	13.77
		For 6,000 PSI Concrete, Add	32.60
		For White Cement Concrete, Add	14.49
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
		For High Early Strength, Type 3 ASTM C150, Add	12.08
		For Lightweight Aggregate, ASTM C330, Add	36.23
		For Up To 20, Add	30.69
		For >20 To 50, Add	11.51
		For >100 To 200, Deduct	-3.95
		For >200 To 400, Deduct	-7.90
		For >400, Deduct	-11.85



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0058 CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	178.95	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	23.28	
For >20 To 50, Add	8.73	
For >100 To 200, Deduct	-3.58	
For >200 To 400, Deduct	-7.16	
For >400, Deduct	-10.74	
03 31 13 00-0059 CY Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	164.44	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	13.45	
For >20 To 50, Add	5.04	
For >100 To 200, Deduct	-3.29	
For >200 To 400, Deduct	-6.58	
For >400, Deduct	-9.87	
03 31 13 00-0060 CY >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	156.33	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	10.21	
For >20 To 50, Add	3.83	
For >100 To 200, Deduct	-3.13	
For >200 To 400, Deduct	-6.25	
For >400, Deduct	-9.38	
03 31 13 00-0061 Place Concrete Columns <small>(03 31 13 00-0052)</small>	296.72	
03 31 13 00-0062 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	296.72	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	70.39	
For >20 To 50, Add	26.40	
For >100 To 200, Deduct	-5.93	
For >200 To 400, Deduct	-11.87	
For >400, Deduct	-17.80	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0063	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	248.66	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	51.16	
			<i>For >20 To 50, Add</i>	19.19	
			<i>For >100 To 200, Deduct</i>	-4.97	
			<i>For >200 To 400, Deduct</i>	-9.95	
			<i>For >400, Deduct</i>	-14.92	
03 31	13 00-0064	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	214.28	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	37.41	
			<i>For >20 To 50, Add</i>	14.03	
			<i>For >100 To 200, Deduct</i>	-4.29	
			<i>For >200 To 400, Deduct</i>	-8.57	
			<i>For >400, Deduct</i>	-12.86	
03 31	13 00-0065	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	198.96	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	31.28	
			<i>For >20 To 50, Add</i>	11.73	
			<i>For >100 To 200, Deduct</i>	-3.98	
			<i>For >200 To 400, Deduct</i>	-7.96	
			<i>For >400, Deduct</i>	-11.94	
03 31	13 00-0066	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	207.96	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.06	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.53	
			<i>For 3,500 PSI Concrete, Add</i>	6.54	
			<i>For 3,750 PSI Concrete, Add</i>	8.90	
			<i>For 4,000 PSI Concrete, Add</i>	11.25	
			<i>For 4,500 PSI Concrete, Add</i>	13.08	
			<i>For 5,000 PSI Concrete, Add</i>	14.91	
			<i>For 6,000 PSI Concrete, Add</i>	35.32	
			<i>For White Cement Concrete, Add</i>	15.70	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24	
			<i>For Up To 20, Add</i>	30.86	
			<i>For >20 To 50, Add</i>	11.57	
			<i>For >100 To 200, Deduct</i>	-4.16	
			<i>For >200 To 400, Deduct</i>	-8.32	
			<i>For >400, Deduct</i>	-12.48	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0067 CY 18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	186.88	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	22.43	
For >20 To 50, Add	8.41	
For >100 To 200, Deduct	-3.74	
For >200 To 400, Deduct	-7.48	
For >400, Deduct	-11.21	
03 31 13 00-0068 CY 24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	171.81	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	16.40	
For >20 To 50, Add	6.15	
For >100 To 200, Deduct	-3.44	
For >200 To 400, Deduct	-6.87	
For >400, Deduct	-10.31	
03 31 13 00-0069 CY 36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	165.09	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	13.71	
For >20 To 50, Add	5.14	
For >100 To 200, Deduct	-3.30	
For >200 To 400, Deduct	-6.60	
For >400, Deduct	-9.91	
03 31 13 00-0070 Place Concrete Walls <small>(03 31 13 00-0052)</small>		
03 31 13 00-0071 CY 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	285.73	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	65.99	
For >20 To 50, Add	24.75	
For >100 To 200, Deduct	-5.71	
For >200 To 400, Deduct	-11.43	
For >400, Deduct	-17.14	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0072	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	272.05	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	60.52	
			<i>For >20 To 50, Add</i>	22.70	
			<i>For >100 To 200, Deduct</i>	-5.44	
			<i>For >200 To 400, Deduct</i>	-10.88	
			<i>For >400, Deduct</i>	-16.32	
03 31	13 00-0073	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	236.23	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	46.19	
			<i>For >20 To 50, Add</i>	17.32	
			<i>For >100 To 200, Deduct</i>	-4.72	
			<i>For >200 To 400, Deduct</i>	-9.45	
			<i>For >400, Deduct</i>	-14.17	
03 31	13 00-0074	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	196.69	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	30.38	
			<i>For >20 To 50, Add</i>	11.39	
			<i>For >100 To 200, Deduct</i>	-3.93	
			<i>For >200 To 400, Deduct</i>	-7.87	
			<i>For >400, Deduct</i>	-11.80	
03 31	13 00-0075	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	181.50	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	24.30	
			<i>For >20 To 50, Add</i>	9.11	
			<i>For >100 To 200, Deduct</i>	-3.63	
			<i>For >200 To 400, Deduct</i>	-7.26	
			<i>For >400, Deduct</i>	-10.89	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0076 CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	173.90	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	21.26	
For >20 To 50, Add	7.97	
For >100 To 200, Deduct	-3.48	
For >200 To 400, Deduct	-6.96	
For >400, Deduct	-10.43	
03 31 13 00-0077 CY 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	203.13	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	28.93	
For >20 To 50, Add	10.85	
For >100 To 200, Deduct	-4.06	
For >200 To 400, Deduct	-8.13	
For >400, Deduct	-12.19	
03 31 13 00-0078 CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	188.67	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	23.14	
For >20 To 50, Add	8.68	
For >100 To 200, Deduct	-3.77	
For >200 To 400, Deduct	-7.55	
For >400, Deduct	-11.32	
03 31 13 00-0079 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	181.43	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	20.25	
For >20 To 50, Add	7.59	
For >100 To 200, Deduct	-3.63	
For >200 To 400, Deduct	-7.26	
For >400, Deduct	-10.89	

03 31 13 00-0080 Place Elevated Concrete Stairs (03 31 13 00-0052)

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0081	CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs.....	454.28
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	133.41
	For >20 To 50, Add	50.03
	For >100 To 200, Deduct	-9.09
	For >200 To 400, Deduct	-18.17
	For >400, Deduct	-27.26
03 31 13 00-0082	CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	274.26
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	61.40
	For >20 To 50, Add	23.03
	For >100 To 200, Deduct	-5.49
	For >200 To 400, Deduct	-10.97
	For >400, Deduct	-16.46
03 31 13 00-0083	CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	258.74
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-7.06
	For 2,500 PSI Concrete, Deduct	-3.53
	For 3,500 PSI Concrete, Add	6.54
	For 3,750 PSI Concrete, Add	8.90
	For 4,000 PSI Concrete, Add	11.25
	For 4,500 PSI Concrete, Add	13.08
	For 5,000 PSI Concrete, Add	14.91
	For 6,000 PSI Concrete, Add	35.32
	For White Cement Concrete, Add	15.70
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
	For High Early Strength, Type 3 ASTM C150, Add	13.08
	For Lightweight Aggregate, ASTM C330, Add	39.24
	For Up To 20, Add	51.17
	For >20 To 50, Add	19.19
	For >100 To 200, Deduct	-5.17
	For >200 To 400, Deduct	-10.35
	For >400, Deduct	-15.52
03 31 13 00-0084	Place Concrete Coping (03 31 13 00-0082)	
03 31 13 00-0085	CY Crane And Bucket, Place 3,000 PSI Concrete Coping	465.80
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	138.02
	For >20 To 50, Add	51.76
	For >100 To 200, Deduct	-9.32
	For >200 To 400, Deduct	-18.63
	For >400, Deduct	-27.95



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0086 CY Direct Chute, Place 3,000 PSI Concrete Coping	273.24	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	61.00	
For >20 To 50, Add	22.87	
For >100 To 200, Deduct	-5.46	
For >200 To 400, Deduct	-10.93	
For >400, Deduct	-16.39	
03 31 13 00-0087 CY Concrete Pump, Place 3,000 PSI Concrete Coping	361.78	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	92.39	
For >20 To 50, Add	34.65	
For >100 To 200, Deduct	-7.24	
For >200 To 400, Deduct	-14.47	
For >400, Deduct	-21.71	
03 31 13 00-0088 Concrete Pumping With Boom Truck <small>(03 31 13 00-0010)</small>		
Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.		
03 31 13 00-0089 HR 75' Boom Truck For Concrete Placement (70 CY Per Hour Rating)	212.17	
03 31 13 00-0090 HR 92' Boom Truck For Concrete Placement (70 CY Per Hour Rating)	248.73	
03 31 13 00-0091 HR 105' Boom Truck For Concrete Placement (90 CY Per Hour Rating)	285.29	
03 31 13 00-0092 HR 120' Boom Truck For Concrete Placement (90 CY Per Hour Rating)	356.13	
03 31 13 00-0093 HR 138' Boom Truck For Concrete Placement (100 CY Per Hour Rating)	461.24	
03 31 13 00-0094 HR 150' Boom Truck For Concrete Placement (100 CY Per Hour Rating)	505.80	
03 31 13 00-0095 HR 170' Boom Truck For Concrete Placement (100 CY Per Hour Rating)	550.36	
03 31 13 00-0096 HR Trailer Mounted Concrete Pump	181.07	
Note: Includes hoses		
03 31 13 00-0097 Concrete Carts <small>(03 31 13 00-0010)</small>		
Note: Used to place concrete were necessary.		
03 31 13 00-0098 CY 50' Haul, Non Motorized, Concrete Buggy	18.62	
03 31 13 00-0099 CY 150' Haul, Non Motorized, Concrete Buggy	24.92	
03 31 13 00-0100 CY 250' Haul, Non Motorized, Concrete Buggy	33.25	
03 31 13 00-0101 CY 50' Haul, Motorized, Concrete Buggy	9.20	
03 31 13 00-0102 CY 150' Haul, Motorized, Concrete Buggy	12.33	
03 31 13 00-0103 CY 250' Haul, Motorized, Concrete Buggy	16.43	
03 31 13 00-0104 Delivery Fee For Small Purchases <small>(03 31 13)</small>		
03 31 13 00-0105 CY Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY	16.04	
Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
03 31 13 00-0106 Equipment Pads <small>(03 31 13)</small>		
03 31 13 00-0107 Small Concrete Equipment Housekeeping Pad Assemblies <small>(03 31 13 00-0106)</small>		
Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.		
03 31 13 00-0108 SF 4" Equipment Pad With Welded Wire Reinforcement	13.24	
03 31 13 00-0109 SF 4" Equipment Pad With Rebar	16.29	
03 31 13 00-0110 SF 6" Equipment Pad With Rebar	20.57	
03 31 13 00-0111 SF 8" Equipment Pad With Rebar	25.91	
03 31 13 00-0112 Delivery Fee For Concrete, Per Truck Load <small>(03 31 13)</small>		

03	03 Concrete
	03 30 Cast-In-Place Concrete
	03 31 Structural Concrete



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31	13 00-0113	EA	Concrete Delivery Fee, Per Truck.....	40.00
Note: To be added to all concrete leaving concrete yard				

03 35 Concrete Finishing (03 30)

03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)

03 35 16 00-0001 Floor Finishes (03 35 16)

Note: Task is for final finish type and includes all required prior finishes.

03 35	16 00-0002	SF	Concrete Floor Finishes, Screed.....	0.71
			<i>For Up To 50 SF, Add</i>	<i>2.84</i>
			<i>For >50 To 250, Add</i>	<i>0.71</i>
			<i>For >2,500 To 7,500, Deduct</i>	<i>-0.07</i>
			<i>For >7,500 To 10,000 SF, Deduct</i>	<i>-0.14</i>
			<i>For >10,000 SF, Deduct</i>	<i>-0.18</i>
03 35	16 00-0003	SF	Concrete Floor Finishes, Darby	0.85
			<i>For Up To 50 SF, Add</i>	<i>3.40</i>
			<i>For >50 To 250, Add</i>	<i>0.85</i>
			<i>For >2,500 To 7,500, Deduct</i>	<i>-0.09</i>
			<i>For >7,500 To 10,000 SF, Deduct</i>	<i>-0.17</i>
			<i>For >10,000 SF, Deduct</i>	<i>-0.21</i>
03 35	16 00-0004	SF	Concrete Floor Finishes, Broom	0.94
			<i>For Up To 50 SF, Add</i>	<i>3.76</i>
			<i>For >50 To 250, Add</i>	<i>0.94</i>
			<i>For >2,500 To 7,500, Deduct</i>	<i>-0.09</i>
			<i>For >7,500 To 10,000 SF, Deduct</i>	<i>-0.19</i>
			<i>For >10,000 SF, Deduct</i>	<i>-0.24</i>
03 35	16 00-0005	SF	Concrete Floor Finishes, Final Float	1.09
			<i>For Up To 50 SF, Add</i>	<i>4.36</i>
			<i>For >50 To 250, Add</i>	<i>1.09</i>
			<i>For >2,500 To 7,500, Deduct</i>	<i>-0.11</i>
			<i>For >7,500 To 10,000 SF, Deduct</i>	<i>-0.22</i>
			<i>For >10,000 SF, Deduct</i>	<i>-0.27</i>
03 35	16 00-0006	SF	Concrete Floor Finishes, Steel Trowel	1.24
			<i>For Up To 50 SF, Add</i>	<i>4.96</i>
			<i>For >50 To 250, Add</i>	<i>1.24</i>
			<i>For >2,500 To 7,500, Deduct</i>	<i>-0.12</i>
			<i>For >7,500 To 10,000 SF, Deduct</i>	<i>-0.25</i>
			<i>For >10,000 SF, Deduct</i>	<i>-0.31</i>
03 35	16 00-0007	SF	Concrete Floor Finishes, Machine	1.09
			<i>For Up To 50 SF, Add</i>	<i>4.36</i>
			<i>For >50 To 250, Add</i>	<i>1.09</i>
			<i>For >2,500 To 7,500, Deduct</i>	<i>-0.11</i>
			<i>For >7,500 To 10,000 SF, Deduct</i>	<i>-0.22</i>
			<i>For >10,000 SF, Deduct</i>	<i>-0.27</i>

03 35 23 Exposed Aggregate Concrete Finishing (03 35)

03 35 23 00-0001 Exposed Aggregate Concrete Finish (03 35 23)

03 35	23 00-0002	SF	Exposed Aggregate Concrete Floor Finish	2.44
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03 35 23 00-0003 Sand Blast Concrete Finish (03 35 23)

03 35	23 00-0004	SF	Up To 1/4" Aggregate Reveal, Sand Blast Concrete Finish	2.48
03 35	23 00-0005	SF	>1/4" To 1/2" Aggregate Reveal, Sand Blast Concrete Finish	4.96

03 35 26 Grooved Concrete Surface Finishing (03 35)

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)

03 35	26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	3.17
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03 35 29 Tooled Concrete Finishing (03 35)

03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)

03 35	29 00-0002	SF	Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork	11.18
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03 35 29 00-0003 Marblecrete Finishes (03 35 29)

03 35	29 00-0004	SF	2" Thick Marblecrete And Finish	29.13
03 35	29 00-0005	SF	4" Thick Marblecrete And Finish	39.05

03 35 33 Stamped Concrete Finishing (03 35)

03 35 33 00-0001 Stamped Finishes (03 35 33)

03 35	33 00-0002	SF	Up To 2,500 SF Stamped Finish	2.80
03 35	33 00-0003	SF	>2,500 To 10,000 SF Stamped Finish	2.54
03 35	33 00-0004	SF	>10,000 SF Stamped Finish	2.42



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 35 39 Rusticated Concrete Finish (03 35)

03 35 39 00-0001	SF	Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork.....	5.14
03 35 39 00-0002	SF	Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork.....	6.72

03 35 43 Polished Concrete Finishing (03 35)

03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	1.00
		For Up To 500, Add	1.94
		For >500 To 1,000, Add	1.80
		For >1,000 To 2,500, Add	1.19
		For >2,500 To 4,000, Add	0.62
		For >8,000 To 15,000, Deduct	-0.24
		For >15,000 To 25,000, Deduct	-0.31
		For >25,000, Deduct	-0.43
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	1.00
		For Up To 500, Add	1.94
		For >500 To 1,000, Add	1.80
		For >1,000 To 2,500, Add	1.19
		For >2,500 To 4,000, Add	0.62
		For >8,000 To 15,000, Deduct	-0.24
		For >15,000 To 25,000, Deduct	-0.31
		For >25,000, Deduct	-0.43
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels.....	0.60
		For Up To 500, Add	1.16
		For >500 To 1,000, Add	1.08
		For >1,000 To 2,500, Add	0.71
		For >2,500 To 4,000, Add	0.37
		For >8,000 To 15,000, Deduct	-0.14
		For >15,000 To 25,000, Deduct	-0.18
		For >25,000, Deduct	-0.26
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	0.86
		For Up To 500, Add	1.67
		For >500 To 1,000, Add	1.55
		For >1,000 To 2,500, Add	1.02
		For >2,500 To 4,000, Add	0.53
		For >8,000 To 15,000, Deduct	-0.21
		For >15,000 To 25,000, Deduct	-0.26
		For >25,000, Deduct	-0.37
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels.....	0.60
		For Up To 500, Add	1.16
		For >500 To 1,000, Add	1.08
		For >1,000 To 2,500, Add	0.71
		For >2,500 To 4,000, Add	0.37
		For >8,000 To 15,000, Deduct	-0.14
		For >15,000 To 25,000, Deduct	-0.18
		For >25,000, Deduct	-0.26
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels.....	0.60
		For Up To 500, Add	1.16
		For >500 To 1,000, Add	1.08
		For >1,000 To 2,500, Add	0.71
		For >2,500 To 4,000, Add	0.37
		For >8,000 To 15,000, Deduct	-0.14
		For >15,000 To 25,000, Deduct	-0.18
		For >25,000, Deduct	-0.26
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels.....	0.60
		For Up To 500, Add	1.16
		For >500 To 1,000, Add	1.08
		For >1,000 To 2,500, Add	0.71
		For >2,500 To 4,000, Add	0.37
		For >8,000 To 15,000, Deduct	-0.14
		For >15,000 To 25,000, Deduct	-0.18
		For >25,000, Deduct	-0.26
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels.....	0.60
		For Up To 500, Add	1.16
		For >500 To 1,000, Add	1.08
		For >1,000 To 2,500, Add	0.71
		For >2,500 To 4,000, Add	0.37
		For >8,000 To 15,000, Deduct	-0.14
		For >15,000 To 25,000, Deduct	-0.18
		For >25,000, Deduct	-0.26
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads.....	0.16
		For Up To 500, Add	0.31
		For >500 To 1,000, Add	0.29
		For >1,000 To 2,500, Add	0.19
		For >2,500 To 4,000, Add	0.10
		For >8,000 To 15,000, Deduct	-0.04
		For >15,000 To 25,000, Deduct	-0.05
		For >25,000, Deduct	-0.07

03	Concrete
03 30	Cast-In-Place Concrete
03 35	Concrete Finishing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0011	SF		Apply One Coat Of Concrete Densifier	0.20	
			For Up To 500, Add	0.39	
			For >500 To 1,000, Add	0.36	
			For >1,000 To 2,500, Add	0.24	
			For >2,500 To 4,000, Add	0.12	
			For >8,000 To 15,000, Deduct	-0.05	
			For >15,000 To 25,000, Deduct	-0.06	
			For >25,000, Deduct	-0.09	
03 35 43 00-0012	SF		Apply Two Coats Of Concrete Densifier With Stain Protectant	0.20	
			For Up To 500, Add	0.39	
			For >500 To 1,000, Add	0.36	
			For >1,000 To 2,500, Add	0.24	
			For >2,500 To 4,000, Add	0.12	
			For >8,000 To 15,000, Deduct	-0.05	
			For >15,000 To 25,000, Deduct	-0.06	
			For >25,000, Deduct	-0.09	
03 35 43 00-0013	SF		Concrete Floor Polishing Final Clean Up	0.10	
			For Up To 500, Add	0.19	
			For >500 To 1,000, Add	0.18	
			For >1,000 To 2,500, Add	0.12	
			For >2,500 To 4,000, Add	0.06	
			For >8,000 To 15,000, Deduct	-0.02	
			For >15,000 To 25,000, Deduct	-0.03	
			For >25,000, Deduct	-0.04	
03 35 63 Slip-Resistant Floor Finishing (03 35)					
03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)					
03 35 63 00-0002	SF		Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.85	
			For Up To 50 SF, Add	2.72	
			For >50 To 250, Add	0.68	
			For >2,500 To 7,500, Deduct	-0.07	
			For >7,500 To 10,000 SF, Deduct	-0.14	
			For >10,000 SF, Deduct	-0.17	
03 35 63 00-0003	SF		Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	0.93	
			For Up To 50 SF, Add	2.72	
			For >50 To 250, Add	0.68	
			For >2,500 To 7,500, Deduct	-0.07	
			For >7,500 To 10,000 SF, Deduct	-0.14	
			For >10,000 SF, Deduct	-0.17	
03 35 66 Acid Etch Floor Finishing (03 35)					
03 35 66 00-0001 Acid Etch Floor (03 35 66)					
03 35 66 00-0002	SF		Concrete Floor Finishes, Etch With Acid And Rinse	0.71	
			For Up To 50 SF, Add	1.32	
			For >50 To 250, Add	0.33	
			For >2,500 To 7,500, Deduct	-0.03	
			For >7,500 To 10,000 SF, Deduct	-0.07	
			For >10,000 SF, Deduct	-0.08	
03 35 83 Wall Finishes (03 35)					
03 35 83 00-0001	SF		Wall Finishes, Burlap Rub With Grout	1.25	
			For Up To 50 SF, Add	4.72	
			For >50 To 250, Add	1.18	
			For >2,500 To 7,500, Deduct	-0.12	
			For >7,500 To 10,000 SF, Deduct	-0.24	
			For >10,000 SF, Deduct	-0.30	
03 35 83 00-0002	SF		Wall Finishes, 1/16" Float Finish	1.89	
			For Up To 50 SF, Add	7.16	
			For >50 To 250, Add	1.79	
			For >2,500 To 7,500, Deduct	-0.18	
			For >7,500 To 10,000 SF, Deduct	-0.36	
			For >10,000 SF, Deduct	-0.45	
03 35 83 00-0003	SF		Wall Finishes, Etch With Acid And Rinse	0.77	
			For Up To 50 SF, Add	1.56	
			For >50 To 250, Add	0.39	
			For >2,500 To 7,500, Deduct	-0.04	
			For >7,500 To 10,000 SF, Deduct	-0.08	
			For >10,000 SF, Deduct	-0.10	
03 35 83 00-0004	SF		Wall Finishes, Bush Hammer Green Concrete	3.80	
			For Up To 50 SF, Add	15.08	
			For >50 To 250, Add	3.77	
			For >2,500 To 7,500, Deduct	-0.38	
			For >7,500 To 10,000 SF, Deduct	-0.75	
			For >10,000 SF, Deduct	-0.94	
03 35 83 00-0005	SF		Wall Finishes, Bush Hammer Cured Concrete	5.90	
			For Up To 50 SF, Add	23.32	
			For >50 To 250, Add	5.83	
			For >2,500 To 7,500, Deduct	-0.58	
			For >7,500 To 10,000 SF, Deduct	-1.17	
			For >10,000 SF, Deduct	-1.46	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0006 SF Wall Finishes, Break Ties And Patch.....	0.73	
For Up To 50 SF, Add	2.56	
For >50 To 250, Add	0.64	
For >2,500 To 7,500, Deduct	-0.06	
For >7,500 To 10,000 SF, Deduct	-0.13	
For >10,000 SF, Deduct	-0.16	
03 35 83 00-0007 SF Wall Finishes, Carborundum Dry Rub	2.47	
For Up To 50 SF, Add	9.52	
For >50 To 250, Add	2.38	
For >2,500 To 7,500, Deduct	-0.24	
For >7,500 To 10,000 SF, Deduct	-0.48	
For >10,000 SF, Deduct	-0.60	
03 35 83 00-0008 SF Wall Finishes, Carborundum Wet Rub.....	3.75	
For Up To 50 SF, Add	14.64	
For >50 To 250, Add	3.66	
For >2,500 To 7,500, Deduct	-0.37	
For >7,500 To 10,000 SF, Deduct	-0.73	
For >10,000 SF, Deduct	-0.92	
03 35 83 00-0009 SF Wall Finishes, Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	8.20	
For Up To 50 SF, Add	30.48	
For >50 To 250, Add	7.62	
For >2,500 To 7,500, Deduct	-0.76	
For >7,500 To 10,000 SF, Deduct	-1.52	
For >10,000 SF, Deduct	-1.91	
03 35 83 00-0010 SF Wall Finishes, Light Sand Blast	1.83	
Note: Not for use as sand blasting for existing material		
For Up To 50 SF, Add	6.96	
For >50 To 250, Add	1.74	
For >2,500 To 7,500, Deduct	-0.17	
For >7,500 To 10,000 SF, Deduct	-0.35	
For >10,000 SF, Deduct	-0.44	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced	3.76	
For Up To 25 SF, Add	0.59	
For >25 To 50 SF, Add	0.33	
For >50 To 150, Add	0.11	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced	6.94	
For Up To 25 SF, Add	1.04	
For >25 To 50 SF, Add	0.58	
For >50 To 150, Add	0.17	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced	10.36	
For Up To 25 SF, Add	1.56	
For >25 To 50 SF, Add	0.87	
For >50 To 150, Add	0.26	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced	13.72	
For Up To 25 SF, Add	2.06	
For >25 To 50 SF, Add	1.15	
For >50 To 150, Add	0.34	
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	19.66	
For Up To 25 SF, Add	2.99	
For >25 To 50 SF, Add	1.67	
For >50 To 150, Add	0.51	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008 SF 1" Thick Gunite	3.57	
For Radius Or Irregular Surface, Add	0.80	
For Up To 25 SF, Add	0.66	
For >25 To 50, Add	0.38	
For >50 To 150 SF, Add	0.15	
03 37 13 00-0009 SF 2" Thick Gunite	7.12	
For Radius Or Irregular Surface, Add	1.59	
For Up To 25 SF, Add	1.31	
For >25 To 50, Add	0.75	
For >50 To 150 SF, Add	0.30	
03 37 13 00-0010 SF 3" Thick Gunite	10.72	
For Radius Or Irregular Surface, Add	2.40	
For Up To 25 SF, Add	1.97	
For >25 To 50, Add	1.14	
For >50 To 150 SF, Add	0.45	
03 37 13 00-0011 SF 4" Thick Gunite	14.24	
For Radius Or Irregular Surface, Add	3.17	
For Up To 25 SF, Add	2.61	
For >25 To 50, Add	1.51	
For >50 To 150 SF, Add	0.59	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 39 Concrete Curing (03 39)

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-001 Water Concrete Curing (03 39 13)

03 39 13 00-002	GAL	Water Based Curing, Sealing, Hardening And Dustproofing Compound	18.10	
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.				

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-001 Concrete Curing Materials And Compounds (03 39 23 23)

03 39 23 23-002	CSF	7.5 Oz Burlap, Concrete Curing Blanket	29.25	
03 39 23 23-003	CSF	9 Oz Burlap, Concrete Curing Blanket	28.86	
03 39 23 23-004	CSF	12 Oz Burlap, Concrete Curing Blanket	31.35	
03 39 23 23-005	CSF	Concrete Curing, Waterproof Paper, 2 Ply Reinforced	28.37	
03 39 23 23-006	CSF	Curing Paper	9.35	

03 39 33 Concrete Surface Treatments (03 39)

03 39 33 00-001 Concrete Surface Treatments (03 39 33)

03 39 33 00-002	LB	Aluminum Oxide Anti Slip Abrasive Grit	1.46	
03 39 33 00-003	GAL	Acrylic Latex Bonding Agent, 250 SF Per Gallon	95.41	
03 39 33 00-004	GAL	Epoxy Resin Bonding Agent, 80 SF Per Gallon	162.32	
03 39 33 00-005	TON	Calcium Chloride, 100 LB Bags	644.08	
03 39 33 00-006	BAG	Calcium Chloride, 100 LB Bags	35.88	
03 39 33 00-007	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.22	
Note: 300 SF/GAL.				
03 39 33 00-008	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.22	
Note: 300 SF/GAL.				
03 39 33 00-009	GAL	Clear Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	65.49	
03 39 33 00-010	GAL	Colored Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	68.05	
03 39 33 00-011	SF	Water-Based, Silane/Siloxane Water Repellent (Prosoco Inc. Saltguard WB)	0.29	
Note: 200 SF/GAL				

03 39 33 00-012 Shake On Floor Hardeners (03 39 33)

03 39 33 00-013	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener	0.88	
03 39 33 00-014	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener	1.36	
03 39 33 00-015	SF	0.3 LB/SF, Non Metallic, Shake On Floor Hardener	0.84	
03 39 33 00-016	SF	0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.01	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	259.65	207.74
03 41 16 00-004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	288.64	230.87
03 41 16 00-005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	306.49	245.18
03 41 16 00-006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	324.92	259.95
03 41 16 00-007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	347.72	278.16
03 41 16 00-008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	371.62	297.29
03 41 16 00-009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	399.06	319.22
03 41 16 00-010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	434.02	347.19
03 41 16 00-011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	471.91	377.57

03 41 16 00-012 Material Cost (03 41 16 00-001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	10.09	
For 3,500 PSI Concrete, Add			0.20	
For 4,000 PSI Concrete, Add			0.30	
For 4,500 PSI Concrete, Add			0.40	
For 5,000 PSI Concrete, Add			0.61	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0014 SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	12.11	
<i>For 3,500 PSI Concrete, Add</i>	0.24	
<i>For 4,000 PSI Concrete, Add</i>	0.36	
<i>For 4,500 PSI Concrete, Add</i>	0.48	
<i>For 5,000 PSI Concrete, Add</i>	0.73	
03 41 16 00-0015 SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	14.80	
<i>For 3,500 PSI Concrete, Add</i>	0.30	
<i>For 4,000 PSI Concrete, Add</i>	0.44	
<i>For 4,500 PSI Concrete, Add</i>	0.59	
<i>For 5,000 PSI Concrete, Add</i>	0.89	
03 41 16 00-0016 SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	19.64	
<i>For 3,500 PSI Concrete, Add</i>	0.39	
<i>For 4,000 PSI Concrete, Add</i>	0.59	
<i>For 4,500 PSI Concrete, Add</i>	0.79	
<i>For 5,000 PSI Concrete, Add</i>	1.18	
03 41 16 00-0017 Floor Units, Combination Beam And Slab <small>(03 41 16)</small>		
03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane <small>(03 41 16 00-0017)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	320.94	256.75
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	349.82	279.88
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	386.64	309.27
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	429.32	343.43
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	482.60	386.04
03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 16 00-0017)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	406.05	324.85
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	442.57	354.03
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	489.15	391.36
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	543.15	434.53
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	610.55	488.48
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	663.85	531.04
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	733.72	586.97
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	812.08	649.71
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	919.17	735.34
03 41 16 00-0034 Material Cost <small>(03 41 16 00-0017)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.</small>		
03 41 16 00-0035 4" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,062.58	
<i>For 3,500 PSI Concrete, Add</i>	21.25	
<i>For 4,000 PSI Concrete, Add</i>	31.88	
<i>For 4,500 PSI Concrete, Add</i>	42.50	
<i>For 5,000 PSI Concrete, Add</i>	63.75	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,076.04	
<i>For 3,500 PSI Concrete, Add</i>	21.52	
<i>For 4,000 PSI Concrete, Add</i>	32.28	
<i>For 4,500 PSI Concrete, Add</i>	43.04	
<i>For 5,000 PSI Concrete, Add</i>	64.56	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,210.54	
<i>For 3,500 PSI Concrete, Add</i>	24.21	
<i>For 4,000 PSI Concrete, Add</i>	36.32	
<i>For 4,500 PSI Concrete, Add</i>	48.42	
<i>For 5,000 PSI Concrete, Add</i>	72.63	
03 41 16 00-0039 5" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,089.49	
<i>For 3,500 PSI Concrete, Add</i>	21.79	
<i>For 4,000 PSI Concrete, Add</i>	32.68	
<i>For 4,500 PSI Concrete, Add</i>	43.58	
<i>For 5,000 PSI Concrete, Add</i>	65.37	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,129.84	
<i>For 3,500 PSI Concrete, Add</i>	22.60	
<i>For 4,000 PSI Concrete, Add</i>	33.90	
<i>For 4,500 PSI Concrete, Add</i>	45.19	
<i>For 5,000 PSI Concrete, Add</i>	67.79	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,439.20	
<i>For 3,500 PSI Concrete, Add</i>	28.78	
<i>For 4,000 PSI Concrete, Add</i>	43.18	
<i>For 4,500 PSI Concrete, Add</i>	57.57	
<i>For 5,000 PSI Concrete, Add</i>	86.35	
03 41 16 00-0043 6" Slab <small>(03 41 16 00-0034)</small>		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,129.84	
For 3,500 PSI Concrete, Add	22.60	
For 4,000 PSI Concrete, Add	33.90	
For 4,500 PSI Concrete, Add	45.19	
For 5,000 PSI Concrete, Add	67.79	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,345.04	
For 3,500 PSI Concrete, Add	26.90	
For 4,000 PSI Concrete, Add	40.35	
For 4,500 PSI Concrete, Add	53.80	
For 5,000 PSI Concrete, Add	80.70	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,640.95	
For 3,500 PSI Concrete, Add	32.82	
For 4,000 PSI Concrete, Add	49.23	
For 4,500 PSI Concrete, Add	65.64	
For 5,000 PSI Concrete, Add	98.46	
03 41 19 Precast Concrete Wall Panels (03 41)		
03 41 19 00-0001 Structural Wall Panels (03 41 19)		
Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003 EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	257.12	205.72
03 41 19 00-0004 EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	285.83	228.62
03 41 19 00-0005 EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	321.76	257.42
03 41 19 00-0006 EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	344.33	275.46
03 41 19 00-0007 EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	368.01	294.40
03 41 19 00-0008 EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	395.18	316.12
03 41 19 00-0009 EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	429.79	343.81
03 41 19 00-0010 EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	467.31	373.89
03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012 EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	288.71	230.94
03 41 19 00-0013 EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	320.94	256.75
03 41 19 00-0014 EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	361.28	289.07
03 41 19 00-0015 EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	386.64	309.27
03 41 19 00-0016 EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	413.22	330.58
03 41 19 00-0017 EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	443.73	355.00
03 41 19 00-0018 EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	482.60	386.04
03 41 19 00-0019 EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	524.73	419.74
03 41 19 00-0020 EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	579.95	464.00
03 41 19 00-0021 EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	641.90	513.49
03 41 19 00-0022 EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	726.54	581.26
03 41 19 00-0023 EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	826.44	661.15
03 41 19 00-0024 EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	958.19	766.57
03 41 19 00-0025 Material Cost (03 41 19 00-0001)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026 SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	13.45	
For 3,500 PSI Concrete, Add	0.27	
For 4,000 PSI Concrete, Add	0.40	
For 4,500 PSI Concrete, Add	0.54	
For 5,000 PSI Concrete, Add	0.81	
For White Facing, Add	2.69	
For Solid White Through Thickness, Add	2.69	
For Broken Rib Finish, Add	1.35	
For Fluted Surface, Add	1.35	
For Exposed Aggregate, Add	2.69	
For Sandblasting Of Surface, Add	1.35	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.15	
03 41 19 00-0027 SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	16.54	
For 3,500 PSI Concrete, Add	0.33	
For 4,000 PSI Concrete, Add	0.50	
For 4,500 PSI Concrete, Add	0.66	
For 5,000 PSI Concrete, Add	0.99	
For White Facing, Add	3.31	
For Solid White Through Thickness, Add	3.31	
For Broken Rib Finish, Add	1.65	
For Fluted Surface, Add	1.65	
For Exposed Aggregate, Add	3.31	
For Sandblasting Of Surface, Add	1.65	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.19	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	19.91	
For 3,500 PSI Concrete, Add	0.40	
For 4,000 PSI Concrete, Add	0.60	
For 4,500 PSI Concrete, Add	0.80	
For 5,000 PSI Concrete, Add	1.19	
For White Facing, Add	3.98	
For Solid White Through Thickness, Add	3.98	
For Broken Rib Finish, Add	1.99	
For Fluted Surface, Add	1.99	
For Exposed Aggregate, Add	3.98	
For Sandblasting Of Surface, Add	1.99	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.23	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	26.23	
For 3,500 PSI Concrete, Add	0.52	
For 4,000 PSI Concrete, Add	0.79	
For 4,500 PSI Concrete, Add	1.05	
For 5,000 PSI Concrete, Add	1.57	
For White Facing, Add	5.25	
For Solid White Through Thickness, Add	5.25	
For Broken Rib Finish, Add	2.62	
For Fluted Surface, Add	2.62	
For Exposed Aggregate, Add	5.25	
For Sandblasting Of Surface, Add	2.62	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.30	
03 41 19 00-0030 Partition Panels <small>(03 41 19)</small>		
03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	210.01	167.98
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	233.46	186.79
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	262.80	210.24
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	300.58	240.47
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	322.77	258.24
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	351.04	280.83
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	381.69	305.39
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	421.87	337.50
03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	257.12	205.72
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	285.83	228.62
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	321.76	257.42
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	368.01	294.40
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	395.18	316.12
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	429.79	343.81
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	467.31	373.89
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	516.50	413.17
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	571.66	457.34
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	647.04	517.60
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	736.01	588.81
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	853.35	682.65
03 41 19 00-0053 Material Cost <small>(03 41 19 00-0030)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	12.78	
For 4,000 PSI Concrete, Add	0.38	
For 4,500 PSI Concrete, Add	0.51	
For 5,000 PSI Concrete, Add	0.77	
For White Facing, Add	2.56	
For Solid White Through Thickness, Add	2.56	
For Broken Rib Finish, Add	1.28	
For Fluted Surface, Add	1.28	
For Exposed Aggregate, Add	2.56	
For Sandblasting Of Surface, Add	1.28	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	15.74	
For 4,000 PSI Concrete, Add	0.47	
For 4,500 PSI Concrete, Add	0.63	
For 5,000 PSI Concrete, Add	0.94	
For White Facing, Add	3.15	
For Solid White Through Thickness, Add	3.15	
For Broken Rib Finish, Add	1.57	
For Fluted Surface, Add	1.57	
For Exposed Aggregate, Add	3.15	
For Sandblasting Of Surface, Add	1.57	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	18.83	
For 4,000 PSI Concrete, Add	0.56	
For 4,500 PSI Concrete, Add	0.75	
For 5,000 PSI Concrete, Add	1.13	
For White Facing, Add	3.77	
For Solid White Through Thickness, Add	3.77	
For Broken Rib Finish, Add	1.88	
For Fluted Surface, Add	1.88	
For Exposed Aggregate, Add	3.77	
For Sandblasting Of Surface, Add	1.88	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	24.88	
For 4,000 PSI Concrete, Add	0.75	
For 4,500 PSI Concrete, Add	1.00	
For 5,000 PSI Concrete, Add	1.49	
For White Facing, Add	4.98	
For Solid White Through Thickness, Add	4.98	
For Broken Rib Finish, Add	2.49	
For Fluted Surface, Add	2.49	
For Exposed Aggregate, Add	4.98	
For Sandblasting Of Surface, Add	2.49	
03 41 19 00-0058 Cladding Panels (03 41 19)		
03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	271.34	217.04
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	303.51	242.79
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	344.33	275.46
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	368.01	294.40
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	395.18	316.12
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	429.79	343.81
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	467.31	373.89
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	516.50	413.17
03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	304.67	243.70
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	340.79	272.64
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	386.64	309.27
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	413.22	330.58
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	443.73	355.00
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	482.60	386.04
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	524.73	419.74
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	579.95	464.00
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	641.90	513.49
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	726.54	581.26
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	826.44	661.15
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	958.19	766.57
03 41 19 00-0081 Material Cost (03 41 19 00-0058)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	12.78	
For 3,500 PSI Concrete, Add	0.26	
For 4,000 PSI Concrete, Add	0.38	
For 4,500 PSI Concrete, Add	0.51	
For 5,000 PSI Concrete, Add	0.77	
For White Facing, Add	2.56	
For Solid White Through Thickness, Add	2.56	
For Broken Rib Finish, Add	1.28	
For Fluted Surface, Add	1.28	
For Exposed Aggregate, Add	2.56	
For Sandblasting Of Surface, Add	1.28	
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	15.74	
For 3,500 PSI Concrete, Add	0.31	
For 4,000 PSI Concrete, Add	0.47	
For 4,500 PSI Concrete, Add	0.63	
For 5,000 PSI Concrete, Add	0.94	
For White Facing, Add	3.15	
For Solid White Through Thickness, Add	3.15	
For Broken Rib Finish, Add	1.57	
For Fluted Surface, Add	1.57	
For Exposed Aggregate, Add	3.15	
For Sandblasting Of Surface, Add	1.57	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0084 SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	18.83	
For 3,500 PSI Concrete, Add	0.38	
For 4,000 PSI Concrete, Add	0.56	
For 4,500 PSI Concrete, Add	0.75	
For 5,000 PSI Concrete, Add	1.13	
For White Facing, Add	3.77	
For Solid White Through Thickness, Add	3.77	
For Broken Rib Finish, Add	1.88	
For Fluted Surface, Add	1.88	
For Exposed Aggregate, Add	3.77	
For Sandblasting Of Surface, Add	1.88	
03 41 19 00-0085 SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	24.88	
For 3,500 PSI Concrete, Add	0.50	
For 4,000 PSI Concrete, Add	0.75	
For 4,500 PSI Concrete, Add	1.00	
For 5,000 PSI Concrete, Add	1.49	
For White Facing, Add	4.98	
For Solid White Through Thickness, Add	4.98	
For Broken Rib Finish, Add	2.49	
For Fluted Surface, Add	2.49	
For Exposed Aggregate, Add	4.98	
For Sandblasting Of Surface, Add	2.49	
03 41 19 00-0086 Sandwich Panel (03 41 19)		
03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	271.34	217.04
03 41 19 00-0089 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	303.51	242.79
03 41 19 00-0090 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	344.33	275.46
03 41 19 00-0091 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	368.01	294.40
03 41 19 00-0092 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	395.18	316.12
03 41 19 00-0093 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	429.79	343.81
03 41 19 00-0094 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	467.31	373.89
03 41 19 00-0095 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	516.50	413.17
03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	274.00	219.17
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	306.49	245.18
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	347.72	278.16
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	371.62	297.29
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	399.06	319.22
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	434.02	347.19
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	471.91	377.57
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	521.57	417.24
03 41 19 00-0105 EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	577.28	461.84
03 41 19 00-0106 EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	653.40	522.69
03 41 19 00-0107 EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	743.25	594.60
03 41 19 00-0108 EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	861.74	689.36
03 41 19 00-0109 Material Cost (03 41 19 00-0086)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110 SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	17.49	
For 3,500 PSI Concrete, Add	0.35	
For 4,000 PSI Concrete, Add	0.52	
For 4,500 PSI Concrete, Add	0.70	
For 5,000 PSI Concrete, Add	1.05	
For White Facing, Add	3.50	
For Solid White Through Thickness, Add	3.50	
For Broken Rib Finish, Add	1.75	
For Fluted Surface, Add	1.75	
For Exposed Aggregate, Add	3.50	
For Sandblasting Of Surface, Add	1.75	
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	20.58	
For 3,500 PSI Concrete, Add	0.41	
For 4,000 PSI Concrete, Add	0.62	
For 4,500 PSI Concrete, Add	0.82	
For 5,000 PSI Concrete, Add	1.23	
For White Facing, Add	4.12	
For Solid White Through Thickness, Add	4.12	
For Broken Rib Finish, Add	2.06	
For Fluted Surface, Add	2.06	
For Exposed Aggregate, Add	4.12	
For Sandblasting Of Surface, Add	2.06	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	23.94	
		<i>For 3,500 PSI Concrete, Add</i>	0.48	
		<i>For 4,000 PSI Concrete, Add</i>	0.72	
		<i>For 4,500 PSI Concrete, Add</i>	0.96	
		<i>For 5,000 PSI Concrete, Add</i>	1.44	
		<i>For White Facing, Add</i>	4.79	
		<i>For Solid White Through Thickness, Add</i>	4.79	
		<i>For Broken Rib Finish, Add</i>	2.39	
		<i>For Fluted Surface, Add</i>	2.39	
		<i>For Exposed Aggregate, Add</i>	4.79	
		<i>For Sandblasting Of Surface, Add</i>	2.39	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	30.26	
		<i>For 3,500 PSI Concrete, Add</i>	0.61	
		<i>For 4,000 PSI Concrete, Add</i>	0.91	
		<i>For 4,500 PSI Concrete, Add</i>	1.21	
		<i>For 5,000 PSI Concrete, Add</i>	1.82	
		<i>For White Facing, Add</i>	6.05	
		<i>For Solid White Through Thickness, Add</i>	6.05	
		<i>For Broken Rib Finish, Add</i>	3.03	
		<i>For Fluted Surface, Add</i>	3.03	
		<i>For Exposed Aggregate, Add</i>	6.05	
		<i>For Sandblasting Of Surface, Add</i>	3.03	

03 41 23 Precast Concrete Stairs (03 41)**03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	285.83	228.62
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	303.51	242.79
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	321.76	257.42
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	344.33	275.46
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	368.01	294.40
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	395.18	316.12
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	429.79	343.81
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	467.31	373.89

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	285.83	228.62
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	303.51	242.79
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	321.76	257.42
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	344.33	275.46
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	368.01	294.40
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	395.18	316.12
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	429.79	343.81
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	467.31	373.89

03 41 23 00-0019 Material Cost (03 41 23)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	269.56	
		<i>For 3,500 PSI Concrete, Add</i>	35.18	
		<i>For 4,000 PSI Concrete, Add</i>	66.10	
		<i>For 4,500 PSI Concrete, Add</i>	97.15	
		<i>For 5,000 PSI Concrete, Add</i>	132.17	

03 41 26 Precast Concrete Structural Sections (03 41)**03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)****03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	361.28	289.07
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	386.64	309.27
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	413.22	330.58
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	443.73	355.00

03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	457.08	365.63
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	489.15	391.36
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	522.78	418.22
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	561.38	449.07
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	610.55	488.48
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	663.85	531.04
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	733.72	586.97



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	812.08	649.71
03 41 26 00-0016 Material Cost <small>(03 41 26 00-0001)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.</small>		
03 41 26 00-0017 1,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	53.90	
<i>For 3,500 PSI Concrete, Add</i>	1.47	
<i>For 4,000 PSI Concrete, Add</i>	2.21	
<i>For 4,500 PSI Concrete, Add</i>	2.94	
<i>For 5,000 PSI Concrete, Add</i>	4.42	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	67.38	
<i>For 3,500 PSI Concrete, Add</i>	1.84	
<i>For 4,000 PSI Concrete, Add</i>	2.76	
<i>For 4,500 PSI Concrete, Add</i>	3.68	
<i>For 5,000 PSI Concrete, Add</i>	5.53	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	80.86	
<i>For 3,500 PSI Concrete, Add</i>	2.21	
<i>For 4,000 PSI Concrete, Add</i>	3.32	
<i>For 4,500 PSI Concrete, Add</i>	4.41	
<i>For 5,000 PSI Concrete, Add</i>	6.63	
03 41 26 00-0021 3,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	67.38	
<i>For 3,500 PSI Concrete, Add</i>	1.84	
<i>For 4,000 PSI Concrete, Add</i>	2.76	
<i>For 4,500 PSI Concrete, Add</i>	3.68	
<i>For 5,000 PSI Concrete, Add</i>	5.53	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	80.86	
<i>For 3,500 PSI Concrete, Add</i>	2.21	
<i>For 4,000 PSI Concrete, Add</i>	3.32	
<i>For 4,500 PSI Concrete, Add</i>	4.41	
<i>For 5,000 PSI Concrete, Add</i>	6.63	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	107.81	
<i>For 3,500 PSI Concrete, Add</i>	2.94	
<i>For 4,000 PSI Concrete, Add</i>	4.42	
<i>For 4,500 PSI Concrete, Add</i>	5.89	
<i>For 5,000 PSI Concrete, Add</i>	8.84	
03 41 26 00-0025 5,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	94.33	
<i>For 3,500 PSI Concrete, Add</i>	2.58	
<i>For 4,000 PSI Concrete, Add</i>	3.87	
<i>For 4,500 PSI Concrete, Add</i>	5.15	
<i>For 5,000 PSI Concrete, Add</i>	7.74	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	107.81	
<i>For 3,500 PSI Concrete, Add</i>	2.94	
<i>For 4,000 PSI Concrete, Add</i>	4.42	
<i>For 4,500 PSI Concrete, Add</i>	5.89	
<i>For 5,000 PSI Concrete, Add</i>	8.84	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	134.76	
<i>For 3,500 PSI Concrete, Add</i>	3.68	
<i>For 4,000 PSI Concrete, Add</i>	5.53	
<i>For 4,500 PSI Concrete, Add</i>	7.36	
<i>For 5,000 PSI Concrete, Add</i>	11.05	
03 41 26 00-0029 Precast Concrete Columns <small>(03 41 26)</small>		
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0029)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	207.90	166.30
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	221.04	176.80
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	236.89	189.53
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	254.10	203.28
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	274.00	219.17
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	297.29	237.84
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	324.92	259.95
03 41 26 00-0038 Material Cost <small>(03 41 26 00-0029)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.</small>		
03 41 26 00-0039 12" x 12" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	279.00	
<i>For 3,500 PSI Concrete, Add</i>	20.93	
<i>For 4,000 PSI Concrete, Add</i>	39.34	
<i>For 4,500 PSI Concrete, Add</i>	58.03	
<i>For 5,000 PSI Concrete, Add</i>	78.96	

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 26 00-0041	16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042	CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	285.89	
	For 3,500 PSI Concrete, Add	21.44	
	For 4,000 PSI Concrete, Add	40.31	
	For 4,500 PSI Concrete, Add	59.47	
	For 5,000 PSI Concrete, Add	80.91	
03 41 26 00-0043	20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044	CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	286.44	
	For 3,500 PSI Concrete, Add	21.48	
	For 4,000 PSI Concrete, Add	40.39	
	For 4,500 PSI Concrete, Add	59.58	
	For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0045	24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046	CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	286.44	
	For 3,500 PSI Concrete, Add	21.48	
	For 4,000 PSI Concrete, Add	40.39	
	For 4,500 PSI Concrete, Add	59.58	
	For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0047	28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048	CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	286.44	
	For 3,500 PSI Concrete, Add	21.48	
	For 4,000 PSI Concrete, Add	40.39	
	For 4,500 PSI Concrete, Add	59.58	
	For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0049	32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050	CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	285.89	
	For 3,500 PSI Concrete, Add	21.44	
	For 4,000 PSI Concrete, Add	40.31	
	For 4,500 PSI Concrete, Add	59.47	
	For 5,000 PSI Concrete, Add	80.91	
03 41 26 00-0051	36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052	CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	286.44	
	For 3,500 PSI Concrete, Add	21.48	
	For 4,000 PSI Concrete, Add	40.39	
	For 4,500 PSI Concrete, Add	59.58	
	For 5,000 PSI Concrete, Add	81.06	
03 41 33	Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001	Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002	SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	6.85	1.68
03 41 33 00-0003	SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	8.29	1.68
03 41 33 00-0004	SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	9.75	1.76
03 41 33 00-0005	SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	11.22	1.84
03 41 33 00-0006	Tee Members (03 41 33)		
03 41 33 00-0007	Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008	SF Prestressed Multiple Tee, Roof And Floor Members	14.29	2.18
03 41 33 00-0009	Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010	SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span	22.27	5.94
03 41 33 00-0011	Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012	SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	17.53	3.59
03 41 33 00-0013	Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014	SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	20.23	3.09
03 41 33 00-0015	Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016	Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017	SF Tees, Prestressed Quad Tee, Short Spans, Roof	9.74	0.67



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor	10.14	0.67
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	15.82	0.58
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	21.64	0.58
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	11.20	1.00
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	16.79	0.67
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	12.34	1.33
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	19.32	1.51
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	21.76	0.92
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	28.53	0.83
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	30.01	0.83
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	4,883.67	240.92
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	5,321.44	267.69
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	8,800.09	301.15
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	1,998.99	219.09
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	2,592.43	240.92
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	3,266.32	240.92
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	3,636.70	267.69
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	4,621.94	301.15
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	8,180.18	344.32
03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	3,872.83	240.92
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	5,051.88	267.69
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	8,193.59	301.15
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	2,632.46	219.09
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	2,781.12	240.92
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	3,064.15	240.92
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	3,164.97	267.69
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	4,150.21	301.15
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	7,034.55	344.32
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	10.21	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	10.66	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	11.27	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	11.76	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	12.72	
03 41 33 00-0056 Double And Single Tees (03 41 33)		
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.53	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.21	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	11.51	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	12.53	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	12.45	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	18.84	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	18.39	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	17.21	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	18.84	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	17.67	
03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.89	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.57	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	12.12	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	12.89	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	12.45	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	19.32	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	18.88	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	18.18	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	19.32	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	18.76	
03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	13.65	

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41	33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	13.19	
03 41	33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	12.72	
03 41	33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	20.57	
03 41	33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	19.86	
03 41	33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	19.03	

03 48 Precast Concrete Specialties (03 40)

03 48 16 Precast Concrete Splash Blocks (03 48)

03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size.....	12.09	2.99
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03 48 21 Precast Concrete Handrails (03 48)

03 48 21 00-0001 Installation Cost (03 48 21)

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail.....	118.92	53.54
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail.....	142.63	64.17

03 48 21 00-0004 Material Cost (03 48 21)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,064.79	
		For 3,500 PSI Concrete, Add	69.48	
		For 4,000 PSI Concrete, Add	130.54	
		For 4,500 PSI Concrete, Add	191.88	
		For 5,000 PSI Concrete, Add	261.03	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,105.23	
		For 3,500 PSI Concrete, Add	72.12	
		For 4,000 PSI Concrete, Add	135.50	
		For 4,500 PSI Concrete, Add	199.16	
		For 5,000 PSI Concrete, Add	270.95	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,145.66	
		For 3,500 PSI Concrete, Add	74.75	
		For 4,000 PSI Concrete, Add	140.46	
		For 4,500 PSI Concrete, Add	206.45	
		For 5,000 PSI Concrete, Add	280.86	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,199.58	
		For 3,500 PSI Concrete, Add	78.27	
		For 4,000 PSI Concrete, Add	147.07	
		For 4,500 PSI Concrete, Add	216.16	
		For 5,000 PSI Concrete, Add	294.08	

03 48 22 Precast Concrete Sun Screen And Trellis (03 48)

03 48 22 00-0001 Sun Screen Blades (03 48 22)

03 48 22 00-0002 Installation Cost (03 48 22 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each.....	59.47	26.77
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each.....	71.44	32.13
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each.....	89.26	40.19

03 48 22 00-0006 Material Cost (03 48 22 00-0001)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,132.18	
		For 3,500 PSI Concrete, Add	73.87	
		For 4,000 PSI Concrete, Add	138.81	
		For 4,500 PSI Concrete, Add	204.02	
		For 5,000 PSI Concrete, Add	277.55	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,172.62	
		For 3,500 PSI Concrete, Add	76.51	
		For 4,000 PSI Concrete, Add	143.76	
		For 4,500 PSI Concrete, Add	211.31	
		For 5,000 PSI Concrete, Add	287.47	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,226.53	
		For 3,500 PSI Concrete, Add	80.03	
		For 4,000 PSI Concrete, Add	150.37	
		For 4,500 PSI Concrete, Add	221.02	
		For 5,000 PSI Concrete, Add	300.68	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,280.45	
		For 3,500 PSI Concrete, Add	83.55	
		For 4,000 PSI Concrete, Add	156.98	
		For 4,500 PSI Concrete, Add	230.74	
		For 5,000 PSI Concrete, Add	313.90	

03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)



Concrete	03	03
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0012	Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0012)	
Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	271.34	122.08
03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	303.51	136.62
03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	344.33	154.93
03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	368.01	165.61
03 48 22 00-0017	Material Cost (03 48 22 00-0017)	
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades	1,307.40	
For 3,500 PSI Concrete, Add	85.31	
For 4,000 PSI Concrete, Add	160.29	
For 4,500 PSI Concrete, Add	235.59	
For 5,000 PSI Concrete, Add	320.51	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades	1,347.84	
For 3,500 PSI Concrete, Add	87.95	
For 4,000 PSI Concrete, Add	165.25	
For 4,500 PSI Concrete, Add	242.88	
For 5,000 PSI Concrete, Add	330.42	
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades	1,401.75	
For 3,500 PSI Concrete, Add	91.46	
For 4,000 PSI Concrete, Add	171.85	
For 4,500 PSI Concrete, Add	252.60	
For 5,000 PSI Concrete, Add	343.64	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades	1,469.14	
For 3,500 PSI Concrete, Add	95.86	
For 4,000 PSI Concrete, Add	180.12	
For 4,500 PSI Concrete, Add	264.74	
For 5,000 PSI Concrete, Add	360.16	
03 48 24	Precast Minaret Segments (03 48)	
03 48 24 00-0001	Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)	
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002	L - Shaped Segments (03 48 24 00-0002)	
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	264.04	211.24
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	295.88	236.72
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	334.55	267.63
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	356.86	285.48
03 48 24 00-0007	O - Shaped Segments (03 48 24 00-0007)	
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	279.06	223.29
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	313.20	250.52
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	354.70	283.74
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	379.87	303.88
03 48 24 00-0012	Platform Segment (03 48 24 00-0012)	
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	535.28	428.26
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	647.04	517.60
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	718.07	574.45
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	806.59	645.30
03 48 24 00-0017	Cap Segment (03 48 24 00-0017)	
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	292.94	234.33
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	327.12	261.66
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	372.66	298.08
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	397.84	318.23
03 48 24 00-0022	Installation Costs Using A 90 Ton Crawler Crane (03 48 24)	
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023	L - Shaped Segments (03 48 24 00-0023)	
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	266.64	213.31
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	298.79	239.05
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	337.84	270.26
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	360.36	288.28
03 48 24 00-0028	O - Shaped Segment (03 48 24 00-0028)	
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	281.80	225.48
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	316.28	252.98
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	358.19	286.53
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79.5' Maximum Radius With 90 Ton Crane	383.61	306.87

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 48 24 00-0033	Platform Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034	EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	430.86	344.69
03 48 24 00-0035	EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	521.57	417.24
03 48 24 00-0036	EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	577.28	461.84
03 48 24 00-0037	EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	653.40	522.69

03 48 24 00-0038	Cap Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039	EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	295.82	236.63
03 48 24 00-0040	EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	330.33	264.23
03 48 24 00-0041	EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	376.33	301.01
03 48 24 00-0042	EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	401.75	321.36

03 48 24 00-0043	Material Costs <small>(03 48 24)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.			
03 48 24 00-0044	CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0045	CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0046	CY Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0047	CY Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	

03 48 29 Precast Accessories (03 48)

Note: Includes installation labor, material and equipment.

03 48 29 00-0001	Bearing Pads For Precast Members <small>(03 48 29)</small>		
03 48 29 00-0002	Continuous 2" Wide Strips <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003	LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.09	
Note: For precast members			
03 48 29 00-0004	LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	1.57	
Note: For precast members.			
03 48 29 00-0005	LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	2.62	
Note: For precast members			
03 48 29 00-0006	LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	3.69	
Note: For precast members			
03 48 29 00-0007	LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips	4.81	
Note: For precast members			
03 48 29 00-0008	LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	6.93	
Note: For precast members			
03 48 29 00-0009	Bearing Pad Pipe Supports <small>(03 48 29)</small>		
03 48 29 00-0010	LF 8" Diameter Precast Balustrade, Decorative Shapes	67.18	
03 48 29 00-0011	LF Precast Rail Cap, <1 SF Cross Section	43.07	
03 48 29 00-0012	LF 4" x 4" Precast Pipe Support	6.85	

03 48 46 Precast Skylight Shells (03 48)

03 48 46 00-0001	Installation Cost Using A 90 Ton Crawler Crane <small>(03 48 46)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.			
03 48 46 00-0002	EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	386.64	174.01
03 48 46 00-0003	EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	429.32	193.20
03 48 46 00-0004	EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	482.60	217.17

03 48 46 00-0005 Material Cost (03 48 46)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 46 00-0006	CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	1,353.27	
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03 48 49 Precast Landings (03 48)

03 48 49 00-0001	SF 3" Thick Precast Landing	40.38	
03 48 49 00-0002	SF 4" Thick Precast Landing	46.72	
03 48 49 00-0003	SF 5" Thick Precast Landing	53.54	
03 48 49 00-0004	SF 6" Thick Precast Landing	61.86	

03 50 Cast Decks And Underlayment (03)**03 51 Cast Roof Decks** (03 50)**03 51 13 Cementitious Wood Fiber Decks** (03 51)

03 51 13 00-0001	Cement Fiber Tongue And Groove Planks <small>(03 51 13)</small>		
03 51 13 00-0002	SF 1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.61	
03 51 13 00-0003	SF 1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.71	
03 51 13 00-0004	SF 2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.84	
03 51 13 00-0005	SF 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.23	



Concrete	03	03
Cast Decks And Underlayment	03 50	
Cast Roof Decks	03 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 51 13 00-0006 SF 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	3.66	
03 51 13 00-0007 SF 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	4.14	
03 51 13 00-0008 SF 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	4.74	
03 51 13 00-0009 Bulb Tees, Sub-Purlins And Grout (03 51 13)		
03 51 13 00-0010 SF 6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System.....	1.10	
03 51 13 00-0011 SF 8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System.....	1.69	
03 51 16 Gypsum Concrete Roof Decks (03 51)		
03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)		
03 51 16 00-0002 SF 2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	4.02	0.41
03 51 16 00-0003 SF 2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	4.94	0.48
03 51 16 00-0004 SF 3" Thick Precast Gypsum Fill Concrete Deck, Class A.....	5.89	0.54
03 51 16 00-0005 SF 3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	6.83	0.62
03 51 16 00-0006 SF 4" Thick Precast Gypsum Fill Concrete Deck, Class A.....	7.79	0.69
03 51 16 00-0007 Formboard For Lightweight Deck (03 51 16)		
03 51 16 00-0008 SF Gypsum Deck Formboard, 1/2" Drywall For Lightweight Deck.....	1.67	
03 51 16 00-0009 SF Gypsum Deck Formboard, 1" Mineral Fiber Board For Lightweight Deck.....	2.24	
03 51 16 00-0010 SF Gypsum Deck Formboard, 1-1/2" Mineral Fiber Board For Lightweight Deck.....	4.71	
03 51 16 00-0011 SF Gypsum Deck Formboard, 1" Cementitious Fiber Board For Lightweight Deck.....	1.85	0.43
03 51 16 00-0012 SF Gypsum Deck Formboard, 1-1/2" Cementitious Fiber Board For Lightweight Deck.....	2.26	0.43
03 51 16 00-0013 SF Gypsum Deck Formboard, 1" Glass Fiber Board For Lightweight Deck.....	2.52	0.43
03 51 16 00-0014 SF Gypsum Deck Formboard, 1-1/2" Glass Fiber Board For Lightweight Deck.....	3.13	0.43
03 51 16 00-0015 Board Deck Supports For Formboard (03 51 16)		
03 51 16 00-0016 SF Gypsum Deck Formboard Supports, 5' Bulb Tee 40 LB/SF, Span.....	0.72	0.17
03 51 16 00-0017 SF Gypsum Deck Formboard Supports, 8' Bulb Tee 40 LB/SF Span.....	1.23	0.25
03 51 16 00-0018 Gypsum Plank (03 51 16)		
03 51 16 00-0019 SF Insulating Concrete Gypsum Plank, 2" Thick Roof Deck.....	2.83	
03 51 16 00-0020 SF Insulating Concrete Gypsum Plank, 3" Thick Roof Deck.....	3.72	
03 52 Lightweight Concrete Roof Insulation (03 50)		
03 52 16 Lightweight Insulating Concrete (03 52)		
Note: Add costs for forming to all tasks below. See CSI section 03 11 00 00-0000 for forming.		
03 52 16 00-0001 Poured Deck (03 52 16)		
03 52 16 00-0002 Perlite Or Vermiculite (03 52 16 00-0001)		
03 52 16 00-0003 CY Insulating Roof Deck, Perlite, 1:6 Mix Field Mix, Also Vermiculite.....	224.32	
<i>For Smooth Trowel Finish, Add</i>	38.37	
03 52 16 00-0004 Lightweight Insulating Concrete Deck, Ready Mix 1 To 6 Mix (03 52 16 00-0001)		
03 52 16 00-0005 SF 2" Insulating Roof Deck, Ready Mix, 1:6 Mix.....	2.32	
<i>For Smooth Trowel Finish, Add</i>	0.27	
03 52 16 00-0006 SF 3" Insulating Roof Deck, Ready Mix, 1:6 Mix.....	3.33	
<i>For Smooth Trowel Finish, Add</i>	0.34	
03 52 16 00-0007 Lightweight Concrete Plank (03 52 16)		
03 52 16 00-0008 SF 2" Thick Insulating Lightweight Concrete Plank Roof Deck.....	4.52	
<i>For >4 To 12 Pitch, Add</i>	0.30	
<i>For >6 To 12 Pitch, Add</i>	1.82	
03 52 16 00-0009 SF 2-1/2" Thick Insulating Lightweight Concrete Plank Roof Deck.....	5.24	
<i>For >4 To 12 Pitch, Add</i>	0.33	
<i>For >6 To 12 Pitch, Add</i>	1.98	
03 52 16 00-0010 SF 3" Thick Insulating Lightweight Concrete Plank Roof Deck.....	6.04	
<i>For >4 To 12 Pitch, Add</i>	0.36	
<i>For >6 To 12 Pitch, Add</i>	2.15	
03 52 16 00-0011 SF 3-1/2" Thick Insulating Lightweight Concrete Plank Roof Deck.....	6.33	
<i>For >4 To 12 Pitch, Add</i>	0.39	
<i>For >6 To 12 Pitch, Add</i>	2.31	
03 52 16 00-0012 SF 4" Thick Insulating Lightweight Concrete Plank Roof Deck.....	6.57	
<i>For >4 To 12 Pitch, Add</i>	0.40	
<i>For >6 To 12 Pitch, Add</i>	2.42	
03 52 16 00-0013 Lightweight Channel Slab (03 52 16)		
03 52 16 00-0014 SF 2-3/4" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck.....	5.03	
03 52 16 00-0015 SF 3-1/2" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck.....	5.37	
03 52 16 00-0016 SF 3-3/4" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck.....	5.47	

03 Concrete**03 50 Cast Decks And Underlayment****03 52 Lightweight Concrete Roof Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 52 16 00-0017	SF	4-3/4" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck.....	5.67
03 52 16 00-0018	SF	2-3/4" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.18
03 52 16 00-0019	SF	3-1/2" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.26
03 52 16 00-0020	SF	3-3/4" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.39
03 52 16 00-0021	SF	4-3/4" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.52

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 00 00-0001 Integral Topping Including Hard Trowel Finish (03 53)

Note: Using 1:1:2 mix.

03 53 00 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	1.85
03 53 00 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.08
03 53 00 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.43
03 53 00 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.88
03 53 00 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.09
03 53 00 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.49
03 53 00 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.90

03 53 00 00-0009 Granolithic Topping Laid After (03 53)

Note: Using 1:1:1-1/2 mix.

03 53 00 00-0010	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.12
03 53 00 00-0011	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.36
03 53 00 00-0012	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.23

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)**03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors** (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.62
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	2.48
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	4.19
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	5.90
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.61
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	9.89
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	11.04
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	14.47

03 60 Grouting (03)**03 61 Cementitious Grouting** (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Flowable Grout (03 61)

03 61 16 00-0001	CY	Flowable Grout.....	322.57
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03 62 Non-Shrink Grouting (03 60)**03 62 13 Non-Metallic Non-Shrink Grouting** (03 62)**03 62 13 00-0001 Fluid Type, Nonmetallic** (03 62 13)

03 62 13 00-0002	SF	1" Deep Fluid Type Nonmetal Grout, For Grouting Bases.....	18.52
03 62 13 00-0003	SF	2" Deep Fluid Type Nonmetal Grout, For Grouting Bases.....	27.43

03 62 13 00-0004 Nonshrink, Nonmetallic Grout (03 62 13)

03 62 13 00-0005	SF	1" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	28.38
03 62 13 00-0006	SF	2" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	45.50

03 62 13 00-0007 Nonshrink, Nonmetallic Grout For Joints (03 62 13)**03 62 13 00-0008 1/2" Joint Thickness** (03 62 13 00-0007)

03 62 13 00-0009	LF	1/2" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	1.50
03 62 13 00-0010	LF	1/2" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	1.97
03 62 13 00-0011	LF	1/2" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.59

03 62 13 00-0012 1" Joint Thickness (03 62 13 00-0007)

03 62 13 00-0013	LF	1" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.21
03 62 13 00-0014	LF	1" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.93
03 62 13 00-0015	LF	1" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	3.90



Concrete	03	03
Grouting	03 60	
Non-Shrink Grouting	03 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 62 16 Metallic Non-Shrink Grouting (03 62)

03 62 16 00-0001	Nonshrink, Metallic Grout (03 62 16)		
03 62 16 00-0002	SF 1" Deep Nonshrink Metallic Grout, For Grouting Bases.....		24.02
03 62 16 00-0003	SF 2" Deep Nonshrink Metallic Grout, For Grouting Bases.....		37.04

03 62 16 00-0004 Nonshrink, Metallic Grout For Joints (03 62 16)

03 62 16 00-0005	1/2" Joint Thickness (03 62 16 00-0004)		
03 62 16 00-0006	LF 1/2" x 4" Wide Nonshrink Metallic Joint For Grouting Joints.....		1.23
03 62 16 00-0007	LF 1/2" x 6" Wide Nonshrink Metallic Joint For Grouting Joints.....		1.55
03 62 16 00-0008	LF 1/2" x 8" Wide Nonshrink Metallic Joint For Grouting Joints.....		2.06

03 62 16 00-0009 1" Joint Thickness (03 62 16 00-0004)

03 62 16 00-0010	LF 1" x 4" Wide Nonshrink Metallic Joint For Grouting Joints.....		1.68
03 62 16 00-0011	LF 1" x 6" Wide Nonshrink Metallic Joint For Grouting Joints.....		2.11
03 62 16 00-0012	LF 1" x 8" Wide Nonshrink Metallic Joint For Grouting Joints.....		2.82

03 64 Injection Grouting (03 64)

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting (03 64)

03 64 23 00-0001	CF Pressure Injected Epoxy Grout.....		765.19
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03 64 26 Injection Grouting (03 64)

03 64 26 00-0001	CF Pressure Injected Cementitious Grout.....		110.24
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03 80 Concrete Cutting And Boring (03)

03 81 Concrete Cutting (03 80)

03 81 13 Flat Concrete Sawing (03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing (03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring (03 80)

03 82 13 Concrete Core Drilling (03 82)

See CSI section 02 41 19 13-0023 for core drilling.

END OF SECTION 03

03	03	Concrete
	03 80	Concrete Cutting And Boring
	03 82	Concrete Boring



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 Masonry

04 01 Maintenance Of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance Of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris and disposal of waste.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001	Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)		
04 01 20 41-0002	Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)		
	Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.		
04 01 20 41-0003	304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)		
04 01 20 41-0004	EA 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	21.08	
	For Up To 10, Add	7.40	
	For >10 To 50, Add	3.70	
04 01 20 41-0005	EA 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	31.88	
	For Up To 10, Add	7.40	
	For >10 To 50, Add	3.70	
04 01 20 41-0006	EA 8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	43.61	
	For Up To 10, Add	7.40	
	For >10 To 50, Add	3.70	
04 01 20 41-0007	316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)		
04 01 20 41-0008	EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.42	
	For Up To 10, Add	7.40	
	For >10 To 50, Add	3.70	
04 01 20 41-0009	EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.04	
	For Up To 10, Add	7.40	
	For >10 To 50, Add	3.70	
04 01 20 41-0010	EA 8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	49.85	
	For Up To 10, Add	7.40	
	For >10 To 50, Add	3.70	
04 01 20 41-0011	Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)		
	Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.		
04 01 20 41-0012	304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)		
04 01 20 41-0013	EA 4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	51.83	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	
04 01 20 41-0014	EA 4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.96	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	
04 01 20 41-0015	EA 4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	200.36	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	
04 01 20 41-0016	EA 6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	51.83	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	
04 01 20 41-0017	EA 6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.96	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	
04 01 20 41-0018	EA 6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	64.95	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	
04 01 20 41-0019	EA 6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.07	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	
04 01 20 41-0020	EA 6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	200.36	
	For Up To 10, Add	29.58	
	For >10 To 50, Add	14.79	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0021	316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <small>(04 01 20 41-0011)</small>	
04 01 20 41-0022	EA 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	55.17
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.42
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	228.20
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	55.17
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.42
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	70.51
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	85.87
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	228.20
	For Up To 10, Add	29.58
	For >10 To 50, Add	14.79
04 01 20 41-0030	Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0001)</small>	
	Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.	
04 01 20 41-0031	304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>	
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.32
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.42
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.62
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.72
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.82
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.32
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.42
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.62
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.72
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.92
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	10.32
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.52
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.17
	For Up To 10, Add	4.44
	For >10 To 50, Add	2.22



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047	316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>			
04 01 20 41-0048	EA 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.32		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0049	EA 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.42		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0050	EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.52		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0051	EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.62		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0052	EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.72		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0053	EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.82		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0054	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.32		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0055	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.42		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0056	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.52		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0057	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.62		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0058	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.72		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0059	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.92		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0060	EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	10.32		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0061	EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	12.52		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0062	EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	14.17		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
04 01 20 41-0063	Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0001)</small>			
	Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.			
04 01 20 41-0064	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>			
04 01 20 41-0065	EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.73		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
	<i>For Metal Stud Clip, Add</i>		2.34	
04 01 20 41-0066	EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.13		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
	<i>For Metal Stud Clip, Add</i>		2.34	
04 01 20 41-0067	EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.20		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
	<i>For Metal Stud Clip, Add</i>		2.34	
04 01 20 41-0068	EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.37		
	<i>For Up To 10, Add</i>		4.44	
	<i>For >10 To 50, Add</i>		2.22	
	<i>For Metal Stud Clip, Add</i>		2.34	

04	Masonry
04 01	Maintenance Of Masonry
04 01 20	Maintenance Of Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.66	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.90	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.02	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.17	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.88	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.98	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.82	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.54	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.15	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.31	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.23	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.78	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.87	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.29	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.68	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.02	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.24	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.39	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.65	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.76	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.25	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.96	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.56	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.31	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.35	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.62	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.14	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.79	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.05	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.21	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.33	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.68	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.24	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.45	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.01	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.45	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.93	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.27	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.49	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0108	EA		10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.65	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0109	EA		10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.01	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0110	EA		304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.17	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i>	2.22	
			<i>For >10 To 50, Add</i>	1.11	
04 01 20 41-0111			316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)		
04 01 20 41-0112	EA		8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.36	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0113	EA		8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.85	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0114	EA		8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.95	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0115	EA		8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.15	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0116	EA		8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.51	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0117	EA		8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.81	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0118	EA		8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.96	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0119	EA		8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.16	
			<i>For Up To 10, Add</i>	4.44	
			<i>For >10 To 50, Add</i>	2.22	
			<i>For Metal Stud Clip, Add</i>	2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120 EA 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.89	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0121 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.02	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0122 EA 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.08	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0123 EA 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.97	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0124 EA 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.74	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0125 EA 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.43	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0126 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.62	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0127 EA 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.81	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0128 EA 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.61	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0129 EA 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.10	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0130 EA 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.58	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0131 EA 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.01	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0132 EA 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.29	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0133 EA 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.47	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0134 EA 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.79	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0135 EA 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.92	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	
04 01 20 41-0136 EA 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.51	
<i>For Up To 10, Add</i>	4.44	
<i>For >10 To 50, Add</i>	2.22	
<i>For Metal Stud Clip, Add</i>	2.34	

04 Masonry

04 01 Maintenance Of Masonry

04 01 20 Maintenance Of Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.31	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.04	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.98	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.04	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.46	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.86	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.79	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0144	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.07	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0145	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.27	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0146	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.42	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0147	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.86	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0148	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.56	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0149	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.79	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0150	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.48	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0151	EA		10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.50	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0152	EA		10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.11	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	
04 01 20 41-0153	EA		10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.54	
			For Up To 10, Add	4.44	
			For >10 To 50, Add	2.22	
			For Metal Stud Clip, Add	2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.81	
For Up To 10, Add	4.44	
For >10 To 50, Add	2.22	
For Metal Stud Clip, Add	2.34	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.00	
For Up To 10, Add	4.44	
For >10 To 50, Add	2.22	
For Metal Stud Clip, Add	2.34	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.45	
For Up To 10, Add	4.44	
For >10 To 50, Add	2.22	
For Metal Stud Clip, Add	2.34	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.66	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
For Up To 10, Add	2.22	
For >10 To 50, Add	1.11	
04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.20	
For Up To 10, Add	4.44	
For >10 To 50, Add	2.22	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.25	
For Up To 10, Add	4.44	
For >10 To 50, Add	2.22	
04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.54	
For Up To 10, Add	4.44	
For >10 To 50, Add	2.22	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.62	
For Up To 10, Add	4.44	
For >10 To 50, Add	2.22	
04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	39.57	
For Up To 10, Add	29.58	
For >10 To 50, Add	14.79	
04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	41.11	
For Up To 10, Add	29.58	
For >10 To 50, Add	14.79	
04 01 20 51 Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall	2.80	
04 01 20 52 Unit Masonry Cleaning (04 01 20)		
04 01 20 52-0001 Cleaning And Repointing Masonry (04 01 20 52)		
Note: Includes mortar for pointing. Excludes removing mortar.		
04 01 20 52-0002 SF Clean And Repoint Brick Masonry	1.77	
04 01 20 52-0003 SF Clean And Repoint Concrete Block Masonry	1.16	
04 01 20 52-0004 SF Clean And Repoint Brick On Historic Buildings	2.30	
04 01 20 91 Unit Masonry Restoration (04 01 20)		
04 01 20 91-0001 Cut And Repoint Masonry (04 01 20 91)		
Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		

04	Masonry
04 01	Maintenance Of Masonry
04 01 20	Maintenance Of Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0002 SF Cut And Repoint Brick, Hard Intact Mortar, Running Bond	9.97	
For Common Bond, Add	0.28	
For Flemish Bond, Add	0.97	
For English Bond, Add	1.59	
For Oversized Or Larger Than Standard, Deduct	-1.50	
For >250 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.85	
04 01 20 91-0003 SF Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond	7.56	
For Common Bond, Add	0.19	
For Flemish Bond, Add	0.66	
For English Bond, Add	1.08	
For Oversized Or Larger Than Standard, Deduct	-1.13	
For >250 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.61	
04 01 20 91-0004 SF Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond.....	6.12	
For Common Bond, Add	0.14	
For Oversized Or Larger Than Standard, Deduct	-0.92	
For >250 To 1,000, Deduct	-0.17	
For >1,000, Deduct	-0.48	
04 01 20 91-0005 SF Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond	4.74	
For Common Bond, Add	0.09	
For Oversized Or Larger Than Standard, Deduct	-0.71	
For >250 To 1,000, Deduct	-0.12	
For >1,000, Deduct	-0.35	
04 01 20 91-0006 LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	2.22	
04 01 20 91-0007 Cut And Caulk Masonry (04 01 20 91)		
Note: Remove existing mortar to 1/2" depth. Replace with caulk. Includes caulk, cutting, rinsing and cleaning joint.		
04 01 20 91-0008 LF Cut And Caulk Masonry, Butyl Caulks	4.30	
For Vertical Expansion Joint Material, Add	0.21	
For 3/4" Deep Cut, Add	1.29	
04 01 20 91-0009 LF Cut And Caulk Masonry, Polysulfide Or Acrylic Caulks	5.33	
For Vertical Expansion Joint Material, Add	0.22	
For 3/4" Deep Cut, Add	1.60	
04 01 20 91-0010 LF Cut And Caulk Masonry, Silicone Caulks.....	6.34	
For Vertical Expansion Joint Material, Add	0.26	
For 3/4" Deep Cut, Add	1.90	
04 01 20 91-0011 Repair Masonry (04 01 20 91)		
Note: Includes mortar for repair.		
04 01 20 91-0012 SF Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material	12.70	
04 01 20 91-0013 SF Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material.....	11.72	
04 01 20 91-0014 LF Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	3.38	
04 01 20 91-0015 SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	5.67	
04 01 20 91-0016 LF Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base).....	288.04	
04 01 20 91-0017 LF Pressure Grout Block/Brick Master Builders RHEOCHEM 900 (Portland Cement Base).....	82.18	
04 01 20 91-0018 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	22.97	
For Cracks Accessible From Both Sides, Add	4.65	
04 01 20 91-0019 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	21.05	
For Cracks Accessible From Both Sides, Add	4.65	
04 01 20 91-0020 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	5.95	
For V-Grooving Crack With Grinder, Add	4.38	
04 01 20 91-0021 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	7.90	
For V-Grooving Crack With Grinder, Add	4.16	
04 01 40 Maintenance of Stone Assemblies (04 01)		
04 01 40 52 Stone Cleaning (04 01 40)		
04 01 40 52-0001 Cleaning And Pointing Stone (04 01 40 52)		
04 01 40 52-0002 SF Clean And Repoint Limestone On Historic Buildings	1.93	
04 01 40 52-0003 SF Clean And Repoint Marble, Tile, Stone Or Granite	1.68	
04 01 40 91 Stone Restoration (04 01 40)		
04 01 40 91-0001 Cut And Repoint (04 01 40 91)		
04 01 40 91-0002 LF Cut And Repoint Stone Work.....	4.39	
04 01 40 91-0003 Repair (04 01 40 91)		
04 01 40 91-0004 SF Repair Field Stone Walls, Including Remove Damaged Stones And Reset.....	29.35	
04 01 40 91-0005 SF Repair Molded Stone	2.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 40 91-0006 Clean And Patch Existing Stonework <small>(04 01 40 91)</small> Note: Excludes cutting, drilling or anchor bolts if required.		
04 01 40 91-0007 SF Clean And Patch Existing Stonework	3.30	
04 01 40 91-0008 Removal Of Deteriorated Stone <small>(04 01 40 91)</small> Note: Includes cutting of stone for removal.		
04 01 40 91-0009 SF Removal Of Deteriorated Stone..... Note: Does not include material for stone replacement	6.86	
04 01 50 Maintenance of Refractory Masonry <small>(04 01)</small>		
04 01 50 52 Refractory Cleaning <small>(04 01 50)</small>		
04 01 50 52-0001 Chimney Cleaning <small>(04 01 50 52)</small>		
04 01 50 52-0002 LF Up To 2 SF Cross Section Chimney Cleaning.....	5.32	
04 01 50 52-0003 LF >2 To 4 SF Cross Section Chimney Cleaning	10.63	
04 01 50 52-0004 LF >4 SF Cross Section Chimney Cleaning.....	15.95	
04 05 Common Work Results For Masonry <small>(04)</small>		
04 05 13 Masonry Mortaring <small>(04 05)</small>		
04 05 13 26 Engineered Masonry Mortaring <small>(04 05 13)</small> Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.		
04 05 13 26-0001 Masonry Cement Mortar <small>(04 05 13 26)</small> Note: Ratio is bag material to sand.		
04 05 13 26-0002 CF Type M Masonry Cement 1:1:6 Mix	4.87	
04 05 13 26-0003 CF Type N Masonry Cement 1:3 Mix	4.49	
04 05 13 26-0004 CF Type O Masonry Cement 1:3 Mix	4.61	
04 05 13 26-0005 CF Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	5.05	
04 05 13 26-0006 CF Type S Masonry Cement 1/2:1:4 Mix.....	5.33	
04 05 13 26-0007 Mortar Admixture <small>(04 05 13 26)</small>		
04 05 13 26-0008 CF Water - Repellent Stearate - Cost Based On CF Of Mortar	0.30	
04 05 13 26-0009 CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.06	
04 05 13 26-0010 Color Admixtures For Mortar <small>(04 05 13 26)</small> Note: Costs are based on CF of mortar.		
04 05 13 26-0011 CF Buff Colored Admixture.....	1.88	
04 05 13 26-0012 CF Brown Colored Admixture.....	2.14	
04 05 13 26-0013 CF Black Colored Admixture	2.64	
04 05 13 26-0014 CF Red Colored Admixture	5.79	
04 05 13 26-0015 Portland Cement <small>(04 05 13 26)</small>		
04 05 13 26-0016 CF Normal Portland Cement (Type I)	10.03	
04 05 13 26-0017 CF Modified Portland Cement (Type II)	5.00	
04 05 13 26-0018 CF High Early Strength (Type III)	5.31	
04 05 13 26-0019 CF White Non Staining Portland Cement (Type I).....	11.12	
04 05 16 Masonry Grouting <small>(04 05)</small>		
04 05 16 26 Engineered Masonry Grouting <small>(04 05 16)</small> Note: Does not include reinforcement.		
04 05 16 26-0001 Bond Beams And Lintels, Concrete Fill <small>(04 05 16 26)</small> Note: Excludes block.		
04 05 16 26-0002 LF Grout Beams And Lintels - 6" Block Concrete Fill Only, 0.1125 CF/LF, 8" Deep	3.29	
04 05 16 26-0003 LF Grout Beams And Lintels - 8" Block Concrete Fill Only, 0.20 CF/LF, 8" Deep.....	3.59	
04 05 16 26-0004 LF Grout Beams And Lintels - 10" Block Concrete Fill Only, 0.25 CF/LF, 8" Deep.....	4.00	
04 05 16 26-0005 LF Grout Beams And Lintels, 12" Block Concrete Fill Only, 0.30 CF/LF, 8" Deep	4.47	
04 05 16 26-0006 Concrete Block Cores, Solid Filled <small>(04 05 16 26)</small> Note: Per SF of face area filled.		
04 05 16 26-0007 SF Grout Concrete Block Cores- 4" Block Concrete Fill Block Solid (0.067 CF/SF)	2.59	
04 05 16 26-0008 SF Grout Concrete Block Cores- 6" Block Concrete Fill Block Solid (0.175 CF/SF)	3.74	
04 05 16 26-0009 SF Grout Concrete Block Cores- 8" Block Concrete Fill Block Solid (0.258 CF/SF)	5.33	
04 05 16 26-0010 SF Grout Concrete Block Cores- 10" Block Concrete Fill Block Solid (0.34 CF/SF)	6.55	
04 05 16 26-0011 SF Grout Concrete Block Cores- 12" Block Concrete Fill Block Solid (0.422 CF/SF)	7.72	

04 Masonry**04 05 Common Work Results For Masonry****04 05 16 Masonry Grouting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
04 05 16 26-0012		Cavity Walls <small>(04 05 16 26)</small>		
		Note: Per SF of face area filled.		
04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space Concrete Fill (0.167 CF/SF)	3.03	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space Concrete Fill (0.250 CF/SF)	4.25	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space Concrete Fill (0.333 CF/SF)	5.35	
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space Concrete Fill (0.500 CF/SF)	7.24	
04 05 16 26-0017		Grouting Frames <small>(04 05 16 26)</small>		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	4.77	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	4.08	
04 05 16 26-0020		Sand Filled Walls <small>(04 05 16 26)</small>		
04 05 16 26-0021		Cavity Walls Sand Fill Concrete Block <small>(04 05 16 26-0020)</small>		
		Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space (0.167 CF/SF)	2.54	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space (0.250 CF/SF)	3.50	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space (0.333 CF/SF)	4.31	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space (0.500 CF/SF)	5.74	
04 05 19		Masonry Anchorage And Reinforcing <small>(04 05)</small>		
04 05 19 13		Continuous Joint Reinforcing <small>(04 05 19)</small>		
		Note: Includes cutting and bending.		
04 05 19 13-0001		Continuous Joint Reinforcing <small>(04 05 19 13)</small>		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0004		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	35.83	
		For Class 1 Mill Galvanized, Add	1.37	
		For Class 2 Mill Galvanized, Add	2.06	
		For Hot-Dipped Galvanized, Add	3.43	
		For Stainless Steel, Add	13.72	
		For Cavity Drip, Add	0.50	
		For 3-Wire, Add	8.75	
		For Double Side Rods, Add	17.50	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	38.14	
		For Class 1 Mill Galvanized, Add	1.44	
		For Class 2 Mill Galvanized, Add	2.16	
		For Hot-Dipped Galvanized, Add	3.60	
		For Stainless Steel, Add	14.40	
		For Cavity Drip, Add	0.50	
		For 3-Wire, Add	8.75	
		For Double Side Rods, Add	17.50	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	41.35	
		For Class 1 Mill Galvanized, Add	1.52	
		For Class 2 Mill Galvanized, Add	2.28	
		For Hot-Dipped Galvanized, Add	3.80	
		For Stainless Steel, Add	15.18	
		For Cavity Drip, Add	0.50	
		For 3-Wire, Add	8.75	
		For Double Side Rods, Add	17.50	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	45.16	
		For Class 1 Mill Galvanized, Add	1.61	
		For Class 2 Mill Galvanized, Add	2.41	
		For Hot-Dipped Galvanized, Add	4.02	
		For Stainless Steel, Add	16.06	
		For Cavity Drip, Add	0.50	
		For 3-Wire, Add	8.75	
		For Double Side Rods, Add	17.50	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	49.72	
		For Class 1 Mill Galvanized, Add	1.69	
		For Class 2 Mill Galvanized, Add	2.54	
		For Hot-Dipped Galvanized, Add	4.23	
		For Stainless Steel, Add	16.92	
		For Cavity Drip, Add	0.50	
		For 3-Wire, Add	8.75	
		For Double Side Rods, Add	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0010 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	53.23	
<i>For Class 1 Mill Galvanized, Add</i>	1.73	
<i>For Class 2 Mill Galvanized, Add</i>	2.60	
<i>For Hot-Dipped Galvanized, Add</i>	4.34	
<i>For Stainless Steel, Add</i>	17.34	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0011 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	55.69	
<i>For Class 1 Mill Galvanized, Add</i>	1.78	
<i>For Class 2 Mill Galvanized, Add</i>	2.67	
<i>For Hot-Dipped Galvanized, Add</i>	4.46	
<i>For Stainless Steel, Add</i>	17.82	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0012 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	62.01	
<i>For Class 1 Mill Galvanized, Add</i>	2.45	
<i>For Class 2 Mill Galvanized, Add</i>	3.68	
<i>For Hot-Dipped Galvanized, Add</i>	6.13	
<i>For Stainless Steel, Add</i>	24.50	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0013 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	71.67	
<i>For Class 1 Mill Galvanized, Add</i>	3.79	
<i>For Class 2 Mill Galvanized, Add</i>	5.68	
<i>For Hot-Dipped Galvanized, Add</i>	9.47	
<i>For Stainless Steel, Add</i>	37.88	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0014 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	39.63	
<i>For Class 1 Mill Galvanized, Add</i>	2.13	
<i>For Class 2 Mill Galvanized, Add</i>	3.20	
<i>For Hot-Dipped Galvanized, Add</i>	5.33	
<i>For Stainless Steel, Add</i>	21.32	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0016 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	41.99	
<i>For Class 1 Mill Galvanized, Add</i>	2.21	
<i>For Class 2 Mill Galvanized, Add</i>	3.32	
<i>For Hot-Dipped Galvanized, Add</i>	5.53	
<i>For Stainless Steel, Add</i>	22.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0017 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	45.24	
<i>For Class 1 Mill Galvanized, Add</i>	2.30	
<i>For Class 2 Mill Galvanized, Add</i>	3.44	
<i>For Hot-Dipped Galvanized, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	22.96	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0018 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	49.01	
<i>For Class 1 Mill Galvanized, Add</i>	2.38	
<i>For Class 2 Mill Galvanized, Add</i>	3.56	
<i>For Hot-Dipped Galvanized, Add</i>	5.94	
<i>For Stainless Steel, Add</i>	23.76	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0019 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall		
Reinforcement	53.56	
<i>For Class 1 Mill Galvanized, Add</i>	2.46	
<i>For Class 2 Mill Galvanized, Add</i>	3.69	
<i>For Hot-Dipped Galvanized, Add</i>	6.15	
<i>For Stainless Steel, Add</i>	24.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0020	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.08	
			<i>For Class 1 Mill Galvanized, Add</i>	2.51	
			<i>For Class 2 Mill Galvanized, Add</i>	3.76	
			<i>For Hot-Dipped Galvanized, Add</i>	6.27	
			<i>For Stainless Steel, Add</i>	25.06	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0021	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	59.53	
			<i>For Class 1 Mill Galvanized, Add</i>	2.55	
			<i>For Class 2 Mill Galvanized, Add</i>	3.82	
			<i>For Hot-Dipped Galvanized, Add</i>	6.37	
			<i>For Stainless Steel, Add</i>	25.48	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0022	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	67.07	
			<i>For Class 1 Mill Galvanized, Add</i>	3.46	
			<i>For Class 2 Mill Galvanized, Add</i>	5.19	
			<i>For Hot-Dipped Galvanized, Add</i>	8.66	
			<i>For Stainless Steel, Add</i>	34.62	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0023	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.34	
			<i>For Class 1 Mill Galvanized, Add</i>	5.52	
			<i>For Class 2 Mill Galvanized, Add</i>	8.29	
			<i>For Hot-Dipped Galvanized, Add</i>	13.81	
			<i>For Stainless Steel, Add</i>	55.24	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0024			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	43.31	
			<i>For Class 1 Mill Galvanized, Add</i>	2.87	
			<i>For Class 2 Mill Galvanized, Add</i>	4.30	
			<i>For Hot-Dipped Galvanized, Add</i>	7.17	
			<i>For Stainless Steel, Add</i>	28.68	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0026	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	46.33	
			<i>For Class 1 Mill Galvanized, Add</i>	3.03	
			<i>For Class 2 Mill Galvanized, Add</i>	4.54	
			<i>For Hot-Dipped Galvanized, Add</i>	7.57	
			<i>For Stainless Steel, Add</i>	30.26	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0027	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	49.35	
			<i>For Class 1 Mill Galvanized, Add</i>	3.18	
			<i>For Class 2 Mill Galvanized, Add</i>	4.78	
			<i>For Hot-Dipped Galvanized, Add</i>	7.96	
			<i>For Stainless Steel, Add</i>	31.84	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0028	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	53.99	
			<i>For Class 1 Mill Galvanized, Add</i>	3.37	
			<i>For Class 2 Mill Galvanized, Add</i>	5.06	
			<i>For Hot-Dipped Galvanized, Add</i>	8.43	
			<i>For Stainless Steel, Add</i>	33.72	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0029	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	58.65	
			<i>For Class 1 Mill Galvanized, Add</i>	3.56	
			<i>For Class 2 Mill Galvanized, Add</i>	5.34	
			<i>For Hot-Dipped Galvanized, Add</i>	8.90	
			<i>For Stainless Steel, Add</i>	35.60	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.86	
<i>For Class 1 Mill Galvanized, Add</i>	3.66	
<i>For Class 2 Mill Galvanized, Add</i>	5.49	
<i>For Hot-Dipped Galvanized, Add</i>	9.15	
<i>For Stainless Steel, Add</i>	36.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	65.15	
<i>For Class 1 Mill Galvanized, Add</i>	3.75	
<i>For Class 2 Mill Galvanized, Add</i>	5.62	
<i>For Hot-Dipped Galvanized, Add</i>	9.37	
<i>For Stainless Steel, Add</i>	37.46	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.36	
<i>For Class 1 Mill Galvanized, Add</i>	3.92	
<i>For Class 2 Mill Galvanized, Add</i>	5.88	
<i>For Hot-Dipped Galvanized, Add</i>	9.80	
<i>For Stainless Steel, Add</i>	39.18	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.28	
<i>For Class 1 Mill Galvanized, Add</i>	6.51	
<i>For Class 2 Mill Galvanized, Add</i>	9.77	
<i>For Hot-Dipped Galvanized, Add</i>	16.28	
<i>For Stainless Steel, Add</i>	65.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0034 Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0035 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0034)</small>		
04 05 19 13-0036 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	49.26	
<i>For Class 1 Mill Galvanized, Add</i>	2.33	
<i>For Class 2 Mill Galvanized, Add</i>	3.50	
<i>For Hot-Dipped Galvanized, Add</i>	5.83	
<i>For Stainless Steel, Add</i>	23.32	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0037 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	54.51	
<i>For Class 1 Mill Galvanized, Add</i>	2.55	
<i>For Class 2 Mill Galvanized, Add</i>	3.82	
<i>For Hot-Dipped Galvanized, Add</i>	6.37	
<i>For Stainless Steel, Add</i>	25.46	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0038 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	59.63	
<i>For Class 1 Mill Galvanized, Add</i>	2.73	
<i>For Class 2 Mill Galvanized, Add</i>	4.10	
<i>For Hot-Dipped Galvanized, Add</i>	6.84	
<i>For Stainless Steel, Add</i>	27.34	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0039 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	64.36	
<i>For Class 1 Mill Galvanized, Add</i>	2.84	
<i>For Class 2 Mill Galvanized, Add</i>	4.27	
<i>For Hot-Dipped Galvanized, Add</i>	7.11	
<i>For Stainless Steel, Add</i>	28.44	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0040 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	66.95	
<i>For Class 1 Mill Galvanized, Add</i>	2.94	
<i>For Class 2 Mill Galvanized, Add</i>	4.42	
<i>For Hot-Dipped Galvanized, Add</i>	7.36	
<i>For Stainless Steel, Add</i>	29.44	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0041 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	71.82	
<i>For Class 1 Mill Galvanized, Add</i>	3.17	
<i>For Class 2 Mill Galvanized, Add</i>	4.75	
<i>For Hot-Dipped Galvanized, Add</i>	7.92	
<i>For Stainless Steel, Add</i>	31.68	
<i>For Cavity Drip, Add</i>	0.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0042	CLF		#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	76.10	
			<i>For Class 1 Mill Galvanized, Add</i>	3.35	
			<i>For Class 2 Mill Galvanized, Add</i>	5.03	
			<i>For Hot-Dipped Galvanized, Add</i>	8.39	
			<i>For Stainless Steel, Add</i>	33.54	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0043			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0034)</small>		
04 05 19 13-0044	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	53.99	
			<i>For Class 1 Mill Galvanized, Add</i>	3.28	
			<i>For Class 2 Mill Galvanized, Add</i>	4.92	
			<i>For Hot-Dipped Galvanized, Add</i>	8.20	
			<i>For Stainless Steel, Add</i>	32.78	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0045	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	59.25	
			<i>For Class 1 Mill Galvanized, Add</i>	3.49	
			<i>For Class 2 Mill Galvanized, Add</i>	5.24	
			<i>For Hot-Dipped Galvanized, Add</i>	8.74	
			<i>For Stainless Steel, Add</i>	34.94	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0046	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	64.32	
			<i>For Class 1 Mill Galvanized, Add</i>	3.67	
			<i>For Class 2 Mill Galvanized, Add</i>	5.51	
			<i>For Hot-Dipped Galvanized, Add</i>	9.18	
			<i>For Stainless Steel, Add</i>	36.72	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0047	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	69.10	
			<i>For Class 1 Mill Galvanized, Add</i>	3.79	
			<i>For Class 2 Mill Galvanized, Add</i>	5.69	
			<i>For Hot-Dipped Galvanized, Add</i>	9.48	
			<i>For Stainless Steel, Add</i>	37.92	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0048	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	71.69	
			<i>For Class 1 Mill Galvanized, Add</i>	3.89	
			<i>For Class 2 Mill Galvanized, Add</i>	5.84	
			<i>For Hot-Dipped Galvanized, Add</i>	9.73	
			<i>For Stainless Steel, Add</i>	38.92	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0049	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	76.56	
			<i>For Class 1 Mill Galvanized, Add</i>	4.12	
			<i>For Class 2 Mill Galvanized, Add</i>	6.17	
			<i>For Hot-Dipped Galvanized, Add</i>	10.29	
			<i>For Stainless Steel, Add</i>	41.16	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0050	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	80.90	
			<i>For Class 1 Mill Galvanized, Add</i>	4.31	
			<i>For Class 2 Mill Galvanized, Add</i>	6.47	
			<i>For Hot-Dipped Galvanized, Add</i>	10.79	
			<i>For Stainless Steel, Add</i>	43.14	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0051			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0034)</small>		
04 05 19 13-0052	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	56.29	
			<i>For Class 1 Mill Galvanized, Add</i>	3.74	
			<i>For Class 2 Mill Galvanized, Add</i>	5.61	
			<i>For Hot-Dipped Galvanized, Add</i>	9.35	
			<i>For Stainless Steel, Add</i>	37.38	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0053	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	62.10	
			<i>For Class 1 Mill Galvanized, Add</i>	4.06	
			<i>For Class 2 Mill Galvanized, Add</i>	6.10	
			<i>For Hot-Dipped Galvanized, Add</i>	10.16	
			<i>For Stainless Steel, Add</i>	40.64	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0054	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	67.87	
			<i>For Class 1 Mill Galvanized, Add</i>	4.38	
			<i>For Class 2 Mill Galvanized, Add</i>	6.57	
			<i>For Hot-Dipped Galvanized, Add</i>	10.96	
			<i>For Stainless Steel, Add</i>	43.82	
			<i>For Cavity Drip, Add</i>	0.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0055 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	72.90	
<i>For Class 1 Mill Galvanized, Add</i>	4.55	
<i>For Class 2 Mill Galvanized, Add</i>	6.83	
<i>For Hot-Dipped Galvanized, Add</i>	11.38	
<i>For Stainless Steel, Add</i>	45.52	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0056 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	75.77	
<i>For Class 1 Mill Galvanized, Add</i>	4.71	
<i>For Class 2 Mill Galvanized, Add</i>	7.06	
<i>For Hot-Dipped Galvanized, Add</i>	11.77	
<i>For Stainless Steel, Add</i>	47.08	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0057 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	81.18	
<i>For Class 1 Mill Galvanized, Add</i>	5.04	
<i>For Class 2 Mill Galvanized, Add</i>	7.56	
<i>For Hot-Dipped Galvanized, Add</i>	12.60	
<i>For Stainless Steel, Add</i>	50.40	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0058 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	86.16	
<i>For Class 1 Mill Galvanized, Add</i>	5.37	
<i>For Class 2 Mill Galvanized, Add</i>	8.05	
<i>For Hot-Dipped Galvanized, Add</i>	13.42	
<i>For Stainless Steel, Add</i>	53.66	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0059 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0060 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0061 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	62.00	
<i>For Class 1 Mill Galvanized, Add</i>	4.88	
<i>For Class 2 Mill Galvanized, Add</i>	7.32	
<i>For Hot-Dipped Galvanized, Add</i>	12.20	
<i>For Stainless Steel, Add</i>	48.80	
04 05 19 13-0062 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	66.93	
<i>For Class 1 Mill Galvanized, Add</i>	5.03	
<i>For Class 2 Mill Galvanized, Add</i>	7.55	
<i>For Hot-Dipped Galvanized, Add</i>	12.58	
<i>For Stainless Steel, Add</i>	50.30	
04 05 19 13-0063 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	71.86	
<i>For Class 1 Mill Galvanized, Add</i>	5.18	
<i>For Class 2 Mill Galvanized, Add</i>	7.77	
<i>For Hot-Dipped Galvanized, Add</i>	12.95	
<i>For Stainless Steel, Add</i>	51.80	
04 05 19 13-0064 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	78.97	
<i>For Class 1 Mill Galvanized, Add</i>	5.35	
<i>For Class 2 Mill Galvanized, Add</i>	8.02	
<i>For Hot-Dipped Galvanized, Add</i>	13.37	
<i>For Stainless Steel, Add</i>	53.48	
04 05 19 13-0065 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	83.56	
<i>For Class 1 Mill Galvanized, Add</i>	5.52	
<i>For Class 2 Mill Galvanized, Add</i>	8.27	
<i>For Hot-Dipped Galvanized, Add</i>	13.79	
<i>For Stainless Steel, Add</i>	55.16	
04 05 19 13-0066 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	88.19	
<i>For Class 1 Mill Galvanized, Add</i>	5.77	
<i>For Class 2 Mill Galvanized, Add</i>	8.66	
<i>For Hot-Dipped Galvanized, Add</i>	14.43	
<i>For Stainless Steel, Add</i>	57.72	
04 05 19 13-0067 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0068 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	69.43	
<i>For Class 1 Mill Galvanized, Add</i>	6.37	
<i>For Class 2 Mill Galvanized, Add</i>	9.55	
<i>For Hot-Dipped Galvanized, Add</i>	15.92	
<i>For Stainless Steel, Add</i>	63.66	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	74.36	
			<i>For Class 1 Mill Galvanized, Add</i>	6.52	
			<i>For Class 2 Mill Galvanized, Add</i>	9.77	
			<i>For Hot-Dipped Galvanized, Add</i>	16.29	
			<i>For Stainless Steel, Add</i>	65.16	
04 05 19 13-0070	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	79.39	
			<i>For Class 1 Mill Galvanized, Add</i>	6.69	
			<i>For Class 2 Mill Galvanized, Add</i>	10.03	
			<i>For Hot-Dipped Galvanized, Add</i>	16.72	
			<i>For Stainless Steel, Add</i>	66.86	
04 05 19 13-0071	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	86.41	
			<i>For Class 1 Mill Galvanized, Add</i>	6.84	
			<i>For Class 2 Mill Galvanized, Add</i>	10.25	
			<i>For Hot-Dipped Galvanized, Add</i>	17.09	
			<i>For Stainless Steel, Add</i>	68.36	
04 05 19 13-0072	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	91.01	
			<i>For Class 1 Mill Galvanized, Add</i>	7.01	
			<i>For Class 2 Mill Galvanized, Add</i>	10.51	
			<i>For Hot-Dipped Galvanized, Add</i>	17.52	
			<i>For Stainless Steel, Add</i>	70.06	
04 05 19 13-0073	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	95.21	
			<i>For Class 1 Mill Galvanized, Add</i>	7.18	
			<i>For Class 2 Mill Galvanized, Add</i>	10.76	
			<i>For Hot-Dipped Galvanized, Add</i>	17.94	
			<i>For Stainless Steel, Add</i>	71.76	
04 05 19 13-0074			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0075	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	69.97	
			<i>For Class 1 Mill Galvanized, Add</i>	6.47	
			<i>For Class 2 Mill Galvanized, Add</i>	9.71	
			<i>For Hot-Dipped Galvanized, Add</i>	16.19	
			<i>For Stainless Steel, Add</i>	64.74	
04 05 19 13-0076	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	75.32	
			<i>For Class 1 Mill Galvanized, Add</i>	6.71	
			<i>For Class 2 Mill Galvanized, Add</i>	10.06	
			<i>For Hot-Dipped Galvanized, Add</i>	16.77	
			<i>For Stainless Steel, Add</i>	67.08	
04 05 19 13-0077	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	80.65	
			<i>For Class 1 Mill Galvanized, Add</i>	6.94	
			<i>For Class 2 Mill Galvanized, Add</i>	10.41	
			<i>For Hot-Dipped Galvanized, Add</i>	17.35	
			<i>For Stainless Steel, Add</i>	69.38	
04 05 19 13-0078	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	88.32	
			<i>For Class 1 Mill Galvanized, Add</i>	7.22	
			<i>For Class 2 Mill Galvanized, Add</i>	10.83	
			<i>For Hot-Dipped Galvanized, Add</i>	18.05	
			<i>For Stainless Steel, Add</i>	72.18	
04 05 19 13-0079	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	93.45	
			<i>For Class 1 Mill Galvanized, Add</i>	7.49	
			<i>For Class 2 Mill Galvanized, Add</i>	11.24	
			<i>For Hot-Dipped Galvanized, Add</i>	18.74	
			<i>For Stainless Steel, Add</i>	74.94	
04 05 19 13-0080	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	98.18	
			<i>For Class 1 Mill Galvanized, Add</i>	7.77	
			<i>For Class 2 Mill Galvanized, Add</i>	11.66	
			<i>For Hot-Dipped Galvanized, Add</i>	19.43	
			<i>For Stainless Steel, Add</i>	77.70	
04 05 19 13-0081			Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0082			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0081)</small>		
04 05 19 13-0083	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	67.57	
			<i>For Class 1 Mill Galvanized, Add</i>	5.16	
			<i>For Class 2 Mill Galvanized, Add</i>	7.74	
			<i>For Hot-Dipped Galvanized, Add</i>	12.90	
			<i>For Stainless Steel, Add</i>	51.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0084 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	72.48	
<i>For Class 1 Mill Galvanized, Add</i>	5.30	
<i>For Class 2 Mill Galvanized, Add</i>	7.96	
<i>For Hot-Dipped Galvanized, Add</i>	13.26	
<i>For Stainless Steel, Add</i>	53.04	
04 05 19 13-0085 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	79.49	
<i>For Class 1 Mill Galvanized, Add</i>	5.45	
<i>For Class 2 Mill Galvanized, Add</i>	8.18	
<i>For Hot-Dipped Galvanized, Add</i>	13.63	
<i>For Stainless Steel, Add</i>	54.52	
04 05 19 13-0086 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	84.11	
<i>For Class 1 Mill Galvanized, Add</i>	5.63	
<i>For Class 2 Mill Galvanized, Add</i>	8.44	
<i>For Hot-Dipped Galvanized, Add</i>	14.07	
<i>For Stainless Steel, Add</i>	56.26	
04 05 19 13-0087 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	88.30	
<i>For Class 1 Mill Galvanized, Add</i>	5.79	
<i>For Class 2 Mill Galvanized, Add</i>	8.69	
<i>For Hot-Dipped Galvanized, Add</i>	14.49	
<i>For Stainless Steel, Add</i>	57.94	
04 05 19 13-0088 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	92.31	
<i>For Class 1 Mill Galvanized, Add</i>	6.13	
<i>For Class 2 Mill Galvanized, Add</i>	9.20	
<i>For Hot-Dipped Galvanized, Add</i>	15.33	
<i>For Stainless Steel, Add</i>	61.32	
04 05 19 13-0089 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0081)</small>		
04 05 19 13-0090 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	75.00	
<i>For Class 1 Mill Galvanized, Add</i>	6.64	
<i>For Class 2 Mill Galvanized, Add</i>	9.97	
<i>For Hot-Dipped Galvanized, Add</i>	16.61	
<i>For Stainless Steel, Add</i>	66.44	
04 05 19 13-0091 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	79.93	
<i>For Class 1 Mill Galvanized, Add</i>	6.79	
<i>For Class 2 Mill Galvanized, Add</i>	10.19	
<i>For Hot-Dipped Galvanized, Add</i>	16.99	
<i>For Stainless Steel, Add</i>	67.94	
04 05 19 13-0092 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	87.04	
<i>For Class 1 Mill Galvanized, Add</i>	6.96	
<i>For Class 2 Mill Galvanized, Add</i>	10.44	
<i>For Hot-Dipped Galvanized, Add</i>	17.41	
<i>For Stainless Steel, Add</i>	69.62	
04 05 19 13-0093 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	91.53	
<i>For Class 1 Mill Galvanized, Add</i>	7.11	
<i>For Class 2 Mill Galvanized, Add</i>	10.67	
<i>For Hot-Dipped Galvanized, Add</i>	17.78	
<i>For Stainless Steel, Add</i>	71.10	
04 05 19 13-0094 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	95.73	
<i>For Class 1 Mill Galvanized, Add</i>	7.28	
<i>For Class 2 Mill Galvanized, Add</i>	10.92	
<i>For Hot-Dipped Galvanized, Add</i>	18.20	
<i>For Stainless Steel, Add</i>	72.80	
04 05 19 13-0095 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	99.84	
<i>For Class 1 Mill Galvanized, Add</i>	7.64	
<i>For Class 2 Mill Galvanized, Add</i>	11.46	
<i>For Hot-Dipped Galvanized, Add</i>	19.10	
<i>For Stainless Steel, Add</i>	76.38	
04 05 19 13-0096 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0081)</small>		
04 05 19 13-0097 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	75.53	
<i>For Class 1 Mill Galvanized, Add</i>	6.75	
<i>For Class 2 Mill Galvanized, Add</i>	10.13	
<i>For Hot-Dipped Galvanized, Add</i>	16.88	
<i>For Stainless Steel, Add</i>	67.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0098 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	80.87	
For Class 1 Mill Galvanized, Add	6.98	
For Class 2 Mill Galvanized, Add	10.47	
For Hot-Dipped Galvanized, Add	17.46	
For Stainless Steel, Add	69.82	
04 05 19 13-0099 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	88.32	
For Class 1 Mill Galvanized, Add	7.22	
For Class 2 Mill Galvanized, Add	10.83	
For Hot-Dipped Galvanized, Add	18.05	
For Stainless Steel, Add	72.18	
04 05 19 13-0100 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	93.45	
For Class 1 Mill Galvanized, Add	7.49	
For Class 2 Mill Galvanized, Add	11.24	
For Hot-Dipped Galvanized, Add	18.74	
For Stainless Steel, Add	74.94	
04 05 19 13-0101 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	98.18	
For Class 1 Mill Galvanized, Add	7.77	
For Class 2 Mill Galvanized, Add	11.66	
For Hot-Dipped Galvanized, Add	19.43	
For Stainless Steel, Add	77.70	
04 05 19 13-0102 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	102.47	
For Class 1 Mill Galvanized, Add	8.16	
For Class 2 Mill Galvanized, Add	12.25	
For Hot-Dipped Galvanized, Add	20.41	
For Stainless Steel, Add	81.64	
04 05 19 13-0103 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0104 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0103)		
04 05 19 13-0105 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	65.12	
For Class 1 Mill Galvanized, Add	4.67	
For Class 2 Mill Galvanized, Add	7.00	
For Hot-Dipped Galvanized, Add	11.67	
For Stainless Steel, Add	46.68	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0106 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	69.91	
For Class 1 Mill Galvanized, Add	4.79	
For Class 2 Mill Galvanized, Add	7.19	
For Hot-Dipped Galvanized, Add	11.98	
For Stainless Steel, Add	47.90	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0107 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	76.83	
For Class 1 Mill Galvanized, Add	4.92	
For Class 2 Mill Galvanized, Add	7.38	
For Hot-Dipped Galvanized, Add	12.30	
For Stainless Steel, Add	49.20	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0108 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	81.27	
For Class 1 Mill Galvanized, Add	5.06	
For Class 2 Mill Galvanized, Add	7.59	
For Hot-Dipped Galvanized, Add	12.65	
For Stainless Steel, Add	50.58	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0109 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	85.35	
For Class 1 Mill Galvanized, Add	5.20	
For Class 2 Mill Galvanized, Add	7.81	
For Hot-Dipped Galvanized, Add	13.01	
For Stainless Steel, Add	52.04	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0110 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	88.32	
For Class 1 Mill Galvanized, Add	5.33	
For Class 2 Mill Galvanized, Add	8.00	
For Hot-Dipped Galvanized, Add	13.34	
For Stainless Steel, Add	53.34	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0111 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0103)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0112 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	72.09	
<i>For Class 1 Mill Galvanized, Add</i>	6.06	
<i>For Class 2 Mill Galvanized, Add</i>	9.09	
<i>For Hot-Dipped Galvanized, Add</i>	15.16	
<i>For Stainless Steel, Add</i>	60.62	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0113 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	76.75	
<i>For Class 1 Mill Galvanized, Add</i>	6.16	
<i>For Class 2 Mill Galvanized, Add</i>	9.24	
<i>For Hot-Dipped Galvanized, Add</i>	15.40	
<i>For Stainless Steel, Add</i>	61.58	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0114 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	83.69	
<i>For Class 1 Mill Galvanized, Add</i>	6.29	
<i>For Class 2 Mill Galvanized, Add</i>	9.44	
<i>For Hot-Dipped Galvanized, Add</i>	15.73	
<i>For Stainless Steel, Add</i>	62.92	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0115 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	88.09	
<i>For Class 1 Mill Galvanized, Add</i>	6.42	
<i>For Class 2 Mill Galvanized, Add</i>	9.63	
<i>For Hot-Dipped Galvanized, Add</i>	16.06	
<i>For Stainless Steel, Add</i>	64.22	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0116 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	92.09	
<i>For Class 1 Mill Galvanized, Add</i>	6.55	
<i>For Class 2 Mill Galvanized, Add</i>	9.83	
<i>For Hot-Dipped Galvanized, Add</i>	16.38	
<i>For Stainless Steel, Add</i>	65.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0117 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	95.82	
<i>For Class 1 Mill Galvanized, Add</i>	6.83	
<i>For Class 2 Mill Galvanized, Add</i>	10.25	
<i>For Hot-Dipped Galvanized, Add</i>	17.09	
<i>For Stainless Steel, Add</i>	68.34	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0118 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0103)		
04 05 19 13-0119 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	72.61	
<i>For Class 1 Mill Galvanized, Add</i>	6.17	
<i>For Class 2 Mill Galvanized, Add</i>	9.25	
<i>For Hot-Dipped Galvanized, Add</i>	15.42	
<i>For Stainless Steel, Add</i>	61.66	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0120 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	77.90	
<i>For Class 1 Mill Galvanized, Add</i>	6.39	
<i>For Class 2 Mill Galvanized, Add</i>	9.58	
<i>For Hot-Dipped Galvanized, Add</i>	15.97	
<i>For Stainless Steel, Add</i>	63.88	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0121 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	85.27	
<i>For Class 1 Mill Galvanized, Add</i>	6.61	
<i>For Class 2 Mill Galvanized, Add</i>	9.91	
<i>For Hot-Dipped Galvanized, Add</i>	16.52	
<i>For Stainless Steel, Add</i>	66.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0122 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	90.35	
<i>For Class 1 Mill Galvanized, Add</i>	6.87	
<i>For Class 2 Mill Galvanized, Add</i>	10.31	
<i>For Hot-Dipped Galvanized, Add</i>	17.19	
<i>For Stainless Steel, Add</i>	68.74	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0123 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	95.02	
<i>For Class 1 Mill Galvanized, Add</i>	7.14	
<i>For Class 2 Mill Galvanized, Add</i>	10.71	
<i>For Hot-Dipped Galvanized, Add</i>	17.85	
<i>For Stainless Steel, Add</i>	71.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0124	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	98.65	
			<i>For Class 1 Mill Galvanized, Add</i>	7.40	
			<i>For Class 2 Mill Galvanized, Add</i>	11.10	
			<i>For Hot-Dipped Galvanized, Add</i>	18.50	
			<i>For Stainless Steel, Add</i>	74.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0125			Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0126			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0127	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	70.69	
			<i>For Class 1 Mill Galvanized, Add</i>	4.95	
			<i>For Class 2 Mill Galvanized, Add</i>	7.42	
			<i>For Hot-Dipped Galvanized, Add</i>	12.37	
			<i>For Stainless Steel, Add</i>	49.46	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0128	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	77.56	
			<i>For Class 1 Mill Galvanized, Add</i>	5.07	
			<i>For Class 2 Mill Galvanized, Add</i>	7.60	
			<i>For Hot-Dipped Galvanized, Add</i>	12.67	
			<i>For Stainless Steel, Add</i>	50.66	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0129	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	81.90	
			<i>For Class 1 Mill Galvanized, Add</i>	5.18	
			<i>For Class 2 Mill Galvanized, Add</i>	7.78	
			<i>For Hot-Dipped Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	51.84	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0130	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	86.02	
			<i>For Class 1 Mill Galvanized, Add</i>	5.34	
			<i>For Class 2 Mill Galvanized, Add</i>	8.01	
			<i>For Hot-Dipped Galvanized, Add</i>	13.35	
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0131	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	89.03	
			<i>For Class 1 Mill Galvanized, Add</i>	5.48	
			<i>For Class 2 Mill Galvanized, Add</i>	8.21	
			<i>For Hot-Dipped Galvanized, Add</i>	13.69	
			<i>For Stainless Steel, Add</i>	54.76	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0132			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0133	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	77.41	
			<i>For Class 1 Mill Galvanized, Add</i>	6.29	
			<i>For Class 2 Mill Galvanized, Add</i>	9.44	
			<i>For Hot-Dipped Galvanized, Add</i>	15.73	
			<i>For Stainless Steel, Add</i>	62.90	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0134	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	84.33	
			<i>For Class 1 Mill Galvanized, Add</i>	6.42	
			<i>For Class 2 Mill Galvanized, Add</i>	9.63	
			<i>For Hot-Dipped Galvanized, Add</i>	16.05	
			<i>For Stainless Steel, Add</i>	64.20	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0135	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	88.77	
			<i>For Class 1 Mill Galvanized, Add</i>	6.56	
			<i>For Class 2 Mill Galvanized, Add</i>	9.84	
			<i>For Hot-Dipped Galvanized, Add</i>	16.40	
			<i>For Stainless Steel, Add</i>	65.58	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0136	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	92.68	
			<i>For Class 1 Mill Galvanized, Add</i>	6.67	
			<i>For Class 2 Mill Galvanized, Add</i>	10.01	
			<i>For Hot-Dipped Galvanized, Add</i>	16.68	
			<i>For Stainless Steel, Add</i>	66.70	
			<i>For Seismic Hook And Eye, Add</i>	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0137 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	95.75	
<i>For Class 1 Mill Galvanized, Add</i>	6.82	
<i>For Class 2 Mill Galvanized, Add</i>	10.23	
<i>For Hot-Dipped Galvanized, Add</i>	17.05	
<i>For Stainless Steel, Add</i>	68.20	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0138 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0139 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	78.10	
<i>For Class 1 Mill Galvanized, Add</i>	6.43	
<i>For Class 2 Mill Galvanized, Add</i>	9.64	
<i>For Hot-Dipped Galvanized, Add</i>	16.07	
<i>For Stainless Steel, Add</i>	64.28	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0140 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	85.48	
<i>For Class 1 Mill Galvanized, Add</i>	6.65	
<i>For Class 2 Mill Galvanized, Add</i>	9.98	
<i>For Hot-Dipped Galvanized, Add</i>	16.63	
<i>For Stainless Steel, Add</i>	66.50	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0141 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	90.35	
<i>For Class 1 Mill Galvanized, Add</i>	6.87	
<i>For Class 2 Mill Galvanized, Add</i>	10.31	
<i>For Hot-Dipped Galvanized, Add</i>	17.19	
<i>For Stainless Steel, Add</i>	68.74	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0142 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	95.02	
<i>For Class 1 Mill Galvanized, Add</i>	7.14	
<i>For Class 2 Mill Galvanized, Add</i>	10.71	
<i>For Hot-Dipped Galvanized, Add</i>	17.85	
<i>For Stainless Steel, Add</i>	71.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0143 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	98.65	
<i>For Class 1 Mill Galvanized, Add</i>	7.40	
<i>For Class 2 Mill Galvanized, Add</i>	11.10	
<i>For Hot-Dipped Galvanized, Add</i>	18.50	
<i>For Stainless Steel, Add</i>	74.00	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0144 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0145 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0146 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0145)</small>		
04 05 19 13-0147 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	38.69	
<i>For Class 1 Mill Galvanized, Add</i>	1.94	
<i>For Class 2 Mill Galvanized, Add</i>	2.92	
<i>For Hot-Dipped Galvanized, Add</i>	4.86	
<i>For Stainless Steel, Add</i>	19.44	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0148 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	40.77	
<i>For Class 1 Mill Galvanized, Add</i>	1.97	
<i>For Class 2 Mill Galvanized, Add</i>	2.95	
<i>For Hot-Dipped Galvanized, Add</i>	4.92	
<i>For Stainless Steel, Add</i>	19.66	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0149 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	43.98	
<i>For Class 1 Mill Galvanized, Add</i>	2.04	
<i>For Class 2 Mill Galvanized, Add</i>	3.07	
<i>For Hot-Dipped Galvanized, Add</i>	5.11	
<i>For Stainless Steel, Add</i>	20.44	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0150	CLF	#10	(For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	47.85	
			<i>For Class 1 Mill Galvanized, Add</i>	2.14	
			<i>For Class 2 Mill Galvanized, Add</i>	3.22	
			<i>For Hot-Dipped Galvanized, Add</i>	5.36	
			<i>For Stainless Steel, Add</i>	21.44	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0151	CLF	#12	(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	52.55	
			<i>For Class 1 Mill Galvanized, Add</i>	2.26	
			<i>For Class 2 Mill Galvanized, Add</i>	3.39	
			<i>For Hot-Dipped Galvanized, Add</i>	5.65	
			<i>For Stainless Steel, Add</i>	22.58	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0152	CLF	#13	(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	56.15	
			<i>For Class 1 Mill Galvanized, Add</i>	2.32	
			<i>For Class 2 Mill Galvanized, Add</i>	3.48	
			<i>For Hot-Dipped Galvanized, Add</i>	5.80	
			<i>For Stainless Steel, Add</i>	23.18	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0153	CLF	#14	(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	58.45	
			<i>For Class 1 Mill Galvanized, Add</i>	2.41	
			<i>For Class 2 Mill Galvanized, Add</i>	3.61	
			<i>For Hot-Dipped Galvanized, Add</i>	6.02	
			<i>For Stainless Steel, Add</i>	24.06	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0154	CLF	#16	(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	66.66	
			<i>For Class 1 Mill Galvanized, Add</i>	3.38	
			<i>For Class 2 Mill Galvanized, Add</i>	5.07	
			<i>For Hot-Dipped Galvanized, Add</i>	8.45	
			<i>For Stainless Steel, Add</i>	33.80	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0155	CLF	#18	(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	70.59	
			<i>For Class 1 Mill Galvanized, Add</i>	3.57	
			<i>For Class 2 Mill Galvanized, Add</i>	5.36	
			<i>For Hot-Dipped Galvanized, Add</i>	8.94	
			<i>For Stainless Steel, Add</i>	35.74	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0156	CLF	#20	(For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.36	
			<i>For Class 1 Mill Galvanized, Add</i>	6.18	
			<i>For Class 2 Mill Galvanized, Add</i>	9.27	
			<i>For Hot-Dipped Galvanized, Add</i>	15.46	
			<i>For Stainless Steel, Add</i>	61.82	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0157			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0145)</small>		
04 05 19 13-0158	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	42.45	
			<i>For Class 1 Mill Galvanized, Add</i>	2.70	
			<i>For Class 2 Mill Galvanized, Add</i>	4.04	
			<i>For Hot-Dipped Galvanized, Add</i>	6.74	
			<i>For Stainless Steel, Add</i>	26.96	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0159	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	44.61	
			<i>For Class 1 Mill Galvanized, Add</i>	2.73	
			<i>For Class 2 Mill Galvanized, Add</i>	4.10	
			<i>For Hot-Dipped Galvanized, Add</i>	6.84	
			<i>For Stainless Steel, Add</i>	27.34	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0160 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	47.82	
<i>For Class 1 Mill Galvanized, Add</i>	2.81	
<i>For Class 2 Mill Galvanized, Add</i>	4.22	
<i>For Hot-Dipped Galvanized, Add</i>	7.03	
<i>For Stainless Steel, Add</i>	28.12	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0161 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	51.68	
<i>For Class 1 Mill Galvanized, Add</i>	2.91	
<i>For Class 2 Mill Galvanized, Add</i>	4.37	
<i>For Hot-Dipped Galvanized, Add</i>	7.28	
<i>For Stainless Steel, Add</i>	29.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0162 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	56.33	
<i>For Class 1 Mill Galvanized, Add</i>	3.01	
<i>For Class 2 Mill Galvanized, Add</i>	4.52	
<i>For Hot-Dipped Galvanized, Add</i>	7.54	
<i>For Stainless Steel, Add</i>	30.14	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0163 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	59.97	
<i>For Class 1 Mill Galvanized, Add</i>	3.08	
<i>For Class 2 Mill Galvanized, Add</i>	4.63	
<i>For Hot-Dipped Galvanized, Add</i>	7.71	
<i>For Stainless Steel, Add</i>	30.84	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0164 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	62.22	
<i>For Class 1 Mill Galvanized, Add</i>	3.16	
<i>For Class 2 Mill Galvanized, Add</i>	4.74	
<i>For Hot-Dipped Galvanized, Add</i>	7.90	
<i>For Stainless Steel, Add</i>	31.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0165 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.73	
<i>For Class 1 Mill Galvanized, Add</i>	4.39	
<i>For Class 2 Mill Galvanized, Add</i>	6.59	
<i>For Hot-Dipped Galvanized, Add</i>	10.99	
<i>For Stainless Steel, Add</i>	43.94	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0166 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	75.65	
<i>For Class 1 Mill Galvanized, Add</i>	4.59	
<i>For Class 2 Mill Galvanized, Add</i>	6.88	
<i>For Hot-Dipped Galvanized, Add</i>	11.47	
<i>For Stainless Steel, Add</i>	45.86	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0167 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.04	
<i>For Class 1 Mill Galvanized, Add</i>	8.66	
<i>For Class 2 Mill Galvanized, Add</i>	13.00	
<i>For Hot-Dipped Galvanized, Add</i>	21.66	
<i>For Stainless Steel, Add</i>	86.64	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0168 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		
<small>(04 05 19 13-0145)</small>		
04 05 19 13-0169 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	48.21	
<i>For Class 1 Mill Galvanized, Add</i>	3.85	
<i>For Class 2 Mill Galvanized, Add</i>	5.77	
<i>For Hot-Dipped Galvanized, Add</i>	9.62	
<i>For Stainless Steel, Add</i>	38.48	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0170 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	50.68	
For Class 1 Mill Galvanized, Add	3.90	
For Class 2 Mill Galvanized, Add	5.84	
For Hot-Dipped Galvanized, Add	9.74	
For Stainless Steel, Add	38.96	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0171 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	53.62	
For Class 1 Mill Galvanized, Add	4.04	
For Class 2 Mill Galvanized, Add	6.06	
For Hot-Dipped Galvanized, Add	10.10	
For Stainless Steel, Add	40.38	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0172 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	58.30	
For Class 1 Mill Galvanized, Add	4.23	
For Class 2 Mill Galvanized, Add	6.35	
For Hot-Dipped Galvanized, Add	10.59	
For Stainless Steel, Add	42.34	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0173 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	63.24	
For Class 1 Mill Galvanized, Add	4.48	
For Class 2 Mill Galvanized, Add	6.72	
For Hot-Dipped Galvanized, Add	11.20	
For Stainless Steel, Add	44.78	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0174 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	67.50	
For Class 1 Mill Galvanized, Add	4.59	
For Class 2 Mill Galvanized, Add	6.88	
For Hot-Dipped Galvanized, Add	11.47	
For Stainless Steel, Add	45.88	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0175 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	70.19	
For Class 1 Mill Galvanized, Add	4.75	
For Class 2 Mill Galvanized, Add	7.13	
For Hot-Dipped Galvanized, Add	11.89	
For Stainless Steel, Add	47.54	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0176 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	83.14	
For Class 1 Mill Galvanized, Add	6.67	
For Class 2 Mill Galvanized, Add	10.01	
For Hot-Dipped Galvanized, Add	16.69	
For Stainless Steel, Add	66.74	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0177 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.99	
For Class 1 Mill Galvanized, Add	7.05	
For Class 2 Mill Galvanized, Add	10.58	
For Hot-Dipped Galvanized, Add	17.63	
For Stainless Steel, Add	70.52	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0178 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.41	
For Class 1 Mill Galvanized, Add	12.19	
For Class 2 Mill Galvanized, Add	18.29	
For Hot-Dipped Galvanized, Add	30.48	
For Stainless Steel, Add	121.92	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	

04 05 19 13-0179 Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0144)

04 05 19 13-0180 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry
Wall Reinforcement (04 05 19 13-0179)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0181 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	52.84	
<i>For Class 1 Mill Galvanized, Add</i>	3.05	
<i>For Class 2 Mill Galvanized, Add</i>	4.57	
<i>For Hot-Dipped Galvanized, Add</i>	7.62	
<i>For Stainless Steel, Add</i>	30.48	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0182 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	57.75	
<i>For Class 1 Mill Galvanized, Add</i>	3.19	
<i>For Class 2 Mill Galvanized, Add</i>	4.79	
<i>For Hot-Dipped Galvanized, Add</i>	7.99	
<i>For Stainless Steel, Add</i>	31.94	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0183 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	62.86	
<i>For Class 1 Mill Galvanized, Add</i>	3.38	
<i>For Class 2 Mill Galvanized, Add</i>	5.07	
<i>For Hot-Dipped Galvanized, Add</i>	8.45	
<i>For Stainless Steel, Add</i>	33.80	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0184 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	67.69	
<i>For Class 1 Mill Galvanized, Add</i>	3.51	
<i>For Class 2 Mill Galvanized, Add</i>	5.27	
<i>For Hot-Dipped Galvanized, Add</i>	8.78	
<i>For Stainless Steel, Add</i>	35.10	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0185 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	70.31	
<i>For Class 1 Mill Galvanized, Add</i>	3.62	
<i>For Class 2 Mill Galvanized, Add</i>	5.42	
<i>For Hot-Dipped Galvanized, Add</i>	9.04	
<i>For Stainless Steel, Add</i>	36.16	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0186 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	75.35	
<i>For Class 1 Mill Galvanized, Add</i>	3.87	
<i>For Class 2 Mill Galvanized, Add</i>	5.81	
<i>For Hot-Dipped Galvanized, Add</i>	9.69	
<i>For Stainless Steel, Add</i>	38.74	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0187 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	79.99	
<i>For Class 1 Mill Galvanized, Add</i>	4.13	
<i>For Class 2 Mill Galvanized, Add</i>	6.20	
<i>For Hot-Dipped Galvanized, Add</i>	10.33	
<i>For Stainless Steel, Add</i>	41.32	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0188 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement <small>(04 05 19 13-0179)</small>		
04 05 19 13-0189 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall		
Reinforcement	57.58	
<i>For Class 1 Mill Galvanized, Add</i>	4.00	
<i>For Class 2 Mill Galvanized, Add</i>	5.99	
<i>For Hot-Dipped Galvanized, Add</i>	9.99	
<i>For Stainless Steel, Add</i>	39.96	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0190 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	62.51	
<i>For Class 1 Mill Galvanized, Add</i>	4.15	
<i>For Class 2 Mill Galvanized, Add</i>	6.22	
<i>For Hot-Dipped Galvanized, Add</i>	10.37	
<i>For Stainless Steel, Add</i>	41.46	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0191 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	67.60	
<i>For Class 1 Mill Galvanized, Add</i>	4.33	
<i>For Class 2 Mill Galvanized, Add</i>	6.49	
<i>For Hot-Dipped Galvanized, Add</i>	10.82	
<i>For Stainless Steel, Add</i>	43.28	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0192 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	72.43	
<i>For Class 1 Mill Galvanized, Add</i>	4.46	
<i>For Class 2 Mill Galvanized, Add</i>	6.69	
<i>For Hot-Dipped Galvanized, Add</i>	11.15	
<i>For Stainless Steel, Add</i>	44.58	
<i>For Cavity Drip, Add</i>	0.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0193 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	75.03	
For Class 1 Mill Galvanized, Add	4.56	
For Class 2 Mill Galvanized, Add	6.84	
For Hot-Dipped Galvanized, Add	11.40	
For Stainless Steel, Add	45.60	
For Cavity Drip, Add	0.50	
04 05 19 13-0194 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	80.08	
For Class 1 Mill Galvanized, Add	4.82	
For Class 2 Mill Galvanized, Add	7.23	
For Hot-Dipped Galvanized, Add	12.05	
For Stainless Steel, Add	48.20	
For Cavity Drip, Add	0.50	
04 05 19 13-0195 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	84.74	
For Class 1 Mill Galvanized, Add	5.08	
For Class 2 Mill Galvanized, Add	7.62	
For Hot-Dipped Galvanized, Add	12.71	
For Stainless Steel, Add	50.82	
For Cavity Drip, Add	0.50	
04 05 19 13-0196 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0179)		
04 05 19 13-0197 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	61.98	
For Class 1 Mill Galvanized, Add	4.88	
For Class 2 Mill Galvanized, Add	7.31	
For Hot-Dipped Galvanized, Add	12.19	
For Stainless Steel, Add	48.76	
For Cavity Drip, Add	0.50	
04 05 19 13-0198 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	67.32	
For Class 1 Mill Galvanized, Add	5.11	
For Class 2 Mill Galvanized, Add	7.66	
For Hot-Dipped Galvanized, Add	12.77	
For Stainless Steel, Add	51.08	
For Cavity Drip, Add	0.50	
04 05 19 13-0199 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	73.08	
For Class 1 Mill Galvanized, Add	5.42	
For Class 2 Mill Galvanized, Add	8.14	
For Hot-Dipped Galvanized, Add	13.56	
For Stainless Steel, Add	54.24	
For Cavity Drip, Add	0.50	
04 05 19 13-0200 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	78.12	
For Class 1 Mill Galvanized, Add	5.60	
For Class 2 Mill Galvanized, Add	8.39	
For Hot-Dipped Galvanized, Add	13.99	
For Stainless Steel, Add	55.96	
For Cavity Drip, Add	0.50	
04 05 19 13-0201 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	81.07	
For Class 1 Mill Galvanized, Add	5.77	
For Class 2 Mill Galvanized, Add	8.65	
For Hot-Dipped Galvanized, Add	14.42	
For Stainless Steel, Add	57.68	
For Cavity Drip, Add	0.50	
04 05 19 13-0202 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	86.77	
For Class 1 Mill Galvanized, Add	6.16	
For Class 2 Mill Galvanized, Add	9.24	
For Hot-Dipped Galvanized, Add	15.40	
For Stainless Steel, Add	61.58	
For Cavity Drip, Add	0.50	
04 05 19 13-0203 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	91.72	
For Class 1 Mill Galvanized, Add	6.48	
For Class 2 Mill Galvanized, Add	9.72	
For Hot-Dipped Galvanized, Add	16.20	
For Stainless Steel, Add	64.78	
For Cavity Drip, Add	0.50	
04 05 19 13-0204 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0144)		
04 05 19 13-0205 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0204)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0206 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	67.63	
For Class 1 Mill Galvanized, Add	6.01	
For Class 2 Mill Galvanized, Add	9.01	
For Hot-Dipped Galvanized, Add	15.02	
For Stainless Steel, Add	60.06	
04 05 19 13-0207 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	72.02	
For Class 1 Mill Galvanized, Add	6.05	
For Class 2 Mill Galvanized, Add	9.07	
For Hot-Dipped Galvanized, Add	15.12	
For Stainless Steel, Add	60.48	
04 05 19 13-0208 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	76.94	
For Class 1 Mill Galvanized, Add	6.20	
For Class 2 Mill Galvanized, Add	9.29	
For Hot-Dipped Galvanized, Add	15.49	
For Stainless Steel, Add	61.96	
04 05 19 13-0209 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	84.18	
For Class 1 Mill Galvanized, Add	6.39	
For Class 2 Mill Galvanized, Add	9.59	
For Hot-Dipped Galvanized, Add	15.98	
For Stainless Steel, Add	63.90	
04 05 19 13-0210 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	89.09	
For Class 1 Mill Galvanized, Add	6.62	
For Class 2 Mill Galvanized, Add	9.93	
For Hot-Dipped Galvanized, Add	16.56	
For Stainless Steel, Add	66.22	
04 05 19 13-0211 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	93.84	
For Class 1 Mill Galvanized, Add	6.90	
For Class 2 Mill Galvanized, Add	10.35	
For Hot-Dipped Galvanized, Add	17.26	
For Stainless Steel, Add	69.02	
 04 05 19 13-0212 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0213 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	74.97	
For Class 1 Mill Galvanized, Add	7.47	
For Class 2 Mill Galvanized, Add	11.21	
For Hot-Dipped Galvanized, Add	18.69	
For Stainless Steel, Add	74.74	
04 05 19 13-0214 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	79.46	
For Class 1 Mill Galvanized, Add	7.54	
For Class 2 Mill Galvanized, Add	11.30	
For Hot-Dipped Galvanized, Add	18.84	
For Stainless Steel, Add	75.36	
04 05 19 13-0215 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	84.38	
For Class 1 Mill Galvanized, Add	7.68	
For Class 2 Mill Galvanized, Add	11.53	
For Hot-Dipped Galvanized, Add	19.21	
For Stainless Steel, Add	76.84	
04 05 19 13-0216 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	91.61	
For Class 1 Mill Galvanized, Add	7.88	
For Class 2 Mill Galvanized, Add	11.81	
For Hot-Dipped Galvanized, Add	19.69	
For Stainless Steel, Add	78.76	
04 05 19 13-0217 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	96.42	
For Class 1 Mill Galvanized, Add	8.09	
For Class 2 Mill Galvanized, Add	12.13	
For Hot-Dipped Galvanized, Add	20.22	
For Stainless Steel, Add	80.88	
04 05 19 13-0218 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	100.84	
For Class 1 Mill Galvanized, Add	8.30	
For Class 2 Mill Galvanized, Add	12.45	
For Hot-Dipped Galvanized, Add	20.76	
For Stainless Steel, Add	83.02	
 04 05 19 13-0219 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0204)		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0220	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		78.99	
		<i>For Class 1 Mill Galvanized, Add</i>		8.28	
		<i>For Class 2 Mill Galvanized, Add</i>		12.42	
		<i>For Hot-Dipped Galvanized, Add</i>		20.70	
		<i>For Stainless Steel, Add</i>		82.78	
04 05 19 13-0221	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		83.49	
		<i>For Class 1 Mill Galvanized, Add</i>		8.34	
		<i>For Class 2 Mill Galvanized, Add</i>		12.51	
		<i>For Hot-Dipped Galvanized, Add</i>		20.86	
		<i>For Stainless Steel, Add</i>		83.42	
04 05 19 13-0222	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		88.82	
		<i>For Class 1 Mill Galvanized, Add</i>		8.57	
		<i>For Class 2 Mill Galvanized, Add</i>		12.86	
		<i>For Hot-Dipped Galvanized, Add</i>		21.43	
		<i>For Stainless Steel, Add</i>		85.72	
04 05 19 13-0223	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		96.60	
		<i>For Class 1 Mill Galvanized, Add</i>		8.87	
		<i>For Class 2 Mill Galvanized, Add</i>		13.31	
		<i>For Hot-Dipped Galvanized, Add</i>		22.19	
		<i>For Stainless Steel, Add</i>		88.74	
04 05 19 13-0224	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		102.26	
		<i>For Class 1 Mill Galvanized, Add</i>		9.26	
		<i>For Class 2 Mill Galvanized, Add</i>		13.88	
		<i>For Hot-Dipped Galvanized, Add</i>		23.14	
		<i>For Stainless Steel, Add</i>		92.56	
04 05 19 13-0225	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		107.73	
		<i>For Class 1 Mill Galvanized, Add</i>		9.68	
		<i>For Class 2 Mill Galvanized, Add</i>		14.52	
		<i>For Hot-Dipped Galvanized, Add</i>		24.20	
		<i>For Stainless Steel, Add</i>		96.80	
04 05 19 13-0226		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>			
04 05 19 13-0227		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>			
04 05 19 13-0228	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		73.21	
		<i>For Class 1 Mill Galvanized, Add</i>		6.29	
		<i>For Class 2 Mill Galvanized, Add</i>		9.43	
		<i>For Hot-Dipped Galvanized, Add</i>		15.72	
		<i>For Stainless Steel, Add</i>		62.86	
04 05 19 13-0229	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		77.61	
		<i>For Class 1 Mill Galvanized, Add</i>		6.33	
		<i>For Class 2 Mill Galvanized, Add</i>		9.50	
		<i>For Hot-Dipped Galvanized, Add</i>		15.83	
		<i>For Stainless Steel, Add</i>		63.30	
04 05 19 13-0230	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		84.59	
		<i>For Class 1 Mill Galvanized, Add</i>		6.47	
		<i>For Class 2 Mill Galvanized, Add</i>		9.71	
		<i>For Hot-Dipped Galvanized, Add</i>		16.18	
		<i>For Stainless Steel, Add</i>		64.72	
04 05 19 13-0231	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		89.31	
		<i>For Class 1 Mill Galvanized, Add</i>		6.67	
		<i>For Class 2 Mill Galvanized, Add</i>		10.00	
		<i>For Hot-Dipped Galvanized, Add</i>		16.67	
		<i>For Stainless Steel, Add</i>		66.66	
04 05 19 13-0232	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		93.83	
		<i>For Class 1 Mill Galvanized, Add</i>		6.90	
		<i>For Class 2 Mill Galvanized, Add</i>		10.35	
		<i>For Hot-Dipped Galvanized, Add</i>		17.25	
		<i>For Stainless Steel, Add</i>		69.00	
04 05 19 13-0233	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		97.35	
		<i>For Class 1 Mill Galvanized, Add</i>		7.14	
		<i>For Class 2 Mill Galvanized, Add</i>		10.71	
		<i>For Hot-Dipped Galvanized, Add</i>		17.85	
		<i>For Stainless Steel, Add</i>		71.40	
04 05 19 13-0234		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0235 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	80.52	
<i>For Class 1 Mill Galvanized, Add</i>	7.75	
<i>For Class 2 Mill Galvanized, Add</i>	11.62	
<i>For Hot-Dipped Galvanized, Add</i>	19.37	
<i>For Stainless Steel, Add</i>	77.48	
04 05 19 13-0236 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	85.02	
<i>For Class 1 Mill Galvanized, Add</i>	7.81	
<i>For Class 2 Mill Galvanized, Add</i>	11.72	
<i>For Hot-Dipped Galvanized, Add</i>	19.53	
<i>For Stainless Steel, Add</i>	78.12	
04 05 19 13-0237 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	92.03	
<i>For Class 1 Mill Galvanized, Add</i>	7.96	
<i>For Class 2 Mill Galvanized, Add</i>	11.94	
<i>For Hot-Dipped Galvanized, Add</i>	19.90	
<i>For Stainless Steel, Add</i>	79.60	
04 05 19 13-0238 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	96.74	
<i>For Class 1 Mill Galvanized, Add</i>	8.15	
<i>For Class 2 Mill Galvanized, Add</i>	12.23	
<i>For Hot-Dipped Galvanized, Add</i>	20.38	
<i>For Stainless Steel, Add</i>	81.52	
04 05 19 13-0239 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	101.15	
<i>For Class 1 Mill Galvanized, Add</i>	8.36	
<i>For Class 2 Mill Galvanized, Add</i>	12.55	
<i>For Hot-Dipped Galvanized, Add</i>	20.91	
<i>For Stainless Steel, Add</i>	83.64	
04 05 19 13-0240 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	104.73	
<i>For Class 1 Mill Galvanized, Add</i>	8.62	
<i>For Class 2 Mill Galvanized, Add</i>	12.92	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.16	
04 05 19 13-0241 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>		
04 05 19 13-0242 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	84.56	
<i>For Class 1 Mill Galvanized, Add</i>	8.56	
<i>For Class 2 Mill Galvanized, Add</i>	12.83	
<i>For Hot-Dipped Galvanized, Add</i>	21.39	
<i>For Stainless Steel, Add</i>	85.56	
04 05 19 13-0243 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	89.04	
<i>For Class 1 Mill Galvanized, Add</i>	8.62	
<i>For Class 2 Mill Galvanized, Add</i>	12.92	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.16	
04 05 19 13-0244 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	96.49	
<i>For Class 1 Mill Galvanized, Add</i>	8.85	
<i>For Class 2 Mill Galvanized, Add</i>	13.28	
<i>For Hot-Dipped Galvanized, Add</i>	22.13	
<i>For Stainless Steel, Add</i>	88.52	
04 05 19 13-0245 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	101.74	
<i>For Class 1 Mill Galvanized, Add</i>	9.15	
<i>For Class 2 Mill Galvanized, Add</i>	13.73	
<i>For Hot-Dipped Galvanized, Add</i>	22.88	
<i>For Stainless Steel, Add</i>	91.52	
04 05 19 13-0246 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	106.99	
<i>For Class 1 Mill Galvanized, Add</i>	9.53	
<i>For Class 2 Mill Galvanized, Add</i>	14.30	
<i>For Hot-Dipped Galvanized, Add</i>	23.83	
<i>For Stainless Steel, Add</i>	95.32	
04 05 19 13-0247 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	110.76	
<i>For Class 1 Mill Galvanized, Add</i>	9.82	
<i>For Class 2 Mill Galvanized, Add</i>	14.73	
<i>For Hot-Dipped Galvanized, Add</i>	24.56	
<i>For Stainless Steel, Add</i>	98.22	
04 05 19 13-0248 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0249 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0248)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	70.38	
For Class 1 Mill Galvanized, Add	5.72	
For Class 2 Mill Galvanized, Add	8.58	
For Hot-Dipped Galvanized, Add	14.30	
For Stainless Steel, Add	57.20	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0251 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	74.76	
For Class 1 Mill Galvanized, Add	5.76	
For Class 2 Mill Galvanized, Add	8.64	
For Hot-Dipped Galvanized, Add	14.40	
For Stainless Steel, Add	57.60	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0252 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	81.65	
For Class 1 Mill Galvanized, Add	5.88	
For Class 2 Mill Galvanized, Add	8.83	
For Hot-Dipped Galvanized, Add	14.71	
For Stainless Steel, Add	58.84	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0253 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	86.29	
For Class 1 Mill Galvanized, Add	6.06	
For Class 2 Mill Galvanized, Add	9.09	
For Hot-Dipped Galvanized, Add	15.16	
For Stainless Steel, Add	60.62	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0254 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	90.57	
For Class 1 Mill Galvanized, Add	6.25	
For Class 2 Mill Galvanized, Add	9.37	
For Hot-Dipped Galvanized, Add	15.62	
For Stainless Steel, Add	62.48	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0255 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	94.02	
For Class 1 Mill Galvanized, Add	6.47	
For Class 2 Mill Galvanized, Add	9.71	
For Hot-Dipped Galvanized, Add	16.19	
For Stainless Steel, Add	64.74	
For Seismic Hook And Eye, Add	27.50	

04 05 19 13-0256 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0248)

04 05 19 13-0257 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	77.12	
For Class 1 Mill Galvanized, Add	7.07	
For Class 2 Mill Galvanized, Add	10.60	
For Hot-Dipped Galvanized, Add	17.67	
For Stainless Steel, Add	70.68	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0258 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	81.58	
For Class 1 Mill Galvanized, Add	7.12	
For Class 2 Mill Galvanized, Add	10.69	
For Hot-Dipped Galvanized, Add	17.81	
For Stainless Steel, Add	71.24	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0259 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	88.41	
For Class 1 Mill Galvanized, Add	7.24	
For Class 2 Mill Galvanized, Add	10.85	
For Hot-Dipped Galvanized, Add	18.09	
For Stainless Steel, Add	72.36	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0260 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	93.01	
For Class 1 Mill Galvanized, Add	7.41	
For Class 2 Mill Galvanized, Add	11.11	
For Hot-Dipped Galvanized, Add	18.52	
For Stainless Steel, Add	74.06	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0261 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	97.28	
For Class 1 Mill Galvanized, Add	7.59	
For Class 2 Mill Galvanized, Add	11.39	
For Hot-Dipped Galvanized, Add	18.98	
For Stainless Steel, Add	75.90	
For Seismic Hook And Eye, Add	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0262 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	100.61	
<i>For Class 1 Mill Galvanized, Add</i>	7.79	
<i>For Class 2 Mill Galvanized, Add</i>	11.68	
<i>For Hot-Dipped Galvanized, Add</i>	19.48	
<i>For Stainless Steel, Add</i>	77.92	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0263 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0248)		
04 05 19 13-0264 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	81.20	
<i>For Class 1 Mill Galvanized, Add</i>	7.88	
<i>For Class 2 Mill Galvanized, Add</i>	11.83	
<i>For Hot-Dipped Galvanized, Add</i>	19.71	
<i>For Stainless Steel, Add</i>	78.84	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0265 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	85.68	
<i>For Class 1 Mill Galvanized, Add</i>	7.94	
<i>For Class 2 Mill Galvanized, Add</i>	11.92	
<i>For Hot-Dipped Galvanized, Add</i>	19.86	
<i>For Stainless Steel, Add</i>	79.44	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0266 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	93.05	
<i>For Class 1 Mill Galvanized, Add</i>	8.16	
<i>For Class 2 Mill Galvanized, Add</i>	12.25	
<i>For Hot-Dipped Galvanized, Add</i>	20.41	
<i>For Stainless Steel, Add</i>	81.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0267 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	98.24	
<i>For Class 1 Mill Galvanized, Add</i>	8.45	
<i>For Class 2 Mill Galvanized, Add</i>	12.68	
<i>For Hot-Dipped Galvanized, Add</i>	21.13	
<i>For Stainless Steel, Add</i>	84.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0268 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	103.41	
<i>For Class 1 Mill Galvanized, Add</i>	8.82	
<i>For Class 2 Mill Galvanized, Add</i>	13.22	
<i>For Hot-Dipped Galvanized, Add</i>	22.04	
<i>For Stainless Steel, Add</i>	88.16	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0269 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	107.75	
<i>For Class 1 Mill Galvanized, Add</i>	9.22	
<i>For Class 2 Mill Galvanized, Add</i>	13.83	
<i>For Hot-Dipped Galvanized, Add</i>	23.05	
<i>For Stainless Steel, Add</i>	92.20	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0270 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0144)		
04 05 19 13-0271 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall (04 05 19 13-0270)		
04 05 19 13-0272 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	75.91	
<i>For Class 1 Mill Galvanized, Add</i>	5.99	
<i>For Class 2 Mill Galvanized, Add</i>	8.99	
<i>For Hot-Dipped Galvanized, Add</i>	14.98	
<i>For Stainless Steel, Add</i>	59.90	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0273 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	82.39	
<i>For Class 1 Mill Galvanized, Add</i>	6.03	
<i>For Class 2 Mill Galvanized, Add</i>	9.05	
<i>For Hot-Dipped Galvanized, Add</i>	15.08	
<i>For Stainless Steel, Add</i>	60.32	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0274 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	86.80	
<i>For Class 1 Mill Galvanized, Add</i>	6.16	
<i>For Class 2 Mill Galvanized, Add</i>	9.25	
<i>For Hot-Dipped Galvanized, Add</i>	15.41	
<i>For Stainless Steel, Add</i>	61.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0275 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	91.09	
For Class 1 Mill Galvanized, Add	6.35	
For Class 2 Mill Galvanized, Add	9.53	
For Hot-Dipped Galvanized, Add	15.88	
For Stainless Steel, Add	63.52	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0276 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	94.50	
For Class 1 Mill Galvanized, Add	6.57	
For Class 2 Mill Galvanized, Add	9.86	
For Hot-Dipped Galvanized, Add	16.43	
For Stainless Steel, Add	65.70	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0277 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)		
04 05 19 13-0278 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	83.17	
For Class 1 Mill Galvanized, Add	7.44	
For Class 2 Mill Galvanized, Add	11.16	
For Hot-Dipped Galvanized, Add	18.61	
For Stainless Steel, Add	74.42	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0279 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	89.67	
For Class 1 Mill Galvanized, Add	7.49	
For Class 2 Mill Galvanized, Add	11.23	
For Hot-Dipped Galvanized, Add	18.72	
For Stainless Steel, Add	74.88	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0280 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	94.06	
For Class 1 Mill Galvanized, Add	7.62	
For Class 2 Mill Galvanized, Add	11.42	
For Hot-Dipped Galvanized, Add	19.04	
For Stainless Steel, Add	76.16	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0281 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	98.27	
For Class 1 Mill Galvanized, Add	7.79	
For Class 2 Mill Galvanized, Add	11.68	
For Hot-Dipped Galvanized, Add	19.47	
For Stainless Steel, Add	77.88	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0282 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	101.48	
For Class 1 Mill Galvanized, Add	7.97	
For Class 2 Mill Galvanized, Add	11.95	
For Hot-Dipped Galvanized, Add	19.92	
For Stainless Steel, Add	79.66	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0283 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)		
04 05 19 13-0284 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	86.70	
For Class 1 Mill Galvanized, Add	8.15	
For Class 2 Mill Galvanized, Add	12.22	
For Hot-Dipped Galvanized, Add	20.37	
For Stainless Steel, Add	81.48	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0285 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	93.26	
For Class 1 Mill Galvanized, Add	8.21	
For Class 2 Mill Galvanized, Add	12.31	
For Hot-Dipped Galvanized, Add	20.52	
For Stainless Steel, Add	82.06	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0286 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	98.13	
For Class 1 Mill Galvanized, Add	8.43	
For Class 2 Mill Galvanized, Add	12.65	
For Hot-Dipped Galvanized, Add	21.08	
For Stainless Steel, Add	84.30	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0287 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	102.91	
For Class 1 Mill Galvanized, Add	8.72	
For Class 2 Mill Galvanized, Add	13.07	
For Hot-Dipped Galvanized, Add	21.79	
For Stainless Steel, Add	87.16	
For Seismic Hook And Eye, Add	27.50	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
04 05 19 13-0288	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	107.04	
	<i>For Class 1 Mill Galvanized, Add</i>	9.08	
	<i>For Class 2 Mill Galvanized, Add</i>	13.62	
	<i>For Hot-Dipped Galvanized, Add</i>	22.70	
	<i>For Stainless Steel, Add</i>	90.78	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 16 Masonry Anchors (04 05 19)			
04 05 19 16-0001	Rectangular, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0002	Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0003	EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.89	
04 05 19 16-0004	EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.93	
04 05 19 16-0005	EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.97	
04 05 19 16-0006	EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.02	
04 05 19 16-0007	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.07	
04 05 19 16-0008	EA 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.97	
04 05 19 16-0009	EA 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.02	
04 05 19 16-0010	EA 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.07	
04 05 19 16-0011	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.12	
04 05 19 16-0012	Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0013	EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.81	
04 05 19 16-0014	EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.83	
04 05 19 16-0015	EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.85	
04 05 19 16-0016	EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.88	
04 05 19 16-0017	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.90	
04 05 19 16-0018	EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.85	
04 05 19 16-0019	EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.88	
04 05 19 16-0020	EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.90	
04 05 19 16-0021	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.93	
04 05 19 16-0022	Z-Type, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0023	Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0024	EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.82	
04 05 19 16-0025	EA 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.84	
04 05 19 16-0026	EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.91	
04 05 19 16-0027	EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.94	
04 05 19 16-0028	EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.95	
04 05 19 16-0029	EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.00	
04 05 19 16-0030	EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.06	
04 05 19 16-0031	EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.09	
04 05 19 16-0032	Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0033	EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.76	
04 05 19 16-0034	EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.77	
04 05 19 16-0035	EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.82	
04 05 19 16-0036	EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.84	
04 05 19 16-0037	EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.85	
04 05 19 16-0038	EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.87	
04 05 19 16-0039	EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.90	
04 05 19 16-0040	EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.94	
04 05 19 16-0041	Wire Beam Ties (04 05 19 16)		
04 05 19 16-0042	Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0043	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.01	
04 05 19 16-0044	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.03	
04 05 19 16-0045	EA 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.05	
04 05 19 16-0046	EA 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.07	
04 05 19 16-0047	EA 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.10	
04 05 19 16-0048	Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0049	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.16	
04 05 19 16-0050	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.20	
04 05 19 16-0051	EA 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.25	
04 05 19 16-0052	EA 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.27	
04 05 19 16-0053	EA 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.30	
04 05 19 16-0054	Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties <small>(04 05 19 16-0054)</small>		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.10	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.14	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.15	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.18	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.20	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties <small>(04 05 19 16-0054)</small>		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.97	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.99	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.00	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.02	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.03	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors <small>(04 05 19 16-0067)</small>		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.29	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.33	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.37	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.41	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.45	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.32	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.36	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.41	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.45	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.50	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors <small>(04 05 19 16-0067)</small>		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.14	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.17	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.20	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.23	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.26	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.17	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.20	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.23	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.26	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.30	
04 05 19 16-0090		Corrugated Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.76	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.79	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.80	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.82	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.93	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.77	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.78	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.79	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	0.88	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.10	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.15	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.21	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.26	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.55	
04 05 19 16-0108		Wire Mesh Wall Ties <small>(04 05 19 16)</small>		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.42	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.68	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.96	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.43	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.35	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0115				Triangle Brick Ties <small>(04 05 19 16)</small>		
04 05 19 16-0116				Hot-Dipped Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0117	EA			3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.27	
04 05 19 16-0118	EA			3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.29	
04 05 19 16-0119	EA			4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.31	
04 05 19 16-0120	EA			4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.36	
04 05 19 16-0121	EA			5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.38	
04 05 19 16-0122	EA			6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.45	
04 05 19 16-0123	EA			7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.49	
04 05 19 16-0124	EA			9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.58	
04 05 19 16-0125	EA			3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0126	EA			3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0127	EA			4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.48	
04 05 19 16-0128	EA			4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.53	
04 05 19 16-0129	EA			5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.54	
04 05 19 16-0130	EA			6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.61	
04 05 19 16-0131	EA			7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.64	
04 05 19 16-0132	EA			9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.74	
04 05 19 16-0133				Mill Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0134	EA			3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.19	
04 05 19 16-0135	EA			3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.19	
04 05 19 16-0136	EA			4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.20	
04 05 19 16-0137	EA			4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.23	
04 05 19 16-0138	EA			5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.24	
04 05 19 16-0139	EA			6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.29	
04 05 19 16-0140	EA			7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.31	
04 05 19 16-0141	EA			9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.34	
04 05 19 16-0142	EA			3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.29	
04 05 19 16-0143	EA			3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.30	
04 05 19 16-0144	EA			4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.31	
04 05 19 16-0145	EA			4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.36	
04 05 19 16-0146	EA			5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.37	
04 05 19 16-0147	EA			6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.42	
04 05 19 16-0148	EA			7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.44	
04 05 19 16-0149	EA			9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.49	
04 05 19 16-0150				Seismic Veneer Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0151	EA			3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor	5.21	
				Note: For horizontal wire attachment. Excludes wire.		
04 05 19 16-0152				Slip-Set, Joint Stabilization Anchors <small>(04 05 19 16)</small>		
				Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA			9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.37	
04 05 19 16-0154	EA			9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	3.64	
04 05 19 16-0155	EA			9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.21	
04 05 19 16-0156				Strap Partition Top Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0157	EA			12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	2.04	
04 05 19 16-0158	EA			12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.50	
04 05 19 16-0159				Rigid Partition Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0160				Hot-Dipped Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0161	EA			1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.71	
04 05 19 16-0162	EA			1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.82	
04 05 19 16-0163	EA			1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.96	
04 05 19 16-0164	EA			1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.09	
04 05 19 16-0165	EA			2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.22	
04 05 19 16-0166	EA			2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.34	
04 05 19 16-0167	EA			1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.22	
04 05 19 16-0168	EA			1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.62	
04 05 19 16-0169	EA			1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.03	
04 05 19 16-0170	EA			1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.44	
04 05 19 16-0171	EA			2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.85	
04 05 19 16-0172	EA			2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.26	
04 05 19 16-0173				Mill Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0174	EA			1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.60	
04 05 19 16-0175	EA			1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.69	
04 05 19 16-0176	EA			1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.79	
04 05 19 16-0177	EA			1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.89	
04 05 19 16-0178	EA			2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.99	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0179 EA 2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.09	
04 05 19 16-0180 Screw-On Masonry Veneer Anchor Plates (04 05 19 16)		
04 05 19 16-0181 EA 12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.10	
04 05 19 16-0182 EA 14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.15	
04 05 19 16-0183 Wire Column Ties (04 05 19 16)		
04 05 19 16-0184 Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)		
04 05 19 16-0185 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.28	
04 05 19 16-0186 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.35	
04 05 19 16-0187 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.40	
04 05 19 16-0188 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.46	
04 05 19 16-0189 EA 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.34	
04 05 19 16-0190 EA 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.40	
04 05 19 16-0191 EA 14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.44	
04 05 19 16-0192 EA 16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.48	
04 05 19 16-0193 EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.63	
04 05 19 16-0194 EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.75	
04 05 19 16-0195 EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.83	
04 05 19 16-0196 EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.94	
04 05 19 16-0197 EA 10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.75	
04 05 19 16-0198 EA 12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.83	
04 05 19 16-0199 EA 14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.90	
04 05 19 16-0200 EA 16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.97	
04 05 19 16-0201 Mill Galvanized, Wire Column Ties (04 05 19 16-0183)		
04 05 19 16-0202 EA 3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.16	
04 05 19 16-0203 EA 5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.20	
04 05 19 16-0204 EA 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.23	
04 05 19 16-0205 EA 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.27	
04 05 19 16-0206 EA 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.18	
04 05 19 16-0207 EA 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.22	
04 05 19 16-0208 EA 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.24	
04 05 19 16-0209 EA 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.28	
04 05 19 16-0210 EA 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.42	
04 05 19 16-0211 EA 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.50	
04 05 19 16-0212 EA 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.53	
04 05 19 16-0213 EA 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.61	
04 05 19 16-0214 EA 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.39	
04 05 19 16-0215 EA 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.52	
04 05 19 16-0216 EA 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.57	
04 05 19 16-0217 EA 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.61	
04 05 19 16-0218 Dovetail Anchors, Slots And Ties (04 05 19 16)		
04 05 19 16-0219 Dovetail Anchor Slots (04 05 19 16-0218)		
04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0221 LF 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.56	
04 05 19 16-0222 LF 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.76	
04 05 19 16-0223 LF 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.87	
04 05 19 16-0224 LF 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.93	
04 05 19 16-0225 LF 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.07	
04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0227 LF 24 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.16	
04 05 19 16-0228 LF 22 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.41	
04 05 19 16-0229 LF 20 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.47	
04 05 19 16-0230 LF 18 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.56	
04 05 19 16-0231 LF 16 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.61	
04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0233 LF 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	2.99	
04 05 19 16-0234 LF 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.37	
04 05 19 16-0235 LF 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.50	
04 05 19 16-0236 LF 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.93	
04 05 19 16-0237 LF 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.35	
04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0239 LF 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.29	
04 05 19 16-0240 LF 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.58	
04 05 19 16-0241 LF 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.87	
04 05 19 16-0242 LF 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 05 19 16-0243	LF		16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.46	
04 05 19 16-0244 Dovetail Corrugated Brick Ties <small>(04 05 19 16-0218)</small>						
04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie <small>(04 05 19 16-0244)</small>						
	04 05 19 16-0246	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.96	
	04 05 19 16-0247	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.02	
	04 05 19 16-0248	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.09	
	04 05 19 16-0249	EA		3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.97	
	04 05 19 16-0250	EA		5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.09	
	04 05 19 16-0251	EA		7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.18	
	04 05 19 16-0252	EA		3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.01	
	04 05 19 16-0253	EA		5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.09	
	04 05 19 16-0254	EA		7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.17	
04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie <small>(04 05 19 16-0244)</small>						
	04 05 19 16-0256	EA		3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.90	
	04 05 19 16-0257	EA		5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.94	
	04 05 19 16-0258	EA		7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.98	
	04 05 19 16-0259	EA		3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.93	
	04 05 19 16-0260	EA		5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.01	
	04 05 19 16-0261	EA		7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.08	
	04 05 19 16-0262	EA		3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.94	
	04 05 19 16-0263	EA		5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.04	
	04 05 19 16-0264	EA		7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.11	
04 05 19 16-0265 Dovetail Stone Anchors <small>(04 05 19 16-0218)</small>						
04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors <small>(04 05 19 16-0265)</small>						
	04 05 19 16-0267	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.09	
	04 05 19 16-0268	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.16	
	04 05 19 16-0269	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.22	
04 05 19 16-0270 Dovetail Partition Top Anchors <small>(04 05 19 16-0218)</small>						
	04 05 19 16-0271	EA		3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.16	
	04 05 19 16-0272	EA		3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	5.90	
04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0218)</small>						
04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0273)</small>						
	04 05 19 16-0275	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.57	
	04 05 19 16-0276	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.66	
	04 05 19 16-0277	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.72	
	04 05 19 16-0278	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.78	
04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0273)</small>						
	04 05 19 16-0280	EA		3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.45	
	04 05 19 16-0281	EA		5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.46	
	04 05 19 16-0282	EA		7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.50	
	04 05 19 16-0283	EA		9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.60	
04 05 19 16-0284 Dowel Or Hairpin, Drill And Epoxy Into Brick <small>(04 05 19 16)</small>						
	04 05 19 16-0285	EA		Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick.....	17.66	
	04 05 19 16-0286	EA		Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick.....	18.41	
04 05 19 26 Masonry Reinforcing Bars <small>(04 05 19)</small>						
Note: Includes cutting and bending.						
04 05 19 26-0001 Standard Steel Bars <small>(04 05 19 26)</small>						
See CSI section 03 21 00 00-0000 for listed rebar weights.						
	04 05 19 26-0002	LB		Horizontal #3 And #4 Rebar Reinforcing.....	2.12	
				For Epoxy Coating, Add	0.35	
				For Galvanized Coating, Add	0.47	
	04 05 19 26-0003	LB		Horizontal #5 And #6 Rebar Reinforcing.....	1.21	
				For Epoxy Coating, Add	0.35	
				For Galvanized Coating, Add	0.47	
	04 05 19 26-0004	LB		Vertical #3 And #4 Rebar Reinforcing.....	2.59	
				For Epoxy Coating, Add	0.35	
				For Galvanized Coating, Add	0.47	
	04 05 19 26-0005	LB		Vertical #5 And #6 Rebar Reinforcing.....	1.39	
				For Epoxy Coating, Add	0.35	
				For Galvanized Coating, Add	0.47	

04 Masonry**04 05 Common Work Results For Masonry****04 05 23 Masonry Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
04 05 23 Masonry Accessories (04 05)**04 05 23 13 Masonry Control And Expansion Joints** (04 05 23)**04 05 23 13-0001 Masonry Control Joints** (04 05 23 13)**04 05 23 13-0002 Rubber, Masonry Control Joints** (04 05 23 13-0001)

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	3.64	0.74
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint.....	3.56	0.74
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint.....	7.06	0.74

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.48	0.74
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.55	0.74
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.21	0.74
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.59	0.74
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.44	0.74

04 05 23 16 Masonry Embedded Flashing (04 05 23)**04 05 23 16-0001 Lead Coated Copper Through Wall Flashing** (04 05 23 16)**04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing** (04 05 23 16-0001)

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.15	1.27
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.61	1.27
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.89	1.27
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.02	1.27

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.60	1.27
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.02	1.27
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.49	1.27
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.85	1.27

04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.25	1.27
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.83	1.27
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.66	1.27
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.39	1.27

04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)**04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing** (04 05 23 16-0017)

04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	4.46	1.19
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	4.80	1.19
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	5.74	1.19
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	6.56	1.19
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	6.91	1.19

04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	4.79	1.19
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.09	1.19
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	6.18	1.19
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	7.17	1.19
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	7.76	1.19

04 05 23 16-0030 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	4.49	1.19
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	4.84	1.19
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.77	1.19
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	6.60	1.19
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	6.95	1.19

04 05 23 16-0036 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	4.54	1.19
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	4.96	1.19
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.57	1.19
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	6.83	1.19
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	6.30	1.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0042 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0043 SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.93	1.19
04 05 23 16-0044 SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	7.18	1.19
04 05 23 16-0045 2 Sides Glass Fabric, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small> Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046 SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	5.20	1.19
04 05 23 16-0047 SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	6.32	1.19
04 05 23 16-0048 Stainless Steel Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0049 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing <small>(04 05 23 16-0048)</small>		
04 05 23 16-0050 SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	5.42	1.19
04 05 23 16-0051 Polyvinyl Chloride (PVC) Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0052 SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.58	1.12
04 05 23 16-0053 SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.66	1.12
04 05 23 16-0054 SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.77	1.12
04 05 23 16-0055 SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.09	1.12
04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents <small>(04 05 23)</small>		
04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen <small>(04 05 23 19)</small> Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002 EA 8-1/8" x 2-3/8" Aluminum Brick Vent.....	45.30	
04 05 23 19-0003 EA 8-1/8" x 4-3/4" Aluminum Brick Vent.....	56.02	
04 05 23 19-0004 EA 8-1/8" x 7-3/4" Aluminum Brick Vent.....	70.33	
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent	54.76	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent	67.42	
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent	84.90	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent	64.28	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent	86.48	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent	104.99	
04 05 23 19-0011 EA 24" x 2-3/8" Aluminum Brick Vent	86.03	
04 05 23 19-0012 EA 24" x 4-3/4" Aluminum Brick Vent	111.79	
04 05 23 19-0013 EA 24" x 7-3/4" Aluminum Brick Vent	136.72	
04 05 26 Masonry Scaffolding <small>(04 05)</small> Note: Costs based on one use per month. For use with unit masonry construction only. Height shown in tasks is for height of work. Includes assembly and disassembly of scaffolding.		
04 05 26 00-0001 Scaffolding Rental <small>(04 05 26)</small> Note: Total square foot of area is determined by the square foot of wall area at which scaffolding is required, above the established 4' working height limit. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc.		
04 05 26 00-0002 CSF Exterior Building Scaffolding, 1 To 5 Story, Tubular Steel, Based On 1 Use/Month	332.16	
For Each Additional Month Of Rental, Add	96.81	
For Additional Erection And Dismantling Of Scaffolding, Add	235.35	
04 05 26 00-0003 CSF Exterior Building Scaffolding, 6 To 12 Story, Tubular Steel, Based On 1 Use/Month	406.06	
For Each Additional Month Of Rental, Add	88.45	
For Additional Erection And Dismantling Of Scaffolding, Add	317.61	
04 05 26 00-0004 CSF Interior Scaffolding Wall, Up To 16' Tubular Steel, Based On 1 Use/Month	267.46	
For Each Additional Month Of Rental, Add	93.13	
For Additional Erection And Dismantling Of Scaffolding, Add	174.33	
04 05 26 00-0005 CSF Interior Scaffolding Wall, 16' - 30' Tubular Steel, Based On 1 Use/Month	305.63	
For Each Additional Month Of Rental, Add	94.97	
For Additional Erection And Dismantling Of Scaffolding, Add	210.66	
04 20 Unit Masonry <small>(04)</small> Note: Includes pointing and cleaning of new brick and mortar. Includes cutting of new bricks/blocks to size.		
04 21 Clay Unit Masonry <small>(04 20)</small>		
04 21 13 Brick Masonry <small>(04 21)</small> Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors, 04 05 26 00-0000 for scaffolding.		
04 21 13 00-0001 Standard Size Brick With Running Bond <small>(04 21 13)</small> Note: Standard size brick, 2-2/3" x 4" x 8".		
04 21 13 00-0002 Red Face Brick <small>(04 21 13 00-0001)</small>		

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 13 00-0003	SF		Standard Size Red Face Brick - Veneer (6.4/SF With Running Bond).....	17.80	
			<i>For Full Header Every 6th Course, Add</i>	0.58	
			<i>For English, Full Header Every Second Course, Add</i>	1.16	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.34	
			<i>For Curved Wall Application, Add</i>	2.90	
			<i>For Interior Veneer Construction, Add</i>	2.18	
			<i>For Stacked Bond, Add</i>	1.62	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.63	
			<i>For Corbels, Add</i>	10.88	
			<i>For Colored Mortar, Add</i>	0.33	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.62	
			<i>For Herringbone Pattern, Add</i>	2.51	
			<i>For Severe Weather (SW) Brick, Add</i>	0.50	
			<i>For Close Tolerance (FBX), Add</i>	1.70	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	21.92	
			<i>For Columns Where The Shortest Distance From Corner Is <3', Add</i>	14.67	
04 21 13 00-0004	SF		Standard Size Red Face Brick - Cavity Wall (6.4/SF With Running Bond).....	20.61	
			<i>For Full Header Every 6th Course, Add</i>	0.69	
			<i>For English, Full Header Every Second Course, Add</i>	1.38	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.76	
			<i>For Curved Wall Application, Add</i>	3.46	
			<i>For Interior Veneer Construction, Add</i>	2.60	
			<i>For Stacked Bond, Add</i>	1.90	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.33	
			<i>For Corbels, Add</i>	12.98	
			<i>For Colored Mortar, Add</i>	0.33	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.90	
			<i>For Herringbone Pattern, Add</i>	2.93	
			<i>For Severe Weather (SW) Brick, Add</i>	0.50	
			<i>For Close Tolerance (FBX), Add</i>	1.98	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	26.13	
			<i>For Columns Where The Shortest Distance From Corner Is <3', Add</i>	17.48	
04 21 13 00-0005	SF		Standard Size Red Face Brick - 9" Solid Wall (12.7/SF With Running Bond).....	29.60	
			<i>For Full Header Every 6th Course, Add</i>	0.92	
			<i>For English, Full Header Every Second Course, Add</i>	1.85	
			<i>For Flemish, Alternate Header Every Course, Add</i>	3.79	
			<i>For Curved Wall Application, Add</i>	4.62	
			<i>For Interior Veneer Construction, Add</i>	3.46	
			<i>For Stacked Bond, Add</i>	2.63	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	5.77	
			<i>For Corbels, Add</i>	17.31	
			<i>For Colored Mortar, Add</i>	0.65	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.63	
			<i>For Herringbone Pattern, Add</i>	4.11	
			<i>For Severe Weather (SW) Brick, Add</i>	0.98	
			<i>For Close Tolerance (FBX), Add</i>	2.80	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	34.95	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	23.41	
04 21 13 00-0006			Common Brick <small>(04 21 13 00-0001)</small>		
04 21 13 00-0007	SF		Select Common Brick For Veneer (6.4/SF).....	17.03	
			<i>For Full Header Every 6th Course, Add</i>	0.55	
			<i>For English, Full Header Every Second Course, Add</i>	1.10	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.22	
			<i>For Curved Wall Application, Add</i>	2.75	
			<i>For Interior Veneer Construction, Add</i>	2.06	
			<i>For Stacked Bond, Add</i>	1.54	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.43	
			<i>For Corbels, Add</i>	10.30	
			<i>For Colored Mortar, Add</i>	0.33	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.54	
			<i>For Herringbone Pattern, Add</i>	2.39	
			<i>For Severe Weather (SW) Brick, Add</i>	0.50	
			<i>For Close Tolerance (FBX), Add</i>	1.62	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	20.76	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	13.90	
04 21 13 00-0008	SF		Common Brick - 4" Back-up (6.4/SF).....	15.18	
			<i>For Full Header Every 6th Course, Add</i>	0.49	
			<i>For English, Full Header Every Second Course, Add</i>	0.98	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.98	
			<i>For Curved Wall Application, Add</i>	2.45	
			<i>For Interior Veneer Construction, Add</i>	1.83	
			<i>For Stacked Bond, Add</i>	1.37	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.06	
			<i>For Corbels, Add</i>	9.17	
			<i>For Colored Mortar, Add</i>	0.30	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.37	
			<i>For Herringbone Pattern, Add</i>	2.13	
			<i>For Severe Weather (SW) Brick, Add</i>	0.44	
			<i>For Close Tolerance (FBX), Add</i>	1.44	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	18.49	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	12.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0009 SF Common Brick - 8" Back-up (12.7/SF).....	27.03	
For Full Header Every 6th Course, Add	0.85	
For English, Full Header Every Second Course, Add	1.69	
For Flemish, Alternate Header Every Course, Add	3.47	
For Curved Wall Application, Add	4.24	
For Interior Veneer Construction, Add	3.18	
For Stacked Bond, Add	2.41	
For Battered Walls (Variable Depth Surface Placement), Add	5.30	
For Corbels, Add	15.89	
For Colored Mortar, Add	0.59	
For Basket Weave Or Soldier Bond Pattern, Add	2.41	
For Herringbone Pattern, Add	3.76	
For Severe Weather (SW) Brick, Add	0.88	
For Close Tolerance (FBX), Add	2.56	
For Small Area Replacements (Individual Areas) <10 SF, Add	32.06	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	21.47	
04 21 13 00-0010 SF Common Brick - 12" Solid (19/SF).....	38.39	
For Full Header Every 6th Course, Add	1.19	
For English, Full Header Every Second Course, Add	2.37	
For Flemish, Alternate Header Every Course, Add	4.88	
For Curved Wall Application, Add	5.93	
For Interior Veneer Construction, Add	4.45	
For Stacked Bond, Add	3.40	
For Battered Walls (Variable Depth Surface Placement), Add	7.41	
For Corbels, Add	22.24	
For Colored Mortar, Add	0.87	
For Basket Weave Or Soldier Bond Pattern, Add	3.40	
For Herringbone Pattern, Add	5.32	
For Severe Weather (SW) Brick, Add	1.31	
For Close Tolerance (FBX), Add	3.62	
For Small Area Replacements (Individual Areas) <10 SF, Add	44.91	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	30.09	
04 21 13 00-0011 SF Common Brick - 16" Solid (25.4/SF).....	48.71	
For Full Header Every 6th Course, Add	1.48	
For English, Full Header Every Second Course, Add	2.97	
For Flemish, Alternate Header Every Course, Add	6.14	
For Curved Wall Application, Add	7.41	
For Interior Veneer Construction, Add	5.56	
For Stacked Bond, Add	4.29	
For Battered Walls (Variable Depth Surface Placement), Add	9.27	
For Corbels, Add	27.80	
For Colored Mortar, Add	1.16	
For Basket Weave Or Soldier Bond Pattern, Add	4.29	
For Herringbone Pattern, Add	6.72	
For Severe Weather (SW) Brick, Add	1.75	
For Close Tolerance (FBX), Add	4.58	
For Small Area Replacements (Individual Areas) <10 SF, Add	56.19	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	37.65	
04 21 13 00-0012 SF Common Brick As 4" Wall Face Brick (6.4/SF).....	17.03	
For Full Header Every 6th Course, Add	0.55	
For English, Full Header Every Second Course, Add	1.10	
For Flemish, Alternate Header Every Course, Add	2.22	
For Curved Wall Application, Add	2.75	
For Interior Veneer Construction, Add	2.06	
For Stacked Bond, Add	1.54	
For Battered Walls (Variable Depth Surface Placement), Add	3.43	
For Corbels, Add	10.30	
For Colored Mortar, Add	0.33	
For Basket Weave Or Soldier Bond Pattern, Add	1.54	
For Herringbone Pattern, Add	2.39	
For Severe Weather (SW) Brick, Add	0.50	
For Close Tolerance (FBX), Add	1.62	
For Small Area Replacements (Individual Areas) <10 SF, Add	20.76	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	13.90	
04 21 13 00-0013 Glazed Brick <small>(04 21 13 00-0001)</small>		
04 21 13 00-0014 SF Glazed Brick Veneer (7.4/SF).....	30.61	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.31	
For Flemish, Alternate Header Every Course, Add	3.17	
For Curved Wall Application, Add	3.28	
For Interior Veneer Construction, Add	2.46	
For Stacked Bond, Add	2.35	
For Battered Walls (Variable Depth Surface Placement), Add	4.10	
For Corbels, Add	12.30	
For Colored Mortar, Add	1.42	
For Basket Weave Or Soldier Bond Pattern, Add	2.35	
For Herringbone Pattern, Add	3.88	
For Severe Weather (SW) Brick, Add	2.13	
For Close Tolerance (FBX), Add	2.71	
For Small Area Replacements (Individual Areas) <10 SF, Add	25.31	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	17.11	
04 21 13 00-0015 Buff Or Gray Face Brick <small>(04 21 13 00-0001)</small>		

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21	13 00-0016	SF	Buff (Gray) Face Brick - Veneer (6.4/SF).....	18.48	
			<i>For Full Header Every 6th Course, Add</i>	0.58	
			<i>For English, Full Header Every Second Course, Add</i>	1.16	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.37	
			<i>For Curved Wall Application, Add</i>	2.90	
			<i>For Interior Veneer Construction, Add</i>	2.18	
			<i>For Stacked Bond, Add</i>	1.65	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.63	
			<i>For Corbels, Add</i>	10.88	
			<i>For Colored Mortar, Add</i>	0.40	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.65	
			<i>For Herringbone Pattern, Add</i>	2.57	
			<i>For Severe Weather (SW) Brick, Add</i>	0.60	
			<i>For Close Tolerance (FBX), Add</i>	1.75	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	21.95	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	14.70	
04 21	13 00-0017	SF	Buff (Gray) Face Brick - Cavity Wall (6.4/SF)	18.48	
			<i>For Full Header Every 6th Course, Add</i>	0.58	
			<i>For English, Full Header Every Second Course, Add</i>	1.16	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.37	
			<i>For Curved Wall Application, Add</i>	2.90	
			<i>For Interior Veneer Construction, Add</i>	2.18	
			<i>For Stacked Bond, Add</i>	1.65	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.63	
			<i>For Corbels, Add</i>	10.88	
			<i>For Colored Mortar, Add</i>	0.40	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.65	
			<i>For Herringbone Pattern, Add</i>	2.57	
			<i>For Severe Weather (SW) Brick, Add</i>	0.60	
			<i>For Close Tolerance (FBX), Add</i>	1.75	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	21.95	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	14.70	
04 21	13 00-0018		Jumbo Or Oversized Face Brick <small>(04 21 13)</small>		
			Note: Jumbo utility: 4" x 4" x 12", 6" jumbo: 6" x 4" x 12", 8" jumbo: 8" x 4" x 12".		
04 21	13 00-0019		Jumbo Or Oversize Brick Red Face Running Bond <small>(04 21 13 00-0018)</small>		
04 21	13 00-0020	SF	Jumbo Red Face Brick - 4" Veneer (3.0/SF With Running Bond).....	13.30	
			<i>For Full Header Every 6th Course, Add</i>	0.40	
			<i>For English, Full Header Every Second Course, Add</i>	0.79	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.65	
			<i>For Curved Wall Application, Add</i>	1.98	
			<i>For Interior Veneer Construction, Add</i>	1.48	
			<i>For Stacked Bond, Add</i>	1.16	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	2.47	
			<i>For Corbels, Add</i>	7.42	
			<i>For Colored Mortar, Add</i>	0.34	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.16	
			<i>For Herringbone Pattern, Add</i>	1.82	
			<i>For Severe Weather (SW) Brick, Add</i>	0.51	
			<i>For Close Tolerance (FBX), Add</i>	1.24	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	15.01	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	10.06	
04 21	13 00-0021	SF	Jumbo Red Face Brick - Cavity Wall (3.0/SF With Running Bond).....	14.95	
			<i>For Full Header Every 6th Course, Add</i>	0.46	
			<i>For English, Full Header Every Second Course, Add</i>	0.92	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.90	
			<i>For Curved Wall Application, Add</i>	2.31	
			<i>For Interior Veneer Construction, Add</i>	1.73	
			<i>For Stacked Bond, Add</i>	1.32	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	2.89	
			<i>For Corbels, Add</i>	8.66	
			<i>For Colored Mortar, Add</i>	0.34	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.32	
			<i>For Herringbone Pattern, Add</i>	2.07	
			<i>For Severe Weather (SW) Brick, Add</i>	0.51	
			<i>For Close Tolerance (FBX), Add</i>	1.41	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.48	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	11.71	
04 21	13 00-0022	SF	Jumbo Red Face Brick - 4" Back-up (3.0/SF With Running Bond)	12.25	
			<i>For Full Header Every 6th Course, Add</i>	0.39	
			<i>For English, Full Header Every Second Course, Add</i>	0.78	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.59	
			<i>For Curved Wall Application, Add</i>	1.95	
			<i>For Interior Veneer Construction, Add</i>	1.46	
			<i>For Stacked Bond, Add</i>	1.10	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	2.43	
			<i>For Corbels, Add</i>	7.30	
			<i>For Colored Mortar, Add</i>	0.25	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.10	
			<i>For Herringbone Pattern, Add</i>	1.71	
			<i>For Severe Weather (SW) Brick, Add</i>	0.38	
			<i>For Close Tolerance (FBX), Add</i>	1.16	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	14.72	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	9.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21	13 00-0023	SF	Jumbo Red Face Brick - 8" Back-up (6.0/SF With Running Bond)	19.86	
			<i>For Full Header Every 6th Course, Add</i>	0.59	
			<i>For English, Full Header Every Second Course, Add</i>	1.19	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.48	
			<i>For Curved Wall Application, Add</i>	2.97	
			<i>For Interior Veneer Construction, Add</i>	2.22	
			<i>For Stacked Bond, Add</i>	1.73	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.71	
			<i>For Corbels, Add</i>	11.12	
			<i>For Colored Mortar, Add</i>	0.50	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.73	
			<i>For Herringbone Pattern, Add</i>	2.73	
			<i>For Severe Weather (SW) Brick, Add</i>	0.75	
			<i>For Close Tolerance (FBX), Add</i>	1.86	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	22.50	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	15.08	
04 21	13 00-0024	SF	Jumbo Red Face Brick - 12" Solid (9.0/SF With Running Bond)	30.82	
			<i>For Full Header Every 6th Course, Add</i>	0.82	
			<i>For English, Full Header Every Second Course, Add</i>	1.65	
			<i>For Flemish, Alternate Header Every Course, Add</i>	3.60	
			<i>For Curved Wall Application, Add</i>	4.12	
			<i>For Interior Veneer Construction, Add</i>	3.09	
			<i>For Stacked Bond, Add</i>	2.57	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	5.15	
			<i>For Corbels, Add</i>	15.44	
			<i>For Colored Mortar, Add</i>	1.02	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.57	
			<i>For Herringbone Pattern, Add</i>	4.11	
			<i>For Severe Weather (SW) Brick, Add</i>	1.53	
			<i>For Close Tolerance (FBX), Add</i>	2.83	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	31.40	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	21.10	
04 21	13 00-0025	SF	Jumbo Red Face Brick - 16" Solid (12.0/SF With Running Bond).....	38.98	
			<i>For Full Header Every 6th Course, Add</i>	1.01	
			<i>For English, Full Header Every Second Course, Add</i>	2.03	
			<i>For Flemish, Alternate Header Every Course, Add</i>	4.48	
			<i>For Curved Wall Application, Add</i>	5.07	
			<i>For Interior Veneer Construction, Add</i>	3.80	
			<i>For Stacked Bond, Add</i>	3.22	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	6.34	
			<i>For Corbels, Add</i>	19.01	
			<i>For Colored Mortar, Add</i>	1.36	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	3.22	
			<i>For Herringbone Pattern, Add</i>	5.17	
			<i>For Severe Weather (SW) Brick, Add</i>	2.05	
			<i>For Close Tolerance (FBX), Add</i>	3.56	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	38.69	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	26.02	
04 21	13 00-0026		Other Brick Shapes <small>(04 21 13)</small>		
04 21	13 00-0027		Norman Face Brick <small>(04 21 13 00-0026)</small>		
			Note: 2-2/3" x 4" x 12".		
04 21	13 00-0028		Norman Brick, Red Face Running Bond <small>(04 21 13 00-0027)</small>		
04 21	13 00-0029	SF	Red Face Norman Brick - Veneer (4.5/SF With Running Bond)	18.46	
			<i>For Buff Or Gray Face, Add</i>	0.72	
			<i>For Marble Chip, Add</i>	0.94	
			<i>For Full Header Every 6th Course, Add</i>	0.57	
			<i>For English, Full Header Every Second Course, Add</i>	1.13	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.34	
			<i>For Curved Wall Application, Add</i>	2.83	
			<i>For Interior Veneer Construction, Add</i>	2.12	
			<i>For Stacked Bond, Add</i>	1.63	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.54	
			<i>For Corbels, Add</i>	10.62	
			<i>For Colored Mortar, Add</i>	0.43	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.63	
			<i>For Herringbone Pattern, Add</i>	2.55	
			<i>For Severe Weather (SW) Brick, Add</i>	0.65	
			<i>For Close Tolerance (FBX), Add</i>	1.74	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	21.46	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	14.38	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0030	SF		Red Face Norman Brick - Cavity Wall (4.5/SF With Running Bond).....	20.78	
			<i>For Buff Or Gray Face, Add</i>	0.72	
			<i>For Marble Chip, Add</i>	0.94	
			<i>For Full Header Every 6th Course, Add</i>	0.66	
			<i>For English, Full Header Every Second Course, Add</i>	1.32	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.69	
			<i>For Curved Wall Application, Add</i>	3.30	
			<i>For Interior Veneer Construction, Add</i>	2.47	
			<i>For Stacked Bond, Add</i>	1.86	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.12	
			<i>For Corbels, Add</i>	12.36	
			<i>For Colored Mortar, Add</i>	0.43	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.86	
			<i>For Herringbone Pattern, Add</i>	2.90	
			<i>For Severe Weather (SW) Brick, Add</i>	0.65	
			<i>For Close Tolerance (FBX), Add</i>	1.97	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	24.94	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	16.70	
04 21 13 00-0031			Engineer Brick (04 21 13 00-0026)		
			Note: 3-1/5" x 4" x 8".		
04 21 13 00-0032			Engineer Brick, Red Face Running Bond (04 21 13 00-0031)		
04 21 13 00-0033	SF		Engineer Brick - Veneer (5.06/SF With Running Bond).....	18.25	
			<i>For Full Header Every 6th Course, Add</i>	0.57	
			<i>For English, Full Header Every Second Course, Add</i>	1.13	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.33	
			<i>For Curved Wall Application, Add</i>	2.83	
			<i>For Interior Veneer Construction, Add</i>	2.12	
			<i>For Stacked Bond, Add</i>	1.62	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.54	
			<i>For Corbels, Add</i>	10.62	
			<i>For Colored Mortar, Add</i>	0.41	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.62	
			<i>For Herringbone Pattern, Add</i>	2.53	
			<i>For Severe Weather (SW) Brick, Add</i>	0.61	
			<i>For Close Tolerance (FBX), Add</i>	1.72	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	21.44	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	14.36	
04 21 13 00-0034	SF		Engineer Brick - Cavity Wall (5.06/SF With Running Bond).....	20.57	
			<i>For Full Header Every 6th Course, Add</i>	0.66	
			<i>For English, Full Header Every Second Course, Add</i>	1.32	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.68	
			<i>For Curved Wall Application, Add</i>	3.30	
			<i>For Interior Veneer Construction, Add</i>	2.47	
			<i>For Stacked Bond, Add</i>	1.85	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.12	
			<i>For Corbels, Add</i>	12.36	
			<i>For Colored Mortar, Add</i>	0.41	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.85	
			<i>For Herringbone Pattern, Add</i>	2.88	
			<i>For Severe Weather (SW) Brick, Add</i>	0.61	
			<i>For Close Tolerance (FBX), Add</i>	1.95	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	24.92	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	16.68	
04 21 13 00-0035			Roman Brick (04 21 13 00-0026)		
			Note: 2" x 4" x 12" or baby roman 2" x 4" x 8".		
04 21 13 00-0036			Roman Brick, Red Face Running Bond (04 21 13 00-0035)		
04 21 13 00-0037	SF		Roman Brick - Veneer (5.23/SF With Running Bond).....	19.36	
			<i>For Full Header Every 6th Course, Add</i>	0.57	
			<i>For English, Full Header Every Second Course, Add</i>	1.13	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.38	
			<i>For Curved Wall Application, Add</i>	2.83	
			<i>For Interior Veneer Construction, Add</i>	2.12	
			<i>For Stacked Bond, Add</i>	1.68	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.54	
			<i>For Corbels, Add</i>	10.62	
			<i>For Colored Mortar, Add</i>	0.52	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.68	
			<i>For Herringbone Pattern, Add</i>	2.64	
			<i>For Severe Weather (SW) Brick, Add</i>	0.78	
			<i>For Close Tolerance (FBX), Add</i>	1.81	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	21.50	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	14.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0038 SF Roman Brick - Cavity Wall (5.23/SF With Running Bond)	21.68	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.32	
For Flemish, Alternate Header Every Course, Add	2.73	
For Curved Wall Application, Add	3.30	
For Interior Veneer Construction, Add	2.47	
For Stacked Bond, Add	1.91	
For Battered Walls (Variable Depth Surface Placement), Add	4.12	
For Corbels, Add	12.36	
For Colored Mortar, Add	0.52	
For Basket Weave Or Soldier Bond Pattern, Add	1.91	
For Herringbone Pattern, Add	2.99	
For Severe Weather (SW) Brick, Add	0.78	
For Close Tolerance (FBX), Add	2.04	
For Small Area Replacements (Individual Areas) <10 SF, Add	24.98	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.74	
04 21 13 00-0039 SF Baby Roman Brick - Veneer (7.76/SF With Running Bond).....	20.31	
For Full Header Every 6th Course, Add	0.57	
For English, Full Header Every Second Course, Add	1.13	
For Flemish, Alternate Header Every Course, Add	2.43	
For Curved Wall Application, Add	2.83	
For Interior Veneer Construction, Add	2.12	
For Stacked Bond, Add	1.72	
For Battered Walls (Variable Depth Surface Placement), Add	3.54	
For Corbels, Add	10.62	
For Colored Mortar, Add	0.62	
For Basket Weave Or Soldier Bond Pattern, Add	1.72	
For Herringbone Pattern, Add	2.74	
For Severe Weather (SW) Brick, Add	0.92	
For Close Tolerance (FBX), Add	1.88	
For Small Area Replacements (Individual Areas) <10 SF, Add	21.55	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	14.47	
04 21 13 00-0040 SF Baby Roman Brick - Cavity Wall (7.76/SF With Running Bond)	22.63	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.32	
For Flemish, Alternate Header Every Course, Add	2.78	
For Curved Wall Application, Add	3.30	
For Interior Veneer Construction, Add	2.47	
For Stacked Bond, Add	1.96	
For Battered Walls (Variable Depth Surface Placement), Add	4.12	
For Corbels, Add	12.36	
For Colored Mortar, Add	0.62	
For Basket Weave Or Soldier Bond Pattern, Add	1.96	
For Herringbone Pattern, Add	3.09	
For Severe Weather (SW) Brick, Add	0.92	
For Close Tolerance (FBX), Add	2.11	
For Small Area Replacements (Individual Areas) <10 SF, Add	25.03	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.79	
04 21 13 00-0041 Norwegian Brick <small>(04 21 13 00-0026)</small>		
Note: 3-1/5" x 4" x 12" or 6" norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0042 Norwegian Brick, Red Face Running Bond <small>(04 21 13 00-0041)</small>		
04 21 13 00-0043 SF Norwegian Brick - Veneer (3.41/SF With Running Bond)	17.62	
For Full Header Every 6th Course, Add	0.57	
For English, Full Header Every Second Course, Add	1.13	
For Flemish, Alternate Header Every Course, Add	2.30	
For Curved Wall Application, Add	2.83	
For Interior Veneer Construction, Add	2.12	
For Stacked Bond, Add	1.59	
For Battered Walls (Variable Depth Surface Placement), Add	3.54	
For Corbels, Add	10.62	
For Colored Mortar, Add	0.35	
For Basket Weave Or Soldier Bond Pattern, Add	1.59	
For Herringbone Pattern, Add	2.47	
For Severe Weather (SW) Brick, Add	0.52	
For Close Tolerance (FBX), Add	1.68	
For Small Area Replacements (Individual Areas) <10 SF, Add	21.41	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	14.33	
04 21 13 00-0044 SF Norwegian Brick - Cavity Wall (3.41/SF With Running Bond).....	19.94	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.32	
For Flemish, Alternate Header Every Course, Add	2.65	
For Curved Wall Application, Add	3.30	
For Interior Veneer Construction, Add	2.47	
For Stacked Bond, Add	1.82	
For Battered Walls (Variable Depth Surface Placement), Add	4.12	
For Corbels, Add	12.36	
For Colored Mortar, Add	0.35	
For Basket Weave Or Soldier Bond Pattern, Add	1.82	
For Herringbone Pattern, Add	2.82	
For Severe Weather (SW) Brick, Add	0.52	
For Close Tolerance (FBX), Add	1.91	
For Small Area Replacements (Individual Areas) <10 SF, Add	24.89	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.65	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0045 SF 6" Norwegian Brick - Veneer (3.41/SF With Running Bond)	19.27	
For Full Header Every 6th Course, Add	0.57	
For English, Full Header Every Second Course, Add	1.13	
For Flemish, Alternate Header Every Course, Add	2.38	
For Curved Wall Application, Add	2.83	
For Interior Veneer Construction, Add	2.12	
For Stacked Bond, Add	1.67	
For Battered Walls (Variable Depth Surface Placement), Add	3.54	
For Corbels, Add	10.62	
For Colored Mortar, Add	0.51	
For Basket Weave Or Soldier Bond Pattern, Add	1.67	
For Herringbone Pattern, Add	2.64	
For Severe Weather (SW) Brick, Add	0.77	
For Close Tolerance (FBX), Add	1.80	
For Small Area Replacements (Individual Areas) <10 SF, Add	21.50	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	14.42	
04 21 13 00-0046 SF 6" Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	21.59	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.32	
For Flemish, Alternate Header Every Course, Add	2.73	
For Curved Wall Application, Add	3.30	
For Interior Veneer Construction, Add	2.47	
For Stacked Bond, Add	1.90	
For Battered Walls (Variable Depth Surface Placement), Add	4.12	
For Corbels, Add	12.36	
For Colored Mortar, Add	0.51	
For Basket Weave Or Soldier Bond Pattern, Add	1.90	
For Herringbone Pattern, Add	2.98	
For Severe Weather (SW) Brick, Add	0.77	
For Close Tolerance (FBX), Add	2.03	
For Small Area Replacements (Individual Areas) <10 SF, Add	24.98	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.74	
04 21 13 00-0047 Double Face Brick <small>(04 21 13 00-0026)</small>		
Note: 5-1/3" x 4" x 8".		
04 21 13 00-0048 Double Face Brick, Red Face Running Bond <small>(04 21 13 00-0047)</small>		
04 21 13 00-0049 SF Double Face Brick - Veneer (3.13/SF With Running Bond)	16.92	
For Full Header Every 6th Course, Add	0.57	
For English, Full Header Every Second Course, Add	1.13	
For Flemish, Alternate Header Every Course, Add	2.26	
For Curved Wall Application, Add	2.83	
For Interior Veneer Construction, Add	2.12	
For Stacked Bond, Add	1.55	
For Battered Walls (Variable Depth Surface Placement), Add	3.54	
For Corbels, Add	10.62	
For Colored Mortar, Add	0.28	
For Basket Weave Or Soldier Bond Pattern, Add	1.55	
For Herringbone Pattern, Add	2.40	
For Severe Weather (SW) Brick, Add	0.41	
For Close Tolerance (FBX), Add	1.62	
For Small Area Replacements (Individual Areas) <10 SF, Add	21.38	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	14.30	
04 21 13 00-0050 SF Double Face Brick - Cavity Wall (3.13/SF With Running Bond)	19.24	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.32	
For Flemish, Alternate Header Every Course, Add	2.61	
For Curved Wall Application, Add	3.30	
For Interior Veneer Construction, Add	2.47	
For Stacked Bond, Add	1.79	
For Battered Walls (Variable Depth Surface Placement), Add	4.12	
For Corbels, Add	12.36	
For Colored Mortar, Add	0.28	
For Basket Weave Or Soldier Bond Pattern, Add	1.79	
For Herringbone Pattern, Add	2.75	
For Severe Weather (SW) Brick, Add	0.41	
For Close Tolerance (FBX), Add	1.86	
For Small Area Replacements (Individual Areas) <10 SF, Add	24.86	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.62	
04 21 13 00-0051 Triple Face Brick <small>(04 21 13 00-0026)</small>		
Note: 5-1/3" x 4" x 12".		
04 21 13 00-0052 Triple Face Brick, Red Face Running Bond <small>(04 21 13 00-0051)</small>		



Masonry	04	04
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0053 SF Triple Face Brick - Veneer (2.11/SF With Running Bond)	16.47	
For Full Header Every 6th Course, Add	0.57	
For English, Full Header Every Second Course, Add	1.13	
For Flemish, Alternate Header Every Course, Add	2.24	
For Curved Wall Application, Add	2.83	
For Interior Veneer Construction, Add	2.12	
For Stacked Bond, Add	1.53	
For Battered Walls (Variable Depth Surface Placement), Add	3.54	
For Corbels, Add	10.62	
For Colored Mortar, Add	0.23	
For Basket Weave Or Soldier Bond Pattern, Add	1.53	
For Herringbone Pattern, Add	2.36	
For Severe Weather (SW) Brick, Add	0.35	
For Close Tolerance (FBX), Add	1.59	
For Small Area Replacements (Individual Areas) <10 SF, Add	21.36	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	14.28	
04 21 13 00-0054 SF Triple Face Brick - Cavity Wall (2.11/SF With Running Bond)	18.79	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.32	
For Flemish, Alternate Header Every Course, Add	2.59	
For Curved Wall Application, Add	3.30	
For Interior Veneer Construction, Add	2.47	
For Stacked Bond, Add	1.76	
For Battered Walls (Variable Depth Surface Placement), Add	4.12	
For Corbels, Add	12.36	
For Colored Mortar, Add	0.23	
For Basket Weave Or Soldier Bond Pattern, Add	1.76	
For Herringbone Pattern, Add	2.70	
For Severe Weather (SW) Brick, Add	0.35	
For Close Tolerance (FBX), Add	1.82	
For Small Area Replacements (Individual Areas) <10 SF, Add	24.84	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.60	
04 21 13 00-0055 SCR Face Brick (04 21 13 00-0026) Note: 2-2/3" x 6" x 12".		
04 21 13 00-0056 SCR Face Brick, Red Face Running Bond (04 21 13 00-0055)		
04 21 13 00-0057 SF SCR Face Brick - Veneer (4.03/SF With Running Bond)	20.11	
For Full Header Every 6th Course, Add	0.57	
For English, Full Header Every Second Course, Add	1.13	
For Flemish, Alternate Header Every Course, Add	2.42	
For Curved Wall Application, Add	2.83	
For Interior Veneer Construction, Add	2.12	
For Stacked Bond, Add	1.71	
For Battered Walls (Variable Depth Surface Placement), Add	3.54	
For Corbels, Add	10.62	
For Colored Mortar, Add	0.60	
For Basket Weave Or Soldier Bond Pattern, Add	1.71	
For Herringbone Pattern, Add	2.72	
For Severe Weather (SW) Brick, Add	0.89	
For Close Tolerance (FBX), Add	1.86	
For Small Area Replacements (Individual Areas) <10 SF, Add	21.54	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	14.46	
04 21 13 00-0058 SF SCR Face Brick - Cavity Wall (4.03/SF With Running Bond)	22.43	
For Full Header Every 6th Course, Add	0.66	
For English, Full Header Every Second Course, Add	1.32	
For Flemish, Alternate Header Every Course, Add	2.77	
For Curved Wall Application, Add	3.30	
For Interior Veneer Construction, Add	2.47	
For Stacked Bond, Add	1.95	
For Battered Walls (Variable Depth Surface Placement), Add	4.12	
For Corbels, Add	12.36	
For Colored Mortar, Add	0.60	
For Basket Weave Or Soldier Bond Pattern, Add	1.95	
For Herringbone Pattern, Add	3.07	
For Severe Weather (SW) Brick, Add	0.89	
For Close Tolerance (FBX), Add	2.09	
For Small Area Replacements (Individual Areas) <10 SF, Add	25.02	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.78	
04 21 13 00-0059 Fire Brick (04 21 13 00-0026) Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0060 Fire Brick, Red Face Running Bond (04 21 13 00-0059)		

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0061	SF		Fire Brick - Veneer (With Running Bond).....	20.27	
			For Full Header Every 6th Course, Add	0.57	
			For English, Full Header Every Second Course, Add	1.13	
			For Flemish, Alternate Header Every Course, Add	2.43	
			For Curved Wall Application, Add	2.83	
			For Interior Veneer Construction, Add	2.12	
			For Stacked Bond, Add	1.72	
			For Battered Walls (Variable Depth Surface Placement), Add	3.54	
			For Corbels, Add	10.62	
			For Colored Mortar, Add	0.61	
			For Basket Weave Or Soldier Bond Pattern, Add	1.72	
			For Herringbone Pattern, Add	2.74	
			For Severe Weather (SW) Brick, Add	0.92	
			For Close Tolerance (FBX), Add	1.87	
			For Small Area Replacements (Individual Areas) <10 SF, Add	21.55	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	14.47	
04 21 13 00-0062	SF		Fire Brick - Cavity Wall (With Running Bond)	22.59	
			For Full Header Every 6th Course, Add	0.66	
			For English, Full Header Every Second Course, Add	1.32	
			For Flemish, Alternate Header Every Course, Add	2.78	
			For Curved Wall Application, Add	3.30	
			For Interior Veneer Construction, Add	2.47	
			For Stacked Bond, Add	1.95	
			For Battered Walls (Variable Depth Surface Placement), Add	4.12	
			For Corbels, Add	12.36	
			For Colored Mortar, Add	0.61	
			For Basket Weave Or Soldier Bond Pattern, Add	1.95	
			For Herringbone Pattern, Add	3.08	
			For Severe Weather (SW) Brick, Add	0.92	
			For Close Tolerance (FBX), Add	2.11	
			For Small Area Replacements (Individual Areas) <10 SF, Add	25.03	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.79	
04 21 13 00-0063			Window Sill (04 21 13)		
04 21 13 00-0064	LF		Window Sill, Face Brick On Edge	19.94	
04 21 19			Clay Tile Masonry (04 21)		
04 21 19 00-0001			Scored Face, Hollow, Clay Backing Tile (04 21 19)		
04 21 19 00-0002			Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0003	SF		4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	16.72	
			For Smooth Face, One Side, Add	1.02	
			For Smooth Face, Two Sides, Add	1.71	
04 21 19 00-0004	SF		6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	18.15	
			For Smooth Face, One Side, Add	1.13	
			For Smooth Face, Two Sides, Add	1.90	
04 21 19 00-0005	SF		8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	20.32	
			For Smooth Face, One Side, Add	1.31	
			For Smooth Face, Two Sides, Add	2.22	
04 21 19 00-0006	SF		10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.70	
			For Smooth Face, One Side, Add	2.01	
			For Smooth Face, Two Sides, Add	3.46	
04 21 19 00-0007	SF		12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	36.23	
			For Smooth Face, One Side, Add	2.79	
			For Smooth Face, Two Sides, Add	4.85	
04 21 19 00-0008			Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0009	SF		3" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	14.04	
			For Smooth Face, One Side, Add	0.83	
			For Smooth Face, Two Sides, Add	1.37	
04 21 19 00-0010	SF		4" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	16.72	
			For Smooth Face, One Side, Add	1.07	
			For Smooth Face, Two Sides, Add	1.80	
04 21 19 00-0011	SF		6" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	17.17	
			For Smooth Face, One Side, Add	1.08	
			For Smooth Face, Two Sides, Add	1.83	
04 21 19 00-0012	SF		8" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	25.94	
			For Smooth Face, One Side, Add	1.91	
			For Smooth Face, Two Sides, Add	3.30	
04 21 19 00-0013	SF		12" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	35.19	
			For Smooth Face, One Side, Add	2.76	
			For Smooth Face, Two Sides, Add	4.81	
04 21 26			Glazed Structural Clay Tile Masonry (04 21)		
			Note: Includes tile and mortar in all colors.		
04 21 26 00-0001			6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002			Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003	SF		2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	24.12	
			For Stacked Bond, Add	1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	27.47	
<i>For Stacked Bond, Add</i>	1.55	
<i>For 1 Hour Fire Rating, Add</i>	1.97	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	33.21	
<i>For Stacked Bond, Add</i>	1.62	
<i>For 2 Hour Fire Rating, Add</i>	2.51	
04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	25.06	
<i>For Stacked Bond, Add</i>	1.84	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	29.53	
<i>For Stacked Bond, Add</i>	1.84	
04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	19.41	
<i>For Stacked Bond, Add</i>	0.99	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	24.00	
<i>For Stacked Bond, Add</i>	1.06	
<i>For 1 Hour Fire Rating, Add</i>	1.87	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	32.14	
<i>For Stacked Bond, Add</i>	1.13	
<i>For 2 Hour Fire Rating, Add</i>	2.65	
04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile.....	26.21	
<i>For Stacked Bond, Add</i>	1.27	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile.....	26.26	
<i>For Stacked Bond, Add</i>	1.27	
04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	25.38	
<i>For Stacked Bond, Add</i>	1.55	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	27.26	
<i>For Stacked Bond, Add</i>	1.55	
<i>For 1 Hour Fire Rating, Add</i>	1.95	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	33.84	
<i>For Stacked Bond, Add</i>	1.62	
<i>For 2 Hour Fire Rating, Add</i>	2.57	
04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023 LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile.....	25.34	
<i>For Stacked Bond, Add</i>	1.84	
04 21 26 00-0024 LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	29.39	
<i>For Stacked Bond, Add</i>	1.84	
04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026 SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	36.88	
04 21 26 00-0027 SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	40.29	
04 21 26 00-0028 SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	46.89	
04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030 SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	49.53	
04 21 26 00-0031 SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	57.14	
04 21 26 00-0032 SF 8" Thick, 8T Acoustical Glazed Tile.....	66.99	
04 21 29 Terra Cotta Masonry (04 21)		
04 21 29 00-0001 Coping (04 21 29) Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002 CF Thick Terra Cotta Coping (Veneer).....	116.60	30.05
<i>For Smooth Tile Instead Of Scored, Add</i>	9.14	
<i>For Reinforcing With Steel Rods, Add</i>	10.91	
04 21 29 00-0003 Partition Or Back Up (Scored) (04 21 29)		
04 21 29 00-0004 Non-load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0005 SF 3" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	12.71	
<i>For Smooth Tile Instead Of Scored, Add</i>	1.32	
<i>For Reinforcing With Steel Rods, Add</i>	1.37	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 29 00-0006	SF		4" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	13.59	
			<i>For Smooth Tile Instead Of Scored, Add</i>	1.38	
			<i>For Reinforcing With Steel Rods, Add</i>	1.45	
04 21 29 00-0007	SF		6" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	17.05	
			<i>For Smooth Tile Instead Of Scored, Add</i>	1.88	
			<i>For Reinforcing With Steel Rods, Add</i>	1.90	
04 21 29 00-0008	SF		8" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	20.56	
			<i>For Smooth Tile Instead Of Scored, Add</i>	2.37	
			<i>For Reinforcing With Steel Rods, Add</i>	2.34	
04 21 29 00-0009			Load Bearing, 12" x 12" <small>(04 21 29 00-0003)</small>		
04 21 29 00-0010			In Walls <small>(04 21 29 00-0009)</small>		
04 21 29 00-0011	SF		4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	14.26	
			<i>For Smooth Tile Instead Of Scored, Add</i>	1.50	
			<i>For Reinforcing With Steel Rods, Add</i>	1.55	
04 21 29 00-0012	SF		6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	18.58	
			<i>For Smooth Tile Instead Of Scored, Add</i>	2.16	
			<i>For Reinforcing With Steel Rods, Add</i>	2.13	
04 21 29 00-0013	SF		8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	22.05	
			<i>For Smooth Tile Instead Of Scored, Add</i>	2.64	
			<i>For Reinforcing With Steel Rods, Add</i>	2.57	
04 21 29 00-0014	SF		10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face.....	23.45	
			<i>For Smooth Tile Instead Of Scored, Add</i>	2.70	
			<i>For Reinforcing With Steel Rods, Add</i>	2.67	
04 21 29 00-0015	SF		12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face.....	28.04	
			<i>For Smooth Tile Instead Of Scored, Add</i>	3.27	
			<i>For Reinforcing With Steel Rods, Add</i>	3.22	
04 21 29 00-0016			In Floors <small>(04 21 29 00-0009)</small>		
04 21 29 00-0017	SF		4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	12.29	
			<i>For Smooth Tile Instead Of Scored, Add</i>	1.50	
			<i>For Reinforcing With Steel Rods, Add</i>	1.45	
04 21 29 00-0018	SF		6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	16.38	
			<i>For Smooth Tile Instead Of Scored, Add</i>	2.16	
			<i>For Reinforcing With Steel Rods, Add</i>	2.02	
04 21 29 00-0019	SF		8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	19.79	
			<i>For Smooth Tile Instead Of Scored, Add</i>	2.64	
			<i>For Reinforcing With Steel Rods, Add</i>	2.45	
04 21 29 00-0020	SF		10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	20.91	
			<i>For Smooth Tile Instead Of Scored, Add</i>	2.70	
			<i>For Reinforcing With Steel Rods, Add</i>	2.54	
04 21 29 00-0021	SF		12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	24.75	
			<i>For Smooth Tile Instead Of Scored, Add</i>	3.27	
			<i>For Reinforcing With Steel Rods, Add</i>	3.05	
04 22			Concrete Unit Masonry <small>(04 20)</small>		
			Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.		
04 22 23			Architectural Concrete Unit Masonry <small>(04 22)</small>		
04 22 23 13			Exposed Aggregate Concrete Unit Masonry <small>(04 22 23)</small>		
04 22 23 13-0001			Back-Up Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0002			Back-Up Concrete Blocks <small>(04 22 23 13-0001)</small>		
04 22 23 13-0003	SF		8" x 16" x 2", Solid, Back-Up Concrete Block.....	8.63	
			<i>For Special Color, Add</i>	1.24	
			<i>For Stacked Bond, Add</i>	1.86	
			<i>For Scored Block, Add</i>	0.30	
			<i>For Curved Wall Application, Add</i>	1.43	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	10.82	
04 22 23 13-0004	SF		8" x 16" x 4", Regular, Back-Up Concrete Block	8.79	
			<i>For Special Color, Add</i>	1.07	
			<i>For Stacked Bond, Add</i>	1.95	
			<i>For Scored Block, Add</i>	0.26	
			<i>For Curved Wall Application, Add</i>	1.50	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	11.35	
04 22 23 13-0005	SF		8" x 16" x 6", Regular, Back-Up Concrete Block	9.98	
			<i>For Special Color, Add</i>	1.34	
			<i>For Stacked Bond, Add</i>	2.17	
			<i>For Scored Block, Add</i>	0.32	
			<i>For Curved Wall Application, Add</i>	1.67	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	12.66	
04 22 23 13-0006	SF		8" x 16" x 8", Regular, Back-Up Concrete Block	10.74	
			<i>For Special Color, Add</i>	1.57	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Scored Block, Add</i>	0.38	
			<i>For Curved Wall Application, Add</i>	1.77	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0007 SF 8" x 16" x 10", Regular, Back-Up Concrete Block.....	11.64	
<i>For Special Color, Add</i>	2.09	
<i>For Stacked Bond, Add</i>	2.37	
<i>For Scored Block, Add</i>	0.50	
<i>For Curved Wall Application, Add</i>	1.82	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.87	
04 22 23 13-0008 SF 8" x 16" x 12", Regular, Back-Up Concrete Block.....	13.86	
<i>For Special Color, Add</i>	2.18	
<i>For Stacked Bond, Add</i>	2.92	
<i>For Scored Block, Add</i>	0.53	
<i>For Curved Wall Application, Add</i>	2.25	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.04	
04 22 23 13-0009 Foundation Wall Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0010 Foundation Wall Concrete Blocks <small>(04 22 23 13-0009)</small>		
04 22 23 13-0011 SF 8" x 16" x 6", Regular, Foundation Wall Concrete Block.....	9.03	
<i>For Special Color, Add</i>	1.34	
<i>For Stacked Bond, Add</i>	1.93	
<i>For Scored Block, Add</i>	0.32	
<i>For Curved Wall Application, Add</i>	1.48	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	11.24	
04 22 23 13-0012 SF 8" x 16" x 8", Regular, Foundation Wall Concrete Block.....	9.80	
<i>For Special Color, Add</i>	1.57	
<i>For Stacked Bond, Add</i>	2.06	
<i>For Scored Block, Add</i>	0.38	
<i>For Curved Wall Application, Add</i>	1.58	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	12.01	
04 22 23 13-0013 SF 8" x 16" x 10", Regular, Foundation Wall Concrete Block.....	11.24	
<i>For Special Color, Add</i>	2.09	
<i>For Stacked Bond, Add</i>	2.27	
<i>For Scored Block, Add</i>	0.50	
<i>For Curved Wall Application, Add</i>	1.74	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.27	
04 22 23 13-0014 SF 8" x 16" x 12", Regular, Foundation Wall Concrete Block.....	13.86	
<i>For Special Color, Add</i>	2.18	
<i>For Stacked Bond, Add</i>	2.92	
<i>For Scored Block, Add</i>	0.53	
<i>For Curved Wall Application, Add</i>	2.25	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.04	
04 22 23 13-0015 SF 8" x 16" x 6", Solid, Foundation Wall Concrete Block.....	9.77	
<i>For Special Color, Add</i>	1.80	
<i>For Stacked Bond, Add</i>	1.98	
<i>For Scored Block, Add</i>	0.43	
<i>For Curved Wall Application, Add</i>	1.52	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	11.56	
04 22 23 13-0016 SF 8" x 16" x 8", Solid, Foundation Wall Concrete Block.....	10.80	
<i>For Special Color, Add</i>	2.12	
<i>For Stacked Bond, Add</i>	2.14	
<i>For Scored Block, Add</i>	0.51	
<i>For Curved Wall Application, Add</i>	1.65	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	12.55	
04 22 23 13-0017 SF 8" x 16" x 10", Solid, Foundation Wall Concrete Block.....	12.28	
<i>For Special Color, Add</i>	2.62	
<i>For Stacked Bond, Add</i>	2.37	
<i>For Scored Block, Add</i>	0.63	
<i>For Curved Wall Application, Add</i>	1.82	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.92	
04 22 23 13-0018 SF 8" x 16" x 12", Solid, Foundation Wall Concrete Block.....	15.20	
<i>For Special Color, Add</i>	2.82	
<i>For Stacked Bond, Add</i>	3.07	
<i>For Scored Block, Add</i>	0.68	
<i>For Curved Wall Application, Add</i>	2.36	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.96	
04 22 23 13-0019 Partition Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0020 Lightweight, Regular, Partition Concrete Blocks <small>(04 22 23 13-0019)</small>		
04 22 23 13-0021 SF 8" x 16" x 4", Lightweight, Regular, Partition Concrete Block.....	8.88	
<i>For Special Color, Add</i>	1.15	
<i>For Stacked Bond, Add</i>	1.95	
<i>For Scored Block, Add</i>	0.28	
<i>For Curved Wall Application, Add</i>	1.50	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	11.35	
04 22 23 13-0022 SF 8" x 16" x 6", Lightweight, Regular, Partition Concrete Block.....	9.88	
<i>For Special Color, Add</i>	1.45	
<i>For Stacked Bond, Add</i>	2.11	
<i>For Scored Block, Add</i>	0.35	
<i>For Curved Wall Application, Add</i>	1.63	
<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	12.33	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0023	SF		8" x 16" x 8", Lightweight, Regular, Partition Concrete Block.....	10.69	
			<i>For Special Color, Add</i>	1.64	
			<i>For Stacked Bond, Add</i>	2.27	
			<i>For Scored Block, Add</i>	0.39	
			<i>For Curved Wall Application, Add</i>	1.74	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.23	
04 22 23 13-0024	SF		8" x 16" x 10", Lightweight, Regular, Partition Concrete Block.....	11.75	
			<i>For Special Color, Add</i>	2.18	
			<i>For Stacked Bond, Add</i>	2.37	
			<i>For Scored Block, Add</i>	0.53	
			<i>For Curved Wall Application, Add</i>	1.82	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.88	
04 22 23 13-0025	SF		8" x 16" x 12", Lightweight, Regular, Partition Concrete Block.....	14.06	
			<i>For Special Color, Add</i>	2.35	
			<i>For Stacked Bond, Add</i>	2.92	
			<i>For Scored Block, Add</i>	0.57	
			<i>For Curved Wall Application, Add</i>	2.25	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.06	
04 22 23 13-0026			Lightweight, Solid, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0027	SF		8" x 16" x 4", Lightweight, Solid, Partition Concrete Block.....	9.54	
			<i>For Special Color, Add</i>	1.53	
			<i>For Stacked Bond, Add</i>	2.00	
			<i>For Scored Block, Add</i>	0.37	
			<i>For Curved Wall Application, Add</i>	1.54	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	11.69	
04 22 23 13-0028	SF		8" x 16" x 6", Lightweight, Solid, Partition Concrete Block.....	10.46	
			<i>For Special Color, Add</i>	1.65	
			<i>For Stacked Bond, Add</i>	2.20	
			<i>For Scored Block, Add</i>	0.40	
			<i>For Curved Wall Application, Add</i>	1.69	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	12.85	
04 22 23 13-0029	SF		8" x 16" x 8", Lightweight, Solid, Partition Concrete Block.....	11.05	
			<i>For Special Color, Add</i>	1.71	
			<i>For Stacked Bond, Add</i>	2.34	
			<i>For Scored Block, Add</i>	0.41	
			<i>For Curved Wall Application, Add</i>	1.80	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.64	
04 22 23 13-0030	SF		8" x 16" x 10", Lightweight, Solid, Partition Concrete Block.....	12.26	
			<i>For Special Color, Add</i>	2.37	
			<i>For Stacked Bond, Add</i>	2.45	
			<i>For Scored Block, Add</i>	0.57	
			<i>For Curved Wall Application, Add</i>	1.88	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	14.33	
04 22 23 13-0031	SF		8" x 16" x 12", Lightweight, Solid, Partition Concrete Block.....	14.65	
			<i>For Special Color, Add</i>	2.53	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.61	
			<i>For Curved Wall Application, Add</i>	2.32	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.63	
04 22 23 13-0032			Normal Weight, Regular, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0033	SF		8" x 16" x 4", Normal Weight, Regular, Partition Concrete Block.....	9.08	
			<i>For Special Color, Add</i>	1.15	
			<i>For Stacked Bond, Add</i>	2.00	
			<i>For Scored Block, Add</i>	0.28	
			<i>For 4" High (Half Height) Block, Add</i>	1.34	
			<i>For Curved Wall Application, Add</i>	1.54	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	11.65	
04 22 23 13-0034	SF		8" x 16" x 6", Normal Weight, Regular, Partition Concrete Block.....	10.05	
			<i>For Special Color, Add</i>	1.31	
			<i>For Stacked Bond, Add</i>	2.20	
			<i>For Scored Block, Add</i>	0.32	
			<i>For 4" High (Half Height) Block, Add</i>	1.49	
			<i>For Curved Wall Application, Add</i>	1.69	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	12.82	
04 22 23 13-0035	SF		8" x 16" x 8", Normal Weight, Regular, Partition Concrete Block.....	10.81	
			<i>For Special Color, Add</i>	1.51	
			<i>For Stacked Bond, Add</i>	2.34	
			<i>For Scored Block, Add</i>	0.36	
			<i>For 4" High (Half Height) Block, Add</i>	1.65	
			<i>For Curved Wall Application, Add</i>	1.80	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.62	
04 22 23 13-0036	SF		8" x 16" x 10", Normal Weight, Regular, Partition Concrete Block.....	12.92	
			<i>For Special Color, Add</i>	2.91	
			<i>For Stacked Bond, Add</i>	2.45	
			<i>For Scored Block, Add</i>	0.70	
			<i>For 4" High (Half Height) Block, Add</i>	2.38	
			<i>For Curved Wall Application, Add</i>	1.88	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	14.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23	13-0037	SF	8" x 16" x 12", Normal Weight, Regular, Partition Concrete Block.....	15.22	
			<i>For Special Color, Add</i>	3.00	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.72	
			<i>For 4" High (Half Height) Block, Add</i>	2.64	
			<i>For Curved Wall Application, Add</i>	2.32	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.67	
04 22 23	13-0038		Normal Weight, Solid, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23	13-0039	SF	8" x 16" x 4", Normal Weight, Solid, Partition Concrete Block	9.66	
			<i>For Special Color, Add</i>	1.45	
			<i>For Stacked Bond, Add</i>	2.06	
			<i>For Scored Block, Add</i>	0.35	
			<i>For 4" High (Half Height) Block, Add</i>	1.51	
			<i>For Curved Wall Application, Add</i>	1.58	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	12.00	
04 22 23	13-0040	SF	8" x 16" x 6", Normal Weight, Solid, Partition Concrete Block	10.34	
			<i>For Special Color, Add</i>	1.34	
			<i>For Stacked Bond, Add</i>	2.27	
			<i>For Scored Block, Add</i>	0.32	
			<i>For 4" High (Half Height) Block, Add</i>	1.54	
			<i>For Curved Wall Application, Add</i>	1.74	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	13.20	
04 22 23	13-0041	SF	8" x 16" x 8", Normal Weight, Solid, Partition Concrete Block	11.16	
			<i>For Special Color, Add</i>	1.57	
			<i>For Stacked Bond, Add</i>	2.41	
			<i>For Scored Block, Add</i>	0.38	
			<i>For 4" High (Half Height) Block, Add</i>	1.70	
			<i>For Curved Wall Application, Add</i>	1.85	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	14.05	
04 22 23	13-0042	SF	8" x 16" x 10", Normal Weight, Solid, Partition Concrete Block.....	12.24	
			<i>For Special Color, Add</i>	2.09	
			<i>For Stacked Bond, Add</i>	2.53	
			<i>For Scored Block, Add</i>	0.50	
			<i>For 4" High (Half Height) Block, Add</i>	2.01	
			<i>For Curved Wall Application, Add</i>	1.94	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	14.77	
04 22 23	13-0043	SF	8" x 16" x 12", Normal Weight, Solid, Partition Concrete Block.....	14.63	
			<i>For Special Color, Add</i>	2.18	
			<i>For Stacked Bond, Add</i>	3.12	
			<i>For Scored Block, Add</i>	0.53	
			<i>For 4" High (Half Height) Block, Add</i>	2.28	
			<i>For Curved Wall Application, Add</i>	2.40	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	18.20	
04 22 23	13-0044		High Strength Concrete Blocks (04 22 23 13)		
04 22 23	13-0045		3,500 PSI, High Strength Concrete Blocks (04 22 23 13-0044)		
04 22 23	13-0046	SF	8" x 16" x 2", 3,500 PSI, High Strength Concrete Block.....	8.72	
			<i>For Special Color, Add</i>	1.16	
			<i>For Stacked Bond, Add</i>	1.90	
			<i>For Scored Block, Add</i>	0.28	
			<i>For Curved Wall Application, Add</i>	1.46	
04 22 23	13-0047	SF	8" x 16" x 4", 3,500 PSI, High Strength Concrete Block.....	9.01	
			<i>For Special Color, Add</i>	1.09	
			<i>For Stacked Bond, Add</i>	2.00	
			<i>For Scored Block, Add</i>	0.26	
			<i>For Curved Wall Application, Add</i>	1.54	
04 22 23	13-0048	SF	8" x 16" x 6", 3,500 PSI, High Strength Concrete Block.....	10.16	
			<i>For Special Color, Add</i>	1.40	
			<i>For Stacked Bond, Add</i>	2.20	
			<i>For Scored Block, Add</i>	0.34	
			<i>For Curved Wall Application, Add</i>	1.69	
04 22 23	13-0049	SF	8" x 16" x 8", 3,500 PSI, High Strength Concrete Block.....	11.00	
			<i>For Special Color, Add</i>	1.67	
			<i>For Stacked Bond, Add</i>	2.34	
			<i>For Scored Block, Add</i>	0.40	
			<i>For Curved Wall Application, Add</i>	1.80	
04 22 23	13-0050	SF	8" x 16" x 10", 3,500 PSI, High Strength Concrete Block.....	12.35	
			<i>For Special Color, Add</i>	2.32	
			<i>For Stacked Bond, Add</i>	2.49	
			<i>For Scored Block, Add</i>	0.56	
			<i>For Curved Wall Application, Add</i>	1.91	
04 22 23	13-0051	SF	8" x 16" x 12", 3,500 PSI, High Strength Concrete Block.....	14.53	
			<i>For Special Color, Add</i>	2.43	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.59	
			<i>For Curved Wall Application, Add</i>	2.32	
04 22 23	13-0052		Solar Screen Concrete Blocks (04 22 23 13)		
04 22 23	13-0053		Solar Screen Concrete Blocks (04 22 23 13-0052)		

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0054 SF 6" x 6" x 4" Solar Screen Concrete Block.....	12.27	
For Special Color, Add	2.73	
For Stacked Bond, Add	2.33	
For Scored Block, Add	0.66	
For Curved Wall Application, Add	1.80	
04 22 23 13-0055 SF 8" x 8" x 4" Solar Screen Concrete Block.....	13.18	
For Special Color, Add	2.76	
For Stacked Bond, Add	2.56	
For Scored Block, Add	0.67	
For Curved Wall Application, Add	1.97	
04 22 23 13-0056 SF 12" x 12" x 4" Solar Screen Concrete Block.....	15.21	
For Special Color, Add	3.48	
For Stacked Bond, Add	2.87	
For Scored Block, Add	0.84	
For Curved Wall Application, Add	2.20	
04 22 23 13-0057 SF 8" x 16" x 8" Solar Screen Concrete Block.....	21.42	
For Special Color, Add	4.27	
For Stacked Bond, Add	4.23	
For Scored Block, Add	1.03	
For Curved Wall Application, Add	3.25	
04 22 23 13-0058 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0059 Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0058)		
Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0060 LF 8" x 16" x 6" Regular Weight, Bond Beam Or Lintel Concrete Block.....	10.32	
For Special Color, Add	1.54	
For Stacked Bond, Add	2.20	
For Grout And Fill With 2 #5 Rebar, Add	6.09	
For Scored Block, Add	0.37	
For Curved Wall Application, Add	1.69	
04 22 23 13-0061 LF 8" x 16" x 8" Regular Weight, Bond Beam Or Lintel Concrete Block.....	11.29	
For Special Color, Add	1.91	
For Stacked Bond, Add	2.34	
For Grout And Fill With 2 #5 Rebar, Add	6.80	
For Scored Block, Add	0.46	
For Curved Wall Application, Add	1.80	
04 22 23 13-0062 LF 8" x 16" x 12" Regular Weight, Bond Beam Or Lintel Concrete Block.....	14.07	
For Special Color, Add	2.05	
For Stacked Bond, Add	3.02	
For Grout And Fill With 2 #5 Rebar, Add	8.27	
For Scored Block, Add	0.49	
For Curved Wall Application, Add	2.32	
04 22 23 13-0063 LF 8" x 16" x 6" Lightweight, Bond Beam Or Lintel Concrete Block.....	10.29	
For Special Color, Add	1.79	
For Stacked Bond, Add	2.11	
For Grout And Fill With 2 #5 Rebar, Add	6.23	
For Scored Block, Add	0.43	
For Curved Wall Application, Add	1.63	
04 22 23 13-0064 LF 8" x 16" x 8" Lightweight, Bond Beam Or Lintel Concrete Block.....	11.33	
For Special Color, Add	2.17	
For Stacked Bond, Add	2.27	
For Grout And Fill With 2 #5 Rebar, Add	6.97	
For Scored Block, Add	0.52	
For Curved Wall Application, Add	1.74	
04 22 23 13-0065 LF 8" x 16" x 12" Lightweight, Bond Beam Or Lintel Concrete Block.....	14.01	
For Special Color, Add	2.31	
For Stacked Bond, Add	2.92	
For Grout And Fill With 2 #5 Rebar, Add	8.40	
For Scored Block, Add	0.56	
For Curved Wall Application, Add	2.25	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)		
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23-0002 SF 8" x 16" x 4" Ground Face Concrete Block.....	11.62	
For Special Color, Add	1.83	
For Stacked Bond, Add	2.45	
For Scored Block, Add	0.44	
For Curved Wall Application, Add	1.88	
For Small Area Replacements (Individual Areas) <10 SF, Add	14.28	
04 22 23 23-0003 SF 8" x 16" x 6" Ground Face Concrete Block.....	13.11	
For Special Color, Add	2.09	
For Stacked Bond, Add	2.75	
For Scored Block, Add	0.50	
For Curved Wall Application, Add	2.12	
For Small Area Replacements (Individual Areas) <10 SF, Add	16.07	
04 22 23 23-0004 SF 8" x 16" x 8" Ground Face Concrete Block.....	14.17	
For Special Color, Add	2.47	
For Stacked Bond, Add	2.91	
For Scored Block, Add	0.60	
For Curved Wall Application, Add	2.24	
For Small Area Replacements (Individual Areas) <10 SF, Add	17.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 23-0005 SF 8" x 16" x 10" Ground Face Concrete Block	15.15	
For Special Color, Add	2.73	
For Stacked Bond, Add	3.08	
For Scored Block, Add	0.66	
For Curved Wall Application, Add	2.37	
For Small Area Replacements (Individual Areas) <10 SF, Add	18.04	
04 22 23 23-0006 SF 8" x 16" x 12" Ground Face Concrete Block	18.09	
For Special Color, Add	2.98	
For Stacked Bond, Add	3.77	
For Scored Block, Add	0.72	
For Curved Wall Application, Add	2.90	
For Small Area Replacements (Individual Areas) <10 SF, Add	22.02	
 04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)		
04 22 23 26-0001 Acoustical Slotted Concrete Block (04 22 23 26)		
04 22 23 26-0002 SF 4" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	15.52	
For Special Color, Add	0.55	
For Stacked Bond, Add	0.94	
04 22 23 26-0003 SF 6" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	17.40	
For Special Color, Add	0.65	
For Stacked Bond, Add	1.02	
04 22 23 26-0004 SF 8" Thick, .50 - .60 NRC, Slotted, Acoustical Concrete Block	20.02	
For Special Color, Add	0.79	
For Stacked Bond, Add	1.12	
04 22 23 26-0005 SF 4" Thick, .65 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	21.08	
For Special Color, Add	1.05	
For Stacked Bond, Add	0.94	
04 22 23 26-0006 SF 8" Thick, .50 - .60 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	21.08	
For Special Color, Add	0.89	
For Stacked Bond, Add	1.12	
04 22 23 26-0007 SF 8" Thick, .60 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	22.47	
For Special Color, Add	1.02	
For Stacked Bond, Add	1.12	
 04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)		
04 22 23 29-0001 Modified Face Concrete Blocks (04 22 23 29)		
04 22 23 29-0002 Plain Or Scored Split Faced Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0003 SF 8" x 16" x 4" Plain Or Scored Split Face Concrete Block	11.89	
For Special Color, Add	2.06	
For Stacked Bond, Add	2.45	
For Curved Wall Application, Add	1.88	
For Small Area Replacements (Individual Areas) <10 SF, Add	14.30	
04 22 23 29-0004 SF 8" x 16" x 6" Plain Or Scored Split Face Concrete Block	13.42	
For Special Color, Add	2.35	
For Stacked Bond, Add	2.75	
For Curved Wall Application, Add	2.12	
For Small Area Replacements (Individual Areas) <10 SF, Add	16.10	
04 22 23 29-0005 SF 8" x 16" x 8" Plain Or Scored Split Face Concrete Block	14.52	
For Special Color, Add	2.76	
For Stacked Bond, Add	2.91	
For Curved Wall Application, Add	2.24	
For Small Area Replacements (Individual Areas) <10 SF, Add	17.03	
04 22 23 29-0006 SF 8" x 16" x 10" Plain Or Scored Split Face Concrete Block	15.56	
For Special Color, Add	3.07	
For Stacked Bond, Add	3.08	
For Curved Wall Application, Add	2.37	
For Small Area Replacements (Individual Areas) <10 SF, Add	18.07	
04 22 23 29-0007 SF 8" x 16" x 12" Plain Or Scored Split Face Concrete Block	18.07	
For Special Color, Add	2.96	
For Stacked Bond, Add	3.77	
For Curved Wall Application, Add	2.90	
For Small Area Replacements (Individual Areas) <10 SF, Add	22.02	
 04 22 23 29-0008 Plain Or Scored Split Faced Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009 SF 8" x 16" x 4" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	12.51	
For Special Color, Add	2.57	
For Stacked Bond, Add	2.45	
For Grout And Fill With 2 #5 Rebar, Add	7.81	
For Curved Wall Application, Add	1.88	
For Small Area Replacements (Individual Areas) <10 SF, Add	14.35	
04 22 23 29-0010 SF 8" x 16" x 6" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	14.12	
For Special Color, Add	2.93	
For Stacked Bond, Add	2.75	
For Grout And Fill With 2 #5 Rebar, Add	8.83	
For Curved Wall Application, Add	2.12	
For Small Area Replacements (Individual Areas) <10 SF, Add	16.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0011	SF		8" x 16" x 8" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	15.36	
			<i>For Special Color, Add</i>	3.46	
			<i>For Stacked Bond, Add</i>	2.91	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.77	
			<i>For Curved Wall Application, Add</i>	2.24	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.10	
04 22 23 29-0012	SF		8" x 16" x 10" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	16.49	
			<i>For Special Color, Add</i>	3.84	
			<i>For Stacked Bond, Add</i>	3.08	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	10.56	
			<i>For Curved Wall Application, Add</i>	2.37	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	18.14	
04 22 23 29-0013	SF		8" x 16" x 12" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	18.97	
			<i>For Special Color, Add</i>	3.71	
			<i>For Stacked Bond, Add</i>	3.77	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	11.72	
			<i>For Curved Wall Application, Add</i>	2.90	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	22.09	
04 22 23 29-0014			Profile Units, Split Rib Concrete Block (04 22 23 29)		
04 22 23 29-0015			1" Deep Ribs, Profile Units, Split Rib Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016	SF		8" x 16" x 4", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	11.69	
			<i>For Special Color, Add</i>	1.89	
			<i>For Stacked Bond, Add</i>	2.45	
			<i>For Scored Block, Add</i>	0.46	
			<i>For Curved Wall Application, Add</i>	1.88	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	14.29	
04 22 23 29-0017	SF		8" x 16" x 6", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	13.88	
			<i>For Special Color, Add</i>	2.73	
			<i>For Stacked Bond, Add</i>	2.75	
			<i>For Scored Block, Add</i>	0.66	
			<i>For Curved Wall Application, Add</i>	2.12	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	16.13	
04 22 23 29-0018	SF		8" x 16" x 8", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	14.76	
			<i>For Special Color, Add</i>	2.96	
			<i>For Stacked Bond, Add</i>	2.91	
			<i>For Scored Block, Add</i>	0.71	
			<i>For Curved Wall Application, Add</i>	2.24	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	17.05	
04 22 23 29-0019	SF		8" x 16" x 10", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	15.76	
			<i>For Special Color, Add</i>	3.24	
			<i>For Stacked Bond, Add</i>	3.08	
			<i>For Scored Block, Add</i>	0.78	
			<i>For Curved Wall Application, Add</i>	2.37	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	18.08	
04 22 23 29-0020	SF		8" x 16" x 12", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	18.77	
			<i>For Special Color, Add</i>	3.54	
			<i>For Stacked Bond, Add</i>	3.77	
			<i>For Scored Block, Add</i>	0.85	
			<i>For Curved Wall Application, Add</i>	2.90	
			<i>For Small Area Replacements (Individual Areas) <10 SF, Add</i>	22.07	
04 22 23 31			Glazed Concrete Masonry Unit (04 22 23)		
			Note: Includes concrete block and mortar.		
04 22 23 31-0001			One Glazed Face Concrete Blocks (04 22 23 31)		
04 22 23 31-0002			One Glazed Face Concrete Blocks (04 22 23 31-0001)		
04 22 23 31-0003	SF		4" Thick, One Glazed Face Concrete Block	20.08	
			<i>For Special Shapes, Add</i>	10.96	
04 22 23 31-0004	SF		6" Thick, One Glazed Face Concrete Block	21.52	
			<i>For Special Shapes, Add</i>	11.47	
04 22 23 31-0005	SF		8" Thick, One Glazed Face Concrete Block	22.79	
			<i>For Special Shapes, Add</i>	12.20	
04 22 23 31-0006	SF		10" Thick, One Glazed Face Concrete Block	24.14	
			<i>For Special Shapes, Add</i>	12.95	
04 22 23 31-0007	SF		12" Thick, One Glazed Face Concrete Block	27.23	
			<i>For Special Shapes, Add</i>	13.58	
04 22 23 31-0008			Two Glazed Faces Concrete Blocks (04 22 23 31)		
04 22 23 31-0009			Two Glazed Faces Concrete Blocks (04 22 23 31-0008)		
04 22 23 31-0010	SF		4" Thick, Two Glazed Faces Concrete Block	26.68	
			<i>For Special Shapes, Add</i>	16.27	
04 22 23 31-0011	SF		6" Thick, Two Glazed Faces Concrete Block	28.00	
			<i>For Special Shapes, Add</i>	16.81	
04 22 23 31-0012	SF		8" Thick, Two Glazed Faces Concrete Block	29.90	
			<i>For Special Shapes, Add</i>	17.54	
04 22 23 31-0013			Glazed Cove Base Concrete Blocks (04 22 23 31)		



Masonry	04	04
Unit Masonry	04 20	
Concrete Unit Masonry	04 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0014 LF 2" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	21.67 9.81	
04 22 23 31-0015 LF 4" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	22.92 10.02	
04 22 23 31-0016 LF 6" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	24.56 10.44	
04 22 23 31-0017 LF 8" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	26.17 10.96	
04 22 23 31-0018 Glazed Corner, Bullnose Or Square Concrete Blocks (04 22 23 31)		
04 22 23 31-0019 EA 2" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	28.21 18.80	
04 22 23 31-0020 EA 4" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	32.88 22.47	
04 22 23 31-0021 EA 6" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	35.12 23.72	
04 22 23 31-0022 EA 8" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	36.84 24.98	
04 22 23 31-0023 EA 10" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	56.23 43.87	
04 22 23 31-0024 EA 12" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	64.19 49.05	
04 23 Glass Unit Masonry (04 20)		
04 23 13 Vertical Glass Unit Masonry (04 23)		
Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)		
04 23 13 00-0002 SF 6" x 6" x 4" Plain Glass Block..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	40.26 5.69 3.25 5.69 16.25 -4.06 -3.20 -5.21	
04 23 13 00-0003 SF 8" x 8" x 4" Plain Glass Block..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	29.16 4.03 2.30 4.03 11.51 -2.88 -2.33 -3.79	
04 23 13 00-0004 SF 12" x 12" x 4" Plain Glass Block..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	30.94 5.15 2.94 5.15 14.70 -3.68 -2.35 -3.90	
04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)		
04 23 13 00-0006 SF 3" x 8" x 3" Solid Glass Block (Vistabrik®).....	297.03	
04 23 13 00-0007 SF 4" x 8" x 3" Solid Glass Block (Vistabrik®).....	227.78	
04 23 13 00-0008 SF 6" x 8" x 3" Solid Glass Block (Vistabrik®).....	159.37	
04 23 13 00-0009 SF 8" x 8" x 3" Solid Glass Block (Vistabrik®).....	112.08	
04 26 Single-Wythe Unit Masonry (04 20)		
04 26 13 Masonry Veneer (04 26)		
04 26 13 00-0001 Brick Veneer And Accessories (04 26 13)		
04 26 13 00-0002 Brick Stretchers (04 26 13 00-0001)		
04 26 13 00-0003 SF 1/2" x 2-1/4" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish..... <i>For Sand Finish, Deduct</i> <i>For Wire Cut Finish, Add</i>	10.77 -0.78 0.70	1.03
04 26 13 00-0004 SF 1/2" x 3-5/8" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish..... <i>For Sand Finish, Deduct</i> <i>For Wire Cut Finish, Add</i>	11.03 -0.78 0.70	1.16
04 26 13 00-0005 SF 1/2" x 3-5/8" x 11-5/8" Brick Veneer, Stretcher, Smooth Finish..... <i>For Sand Finish, Deduct</i> <i>For Wire Cut Finish, Add</i>	11.36 -0.78 0.70	1.33
04 26 13 00-0006 Brick Corners (04 26 13 00-0001)		
04 26 13 00-0007 LF 1/2" x 2-1/4" x 7-5/8" Brick Veneer, Smooth Finish, Corner.....	20.53	3.08

04	04	Masonry
	04 20	Unit Masonry
	04 26	Single-Wythe Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 26 13 00-0008 LF 1/2" x 3-5/8" x 7-5/8" Brick Veneer, Smooth Finish, Corner	18.14	3.08
04 26 13 00-0009 Brick Caps And Sills (04 26 13 00-0001)		
04 26 13 00-0010 LF 1" x 3 7/8" Brick Veneer, Smooth, Rolok Sill With Bracket	16.93	3.74
04 26 13 00-0011 EA 3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Edge Cap	9.46	1.55
04 26 13 00-0012 EA 3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Corner Edge Cap, L or R	15.76	1.55
04 26 13 00-0013 Brick Veneer Accessories (04 26 13 00-0001)		
04 26 13 00-0014 LF 2-7/8" Brick Veneer, Starter Angle	4.54	0.59
04 26 13 00-0015 LF 3-5/8" Brick Veneer, Top Side Angle	4.78	0.59
04 40 Stone Assemblies (04)		
Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.		
04 41 Dry-Placed Stone (04 40)		
04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)		
04 41 00 00-0002 SF 4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.34	5.71
04 41 00 00-0003 SF 6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.07	5.71
04 42 Exterior Stone Cladding (04 40)		
04 42 43 Stone Panels For Curtain Walls (04 42)		
04 42 43 00-0001 Marble Facing Panels (04 42 43)		
Note: 3' x 1.5'		
04 42 43 00-0002 SF 3/4" Thick Marble Facing Panels	56.02	12.35
04 42 43 00-0003 SF 7/8" Thick Marble Facing Panels	59.36	12.51
04 42 43 00-0004 SF 1-1/2" Thick Marble Facing Panels	69.10	12.76
04 42 43 00-0005 SF 2" Thick Marble Facing Panels	76.22	13.15
04 42 43 00-0006 SF 2-1/4" Thick Marble Facing Panels	81.25	13.95
04 42 43 00-0007 CF Marble Face Panel	346.97	45.43
04 42 43 00-0008 Smooth Limestone Panels (04 42 43)		
Note: Up to 12' x 5' panels.		
04 42 43 00-0009 SF 1-1/2" Thick Smooth Limestone Panels	46.39	24.79
04 42 43 00-0010 SF 2" Thick Smooth Limestone Panels	49.33	25.99
04 42 43 00-0011 SF 3" Thick Smooth Limestone Panels	52.46	27.18
04 42 43 00-0012 SF 4" Thick Smooth Limestone Panels	61.50	29.89
04 42 43 00-0013 Sandstone Panels (04 42 43)		
04 42 43 00-0014 SF 2-1/2" Thick Sandstone Panels	54.26	25.99
04 42 43 00-0015 SF 4" Thick Sandstone Panels	58.98	29.89
04 42 43 00-0016 SF Split Face Sandstone Panels, Random Sizes	53.11	29.89
04 43 Stone Masonry (04 40)		
04 43 00 00-0001 Marble (04 43)		
04 43 00 00-0002 Marble Base (04 43 00 00-0001)		
Note: 1" thick.		
04 43 00 00-0003 LF 4" High Marble Base	82.67	51.57
04 43 00 00-0004 LF 6" High Marble Base	94.12	56.18
04 43 00 00-0005 Marble Columns (04 43 00 00-0001)		
04 43 00 00-0006 CF Plain Faced Solid Marble Columns	234.63	45.43
04 43 00 00-0007 CF Fluted, Carved Solid Marble Columns	399.69	45.43
04 43 00 00-0008 Marble Flooring (04 43 00 00-0001)		
04 43 00 00-0009 SF 3/8" Uniform Color Marble Flooring	23.56	11.81
04 43 00 00-0010 SF 1/2" Uniform Color Marble Flooring	25.39	11.81
04 43 00 00-0011 SF 1/2" Travertine Marble Flooring	30.55	13.49
04 43 00 00-0012 Marble Items (04 43 00 00-0001)		
04 43 00 00-0013 LF 12" Marble Stair Treads	64.21	18.50
04 43 00 00-0014 LF 6" Wide Marble Stair Risers	48.79	14.83
04 43 00 00-0015 LF 6" Wide x 2" Thick Marble Window Sills	28.99	11.04
04 43 00 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished	57.50	13.56
04 43 00 00-0017 SF 7/8" Thick, Non Skid, Marble Patio Blocks	31.27	17.12



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 00 00-0018				Limestone <small>(04 43)</small>		
04 43 00 00-0019				Ashlar Veneer Limestone <small>(04 43 00 00-0018)</small>		
04 43 00 00-0020	SF			4" Ashlar Veneer Limestone, Random Sizes.....	51.01	18.50
04 43 00 00-0021	SF			6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	78.55	25.41
				<i>For High Lime Historic Mortar, Add</i>	<i>0.04</i>	
04 43 00 00-0022				Limestone Coping <small>(04 43 00 00-0018)</small>		
				Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 00 00-0023	SF			2-1/2" Thick Limestone Coping.....	24.07	6.37
04 43 00 00-0024	SF			3" Thick Limestone Coping.....	27.13	6.78
04 43 00 00-0025	SF			3-1/2" Thick Limestone Coping.....	30.19	7.17
04 43 00 00-0026	SF			4" Thick Limestone Coping.....	32.45	7.42
04 43 00 00-0027	SF			5" Thick Limestone Coping.....	37.78	7.57
04 43 00 00-0028	SF			6" Thick Limestone Coping.....	56.41	7.97
04 43 00 00-0029	CF			>6" Thick Limestone Coping.....	93.47	16.77
04 43 00 00-0030				Limestone Stair Treads <small>(04 43 00 00-0018)</small>		
04 43 00 00-0031	SF			2" Thick Limestone Treads.....	28.01	5.98
04 43 00 00-0032	SF			2-1/2" Thick Limestone Treads.....	29.88	6.37
04 43 00 00-0033	SF			3" Thick Limestone Treads.....	33.63	6.78
04 43 00 00-0034	SF			3-1/2" Thick Limestone Treads.....	36.57	7.17
04 43 00 00-0035	SF			4" Thick Limestone Treads.....	39.52	7.17
04 43 00 00-0036	SF			5" Thick Limestone Treads.....	43.82	7.57
04 43 00 00-0037	SF			6" Thick Limestone Tread, Smooth Finish.....	62.35	7.97
04 43 00 00-0038				Limestone Items <small>(04 43 00 00-0018)</small>		
04 43 00 00-0039	CF			Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	153.86	62.89
04 43 00 00-0040				Granite <small>(04 43)</small>		
04 43 00 00-0041				Polished Granite Veneer Facing Panels <small>(04 43 00 00-0040)</small>		
				Note: Excludes structural support steel.		
04 43 00 00-0042	SF			7/8" Thick Black Polished Granite Veneer Facing Panels.....	71.38	24.96
04 43 00 00-0043	SF			7/8" Thick Gray Polished Granite Veneer Facing Panels.....	65.34	24.96
04 43 00 00-0044				Granite Stair Treads <small>(04 43 00 00-0040)</small>		
04 43 00 00-0045	SF			2" Thick Granite Stair Tread.....	41.63	5.98
04 43 00 00-0046				Slate <small>(04 43)</small>		
04 43 00 00-0047				Slate Panels Or Sills <small>(04 43 00 00-0046)</small>		
04 43 00 00-0048	SF			1" Thick Slate Panels.....	48.14	24.96
04 43 00 00-0049	SF			2" Thick Slate Panels.....	57.78	24.96
04 43 00 00-0050				Slate Sills Or Stools <small>(04 43 00 00-0046)</small>		
04 43 00 00-0051	LF			6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	22.70	11.11
04 43 00 00-0052	LF			10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	28.83	11.11
04 43 00 00-0053	LF			6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	27.96	11.11
04 43 00 00-0054	LF			10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	41.12	11.11
04 43 00 00-0055				Slate Stair Treads <small>(04 43 00 00-0046)</small>		
04 43 00 00-0056	SF			2" Thick Slate Stair Tread.....	33.98	5.98
04 50				Refractory Masonry <small>(04)</small>		
				See CSI section 04 22 23 13-0009 for solid concrete block.		
04 51				Flue Liner Masonry <small>(04 50)</small>		
				Note: Includes mortar joints. See CSI section 04 21 13 00-0059 for fire brick.		
04 51 00 00-0001				Rectangular Flue Liners <small>(04 51)</small>		
04 51 00 00-0002	VLF			4" x 8" Clay Flue Liners.....	10.80	
04 51 00 00-0003	VLF			8" x 8" Clay Flue Liners.....	13.96	
04 51 00 00-0004	VLF			8" x 12" Clay Flue Liners.....	16.17	
04 51 00 00-0005	VLF			12" x 12" Clay Flue Liners.....	19.93	
04 51 00 00-0006	VLF			12" x 16" Clay Flue Liners.....	23.30	
04 51 00 00-0007	VLF			12" x 18" Clay Flue Liners.....	26.12	
04 51 00 00-0008	VLF			16" x 16" Clay Flue Liners.....	28.75	
04 51 00 00-0009	VLF			16" x 20" Clay Flue Liners.....	34.24	

04	Masonry
04 50	Refractory Masonry
04 51	Flue Liner Masonry



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners.....	36.43	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners.....	45.86	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners.....	49.83	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners.....	58.17	
04 51 00 00-0014		Round Flue Liners (04 51)		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	23.87	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	32.47	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	41.47	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	49.72	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	59.81	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	64.56	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	81.67	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	99.73	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	114.88	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	130.50	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	137.82	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	138.39	
04 51 00 00-0027		Standard Chimney Block (04 51)		
		Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit.....	21.25	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit.....	22.95	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit.....	23.12	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit.....	24.21	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit.....	25.40	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit.....	26.67	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit.....	30.00	
04 70		Manufactured Masonry (04)		
04 72		Cast Stone Masonry (04 70)		
04 72 00 00-0001		Precast Concrete Lintels (04 72)		
04 72 00 00-0002		Solid Precast Concrete Lintels (04 72 00 00-0001)		
04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	11.00	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	13.54	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	16.41	
04 72 00 00-0006		U Shaped Precast Concrete Lintels (04 72 00 00-0001)		
		Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	11.76	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	14.00	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	21.66	
04 72 00 00-0010		Precast Coping (04 72)		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping, 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		
04 72 00 00-0011		Precast Concrete Coping (04 72 00 00-0010)		
		Note: Measured at highest point.		
04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	37.27	9.08
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping.....	41.68	9.78
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	47.96	10.48
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping.....	51.38	11.18
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	54.83	11.88
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	64.84	12.57
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	73.63	13.28
04 72 00 00-0019		Precast Window Sills (04 72)		
		Note: Includes caulk and ties.		
04 72 00 00-0020		Precast Window Sills (04 72 00 00-0019)		
04 72 00 00-0021	LF	6" Wide Precast Window Sill	27.13	6.99
04 72 00 00-0022	LF	10" Wide Precast Window Sill	39.88	6.99
04 72 00 00-0023	LF	14" Wide Precast Window Sill	46.75	6.99
04 72 00 00-0024		Cast Stone Veneer (04 72)		
04 72 00 00-0025	SF	1" Thick Cast Stone Veneer	45.95	14.59



	Masonry	04	04
	Manufactured Masonry	04 70	
	Cast Stone Masonry	04 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 04

04	04	Masonry
	04 70	Manufactured Masonry
	04 72	Cast Stone Masonry



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

05 05 Common Work Results For Metals ⁽⁰⁵⁾

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

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

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

05 05 19 00-0002 Expansion Anchors ^(05 05 19 00-0001)

Note: Includes drilling.

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

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	7.95	
	For >10 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-0.76	
	For >100, Deduct	-1.52	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.03	
	For >10 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-0.76	
	For >100, Deduct	-1.52	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.29	
	For >10 To 50, Deduct	-0.38	
	For >50 To 100, Deduct	-0.78	
	For >100, Deduct	-1.57	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.77	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.83	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.85	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.07	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.87	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.16	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.64	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.20	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.65	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.30	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.65	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.54	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.88	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.34	
	For >100, Deduct	-2.68	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.46	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.31	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.53	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.32	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.68	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.33	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.99	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.67	
	For >100, Deduct	-3.34	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.29	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.68	
	For >100, Deduct	-3.36	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	21.69	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100, Deduct</i>	-3.48	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.74	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.79	
			<i>For >100, Deduct</i>	-3.58	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.28	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.35	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.71	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100, Deduct</i>	-3.98	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.16	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.00	
			<i>For >100, Deduct</i>	-4.00	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.66	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.01	
			<i>For >100, Deduct</i>	-4.03	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.58	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.06	
			<i>For >100, Deduct</i>	-4.12	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.13	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.13	
			<i>For >100, Deduct</i>	-4.25	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.01	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100, Deduct</i>	-4.39	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.08	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.30	
			<i>For >100, Deduct</i>	-4.59	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.60	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.33	
			<i>For >100, Deduct</i>	-4.67	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.61	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100, Deduct</i>	-4.77	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	37.20	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-2.93	
			<i>For >100, Deduct</i>	-5.85	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.05	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.00	
			<i>For >100, Deduct</i>	-6.00	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.88	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.07	
			<i>For >100, Deduct</i>	-6.14	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.47	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.77	
			<i>For >100, Deduct</i>	-7.54	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	50.50	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.82	
			<i>For >100, Deduct</i>	-7.64	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.40	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.54	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.62	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100, Deduct</i>	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.96	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.80	
<i>For >100, Deduct</i>	-1.60	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.66	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.84	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.98	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.91	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.00	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.21	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.56	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.77	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.78	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.69	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.09	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.89	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.63	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100, Deduct</i>	-3.52	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.54	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.57	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.52	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100, Deduct</i>	-3.62	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.82	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100, Deduct</i>	-3.68	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.56	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.98	
<i>For >100, Deduct</i>	-3.97	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.99	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.10	
<i>For >100, Deduct</i>	-4.19	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.84	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.14	
<i>For >100, Deduct</i>	-4.29	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.41	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100, Deduct</i>	-4.36	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.61	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.08	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100, Deduct</i>	-4.45	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.92	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.32	
<i>For >100, Deduct</i>	-4.64	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.34	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100, Deduct</i>	-4.91	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.96	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.59	
			<i>For >100, Deduct</i>	-5.19	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.15	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100, Deduct</i>	-7.00	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	68.17	
			<i>For >10 To 50, Deduct</i>	-1.33	
			<i>For >50 To 100, Deduct</i>	-3.70	
			<i>For >100, Deduct</i>	-7.40	
05 05 19 00-0068			316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.58	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.55	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.04	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100, Deduct</i>	-1.60	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.26	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.58	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.94	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.67	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.20	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.02	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.68	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.41	
			<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.57	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.87	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.19	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.95	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.60	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.97	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.60	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.89	
			<i>For >100, Deduct</i>	-3.77	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.08	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.80	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.94	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.54	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.96	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.32	
			<i>For >100, Deduct</i>	-4.64	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	15.75	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	16.50	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.76	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.25	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.63	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.33	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.46	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	20.43	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.41	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.35	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.11	
For >100, Deduct	-4.21	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	28.18	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.13	
For >100, Deduct	-4.25	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	32.23	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-4.46	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	35.26	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.88	
For >100, Deduct	-5.76	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	37.59	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.94	
For >100, Deduct	-5.87	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	39.91	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-3.00	
For >100, Deduct	-5.99	
05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0086)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	7.99	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.10	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.55	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.23	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.56	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.42	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.52	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.63	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.54	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.84	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.72	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.85	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.90	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.93	
For >100, Deduct	-1.86	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.74	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.62	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.97	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.18	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.41	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100, Deduct</i>	-2.65	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.25	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100, Deduct</i>	-3.25	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.60	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100, Deduct</i>	-3.27	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.87	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.28	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.62	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100, Deduct</i>	-3.32	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.15	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100, Deduct</i>	-3.90	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.81	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-3.93	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.39	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.33	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.00	
			<i>For >100, Deduct</i>	-4.01	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	8.79	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.58	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	11.25	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.92	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	12.11	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.97	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	16.58	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.13	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100, Deduct</i>	-2.84	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	24.37	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.80	
			<i>For >100, Deduct</i>	-3.61	
05 05 19 00-0125			Concrete Strike Anchors (05 05 19 00-0002)		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	8.52	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	8.70	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.07	
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100, Deduct</i>	-1.66	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.84	
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.69	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	10.36	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.88	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	10.93	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.91	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	11.37	
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.16	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.69	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	15.50	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.71	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.50	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	17.79	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	20.25	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100, Deduct</i>	-3.40	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	21.45	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100, Deduct</i>	-3.46	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	22.50	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100, Deduct</i>	-3.51	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	26.14	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.07	
<i>For >100, Deduct</i>	-4.15	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	27.26	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.10	
<i>For >100, Deduct</i>	-4.21	
 05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	11.09	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.07	
<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.57	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100, Deduct</i>	-2.62	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	16.59	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	18.87	
<i>For >10 To 50, Deduct</i>	-0.84	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100, Deduct</i>	-3.46	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	22.68	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.00	
<i>For >100, Deduct</i>	-3.99	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	12.79	
For >10 To 50, Deduct	-0.53	
For >50 To 100, Deduct	-1.12	
For >100, Deduct	-2.23	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	16.86	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.79	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	20.81	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.66	
For >100, Deduct	-3.33	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	25.67	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-1.90	
For >100, Deduct	-3.80	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	34.37	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.29	
For >100, Deduct	-4.58	
05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.15	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.55	
05 05 19 00-0157 EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.72	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.64	
05 05 19 00-0158 EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	9.86	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.93	
For >100, Deduct	-1.85	
05 05 19 00-0159 EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.41	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.65	
05 05 19 00-0160 EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	20.11	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.70	
For >100, Deduct	-3.40	
05 05 19 00-0161 EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	24.27	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.03	
For >100, Deduct	-4.06	
05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)		
Note: Excludes lag bolt and washer.		
05 05 19 00-0163 EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	8.13	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.55	
05 05 19 00-0164 EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	9.68	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.84	
05 05 19 00-0165 EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	10.08	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-0.93	
For >100, Deduct	-1.86	
05 05 19 00-0166 EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	14.22	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.32	
For >100, Deduct	-2.64	
05 05 19 00-0167 EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	19.39	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.68	
For >100, Deduct	-3.36	
05 05 19 00-0168 EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	21.69	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.96	
For >100, Deduct	-3.93	
05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)		
Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	10.51	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	12.23	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	15.19	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.24	
<i>For >100, Deduct</i>	-2.48	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	17.83	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.83	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	18.95	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100, Deduct</i>	-2.88	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	23.46	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.56	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	30.61	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	36.46	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.45	
<i>For >100, Deduct</i>	-4.90	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod	49.95	
<i>For >10 To 50, Deduct</i>	-1.33	
<i>For >50 To 100, Deduct</i>	-3.25	
<i>For >100, Deduct</i>	-6.49	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod	72.11	
<i>For >10 To 50, Deduct</i>	-1.68	
<i>For >50 To 100, Deduct</i>	-4.32	
<i>For >100, Deduct</i>	-8.64	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod	8.65	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.69	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	9.48	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.85	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	11.89	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100, Deduct</i>	-2.31	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.51	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.30	
<i>For >100, Deduct</i>	-2.61	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.43	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.26	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	21.57	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100, Deduct</i>	-3.92	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.01	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.14	
<i>For >100, Deduct</i>	-4.28	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	31.86	
<i>For >10 To 50, Deduct</i>	-1.33	
<i>For >50 To 100, Deduct</i>	-2.79	
<i>For >100, Deduct</i>	-5.59	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	36.53	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-3.17	
<i>For >100, Deduct</i>	-6.34	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	41.95	
<i>For >10 To 50, Deduct</i>	-1.68	
<i>For >50 To 100, Deduct</i>	-3.57	
<i>For >100, Deduct</i>	-7.13	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192 EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	45.56	
For >10 To 50, Deduct	-1.75	
For >50 To 100, Deduct	-3.77	
For >100, Deduct	-7.54	
05 05 19 00-0193 EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.57	
For >10 To 50, Deduct	-1.83	
For >50 To 100, Deduct	-4.01	
For >100, Deduct	-8.02	
05 05 19 00-0194 EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	60.61	
For >10 To 50, Deduct	-1.98	
For >50 To 100, Deduct	-4.49	
For >100, Deduct	-8.98	
05 05 19 00-0195 EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	83.08	
For >10 To 50, Deduct	-2.06	
For >50 To 100, Deduct	-5.17	
For >100, Deduct	-10.33	
05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)	3.32	
05 05 19 00-0197 EA Grout Concrete Anchor Bolt or Threaded Rod.....	3.32	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.65	
05 05 19 00-0198 Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199 Tapcon Masonry Screws (05 05 19 00-0198)		
Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200 EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	7.84	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0201 EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	7.89	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0202 EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	8.02	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.55	
05 05 19 00-0203 EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	7.91	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0204 EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	7.97	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0205 EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	8.11	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.55	
05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0199)		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0207 EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	8.28	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.56	
05 05 19 00-0208 EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	8.51	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.57	
05 05 19 00-0209 EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	8.58	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.57	
05 05 19 00-0210 EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	8.69	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.58	
05 05 19 00-0211 EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	8.78	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.58	
05 05 19 00-0212 EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	8.99	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.59	
05 05 19 00-0213 EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	9.24	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.61	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA			1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	9.47	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.81	
				<i>For >100, Deduct</i>	-1.62	
05 05 19 00-0215	EA			1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	10.11	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.83	
				<i>For >100, Deduct</i>	-1.65	
05 05 19 00-0216	EA			5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.19	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.83	
				<i>For >100, Deduct</i>	-1.65	
05 05 19 00-0217	EA			5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.58	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.84	
				<i>For >100, Deduct</i>	-1.67	
05 05 19 00-0218	EA			5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	10.99	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.85	
				<i>For >100, Deduct</i>	-1.69	
05 05 19 00-0219	EA			5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	11.25	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.85	
				<i>For >100, Deduct</i>	-1.71	
05 05 19 00-0220	EA			3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	11.13	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.85	
				<i>For >100, Deduct</i>	-1.70	
05 05 19 00-0221	EA			3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	11.51	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.86	
				<i>For >100, Deduct</i>	-1.72	
05 05 19 00-0222	EA			3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	12.38	
				<i>For >10 To 50, Deduct</i>	-0.38	
				<i>For >50 To 100, Deduct</i>	-0.88	
				<i>For >100, Deduct</i>	-1.76	
05 05 19 00-0223				Pin Bolt Drives (05 05 19 00-0198)		
				Note: Includes drilling. Zinc plated.		
05 05 19 00-0224	EA			1/4" x 1" Pin Bolt Drive.....	4.90	
				<i>For >10 To 50, Deduct</i>	-0.23	
				<i>For >50 To 100, Deduct</i>	-0.47	
				<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0225	EA			1/4" x 1-1/4" Pin Bolt Drive.....	4.90	
				<i>For >10 To 50, Deduct</i>	-0.23	
				<i>For >50 To 100, Deduct</i>	-0.47	
				<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0226	EA			1/4" x 1-1/2" Pin Bolt Drive.....	4.94	
				<i>For >10 To 50, Deduct</i>	-0.23	
				<i>For >50 To 100, Deduct</i>	-0.47	
				<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0227	EA			1/4" x 2" Pin Bolt Drive.....	4.95	
				<i>For >10 To 50, Deduct</i>	-0.23	
				<i>For >50 To 100, Deduct</i>	-0.47	
				<i>For >100, Deduct</i>	-0.93	
05 05 19 00-0228				Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		
05 05 19 00-0229	EA			1/4" Diameter Threaded Stud Powder Actuated Anchor.....	11.06	
				<i>For >10 To 50, Deduct</i>	-0.53	
				<i>For >50 To 100, Deduct</i>	-1.08	
				<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0230	EA			3/8" Diameter Threaded Stud Powder Actuated Anchor.....	13.64	
				<i>For >10 To 50, Deduct</i>	-0.65	
				<i>For >50 To 100, Deduct</i>	-1.31	
				<i>For >100, Deduct</i>	-2.62	
05 05 23				Metal Fastenings (05 05)		
05 05 23 00-0001				Hex Bolts (05 05 23)		
				Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0196 for drilling into concrete, 02 41 19 13-0206 for drilling into brick or block, 02 41 19 13-0216 for drilling into wood or plastic, 05 05 23 00-1482 for drilling through steel.		
05 05 23 00-0002				A325 High Strength Structural Bolts (05 05 23 00-0001)		
05 05 23 00-0003				Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0002)		
				Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0004	EA			1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	9.92	1.04
				<i>For >10 To 50, Deduct</i>	-0.44	
				<i>For >50 To 100, Deduct</i>	-0.90	
				<i>For >100, Deduct</i>	-1.80	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	10.10	1.04
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100, Deduct</i>	-1.81	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.68	1.04
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.84	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	12.96	1.19
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100, Deduct</i>	-2.14	
05 05 23 00-0008	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	14.77	1.25
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.30	
05 05 23 00-0009	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.48	1.04
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.88	
05 05 23 00-0010	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.81	1.19
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.09	
			<i>For >100, Deduct</i>	-2.18	
05 05 23 00-0011	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.53	1.25
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0012	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	18.73	1.31
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.57	
05 05 23 00-0013	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.20	1.13
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100, Deduct</i>	-2.08	
05 05 23 00-0014	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	15.84	1.25
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100, Deduct</i>	-2.35	
05 05 23 00-0015	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	17.90	1.31
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.53	
05 05 23 00-0016	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.33	1.38
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100, Deduct</i>	-2.69	
05 05 23 00-0017	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.46	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.19	
05 05 23 00-0018	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.22	1.31
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.50	
05 05 23 00-0019	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	19.71	1.38
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.35	
			<i>For >100, Deduct</i>	-2.71	
05 05 23 00-0020	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.73	1.47
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.07	
05 05 23 00-0021	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	23.72	1.47
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100, Deduct</i>	-3.02	
05 05 23 00-0022	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	26.72	1.55
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.28	
05 05 23 00-0023	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.08	1.66
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-1.82	
			<i>For >100, Deduct</i>	-3.64	
05 05 23 00-0024	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	36.20	1.78
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-2.02	
			<i>For >100, Deduct</i>	-4.03	

05 05 23 00-0025 Galvanized A325 High Strength Structural Bolts (05 05 23 00-0002)

Note: Includes A325 heavy hex nut and structural washer.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0026 EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	10.29	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100, Deduct</i>	-1.82	
05 05 23 00-0027 EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	10.41	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100, Deduct</i>	-1.83	
05 05 23 00-0028 EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	11.44	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.88	
05 05 23 00-0029 EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	13.50	1.19
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100, Deduct</i>	-2.17	
05 05 23 00-0030 EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	14.25	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0031 EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	11.83	1.04
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0032 EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	14.25	1.19
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100, Deduct</i>	-2.20	
05 05 23 00-0033 EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	16.21	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0034 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	20.35	1.31
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.66	
05 05 23 00-0035 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.30	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.18	
05 05 23 00-0036 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.08	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100, Deduct</i>	-2.41	
05 05 23 00-0037 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	19.40	1.31
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.30	
<i>For >100, Deduct</i>	-2.61	
05 05 23 00-0038 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	23.84	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.91	
05 05 23 00-0039 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.09	1.18
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100, Deduct</i>	-2.28	
05 05 23 00-0040 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	20.96	1.31
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100, Deduct</i>	-2.69	
05 05 23 00-0041 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	22.84	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.86	
05 05 23 00-0042 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	28.59	1.47
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.26	
05 05 23 00-0043 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	28.43	1.47
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.25	
05 05 23 00-0044 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	30.32	1.55
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100, Deduct</i>	-3.46	
05 05 23 00-0045 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	35.21	1.66
<i>For >10 To 50, Deduct</i>	-0.69	
<i>For >50 To 100, Deduct</i>	-1.92	
<i>For >100, Deduct</i>	-3.84	
05 05 23 00-0046 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	40.51	1.78
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100, Deduct</i>	-4.25	

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

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0047	Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0048	Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0047)</small>		
05 05 23 00-0049	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0050	EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.82	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.19	
	For >500, Deduct	-1.43	
05 05 23 00-0051	EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.84	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.19	
	For >500, Deduct	-1.43	
05 05 23 00-0052	EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.88	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.19	
	For >500, Deduct	-1.43	
05 05 23 00-0053	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.91	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.19	
	For >500, Deduct	-1.43	
05 05 23 00-0054	EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.08	
	For >100 To 250, Deduct	-0.98	
	For >250 To 500, Deduct	-1.23	
	For >500, Deduct	-1.47	
05 05 23 00-0055	EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.09	
	For >100 To 250, Deduct	-0.98	
	For >250 To 500, Deduct	-1.23	
	For >500, Deduct	-1.47	
05 05 23 00-0056	EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.16	
	For >100 To 250, Deduct	-0.98	
	For >250 To 500, Deduct	-1.23	
	For >500, Deduct	-1.47	
05 05 23 00-0057	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.30	
	For >100 To 250, Deduct	-1.01	
	For >250 To 500, Deduct	-1.26	
	For >500, Deduct	-1.51	
05 05 23 00-0058	EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.32	
	For >100 To 250, Deduct	-1.01	
	For >250 To 500, Deduct	-1.26	
	For >500, Deduct	-1.51	
05 05 23 00-0059	EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.43	
	For >100 To 250, Deduct	-1.01	
	For >250 To 500, Deduct	-1.26	
	For >500, Deduct	-1.51	
05 05 23 00-0060	EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.65	
	For >100 To 250, Deduct	-1.03	
	For >250 To 500, Deduct	-1.29	
	For >500, Deduct	-1.55	
05 05 23 00-0061	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.73	
	For >100 To 250, Deduct	-1.03	
	For >250 To 500, Deduct	-1.29	
	For >500, Deduct	-1.55	
05 05 23 00-0062	EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
	For >100 To 250, Deduct	-1.03	
	For >250 To 500, Deduct	-1.29	
	For >500, Deduct	-1.55	
05 05 23 00-0063	EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.23	
	For >100 To 250, Deduct	-1.06	
	For >250 To 500, Deduct	-1.33	
	For >500, Deduct	-1.59	
05 05 23 00-0064	EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
	For >100 To 250, Deduct	-1.06	
	For >250 To 500, Deduct	-1.33	
	For >500, Deduct	-1.59	
05 05 23 00-0065	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.44	
	For >100 To 250, Deduct	-1.06	
	For >250 To 500, Deduct	-1.33	
	For >500, Deduct	-1.59	
05 05 23 00-0066	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0067	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.86	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.19	
	For >500, Deduct	-1.43	
05 05 23 00-0068	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.88	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.19	
	For >500, Deduct	-1.43	
05 05 23 00-0069	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.92	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.19	
	For >500, Deduct	-1.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0070 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0071 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.13	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0072 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.20	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0073 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.23	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0074 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.43	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0075 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.53	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0076 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.57	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0077 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.74	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0078 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.78	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0079 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0080 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.51	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0081 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.68	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0082 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.84	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0083 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0084 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.91	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0085 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.93	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0086 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.98	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0087 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.03	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0088 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.22	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0089 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.31	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0090 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.40	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0091	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.62	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0092	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.74	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0093	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.80	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0094	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.06	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0095	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.13	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0096	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0097	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0098	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0099	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.53	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0100			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0101	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.82	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0102	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.90	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0103	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0104	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0105	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.25	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0106	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0107	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0108	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.78	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0109	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0110	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0111	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0112 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.50	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0113 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0114 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.87	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0115 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0116 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0117 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.76	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0118 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0119 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.94	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0120 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0121 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.26	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0122 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0123 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.61	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0124 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0125 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.90	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0126 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0127 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0128 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0129 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.52	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0130 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0131 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.89	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0132 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0133	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0134	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0135	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.74	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0136			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0137	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0138	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.97	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0139	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.00	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0140	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.53	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0141	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.69	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0142	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.74	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0143	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.90	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0144	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0145	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0146	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0147	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0148	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.39	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0149	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0150	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0151	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.95	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0152	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.20	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0153	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.37	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0154 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0155 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0156 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0157 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.79	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0158 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.87	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0159 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0160 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0161 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0162 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.61	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0163 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.99	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0164 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0165 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.52	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0166 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.76	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0167 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0168 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.19	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0169 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.54	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0170 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.86	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0171 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.22	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0172 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0173 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0174 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.49	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0175	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0176			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>		
05 05 23 00-0177	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0178	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.22	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0179	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.37	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0180	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.70	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0181	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0182	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0183	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.49	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0184	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0185	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.00	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0186	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0187	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.79	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0188	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0189	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.30	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0190	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0191	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.50	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0192	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0193	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.53	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0194	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0195	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0196	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>			
05 05 23 00-0197	EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		8.60	
	For >100 To 250, Deduct		-1.36	
	For >250 To 500, Deduct		-1.70	
	For >500, Deduct		-2.04	
05 05 23 00-0198	EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		8.74	
	For >100 To 250, Deduct		-1.36	
	For >250 To 500, Deduct		-1.70	
	For >500, Deduct		-2.04	
05 05 23 00-0199	EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		8.80	
	For >100 To 250, Deduct		-1.36	
	For >250 To 500, Deduct		-1.70	
	For >500, Deduct		-2.04	
05 05 23 00-0200	EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.14	
	For >100 To 250, Deduct		-1.39	
	For >250 To 500, Deduct		-1.74	
	For >500, Deduct		-2.09	
05 05 23 00-0201	EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.51	
	For >100 To 250, Deduct		-1.39	
	For >250 To 500, Deduct		-1.74	
	For >500, Deduct		-2.09	
05 05 23 00-0202	EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.95	
	For >100 To 250, Deduct		-1.39	
	For >250 To 500, Deduct		-1.74	
	For >500, Deduct		-2.09	
05 05 23 00-0203	EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		10.45	
	For >100 To 250, Deduct		-1.42	
	For >250 To 500, Deduct		-1.77	
	For >500, Deduct		-2.12	
05 05 23 00-0204	EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		11.08	
	For >100 To 250, Deduct		-1.42	
	For >250 To 500, Deduct		-1.77	
	For >500, Deduct		-2.12	
05 05 23 00-0205	EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		11.44	
	For >100 To 250, Deduct		-1.42	
	For >250 To 500, Deduct		-1.77	
	For >500, Deduct		-2.12	
05 05 23 00-0206	EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		11.86	
	For >100 To 250, Deduct		-1.44	
	For >250 To 500, Deduct		-1.81	
	For >500, Deduct		-2.17	
05 05 23 00-0207	EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		12.06	
	For >100 To 250, Deduct		-1.44	
	For >250 To 500, Deduct		-1.81	
	For >500, Deduct		-2.17	
05 05 23 00-0208	EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		12.57	
	For >100 To 250, Deduct		-1.44	
	For >250 To 500, Deduct		-1.81	
	For >500, Deduct		-2.17	
05 05 23 00-0209	EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		13.20	
	For >100 To 250, Deduct		-1.47	
	For >250 To 500, Deduct		-1.84	
	For >500, Deduct		-2.21	
05 05 23 00-0210	EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		13.71	
	For >100 To 250, Deduct		-1.47	
	For >250 To 500, Deduct		-1.84	
	For >500, Deduct		-2.21	
05 05 23 00-0211	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		14.21	
	For >100 To 250, Deduct		-1.47	
	For >250 To 500, Deduct		-1.84	
	For >500, Deduct		-2.21	
05 05 23 00-0212	EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		14.83	
	For >100 To 250, Deduct		-1.50	
	For >250 To 500, Deduct		-1.87	
	For >500, Deduct		-2.25	
05 05 23 00-0213	EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		15.36	
	For >100 To 250, Deduct		-1.50	
	For >250 To 500, Deduct		-1.87	
	For >500, Deduct		-2.25	
05 05 23 00-0214	EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		15.85	
	For >100 To 250, Deduct		-1.50	
	For >250 To 500, Deduct		-1.87	
	For >500, Deduct		-2.25	
05 05 23 00-0215	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		16.37	
	For >100 To 250, Deduct		-1.50	
	For >250 To 500, Deduct		-1.87	
	For >500, Deduct		-2.25	
05 05 23 00-0216	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0048)</small>			
05 05 23 00-0217	EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.22	
	For >100 To 250, Deduct		-1.36	
	For >250 To 500, Deduct		-1.70	
	For >500, Deduct		-2.04	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.14	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0219 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.87	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0220 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0221 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.25	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0222 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.06	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0223 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.70	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0224 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.36	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0225 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.83	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0226 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.15	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0227 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.70	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0228 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.39	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0229 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.93	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0230 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.51	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0231 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.10	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0232 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.75	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0233 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.32	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0234 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.89	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0235 Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0047)		
05 05 23 00-0236 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0235)		
05 05 23 00-0237 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.86	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0238 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.88	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0239 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.91	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0240 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.96	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0241 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.15	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0242 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.23	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0243 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.33	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0244 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.53	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0245 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.65	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0246 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.73	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0247 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.95	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0248 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.03	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0249 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.10	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0250 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0251 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.44	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0252 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.55	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0253 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0235)</small>		
05 05 23 00-0254 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.91	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0255 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.93	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0256 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.97	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0257 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.03	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0258 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.22	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0259 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.31	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0260 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.45	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0261	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.66	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0262	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.77	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0263	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.88	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0264	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.23	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0265	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.27	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0266	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.41	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0267	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.73	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0268	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.93	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0269	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.12	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0270			3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0235)</small>	4.94	
05 05 23 00-0271	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.94	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0272	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.96	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0273	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.03	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0274	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.10	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0275	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.31	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0276	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.39	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0277	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.52	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0278	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.79	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0279	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.09	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0280	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.22	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0281	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.54	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0282 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.67	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0283 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.89	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0284 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.20	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0285 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.50	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0286 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.74	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0287 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0235)</small>		
05 05 23 00-0288 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.77	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0289 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0290 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.98	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0291 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.23	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0292 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0293 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.45	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0294 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0295 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.32	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0296 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.58	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0297 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.79	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0298 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.91	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0299 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.04	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0300 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.35	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0301 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.53	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0302 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.70	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0303 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0235)		
05 05 23 00-0304 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.85	
For >100 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.64	
05 05 23 00-0305 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.93	
For >100 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.64	
05 05 23 00-0306 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.02	
For >100 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.64	
05 05 23 00-0307 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.29	
For >100 To 250, Deduct	-1.12	
For >250 To 500, Deduct	-1.40	
For >500, Deduct	-1.67	
05 05 23 00-0308 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.43	
For >100 To 250, Deduct	-1.12	
For >250 To 500, Deduct	-1.40	
For >500, Deduct	-1.67	
05 05 23 00-0309 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.57	
For >100 To 250, Deduct	-1.12	
For >250 To 500, Deduct	-1.40	
For >500, Deduct	-1.67	
05 05 23 00-0310 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.84	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.72	
05 05 23 00-0311 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.30	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.72	
05 05 23 00-0312 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.33	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.72	
05 05 23 00-0313 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.76	
05 05 23 00-0314 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.96	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.76	
05 05 23 00-0315 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.42	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.76	
05 05 23 00-0316 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.98	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-1.80	
05 05 23 00-0317 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.25	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-1.80	
05 05 23 00-0318 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.34	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-1.80	
05 05 23 00-0319 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.95	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.84	
05 05 23 00-0320 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.41	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.84	
05 05 23 00-0321 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.06	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.84	
05 05 23 00-0322 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.30	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.84	
05 05 23 00-0323 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0235)		
05 05 23 00-0324 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.10	
For >100 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0325 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.25	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0326 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.39	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0327 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.67	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0328 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.86	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0329 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.06	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0330 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.44	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0331 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.26	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0332 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.46	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0333 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.83	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0334 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.05	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0335 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.80	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0336 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.87	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0337 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.17	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0338 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.69	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0339 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.31	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0340 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.50	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0341 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.68	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0342 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.15	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0343 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0235)</small>		
05 05 23 00-0344 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.93	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0345 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.98	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0346	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.03	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0347	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.31	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0348	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.56	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0349	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0350	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.15	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0351	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.58	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0352	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0353	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.07	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0354	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.45	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0355	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.04	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0356	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.71	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0357	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.20	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0358	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.27	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0359	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.30	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0360	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.96	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0361	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.92	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0362	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.26	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0363			3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0235)</small>		
05 05 23 00-0364	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.48	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0365	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.58	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0366	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.64	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0367 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.98	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0368 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.23	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0369 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.61	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0370 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.99	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0371 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.23	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0372 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.74	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0373 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.11	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0374 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.53	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0375 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.05	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0376 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.90	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0377 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.44	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0378 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.74	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0379 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.67	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0380 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.94	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0381 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.82	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0382 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.04	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0383 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0235)</small>		
05 05 23 00-0384 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.86	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0385 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.98	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0386 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.15	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0387 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.46	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0388	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.96	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0389	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.29	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0390	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.66	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0391	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.25	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0392	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.69	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0393	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.04	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0394	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.41	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0395	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.98	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0396	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.68	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0397	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.37	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0398	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.41	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0399	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.55	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0400	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.23	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0401	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.80	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0402	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.38	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0403			1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0235)	9.96	
05 05 23 00-0404	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.96	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0405	EA		1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.00	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0406	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.52	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0407	EA		1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.00	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0408	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.35	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0409 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.93	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0410 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.50	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0411 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.31	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0412 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.04	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0413 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.21	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0414 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.35	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0415 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.21	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0416 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.43	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0417 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.77	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0418 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.81	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0419 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.11	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0420 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.95	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0421 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.52	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0422 Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0047)</small>		
05 05 23 00-0423 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0422)</small>		
05 05 23 00-0424 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.87	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0425 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.93	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0426 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.96	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0427 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.02	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0428 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.20	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0429 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.27	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0430 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.33	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0431	EA		1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.47	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0432	EA		1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.66	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0433	EA		1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.83	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0434	EA		1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.06	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0435	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.16	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0436	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.28	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0437	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.50	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0438	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.73	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0439	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.84	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0440			5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0422)</small>		
05 05 23 00-0441	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.92	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0442	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.95	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0443	EA		5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.07	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0444	EA		5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.09	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0445	EA		5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.29	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0446	EA		5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.46	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0447	EA		5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.51	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0448	EA		5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.73	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0449	EA		5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0450	EA		5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.08	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0451	EA		5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.36	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0452 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.45	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0453 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.59	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0454 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.83	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0455 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.94	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0456 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0457 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0422)		
05 05 23 00-0458 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.04	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0459 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.05	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0460 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.06	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0461 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.19	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0462 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.41	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0463 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.54	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0464 EA 3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.66	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0465 EA 3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.16	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0466 EA 3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.31	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0467 EA 3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0468 EA 3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.54	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0469 EA 3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.71	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0470 EA 3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.44	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0471 EA 3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.75	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0472 EA 3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.09	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0473	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.86	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0474			7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0422)		
05 05 23 00-0475	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.86	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0476	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.88	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0477	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.08	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0478	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.23	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0479	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.46	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0480	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0481	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.76	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0482	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.27	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0483	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.68	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0484	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.08	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0485	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.22	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0486	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.43	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0487	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.89	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0488	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.57	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0489	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.62	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0490			1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0422)		
05 05 23 00-0491	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.99	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0492	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.14	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0493	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.24	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0494 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 6.46 <i>For >100 To 250, Deduct</i> -1.12 <i>For >250 To 500, Deduct</i> -1.40 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0495 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 6.63 <i>For >100 To 250, Deduct</i> -1.12 <i>For >250 To 500, Deduct</i> -1.40 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0496 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 7.00 <i>For >100 To 250, Deduct</i> -1.12 <i>For >250 To 500, Deduct</i> -1.40 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0497 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 7.41 <i>For >100 To 250, Deduct</i> -1.14 <i>For >250 To 500, Deduct</i> -1.43 <i>For >500, Deduct</i> -1.72		
05 05 23 00-0498 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 7.62 <i>For >100 To 250, Deduct</i> -1.14 <i>For >250 To 500, Deduct</i> -1.43 <i>For >500, Deduct</i> -1.72		
05 05 23 00-0499 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 7.78 <i>For >100 To 250, Deduct</i> -1.14 <i>For >250 To 500, Deduct</i> -1.43 <i>For >500, Deduct</i> -1.72		
05 05 23 00-0500 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 8.18 <i>For >100 To 250, Deduct</i> -1.17 <i>For >250 To 500, Deduct</i> -1.46 <i>For >500, Deduct</i> -1.76		
05 05 23 00-0501 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 8.65 <i>For >100 To 250, Deduct</i> -1.17 <i>For >250 To 500, Deduct</i> -1.46 <i>For >500, Deduct</i> -1.76		
05 05 23 00-0502 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 9.09 <i>For >100 To 250, Deduct</i> -1.17 <i>For >250 To 500, Deduct</i> -1.46 <i>For >500, Deduct</i> -1.76		
05 05 23 00-0503 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 9.61 <i>For >100 To 250, Deduct</i> -1.20 <i>For >250 To 500, Deduct</i> -1.50 <i>For >500, Deduct</i> -1.80		
05 05 23 00-0504 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 9.80 <i>For >100 To 250, Deduct</i> -1.20 <i>For >250 To 500, Deduct</i> -1.50 <i>For >500, Deduct</i> -1.80		
05 05 23 00-0505 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 10.34 <i>For >100 To 250, Deduct</i> -1.20 <i>For >250 To 500, Deduct</i> -1.50 <i>For >500, Deduct</i> -1.80		
05 05 23 00-0506 EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 11.37 <i>For >100 To 250, Deduct</i> -1.22 <i>For >250 To 500, Deduct</i> -1.53 <i>For >500, Deduct</i> -1.84		
05 05 23 00-0507 EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 11.76 <i>For >100 To 250, Deduct</i> -1.22 <i>For >250 To 500, Deduct</i> -1.53 <i>For >500, Deduct</i> -1.84		
05 05 23 00-0508 EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 11.96 <i>For >100 To 250, Deduct</i> -1.22 <i>For >250 To 500, Deduct</i> -1.53 <i>For >500, Deduct</i> -1.84		
05 05 23 00-0509 EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 12.93 <i>For >100 To 250, Deduct</i> -1.22 <i>For >250 To 500, Deduct</i> -1.53 <i>For >500, Deduct</i> -1.84		
05 05 23 00-0510 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0422)</small>		
05 05 23 00-0511 EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 6.13 <i>For >100 To 250, Deduct</i> -1.09 <i>For >250 To 500, Deduct</i> -1.36 <i>For >500, Deduct</i> -1.64		
05 05 23 00-0512 EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 6.22 <i>For >100 To 250, Deduct</i> -1.09 <i>For >250 To 500, Deduct</i> -1.36 <i>For >500, Deduct</i> -1.64		
05 05 23 00-0513 EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 6.43 <i>For >100 To 250, Deduct</i> -1.09 <i>For >250 To 500, Deduct</i> -1.36 <i>For >500, Deduct</i> -1.64		
05 05 23 00-0514 EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 6.87 <i>For >100 To 250, Deduct</i> -1.12 <i>For >250 To 500, Deduct</i> -1.40 <i>For >500, Deduct</i> -1.67		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0515	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0516	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.25	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0517	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.60	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0518	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.60	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0519	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.80	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0520	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.08	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0521	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.52	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0522	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.16	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0523	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.23	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0524	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.61	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0525	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.19	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0526			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0422)		
05 05 23 00-0527	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.12	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0528	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.22	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0529	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.45	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0530	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.92	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0531	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.20	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0532	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.35	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0533	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.59	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0534	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.08	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0535	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.30	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0536 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.67	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0537 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.91	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0538 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.39	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0539 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.68	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0540 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.23	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0541 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.46	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0542 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.59	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0543 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.68	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0544 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.76	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0545 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.77	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0546 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0422)</small>		
05 05 23 00-0547 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0548 EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.74	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0549 EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.81	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0550 EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.09	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0551 EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.29	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0552 EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.88	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0553 EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.26	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0554 EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.31	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0555 EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.12	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0556 EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.55	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0557	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.97	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0558	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.76	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0559	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.85	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0560	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.27	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0561	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.48	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0562	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.66	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0563	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.42	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0564	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.97	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0565	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.18	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0566			7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0422)		
05 05 23 00-0567	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.75	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0568	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.01	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0569	EA		7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.54	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0570	EA		7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.32	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0571	EA		7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.41	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0572	EA		7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.71	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0573	EA		7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.59	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0574	EA		7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.07	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0575	EA		7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.33	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0576	EA		7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.03	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0577	EA		7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.86	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0578 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.59	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0579 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.47	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0580 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.23	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0581 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.97	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0582 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.19	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0583 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.38	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0584 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.83	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0585 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0422)</small>		
05 05 23 00-0586 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.49	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0587 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.14	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0588 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.58	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0589 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.07	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0590 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.98	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0591 EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.35	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0592 EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.14	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0593 EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.19	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0594 EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.82	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0595 EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.26	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0596 EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.46	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0597 EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.93	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0598 EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.41	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0599	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.84	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0600	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.30	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0601	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.02	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0602	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.91	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0603	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.07	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0604			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0047)</small>		
05 05 23 00-0605			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0604)</small>		
05 05 23 00-0606	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0607	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.96	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0608	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.97	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0609	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.10	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0610	EA		1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.31	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0611	EA		1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.39	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0612	EA		1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0613	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.56	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0614	EA		1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.65	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0615	EA		1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0616	EA		1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.88	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0617	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.97	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0618	EA		1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.99	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0619	EA		1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0620 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.43	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0621 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0622 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
<small>(05 05 23 00-0604)</small>		
05 05 23 00-0623 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.89	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0624 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.15	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0625 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.17	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0626 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.18	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0627 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.44	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0628 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0629 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.72	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0630 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.92	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0631 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0632 EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0633 EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.33	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0634 EA 5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.41	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0635 EA 5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0636 EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.11	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0637 EA 5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.41	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0638 EA 5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.69	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0639 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
<small>(05 05 23 00-0604)</small>		
05 05 23 00-0640 EA 3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.97	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0641	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.03	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0642	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.09	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0643	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.25	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0644	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.46	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0645	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.59	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0646	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.68	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0647	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.94	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0648	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.01	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0649	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.16	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0650	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.37	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0651	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.59	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0652	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.63	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0653	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.78	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0654	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.80	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0655	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.06	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0656			7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0604)</small>		
05 05 23 00-0657	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.05	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0658	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.33	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0659	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.55	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0660	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.04	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0661	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.06	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0662 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0663 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.40	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0664 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0665 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0666 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0667 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.33	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0668 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0604)</small>		
05 05 23 00-0669 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.92	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0670 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.01	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0671 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.20	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0672 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.54	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0673 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.68	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0674 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0675 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.13	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0676 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.23	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0677 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0678 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.67	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0679 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0680 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.92	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0681 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0682 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0683	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.35	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0684	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.32	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0685	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.46	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0686	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0687	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0688			5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0604)</small>		
05 05 23 00-0689	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0690	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.06	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0691	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.16	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0692	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.46	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0693	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.67	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0694	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.14	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0695	EA		5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.34	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0696	EA		5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.42	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0697	EA		5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.57	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0698	EA		5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.89	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0699	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.06	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0700	EA		5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.54	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0701	EA		5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.70	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0702	EA		5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.54	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0703	EA		5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.78	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0704 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.28	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0705 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.68	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0706 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.58	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0707 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.65	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0708 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0604)</small>		
05 05 23 00-0709 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0710 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0711 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0712 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0713 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.99	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0714 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.41	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0715 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.77	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0716 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.80	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0717 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.89	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0718 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0719 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.65	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0720 EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.88	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0721 EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.46	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0722 EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.54	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0723 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.76	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0724 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.24	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0725	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.48	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0726	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.61	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0727	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.68	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0728			7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex		
			Head Bolts <small>(05 05 23 00-0604)</small>		
05 05 23 00-0729	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.64	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0730	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.91	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0731	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.21	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0732	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.61	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0733	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.83	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0734	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.22	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0735	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.52	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0736	EA		7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0737	EA		7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.30	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0738	EA		7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.59	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0739	EA		7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.90	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0740	EA		7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.36	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0741	EA		7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.90	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0742	EA		7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.03	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0743	EA		7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.31	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0744	EA		7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.61	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0745	EA		7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.99	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0746 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0747 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0604)</small>		
05 05 23 00-0748 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0749 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.76	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0750 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0751 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.66	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0752 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.70	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0753 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.90	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0754 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.48	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0755 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.68	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0756 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.90	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0757 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.89	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0758 EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.39	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0759 EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.23	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0760 EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.05	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0761 EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.44	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0762 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.11	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0763 EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.61	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0764 EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.37	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0765 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0047)</small>		
05 05 23 00-0766 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>		
05 05 23 00-0767 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.90	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0768	EA	1/4"	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.95	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0769	EA	1/4"	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.02	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0770	EA	1/4"	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.09	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0771	EA	1/4"	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.31	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0772	EA	1/4"	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.42	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0773	EA	1/4"	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.55	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0774	EA	1/4"	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.77	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0775	EA	1/4"	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.93	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0776	EA	1/4"	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.07	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0777	EA	1/4"	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.33	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0778	EA	1/4"	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.57	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0779	EA	1/4"	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.45	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0780	EA	1/4"	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.99	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0781	EA	1/4"	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.12	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0782	EA	1/4"	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.45	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0783	EA	5/16"	5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>	5.00	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0785	EA	5/16"	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.05	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0786	EA	5/16"	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.15	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0787	EA	5/16"	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.23	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0788	EA	5/16"	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.52	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0789 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.58	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0790 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.84	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0791 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.16	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0792 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.46	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0793 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.61	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0794 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.21	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0795 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.96	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0796 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.67	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0797 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.58	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0798 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>		
05 05 23 00-0799 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.13	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0800 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.19	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0801 EA 3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.35	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0802 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.56	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0803 EA 3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.80	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0804 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.96	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0805 EA 3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.18	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0806 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.51	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0807 EA 3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.76	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0808 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.33	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0809 EA 3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.53	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0810	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.00	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0811	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.99	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0812	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.36	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0813	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.50	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0814	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.49	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0815			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>		
05 05 23 00-0816	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.34	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0817	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.41	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0818	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.67	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0819	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.96	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0820	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.28	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0821	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.80	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0822	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.18	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0823	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.80	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0824	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.06	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0825	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.03	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0826	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.97	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0827	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.10	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0828	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.35	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0829			1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>		
05 05 23 00-0830	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.33	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0831 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.41	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0832 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.82	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0833 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.12	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0834 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.49	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0835 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.70	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0836 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.08	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0837 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.26	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0838 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.24	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0839 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.65	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0840 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.09	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0841 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.59	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0842 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.47	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0843 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.77	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0844 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.25	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-0845 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.68	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0846 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.87	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0847 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.18	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0848 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.48	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0849 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0765)		
05 05 23 00-0850 EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.49	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0851 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.35	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0852	EA		9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.85	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0853	EA		9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.28	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0854	EA		9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.81	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0855	EA		9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.74	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0856	EA		9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.25	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0857	EA		9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.46	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0858	EA		9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.42	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0859	EA		9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.47	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0860	EA		9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.53	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0861			5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0765)		
05 05 23 00-0862	EA		5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.73	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0863	EA		5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.93	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0864	EA		5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.74	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0865	EA		5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.02	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0866	EA		5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.41	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0867	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.96	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0868	EA		5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.79	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0869	EA		5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.80	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0870	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.42	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0871	EA		5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.91	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0872	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.48	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0873 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.53	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0874 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.79	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0875 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.72	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0876 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.14	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0877 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.00	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0878 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.54	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0879 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.99	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0880 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.99	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0881 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>		
05 05 23 00-0882 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.62	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0883 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.01	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0884 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.51	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0885 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.20	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0886 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.75	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0887 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.69	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0888 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.37	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0889 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	13.25	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0890 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.94	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0891 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.80	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0892 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.61	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0893 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.13	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0894	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.31	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0895	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.60	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0896	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.36	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0897	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.62	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0898	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.06	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0899	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.24	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0900	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.14	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0901			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>		
05 05 23 00-0902	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.70	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0903	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.66	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0904	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.53	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0905	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.50	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0906	EA		7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.82	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0907	EA		7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.74	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0908	EA		7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.05	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0909	EA		7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.16	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0910	EA		7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.61	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0911	EA		7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.42	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0912	EA		7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.88	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0913	EA		7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.73	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0914	EA		7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.73	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0915 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.34	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0916 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.38	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0917 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.30	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0918 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.11	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0919 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.92	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0920 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0765)</small>		
05 05 23 00-0921 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.02	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0922 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.71	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0923 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.90	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0924 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.77	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0925 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.21	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0926 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.96	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0927 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.97	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0928 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.46	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0929 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.99	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0930 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.07	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0931 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.06	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0932 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.23	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0933 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.97	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0934 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0935 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.37	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0936 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.67	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0937 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.11	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0938 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.29	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-0939 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0947)		
05 05 23 00-0940 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0939)		
05 05 23 00-0941 EA 1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.00	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0942 EA 1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.11	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0943 EA 1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.19	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0944 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.25	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.43	
05 05 23 00-0945 EA 1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.54	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0946 EA 1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	5.69	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0947 EA 1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.83	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.47	
05 05 23 00-0948 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.07	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0949 EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.19	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0950 EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	6.25	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0951 EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.75	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0952 EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	6.85	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0953 EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.51	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0954 EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.08	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-0955 EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.85	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-0956 EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	27.07	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.59	
05 05 23 00-0957 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0939)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0958 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.15	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0959 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.28	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0960 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.49	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0961 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.64	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0962 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.85	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0963 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.18	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0964 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.40	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0965 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.63	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0966 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.11	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0967 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.21	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0968 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.68	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0969 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.06	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0970 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.17	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0971 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.73	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0972 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0939)		
05 05 23 00-0973 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.48	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0974 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.53	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0975 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.73	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0976 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.19	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.43	
05 05 23 00-0977 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.50	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0978 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.58	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.47	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0979	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.98	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.47	
05 05 23 00-0980	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	7.17	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0981	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.43	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0982	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	7.60	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0983	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.31	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0984	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	8.99	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0985	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.02	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0986	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	10.89	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0987	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.71	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0988	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	16.75	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.59	
05 05 23 00-0989			7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0939)		
05 05 23 00-0990	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	6.95	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0991	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.24	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0992	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.79	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0993	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.39	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0994	EA		7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	8.92	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0995	EA		7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.78	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0996	EA		7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	10.74	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0997	EA		7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.90	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0998	EA		7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.21	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-0999	EA		7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.55	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1000 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	11.77	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1001 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.00	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1002 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	12.32	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1003 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0939)</small>		
05 05 23 00-1004 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.93	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1005 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.25	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1006 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.69	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1007 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.35	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1008 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	8.84	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1009 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1010 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	9.30	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1011 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.24	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1012 EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	12.14	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1013 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.41	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1014 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	12.71	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1015 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.07	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1016 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	16.78	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1017 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.80	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1018 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	19.49	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.80	
05 05 23 00-1019 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.08	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1020 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	26.96	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1021	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.44	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1022	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	28.17	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1023			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0939)</small>		
05 05 23 00-1024	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	14.83	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1025	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.86	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1026	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.33	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1027	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.40	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1028	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	23.44	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1029	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.49	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1030	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	26.91	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1031	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.60	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1032	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	30.10	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.72	
05 05 23 00-1033	EA		9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.67	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1034	EA		9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	31.99	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1035			5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0939)</small>		
05 05 23 00-1036	EA		5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	9.21	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1037	EA		5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.30	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1038	EA		5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.33	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1039	EA		5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.06	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1040	EA		5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.67	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1041	EA		5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.60	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1042 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.13	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1043 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.82	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1044 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.41	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1045 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.65	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1046 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.13	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1047 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.09	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1048 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	21.28	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1049 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.66	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1050 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	23.04	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1051 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.42	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1052 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	25.60	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1053 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.18	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1054 EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	37.14	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1055 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0939)		
05 05 23 00-1056 EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	11.56	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1057 EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.77	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1058 EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	12.57	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1059 EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.42	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1060 EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	14.92	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1061 EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.78	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1062 EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.77	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1063	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.53	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1064	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	18.95	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1065	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.65	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1066	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.61	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1067	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.57	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1068	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	27.98	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1069	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.30	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1070	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	31.81	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1071	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.95	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1072	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	39.00	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1073	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.42	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1074	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	40.49	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1075			7/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0939)</small>	13.00	
05 05 23 00-1076	EA		7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.00	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1077	EA		7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	14.39	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1078	EA		7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.30	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1079	EA		7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	17.24	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1080	EA		7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.11	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1081	EA		7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	19.00	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1082	EA		7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.18	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1083	EA		7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	22.83	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1084 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.04	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1085 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	23.92	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1086 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.32	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1087 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	34.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1088 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.24	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1089 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	39.97	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1090 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.37	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1091 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	43.87	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1092 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.37	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1093 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	47.05	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1094 1" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0939)</small>		
05 05 23 00-1095 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.06	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1096 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.34	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1097 EA 1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.77	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1098 EA 1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.06	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1099 EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	23.01	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1100 EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.56	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1101 EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	26.13	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1102 EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.84	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1103 EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	31.90	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1104 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.88	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1105 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	41.47	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-1106 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.07	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-1107 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	46.73	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-1108 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.37	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-1109 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	48.99	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-1110 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.61	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-1111 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	63.97	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.25	
05 05 23 00-1112 Screws (05 05 23)		
05 05 23 00-1113 Teks® 5 Self Drilling Screws (05 05 23 00-1112)		
Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1114 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.52	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.23	
For >100, Deduct	-0.47	
05 05 23 00-1115 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.61	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.24	
For >100, Deduct	-0.47	
05 05 23 00-1116 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.89	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.51	
05 05 23 00-1117 EA 1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.92	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.65	
05 05 23 00-1118 EA 1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.17	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.34	
For >100, Deduct	-0.68	
05 05 23 00-1119 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.05	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.38	
For >100, Deduct	-0.75	
05 05 23 00-1120 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.61	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.40	
For >100, Deduct	-0.80	
05 05 23 00-1121 Security Screws (05 05 23 00-1121)		
05 05 23 00-1122 304/18-8 Stainless Steel, Security Screws (05 05 23 00-1121)		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1123 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	1.99	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.39	
05 05 23 00-1124 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.21	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.40	
05 05 23 00-1125 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.39	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.41	
05 05 23 00-1126 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.45	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1127 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.57	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1128 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.25	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1129 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.34	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1130 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.53	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1131 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.58	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1132 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.31	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1133 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.33	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1134 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.41	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1135 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.66	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1136 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.45	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1137 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.51	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1138 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.75	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1139 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.13	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100, Deduct</i>	-0.44	
 05 05 23 00-1140 Threaded Rod <small>(05 05 23)</small>		
Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1233 for nuts and washers.		
 05 05 23 00-1141 Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1140)</small>		
05 05 23 00-1142 LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.66	0.41
<i>For Left Hand Threaded Rod, Add</i>	0.08	
05 05 23 00-1143 LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.15	0.45
<i>For Left Hand Threaded Rod, Add</i>	0.12	
05 05 23 00-1144 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.49	0.52
<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1145 LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.33	0.53
<i>For Left Hand Threaded Rod, Add</i>	0.23	
05 05 23 00-1146 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.42	0.55
<i>For Left Hand Threaded Rod, Add</i>	0.23	
05 05 23 00-1147 LF 9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.21	0.56
<i>For Left Hand Threaded Rod, Add</i>	0.31	
05 05 23 00-1148 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.73	0.57
<i>For Left Hand Threaded Rod, Add</i>	0.36	
05 05 23 00-1149 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.68	0.59
<i>For Left Hand Threaded Rod, Add</i>	0.65	
05 05 23 00-1150 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.36	0.61
<i>For Left Hand Threaded Rod, Add</i>	0.71	
05 05 23 00-1151 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.42	0.68
<i>For Left Hand Threaded Rod, Add</i>	1.00	
05 05 23 00-1152 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.19	0.77
<i>For Left Hand Threaded Rod, Add</i>	1.27	
05 05 23 00-1153 LF 1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.79	0.84
<i>For Left Hand Threaded Rod, Add</i>	1.71	
05 05 23 00-1154 LF 1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	23.34	0.91
<i>For Left Hand Threaded Rod, Add</i>	2.15	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1155	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.91	0.95
			<i>For Left Hand Threaded Rod, Add</i>	2.60	
05 05 23 00-1156	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.18	0.99
			<i>For Left Hand Threaded Rod, Add</i>	3.22	
05 05 23 00-1157	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	43.62	1.04
			<i>For Left Hand Threaded Rod, Add</i>	4.16	
05 05 23 00-1158			Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1140)</small>		
05 05 23 00-1159	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	1.67	0.41
			<i>For Left Hand Threaded Rod, Add</i>	0.08	
05 05 23 00-1160	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	2.42	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1161	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	2.70	0.52
			<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1162	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	3.84	0.53
			<i>For Left Hand Threaded Rod, Add</i>	0.28	
05 05 23 00-1163	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	4.13	0.55
			<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1164	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	5.38	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.43	
05 05 23 00-1165	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	5.71	0.57
			<i>For Left Hand Threaded Rod, Add</i>	0.46	
05 05 23 00-1166	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	8.52	0.59
			<i>For Left Hand Threaded Rod, Add</i>	0.73	
05 05 23 00-1167	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	11.00	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.98	
05 05 23 00-1168	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	14.75	0.68
			<i>For Left Hand Threaded Rod, Add</i>	1.34	
05 05 23 00-1169	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	19.00	0.77
			<i>For Left Hand Threaded Rod, Add</i>	1.75	
05 05 23 00-1170	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	22.66	0.84
			<i>For Left Hand Threaded Rod, Add</i>	2.09	
05 05 23 00-1171	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	25.74	0.91
			<i>For Left Hand Threaded Rod, Add</i>	2.39	
05 05 23 00-1172	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	32.39	0.95
			<i>For Left Hand Threaded Rod, Add</i>	3.05	
05 05 23 00-1173	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	40.08	0.99
			<i>For Left Hand Threaded Rod, Add</i>	3.81	
05 05 23 00-1174	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	58.42	1.04
			<i>For Left Hand Threaded Rod, Add</i>	5.64	
05 05 23 00-1175			Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1140)</small>		
05 05 23 00-1176	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	4.37	0.52
			<i>For Left Hand Threaded Rod, Add</i>	0.33	
05 05 23 00-1177	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	6.09	0.55
			<i>For Left Hand Threaded Rod, Add</i>	0.50	
05 05 23 00-1178	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	8.18	0.57
			<i>For Left Hand Threaded Rod, Add</i>	0.70	
05 05 23 00-1179	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	11.19	0.59
			<i>For Left Hand Threaded Rod, Add</i>	1.00	
05 05 23 00-1180	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	15.45	0.61
			<i>For Left Hand Threaded Rod, Add</i>	1.42	
05 05 23 00-1181	LF		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	19.92	0.68
			<i>For Left Hand Threaded Rod, Add</i>	1.85	
05 05 23 00-1182	LF		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	26.17	0.77
			<i>For Left Hand Threaded Rod, Add</i>	2.46	
05 05 23 00-1183	LF		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	34.38	0.84
			<i>For Left Hand Threaded Rod, Add</i>	3.27	
05 05 23 00-1184	LF		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	38.41	0.91
			<i>For Left Hand Threaded Rod, Add</i>	3.66	
05 05 23 00-1185	LF		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	45.70	0.95
			<i>For Left Hand Threaded Rod, Add</i>	4.38	
05 05 23 00-1186	LF		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	55.48	0.99
			<i>For Left Hand Threaded Rod, Add</i>	5.35	
05 05 23 00-1187	LF		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	96.72	1.04
			<i>For Left Hand Threaded Rod, Add</i>	9.47	
05 05 23 00-1188			304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1140)</small>		
05 05 23 00-1189	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	1.97	0.41
			<i>For Left Hand Threaded Rod, Add</i>	0.11	
05 05 23 00-1190	LF		5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	2.86	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.19	
05 05 23 00-1191	LF		3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.62	0.52
			<i>For Left Hand Threaded Rod, Add</i>	0.26	
05 05 23 00-1192	LF		7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.91	0.53
			<i>For Left Hand Threaded Rod, Add</i>	0.38	
05 05 23 00-1193	LF		1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.85	0.55
			<i>For Left Hand Threaded Rod, Add</i>	0.47	
05 05 23 00-1194	LF		9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.48	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1195 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.61 0.75	0.57
05 05 23 00-1196 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.92 1.07	0.59
05 05 23 00-1197 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.27 1.51	0.61
05 05 23 00-1198 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	20.82 1.94	0.68
05 05 23 00-1199 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	43.68 4.20	0.84
05 05 23 00-1200 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	62.53 6.06	0.95
05 05 23 00-1201 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	68.18 6.62	0.99
05 05 23 00-1202 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	84.02 8.20	1.04
05 05 23 00-1203 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1140)</small>		
05 05 23 00-1204 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.74 0.19	0.41
05 05 23 00-1205 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.27 0.34	0.45
05 05 23 00-1206 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.60 0.46	0.52
05 05 23 00-1207 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.57 0.75	0.53
05 05 23 00-1208 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.09 0.80	0.55
05 05 23 00-1209 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.82 1.07	0.56
05 05 23 00-1210 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	12.70 1.16	0.57
05 05 23 00-1211 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	18.35 1.72	0.59
05 05 23 00-1212 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	25.00 2.38	0.61
05 05 23 00-1213 LF 1" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	31.59 3.02	0.68
05 05 23 00-1214 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	66.31 6.46	0.84
05 05 23 00-1215 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	86.80 8.49	0.95
05 05 23 00-1216 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1140)</small>		
05 05 23 00-1217 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	2.81 0.99	0.41
05 05 23 00-1218 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.29 1.69	0.45
05 05 23 00-1219 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.49 1.73	0.52
05 05 23 00-1220 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.89 1.91	0.53
05 05 23 00-1221 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	5.39 2.14	0.55
05 05 23 00-1222 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.71 2.79	0.56
05 05 23 00-1223 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.93 2.89	0.57
05 05 23 00-1224 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	9.17 4.00	0.59
05 05 23 00-1225 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	10.98 4.88	0.61
05 05 23 00-1226 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	14.23 6.42	0.68
05 05 23 00-1227 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	18.49 8.48	0.77
05 05 23 00-1228 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	20.58 9.43	0.84
05 05 23 00-1229 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	23.73 10.97	0.91
05 05 23 00-1230 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	28.85 13.48	0.95
05 05 23 00-1231 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	29.82 13.93	0.99
05 05 23 00-1232 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	39.98 18.96	1.04
05 05 23 00-1233 Nuts And Washers <small>(05 05 23)</small>		
05 05 23 00-1234 Hex Nuts <small>(05 05 23 00-1233)</small>		


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1235			Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1234)		
05 05 23 00-1236	EA		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.42	0.19
05 05 23 00-1237	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.46	0.19
05 05 23 00-1238	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.49	0.19
05 05 23 00-1239	EA		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.57	0.19
05 05 23 00-1240	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.61	0.19
05 05 23 00-1241	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.79	0.19
05 05 23 00-1242	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.82	0.19
05 05 23 00-1243	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.96	0.38
05 05 23 00-1244	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.37	0.38
05 05 23 00-1245	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.75	0.38
05 05 23 00-1246	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.82	0.38
05 05 23 00-1247	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.44	0.38
05 05 23 00-1248	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.02	0.38
05 05 23 00-1249	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.80	0.56
05 05 23 00-1250	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.46	0.56
05 05 23 00-1251	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	12.19	0.56
05 05 23 00-1252			Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1234)		
05 05 23 00-1253	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.43	0.19
05 05 23 00-1254	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.47	0.19
05 05 23 00-1255	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.51	0.19
05 05 23 00-1256	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.59	0.19
05 05 23 00-1257	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.68	0.19
05 05 23 00-1258	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.81	0.19
05 05 23 00-1259	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.83	0.19
05 05 23 00-1260	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.08	0.38
05 05 23 00-1261	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.49	0.38
05 05 23 00-1262	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.10	0.38
05 05 23 00-1263	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.17	0.38
05 05 23 00-1264	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	4.46	0.38
05 05 23 00-1265	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	6.51	0.38
05 05 23 00-1266	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.18	0.56
05 05 23 00-1267	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.86	0.56
05 05 23 00-1268	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	18.40	0.56
05 05 23 00-1269			Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1234)		
05 05 23 00-1270	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.44	0.19
05 05 23 00-1271	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.50	0.19
05 05 23 00-1272	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.54	0.19
05 05 23 00-1273	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.66	0.19
05 05 23 00-1274	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.78	0.19
05 05 23 00-1275	EA		9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.93	0.19
05 05 23 00-1276	EA		5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.05	0.19
05 05 23 00-1277	EA		3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.29	0.38
05 05 23 00-1278	EA		7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.91	0.38
05 05 23 00-1279	EA		1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.53	0.38
05 05 23 00-1280	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.93	0.38
05 05 23 00-1281	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.90	0.38
05 05 23 00-1282	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.01	0.38
05 05 23 00-1283	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.50	0.56
05 05 23 00-1284	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	12.90	0.56
05 05 23 00-1285	EA		2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	18.20	0.56
05 05 23 00-1286			Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1234)		
05 05 23 00-1287	EA		1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.44	0.19
05 05 23 00-1288	EA		5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.49	0.19
05 05 23 00-1289	EA		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.53	0.19
05 05 23 00-1290	EA		7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.65	0.19
05 05 23 00-1291	EA		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.74	0.19
05 05 23 00-1292	EA		9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.82	0.19
05 05 23 00-1293	EA		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.90	0.19
05 05 23 00-1294	EA		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.18	0.38
05 05 23 00-1295	EA		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.69	0.38
05 05 23 00-1296	EA		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.33	0.38
05 05 23 00-1297	EA		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.80	0.38
05 05 23 00-1298	EA		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.87	0.38
05 05 23 00-1299	EA		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	7.19	0.38
05 05 23 00-1300	EA		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	8.37	0.56
05 05 23 00-1301	EA		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.51	0.56
05 05 23 00-1302	EA		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	25.03	0.56
05 05 23 00-1303			304 Stainless Steel Hex Nuts (05 05 23 00-1234)		
05 05 23 00-1304	EA		1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.47	0.19
05 05 23 00-1305	EA		5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.55	0.19
05 05 23 00-1306	EA		3/8" Diameter, 304 Stainless Steel Hex Nut.....	0.61	0.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1307 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	0.86	0.19
05 05 23 00-1308 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	0.93	0.19
05 05 23 00-1309 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	1.36	0.19
05 05 23 00-1310 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	1.50	0.19
05 05 23 00-1311 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	1.72	0.38
05 05 23 00-1312 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	2.75	0.38
05 05 23 00-1313 EA 1" Diameter, 304 Stainless Steel Hex Nut	4.18	0.38
05 05 23 00-1314 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	9.88	0.38
05 05 23 00-1315 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	18.84	0.56
05 05 23 00-1316 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	32.99	0.56
05 05 23 00-1317 EA 2" Diameter, 304 Stainless Steel Hex Nut	46.95	0.56
05 05 23 00-1318 316 Stainless Steel Hex Nuts <small>(05 05 23 00-1234)</small>		
05 05 23 00-1319 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.54	0.19
05 05 23 00-1320 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.60	0.19
05 05 23 00-1321 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	0.71	0.19
05 05 23 00-1322 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.10	0.19
05 05 23 00-1323 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	1.18	0.19
05 05 23 00-1324 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	1.57	0.19
05 05 23 00-1325 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	1.76	0.19
05 05 23 00-1326 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	2.42	0.38
05 05 23 00-1327 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	3.32	0.38
05 05 23 00-1328 EA 1" Diameter, 316 Stainless Steel Hex Nut	5.09	0.38
05 05 23 00-1329 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	15.23	0.38
05 05 23 00-1330 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	24.54	0.56
05 05 23 00-1331 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	41.30	0.56
05 05 23 00-1332 EA 2" Diameter, 316 Stainless Steel Hex Nut	76.62	0.56
05 05 23 00-1333 Flat Washers <small>(05 05 23 00-1233)</small>		
05 05 23 00-1334 Zinc Plated Steel, Low Carbon Flat Washers <small>(05 05 23 00-1333)</small>		
05 05 23 00-1335 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1336 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1337 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1338 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1339 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1340 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1341 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1342 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1343 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1344 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1345 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1346 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	
05 05 23 00-1347 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.45	
05 05 23 00-1348 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.48	
05 05 23 00-1349 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.20	
05 05 23 00-1350 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	
05 05 23 00-1351 Zinc Plated Steel, Hardened Flat Washers <small>(05 05 23 00-1333)</small>		
05 05 23 00-1352 EA 1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.10	
05 05 23 00-1353 EA 5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.14	
05 05 23 00-1354 EA 3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.16	
05 05 23 00-1355 EA 7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21	
05 05 23 00-1356 EA 1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.29	
05 05 23 00-1357 EA 9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.47	
05 05 23 00-1358 EA 5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.67	
05 05 23 00-1359 EA 3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.94	
05 05 23 00-1360 EA 7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.58	
05 05 23 00-1361 EA 1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.75	
05 05 23 00-1362 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.54	
05 05 23 00-1363 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.78	
05 05 23 00-1364 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.66	
05 05 23 00-1365 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.18	
05 05 23 00-1366 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.62	
05 05 23 00-1367 EA 2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.75	
05 05 23 00-1368 Hot Dipped Galvanized Steel Flat Washers <small>(05 05 23 00-1333)</small>		
05 05 23 00-1369 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.07	
05 05 23 00-1370 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.09	
05 05 23 00-1371 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1372 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.20	
05 05 23 00-1373 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.25	
05 05 23 00-1374 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.41	
05 05 23 00-1375 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.46	
05 05 23 00-1376 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.70	
05 05 23 00-1377 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.98	
05 05 23 00-1378 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.08	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1379	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.65
05 05 23 00-1380	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.84
05 05 23 00-1381	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.62
05 05 23 00-1382	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.84
05 05 23 00-1383	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.12

05 05 23 00-1384 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1333)

05 05 23 00-1385	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.07
05 05 23 00-1386	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.09
05 05 23 00-1387	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.13
05 05 23 00-1388	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.25
05 05 23 00-1389	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.45
05 05 23 00-1390	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.56
05 05 23 00-1391	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.82
05 05 23 00-1392	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.84
05 05 23 00-1393	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.77
05 05 23 00-1394	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.24
05 05 23 00-1395	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.61
05 05 23 00-1396	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.81
05 05 23 00-1397	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.97
05 05 23 00-1398	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.62
05 05 23 00-1399	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.50
05 05 23 00-1400	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.84

05 05 23 00-1401 316 Stainless Steel Flat Washers (05 05 23 00-1333)

05 05 23 00-1402	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.14
05 05 23 00-1403	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.15
05 05 23 00-1404	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.27
05 05 23 00-1405	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.32
05 05 23 00-1406	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	0.58
05 05 23 00-1407	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.05
05 05 23 00-1408	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	1.24
05 05 23 00-1409	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	1.56
05 05 23 00-1410	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.42
05 05 23 00-1411	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	2.70
05 05 23 00-1412	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.08
05 05 23 00-1413	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.79
05 05 23 00-1414	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.00
05 05 23 00-1415	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	4.10
05 05 23 00-1416	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	6.00

05 05 23 00-1417 Lock Washers (05 05 23 00-1233)

05 05 23 00-1418 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1417)

05 05 23 00-1419	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.01
05 05 23 00-1420	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02
05 05 23 00-1421	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03
05 05 23 00-1422	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05
05 05 23 00-1423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.07
05 05 23 00-1424	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11
05 05 23 00-1425	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12
05 05 23 00-1426	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19
05 05 23 00-1427	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.31
05 05 23 00-1428	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.56
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.82
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.25
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.33
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.16
05 05 23 00-1434	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.69

05 05 23 00-1435 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1417)

05 05 23 00-1436	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.05
05 05 23 00-1437	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.06
05 05 23 00-1438	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08
05 05 23 00-1439	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09
05 05 23 00-1440	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14
05 05 23 00-1441	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18
05 05 23 00-1442	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.21
05 05 23 00-1443	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36
05 05 23 00-1444	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.52
05 05 23 00-1445	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82
05 05 23 00-1446	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.48
05 05 23 00-1447	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.76
05 05 23 00-1448	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.54
05 05 23 00-1449	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.91
05 05 23 00-1450	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1451 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	5.36	
05 05 23 00-1452 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1417)		
05 05 23 00-1453 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.06	
05 05 23 00-1454 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.08	
05 05 23 00-1455 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.12	
05 05 23 00-1456 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.22	
05 05 23 00-1457 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.24	
05 05 23 00-1458 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.58	
05 05 23 00-1459 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.68	
05 05 23 00-1460 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.80	
05 05 23 00-1461 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.44	
05 05 23 00-1462 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	2.03	
05 05 23 00-1463 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	3.55	
05 05 23 00-1464 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	4.72	
05 05 23 00-1465 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	6.00	
05 05 23 00-1466 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	7.20	
05 05 23 00-1467 316 Stainless Steel Lock Washers (05 05 23 00-1417)		
05 05 23 00-1468 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.07	
05 05 23 00-1469 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.16	
05 05 23 00-1470 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.18	
05 05 23 00-1471 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.31	
05 05 23 00-1472 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.34	
05 05 23 00-1473 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.62	
05 05 23 00-1474 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.68	
05 05 23 00-1475 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.17	
05 05 23 00-1476 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.94	
05 05 23 00-1477 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.63	
05 05 23 00-1478 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	3.68	
05 05 23 00-1479 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	5.66	
05 05 23 00-1480 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	10.12	
05 05 23 00-1481 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	11.24	
05 05 23 00-1482 Drilling In Steel Plates (05 05 23)		
05 05 23 00-1483 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	14.56	
For Aluminum, Deduct	-1.46	
For Stainless Steel, Add	1.82	
05 05 23 00-1484 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	17.14	
For Aluminum, Deduct	-1.71	
For Stainless Steel, Add	2.14	
05 05 23 00-1485 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	20.56	
For Aluminum, Deduct	-2.06	
For Stainless Steel, Add	2.57	
05 05 23 00-1486 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	24.00	
For Aluminum, Deduct	-2.40	
For Stainless Steel, Add	3.00	
05 05 23 00-1487 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	32.13	
For Aluminum, Deduct	-3.21	
For Stainless Steel, Add	4.02	
05 05 23 00-1488 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	17.14	
For Aluminum, Deduct	-1.71	
For Stainless Steel, Add	2.14	
05 05 23 00-1489 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	21.42	
For Aluminum, Deduct	-2.14	
For Stainless Steel, Add	2.68	
05 05 23 00-1490 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	25.71	
For Aluminum, Deduct	-2.57	
For Stainless Steel, Add	3.21	
05 05 23 00-1491 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.13	
For Aluminum, Deduct	-3.21	
For Stainless Steel, Add	4.02	
05 05 23 00-1492 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	21.42	
For Aluminum, Deduct	-2.14	
For Stainless Steel, Add	2.68	
05 05 23 00-1493 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	28.27	
For Aluminum, Deduct	-2.83	
For Stainless Steel, Add	3.53	
05 05 23 00-1494 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	34.27	
05 05 23 00-1495 Welded Stud Anchors (05 05 23)		
05 05 23 00-1496 EA 1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors.....	2.17	
05 05 23 00-1497 EA 1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	2.20	
05 05 23 00-1498 EA 1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.21	
05 05 23 00-1499 EA 1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.22	
05 05 23 00-1500 EA 3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors.....	2.26	
05 05 23 00-1501 EA 3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.33	
05 05 23 00-1502 EA 3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.39	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1503	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.43	
05 05 23 00-1504	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.46	
05 05 23 00-1505	EA	3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.60	
05 05 23 00-1506	EA	3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors.....	2.71	
05 05 23 00-1507	EA	3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	2.80	
05 05 23 00-1508	EA	1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors.....	2.64	
05 05 23 00-1509	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.65	
05 05 23 00-1510	EA	1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.76	
05 05 23 00-1511	EA	1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.85	
05 05 23 00-1512	EA	1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.97	
05 05 23 00-1513	EA	1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	3.16	
05 05 23 00-1514	EA	1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors.....	3.28	
05 05 23 00-1515	EA	1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	3.61	
05 05 23 00-1516	EA	1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors.....	4.23	
05 05 23 00-1517	EA	5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	3.46	
05 05 23 00-1518	EA	5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors.....	3.61	
05 05 23 00-1519	EA	5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors.....	3.74	
05 05 23 00-1520	EA	5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors.....	3.87	
05 05 23 00-1521	EA	5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors.....	3.97	
05 05 23 00-1522	EA	5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors.....	4.07	
05 05 23 00-1523	EA	5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors.....	4.20	
05 05 23 00-1524	EA	5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors.....	4.73	
05 05 23 00-1525	EA	5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors.....	5.47	

05 05 23 00-1526 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1527 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1526)**

05 05 23 00-1528	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.25	
05 05 23 00-1529	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	4.36	
05 05 23 00-1530	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	4.39	
05 05 23 00-1531	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	4.40	
05 05 23 00-1532	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	4.53	
05 05 23 00-1533	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	4.76	
05 05 23 00-1534	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	7.02	
05 05 23 00-1535	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.04	
05 05 23 00-1536	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	5.45	
05 05 23 00-1537	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	7.82	
05 05 23 00-1538	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	7.95	
05 05 23 00-1539	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	8.40	
05 05 23 00-1540	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.29	

05 05 23 00-1541 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1526)

05 05 23 00-1542	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.81	
05 05 23 00-1543	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	4.99	
05 05 23 00-1544	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	5.17	
05 05 23 00-1545	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.69	
05 05 23 00-1546	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	8.10	
05 05 23 00-1547	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.64	
05 05 23 00-1548	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	9.18	
05 05 23 00-1549	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.70	

05 05 23 00-1550 1" Diameter Welded Shear Stud Connector (05 05 23 00-1526)

05 05 23 00-1551	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	5.99	
05 05 23 00-1552	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	6.54	
05 05 23 00-1553	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	7.36	
05 05 23 00-1554	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	10.14	
05 05 23 00-1555	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	11.00	
05 05 23 00-1556	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	11.86	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel For Buildings (05 12)**

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0101 for field fabrication of additional structural metal connections, 05 12 23 00-0116 for moment connection welding.

05 12 23 00-0001 Rolled Steel Members (05 12 23)**05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)**

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

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns For 1 And 2 Story.....	6,006.94	938.11
		For ASTM A242 Type 2 High Strength Steel, Add	325.30	
		For Hot Dip Galvanizing, Add	1,138.53	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns For 1 And 2 Story..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,984.08 266.97 934.40	606.43
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns For 1 And 2 Story..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,326.57 237.01 829.55	341.15
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns For 1 And 2 Story..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,219.42 162.03 567.10	181.58
05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,225.62 283.64 992.73	637.99
05 12 23 00-0009 Shapes (05 12 23 00-0001)		
05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,778.75 469.77 1,644.20	1,743.95
05 12 23 00-0012 TON >10-20 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,558.08 449.39 1,572.85	1,023.45
05 12 23 00-0013 TON >20-58 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,588.28 395.32 1,383.61	606.43
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,782.33 462.68 1,619.39	2,388.04
05 12 23 00-0016 TON >10-20 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,480.52 443.18 1,551.14	1,819.46
05 12 23 00-0017 TON >20-58 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,499.65 388.23 1,358.80	606.43
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,072.72 452.04 1,582.16	1,383.70
05 12 23 00-0020 TON >20-50 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,964.99 425.45 1,489.09	606.43
05 12 23 00-0021 TON >50-80 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,463.32 327.95 1,147.84	341.15
05 12 23 00-0022 TON >80-115 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,852.87 212.73 744.55	181.85
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,258.93 425.45 1,489.09	1,023.45
05 12 23 00-0025 TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,713.11 325.30 1,138.53	606.43
05 12 23 00-0026 TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,687.75 265.91 930.68	341.15
05 12 23 00-0027 TON >100-365 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,698.06 200.32 701.11	181.58
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,915.46 397.98 1,392.92	1,023.45
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,746.36 327.96 1,147.84	606.43

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0032	TON		>65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,410.76 243.75 853.12	341.15
05 12 23 00-0033	TON		>100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,919.35 218.05 763.16	181.58
05 12 23 00-0034	TON		>300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,501.30 192.34 673.20	91.15
05 12 23 00-0035			Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036	TON		>30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,569.08 313.77 1,098.20	606.43
05 12 23 00-0037	TON		>65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,421.84 244.64 856.23	341.15
05 12 23 00-0038			Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039	TON		Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,258.93 425.45 1,489.09	1,023.45
05 12 23 00-0040	TON		>30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,967.94 345.68 1,209.89	606.43
05 12 23 00-0041	TON		>65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,499.40 250.84 877.94	341.15
05 12 23 00-0042			Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043	TON		1/2" To 5" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,039.05 276.55 967.91	545.84
05 12 23 00-0044	TON		>5" To 12" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,339.71 288.95 1,011.34	682.30
05 12 23 00-0045			Steel Shapes (05 12 23)		
05 12 23 00-0046			Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047	TON		1/2" To 5" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,310.54 308.45 1,079.59	426.48
05 12 23 00-0048	TON		>5" To 12" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,967.94 345.68 1,209.89	606.43
05 12 23 00-0049			Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050	LB		Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.27 0.13 0.46	0.58
05 12 23 00-0051	LB		Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.13 0.13 0.44	0.50
05 12 23 00-0052	TON		Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,981.07 274.19 959.65	519.14
05 12 23 00-0053	TON		Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,811.19 198.32 694.10	311.49
05 12 23 00-0054			Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055	TON		2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,241.41 352.77 1,234.70	779.73
05 12 23 00-0056	TON		>5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,635.94 335.05 1,172.66	419.84
05 12 23 00-0057			Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058	TON		3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,656.56 248.18 868.64	360.25
05 12 23 00-0059	TON		>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,018.88 248.18 868.64	415.47



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

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0060 Structural Tubing <small>(05 12 23 00-0045)</small>		
05 12 23 00-0061 Rectangle Structural Tubing <small>(05 12 23 00-0060)</small>		
05 12 23 00-0062 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle.....	5,927.92	363.89
For ASTM A242 Type 2 High Strength Steel, Add	443.18	
For Hot Dip Galvanizing, Add	1,551.14	
05 12 23 00-0063 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle.....	5,987.64	419.84
For ASTM A242 Type 2 High Strength Steel, Add	443.18	
For Hot Dip Galvanizing, Add	1,551.14	
05 12 23 00-0064 TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle.....	5,249.39	454.86
For ASTM A242 Type 2 High Strength Steel, Add	381.14	
For Hot Dip Galvanizing, Add	1,333.98	
05 12 23 00-0065 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle.....	5,014.05	545.84
For ASTM A242 Type 2 High Strength Steel, Add	354.55	
For Hot Dip Galvanizing, Add	1,240.91	
05 12 23 00-0066 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle.....	4,746.35	606.43
For ASTM A242 Type 2 High Strength Steel, Add	327.95	
For Hot Dip Galvanizing, Add	1,147.84	
05 12 23 00-0067 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle.....	4,994.61	839.23
For ASTM A242 Type 2 High Strength Steel, Add	327.95	
For Hot Dip Galvanizing, Add	1,147.84	
05 12 23 00-0068 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle.....	5,371.46	1,109.42
For ASTM A242 Type 2 High Strength Steel, Add	335.05	
For Hot Dip Galvanizing, Add	1,172.66	
05 12 23 00-0069 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle.....	5,525.07	1,211.85
For ASTM A242 Type 2 High Strength Steel, Add	338.59	
For Hot Dip Galvanizing, Add	1,185.07	
05 12 23 00-0070 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle.....	5,687.95	1,364.59
For ASTM A242 Type 2 High Strength Steel, Add	338.59	
For Hot Dip Galvanizing, Add	1,185.07	
05 12 23 00-0071 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle.....	7,245.99	2,866.83
For ASTM A242 Type 2 High Strength Steel, Add	335.05	
For Hot Dip Galvanizing, Add	1,172.66	
05 12 23 00-0072 TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle.....	6,018.02	1,819.46
For ASTM A242 Type 2 High Strength Steel, Add	326.18	
For Hot Dip Galvanizing, Add	1,141.64	
05 12 23 00-0073 TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle.....	8,763.80	4,185.94
For ASTM A242 Type 2 High Strength Steel, Add	343.91	
For Hot Dip Galvanizing, Add	1,203.68	
05 12 23 00-0074 Square Structural Tubing <small>(05 12 23 00-0060)</small>		
05 12 23 00-0075 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square.....	5,903.66	341.15
For ASTM A242 Type 2 High Strength Steel, Add	443.18	
For Hot Dip Galvanizing, Add	1,551.14	
05 12 23 00-0076 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square.....	5,927.92	363.89
For ASTM A242 Type 2 High Strength Steel, Add	443.18	
For Hot Dip Galvanizing, Add	1,551.14	
05 12 23 00-0077 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square.....	5,360.19	454.86
For ASTM A242 Type 2 High Strength Steel, Add	390.00	
For Hot Dip Galvanizing, Add	1,365.00	
05 12 23 00-0078 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square.....	5,346.43	545.84
For ASTM A242 Type 2 High Strength Steel, Add	381.14	
For Hot Dip Galvanizing, Add	1,333.98	
05 12 23 00-0079 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square.....	4,361.87	682.30
For ASTM A242 Type 2 High Strength Steel, Add	290.73	
For Hot Dip Galvanizing, Add	1,017.55	
05 12 23 00-0080 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square.....	4,465.84	779.73
For ASTM A242 Type 2 High Strength Steel, Add	290.73	
For Hot Dip Galvanizing, Add	1,017.55	
05 12 23 00-0081 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square.....	4,798.55	1,091.68
For ASTM A242 Type 2 High Strength Steel, Add	290.73	
For Hot Dip Galvanizing, Add	1,017.55	
05 12 23 00-0082 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square.....	5,156.14	1,364.59
For ASTM A242 Type 2 High Strength Steel, Add	296.05	
For Hot Dip Galvanizing, Add	1,036.16	
05 12 23 00-0083 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square.....	6,239.61	1,819.46
For ASTM A242 Type 2 High Strength Steel, Add	343.91	
For Hot Dip Galvanizing, Add	1,203.68	
05 12 23 00-0084 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square.....	7,210.00	2,729.19
For ASTM A242 Type 2 High Strength Steel, Add	343.91	
For Hot Dip Galvanizing, Add	1,203.68	
05 12 23 00-0085 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square.....	7,117.40	3,203.25
For ASTM A242 Type 2 High Strength Steel, Add	296.05	
For Hot Dip Galvanizing, Add	1,036.16	
05 12 23 00-0086 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square.....	8,675.16	4,185.94
For ASTM A242 Type 2 High Strength Steel, Add	336.82	
For Hot Dip Galvanizing, Add	1,178.86	
05 12 23 00-0087 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square.....	10,121.13	5,458.38
For ASTM A242 Type 2 High Strength Steel, Add	343.91	
For Hot Dip Galvanizing, Add	1,203.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0088			Structural Shapes (05 12 23 00-0045)		
05 12 23 00-0089	TON		Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF).....	7,023.36	2,076.55
			<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	298.18	
			<i>For Hot Dip Galvanizing, Add</i>	1,043.63	
			<i>For >20 To 50 LB/LF, Deduct</i>	-867.14	
			<i>For >50 To 75 LB/LF, Deduct</i>	-1,383.12	
			<i>For >75 To 100 LB/LF, Deduct</i>	-1,899.09	
05 12 23 00-0090	TON		Structural Shapes, Steel Plate A36 Structural Steel	4,650.08	830.62
			Note: Up to 21.5 LB per SF		
			<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	283.64	
			<i>For Hot Dip Galvanizing, Add</i>	992.75	
			<i>For >21.5 To 50 LB/LF, Deduct</i>	-520.24	
05 12 23 00-0091	LB		Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.68	0.19
05 12 23 00-0092	LB		Structural Shapes, Galvanized Pipe Supports	3.23	0.19
05 12 23 00-0093			Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094	TON		Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	4,800.48	272.92
05 12 23 00-0095	TON		>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,715.42	151.56
05 12 23 00-0096	TON		>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,185.05	80.24
05 12 23 00-0097	TON		>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,069.49	75.87
05 12 23 00-0098			Accessories For Steel (05 12 23)		
05 12 23 00-0099			Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0098)		
05 12 23 00-0100	SF		Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	0.78	
05 12 23 00-0101			Connection And Stiffener Plates (05 12 23 00-0098)		
			Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0102	TON		1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,235.59	
05 12 23 00-0103	TON		3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	8,732.96	
05 12 23 00-0104	TON		1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0105	TON		5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0106	TON		3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0107	TON		1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0108	TON		9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0109	TON		5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	6,753.38	
05 12 23 00-0110	TON		3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,331.29	
05 12 23 00-0111	TON		7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,331.29	
05 12 23 00-0112	TON		1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,331.29	
05 12 23 00-0113			Spot Welding (05 12 23 00-0098)		
			See CSI section 05 12 23 00-0116 for a series of welds.		
05 12 23 00-0114	EA		Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.26	
			<i>For Aluminum Welding, Add</i>	1.41	
			<i>For Stainless Steel Welding, Add</i>	2.34	
05 12 23 00-0115	EA		>15 Spot Weldings, Welds Up To 1" Length Each	7.47	
			<i>For Aluminum Welding, Add</i>	1.29	
			<i>For Stainless Steel Welding, Add</i>	2.09	
05 12 23 00-0116			Field Welding (Seam And Stitch Welding) (05 12 23 00-0098)		
05 12 23 00-0117			Vertical Fillet Welds (05 12 23 00-0116)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0118	LF		3/16" Vertical Fillet Weld	9.67	
			<i>For Aluminum Welding, Add</i>	1.60	
			<i>For Stainless Steel Welding, Add</i>	2.61	
			<i>For Up To 25, Add</i>	3.32	
			<i>For >25 To 50, Add</i>	2.37	
05 12 23 00-0119	LF		1/4" Vertical Fillet Weld	14.50	
			<i>For Aluminum Welding, Add</i>	2.40	
			<i>For Stainless Steel Welding, Add</i>	3.91	
			<i>For Up To 25, Add</i>	4.98	
			<i>For >25 To 50, Add</i>	3.55	
05 12 23 00-0120	LF		5/16" Vertical Fillet Weld	19.33	
			<i>For Aluminum Welding, Add</i>	3.21	
			<i>For Stainless Steel Welding, Add</i>	5.22	
			<i>For Up To 25, Add</i>	6.64	
			<i>For >25 To 50, Add</i>	4.73	
05 12 23 00-0121	LF		3/8" Vertical Fillet Weld	24.18	
			<i>For Aluminum Welding, Add</i>	4.01	
			<i>For Stainless Steel Welding, Add</i>	6.53	
			<i>For Up To 25, Add</i>	8.30	
			<i>For >25 To 50, Add</i>	5.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0122	LF		7/16" Vertical Fillet Weld.....	28.74	
			<i>For Aluminum Welding, Add</i>	4.61	
			<i>For Stainless Steel Welding, Add</i>	7.56	
			<i>For Up To 25, Add</i>	9.93	
			<i>For >25 To 50, Add</i>	7.09	
05 12 23 00-0123	LF		1/2" Vertical Fillet Weld.....	33.47	
			<i>For Aluminum Welding, Add</i>	5.55	
			<i>For Stainless Steel Welding, Add</i>	9.04	
			<i>For Up To 25, Add</i>	11.49	
			<i>For >25 To 50, Add</i>	8.19	
05 12 23 00-0124	LF		9/16" Vertical Fillet Weld.....	39.30	
			<i>For Aluminum Welding, Add</i>	6.37	
			<i>For Stainless Steel Welding, Add</i>	10.42	
			<i>For Up To 25, Add</i>	13.56	
			<i>For >25 To 50, Add</i>	9.67	
05 12 23 00-0125	LF		5/8" Vertical Fillet Weld.....	43.30	
			<i>For Aluminum Welding, Add</i>	7.06	
			<i>For Stainless Steel Welding, Add</i>	11.53	
			<i>For Up To 25, Add</i>	14.92	
			<i>For >25 To 50, Add</i>	10.64	
05 12 23 00-0126	LF		3/4" Vertical Fillet Weld.....	59.49	
			<i>For Aluminum Welding, Add</i>	9.89	
			<i>For Stainless Steel Welding, Add</i>	16.08	
			<i>For Up To 25, Add</i>	20.42	
			<i>For >25 To 50, Add</i>	14.55	
05 12 23 00-0127	LF		7/8" Vertical Fillet Weld.....	78.54	
			<i>For Aluminum Welding, Add</i>	12.86	
			<i>For Stainless Steel Welding, Add</i>	20.99	
			<i>For Up To 25, Add</i>	27.04	
			<i>For >25 To 50, Add</i>	19.28	
05 12 23 00-0128	LF		1" Vertical Fillet Weld.....	108.92	
			<i>For Aluminum Welding, Add</i>	18.15	
			<i>For Stainless Steel Welding, Add</i>	29.50	
			<i>For Up To 25, Add</i>	37.37	
			<i>For >25 To 50, Add</i>	26.63	
05 12 23 00-0129			Horizontal Or Flat Fillet Welds <small>(05 12 23 00-0116)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0130	LF		1/8" Horizontal Or Flat Fillet Weld.....	5.50	
			<i>For Aluminum Welding, Add</i>	0.95	
			<i>For Stainless Steel Welding, Add</i>	1.53	
			<i>For Up To 25, Add</i>	1.88	
			<i>For >25 To 50, Add</i>	1.34	
05 12 23 00-0131	LF		3/16" Horizontal Or Flat Fillet Weld.....	7.32	
			<i>For Aluminum Welding, Add</i>	1.25	
			<i>For Stainless Steel Welding, Add</i>	2.03	
			<i>For Up To 25, Add</i>	2.50	
			<i>For >25 To 50, Add</i>	1.78	
05 12 23 00-0132	LF		1/4" Horizontal Or Flat Fillet Weld.....	10.99	
			<i>For Aluminum Welding, Add</i>	1.89	
			<i>For Stainless Steel Welding, Add</i>	3.05	
			<i>For Up To 25, Add</i>	3.75	
			<i>For >25 To 50, Add</i>	2.67	
05 12 23 00-0133	LF		5/16" Horizontal Or Flat Fillet Weld.....	14.66	
			<i>For Aluminum Welding, Add</i>	2.52	
			<i>For Stainless Steel Welding, Add</i>	4.07	
			<i>For Up To 25, Add</i>	5.00	
			<i>For >25 To 50, Add</i>	3.56	
05 12 23 00-0134	LF		3/8" Horizontal Or Flat Fillet Weld.....	18.31	
			<i>For Aluminum Welding, Add</i>	3.14	
			<i>For Stainless Steel Welding, Add</i>	5.07	
			<i>For Up To 25, Add</i>	6.24	
			<i>For >25 To 50, Add</i>	4.45	
05 12 23 00-0135	LF		7/16" Horizontal Or Flat Fillet Weld.....	21.17	
			<i>For Aluminum Welding, Add</i>	3.49	
			<i>For Stainless Steel Welding, Add</i>	5.69	
			<i>For Up To 25, Add</i>	7.28	
			<i>For >25 To 50, Add</i>	5.19	
05 12 23 00-0136	LF		1/2" Horizontal Or Flat Fillet Weld.....	25.85	
			<i>For Aluminum Welding, Add</i>	4.44	
			<i>For Stainless Steel Welding, Add</i>	7.16	
			<i>For Up To 25, Add</i>	8.82	
			<i>For >25 To 50, Add</i>	6.28	
05 12 23 00-0137	LF		9/16" Horizontal Or Flat Fillet Weld.....	29.09	
			<i>For Aluminum Welding, Add</i>	4.87	
			<i>For Stainless Steel Welding, Add</i>	7.91	
			<i>For Up To 25, Add</i>	9.97	
			<i>For >25 To 50, Add</i>	7.10	
05 12 23 00-0138	LF		5/8" Horizontal Or Flat Fillet Weld.....	34.94	
			<i>For Aluminum Welding, Add</i>	5.90	
			<i>For Stainless Steel Welding, Add</i>	9.56	
			<i>For Up To 25, Add</i>	11.95	
			<i>For >25 To 50, Add</i>	8.52	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0139	LF		3/4" Horizontal Or Flat Fillet Weld.....	44.05	
			<i>For Aluminum Welding, Add</i>	7.62	
			<i>For Stainless Steel Welding, Add</i>	12.28	
			<i>For Up To 25, Add</i>	15.00	
			<i>For >25 To 50, Add</i>	10.67	
05 12 23 00-0140	LF		7/8" Horizontal Or Flat Fillet Weld.....	66.65	
			<i>For Aluminum Welding, Add</i>	11.01	
			<i>For Stainless Steel Welding, Add</i>	17.92	
			<i>For Up To 25, Add</i>	22.91	
			<i>For >25 To 50, Add</i>	16.33	
05 12 23 00-0141	LF		1" Horizontal Or Flat Fillet Weld.....	87.89	
			<i>For Aluminum Welding, Add</i>	15.08	
			<i>For Stainless Steel Welding, Add</i>	24.34	
			<i>For Up To 25, Add</i>	29.97	
			<i>For >25 To 50, Add</i>	21.34	
05 12 23 00-0142			Cold Galvanizing (05 12 23 00-0098)		
05 12 23 00-0143	SF		Brush Applied Cold Galvanizing.....	1.48	
05 12 23 00-0144			Metal Grinding (05 12 23 00-0098)		
			Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0145	SI		Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.72	
			Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0146			Structural Steel For Buildings And Structures (05 12 23)		
05 12 23 00-0147			First Tier A992/A36 Structural Steel Columns (05 12 23 00-0146)		
			Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0148	LF		W14 x 500 A992/A36 Structural Column	735.23	47.31
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	66.17	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	147.05	
05 12 23 00-0149	LF		W14 x 426 A992/A36 Structural Column	577.40	41.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	51.97	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	115.48	
05 12 23 00-0150	LF		W14 x 342 A992/A36 Structural Column	467.38	35.75
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.06	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.48	
05 12 23 00-0151	LF		W14 x 311 A992/A36 Structural Column	421.20	33.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	37.91	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.24	
05 12 23 00-0152	LF		W14 x 283 A992/A36 Structural Column	382.54	31.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.43	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.51	
05 12 23 00-0153	LF		W14 x 257 A992/A36 Structural Column	336.68	29.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.30	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.34	
05 12 23 00-0154	LF		W14 x 233 A992/A36 Structural Column	309.88	27.75
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	27.89	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	61.98	
05 12 23 00-0155	LF		W14 x 211 A992/A36 Structural Column	275.88	25.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.83	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.18	
05 12 23 00-0156	LF		W14 x 193 A992/A36 Structural Column	249.77	24.56
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.48	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.95	
05 12 23 00-0157	LF		W14 x 176 A992/A36 Structural Column	225.37	23.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.28	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.07	
05 12 23 00-0158	LF		W14 x 159 A992/A36 Structural Column	204.05	22.65
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.36	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.81	
05 12 23 00-0159	LF		W14 x 145 A992/A36 Structural Column	197.21	21.93
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.75	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.44	
05 12 23 00-0160	LF		W14 x 132 A992/A36 Structural Column	169.08	20.92
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.22	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.82	
05 12 23 00-0161	LF		W14 x 120 A992/A36 Structural Column	158.70	20.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.28	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.74	
05 12 23 00-0162	LF		W14 x 109 A992/A36 Structural Column	142.35	19.56
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.81	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.47	
05 12 23 00-0163	LF		W14 x 99 A992/A36 Structural Column	130.11	19.02
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.71	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.02	
05 12 23 00-0164	LF		W14 x 90 A992/A36 Structural Column	121.05	18.56
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.89	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0165	LF		W14 x 82 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.71 10.05 22.34	18.01
05 12 23 00-0166	LF		W14 x 74 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	101.11 9.10 20.22	17.55
05 12 23 00-0167	LF		W14 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.62 8.52 18.92	17.29
05 12 23 00-0168	LF		W14 x 61 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.50 7.79 17.30	16.83
05 12 23 00-0169	LF		W14 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.00 7.11 15.80	16.37
05 12 23 00-0170	LF		W14 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.17 6.68 14.83	16.10
05 12 23 00-0171	LF		W14 x 43 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.18 6.05 13.44	15.83
05 12 23 00-0172	LF		W12 x 190 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	262.82 23.65 52.56	25.10
05 12 23 00-0173	LF		W12 x 170 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	248.45 22.36 49.69	24.38
05 12 23 00-0174	LF		W12 x 152 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	214.52 19.31 42.90	22.65
05 12 23 00-0175	LF		W12 x 136 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	204.03 18.36 40.81	22.01
05 12 23 00-0176	LF		W12 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	155.18 13.97 31.04	20.20
05 12 23 00-0177	LF		W12 x 106 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.17 12.89 28.63	19.56
05 12 23 00-0178	LF		W12 x 96 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	128.36 11.55 25.67	18.92
05 12 23 00-0179	LF		W12 x 87 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.60 10.67 23.72	18.29
05 12 23 00-0180	LF		W12 x 79 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	104.38 9.39 20.88	17.74
05 12 23 00-0181	LF		W12 x 72 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.75 8.62 19.15	17.29
05 12 23 00-0182	LF		W12 x 65 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.73 7.90 17.55	16.92
05 12 23 00-0183	LF		W12 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.96 7.65 16.99	16.74
05 12 23 00-0184	LF		W12 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.00 7.11 15.80	16.37
05 12 23 00-0185	LF		W12 x 50 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.63 6.90 15.33	16.28
05 12 23 00-0186	LF		W12 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.84 6.29 13.97	15.92
05 12 23 00-0187	LF		W12 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.85 5.66 12.57	15.56
05 12 23 00-0188	LF		W10 x 112 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	149.66 13.47 29.93	19.92
05 12 23 00-0189	LF		W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	135.58 12.20 27.12	19.10
05 12 23 00-0190	LF		W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.11 10.99 24.42	18.47
05 12 23 00-0191	LF		W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	108.84 9.80 21.77	17.74
05 12 23 00-0192	LF		W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.25 8.84 19.65	17.29

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0193	LF		W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.50 7.79 17.30	16.83
05 12 23 00-0194	LF		W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.90 7.73 17.18	16.56
05 12 23 00-0195	LF		W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.72 6.81 15.14	16.28
05 12 23 00-0196	LF		W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.15 6.58 14.63	16.01
05 12 23 00-0197	LF		W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.98 5.76 12.80	15.74
05 12 23 00-0198	LF		W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.07 5.05 11.21	15.28
05 12 23 00-0199	LF		W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.73 8.53 18.95	17.29
05 12 23 00-0200	LF		W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.27 7.67 17.05	16.74
05 12 23 00-0201	LF		W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.55 6.89 15.31	16.28
05 12 23 00-0202	LF		W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.04 5.94 13.21	15.83
05 12 23 00-0203	LF		W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.88 5.39 11.98	15.46
05 12 23 00-0204	LF		W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	54.93 4.94 10.99	15.28
05 12 23 00-0205	LF		W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.84 4.67 10.37	15.10
05 12 23 00-0206	LF		W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.14 4.33 9.63	14.92
05 12 23 00-0207	LF		W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.68 4.11 9.14	14.82
05 12 23 00-0208	LF		W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.04 3.69 8.21	14.56
05 12 23 00-0209	LF		W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.42 4.54 10.08	14.92
05 12 23 00-0210	LF		W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.00 3.87 8.60	14.64
05 12 23 00-0211	LF		W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.16 3.34 7.43	14.19
05 12 23 00-0212	LF		W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.99 3.15 7.00	14.19
05 12 23 00-0213	LF		W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.19 2.90 6.44	14.10
05 12 23 00-0214	LF		W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.38 3.81 8.48	14.64
05 12 23 00-0215	LF		W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.18 3.53 7.84	14.56
05 12 23 00-0216	LF		W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.83 3.31 7.37	14.38
05 12 23 00-0217	LF		M6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.80 2.50 5.56	14.64
05 12 23 00-0218	LF		M5 x 18.9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.88 4.13 9.18	14.64
05 12 23 00-0219	LF		M5 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.07 3.43 7.61	14.38
05 12 23 00-0220	LF		S5 x 17.25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.64 3.75 8.33	14.56



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0221	LF	S5 x 14.75	A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.92 3.50 7.78	14.46
05 12 23 00-0222	LF	S5 x 12.5	A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.67 3.30 7.33	14.19
05 12 23 00-0223	LF	S5 x 10	A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.37 3.00 6.67	14.10
05 12 23 00-0224	LF	S4 x 9.5	A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.52 2.93 6.50	14.10
05 12 23 00-0225	LF	S4 x 7.7	A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.56 2.75 6.11	14.10
05 12 23 00-0226	LF	S3 x 7.5	A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.37 2.73 6.07	14.10
05 12 23 00-0227	LF	S3 x 5.7	A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.01 2.52 5.60	14.01
05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders (05 12 23 00-0146)					
Note: Includes material delivery and erection.					
05 12 23 00-0229	LF	W36 x 280	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	321.09 28.90 64.22 2.48 -101.46 38.53	68.23
05 12 23 00-0230	LF	W36 x 260	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	304.75 27.43 60.95 2.33 -95.88 36.57	67.41
05 12 23 00-0231	LF	W36 x 210	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	263.10 23.68 52.62 1.94 -81.65 31.57	65.23
05 12 23 00-0232	LF	W36 x 160	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	221.46 19.93 44.29 1.54 -67.41 26.58	63.14
05 12 23 00-0233	LF	W36 x 150	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	212.94 19.16 42.59 1.46 -64.50 25.55	62.68
05 12 23 00-0234	LF	W36 x 135	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	201.01 18.09 40.20 1.35 -60.42 24.12	62.13
05 12 23 00-0235	LF	W33 x 201	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	255.19 22.97 51.04 1.86 -78.95 30.62	64.78
05 12 23 00-0236	LF	W33 x 170	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	230.63 20.76 46.13 1.63 -70.55 27.68	63.59
05 12 23 00-0237	LF	W33 x 141	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	206.14 18.55 41.23 1.40 -62.17 24.74	62.31
05 12 23 00-0238	LF	W33 x 130	A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	196.49 17.68 39.30 1.31 -58.88 23.58	61.87

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0239	LF		W33 x 118 A992/A36 Structural Beam Or Girder.....	185.26	61.31
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.05	
			<i>For Each Additional Top Copes >2, Add</i>	1.20	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-55.03	
			<i>For Skewed Or Sloped Connections, Add</i>	22.23	
05 12 23 00-0240	LF		W30 x 191 A992/A36 Structural Beam Or Girder.....	244.58	64.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.01	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	48.92	
			<i>For Each Additional Top Copes >2, Add</i>	1.76	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-75.30	
			<i>For Skewed Or Sloped Connections, Add</i>	29.35	
05 12 23 00-0241	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	213.12	62.77
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.18	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	42.62	
			<i>For Each Additional Top Copes >2, Add</i>	1.46	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-64.55	
			<i>For Skewed Or Sloped Connections, Add</i>	25.57	
05 12 23 00-0242	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	181.76	61.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.36	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.35	
			<i>For Each Additional Top Copes >2, Add</i>	1.16	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-53.82	
			<i>For Skewed Or Sloped Connections, Add</i>	21.81	
05 12 23 00-0243	LF		W30 x 108 A992/A36 Structural Beam Or Girder.....	167.75	55.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.55	
			<i>For Each Additional Top Copes >2, Add</i>	1.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-49.90	
			<i>For Skewed Or Sloped Connections, Add</i>	20.13	
05 12 23 00-0244	LF		W30 x 99 A992/A36 Structural Beam Or Girder	160.85	54.86
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.17	
			<i>For Each Additional Top Copes >2, Add</i>	1.02	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.54	
			<i>For Skewed Or Sloped Connections, Add</i>	19.30	
05 12 23 00-0245	LF		W27 x 102 A992/A36 Structural Beam Or Girder.....	161.57	54.86
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.31	
			<i>For Each Additional Top Copes >2, Add</i>	1.03	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.78	
			<i>For Skewed Or Sloped Connections, Add</i>	19.39	
05 12 23 00-0246	LF		W27 x 94 A992/A36 Structural Beam Or Girder	155.09	54.50
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.96	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.02	
			<i>For Each Additional Top Copes >2, Add</i>	0.97	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.56	
			<i>For Skewed Or Sloped Connections, Add</i>	18.61	
05 12 23 00-0247	LF		W27 x 84 A992/A36 Structural Beam Or Girder	147.19	54.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.25	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.44	
			<i>For Each Additional Top Copes >2, Add</i>	0.90	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.86	
			<i>For Skewed Or Sloped Connections, Add</i>	17.66	
05 12 23 00-0248	LF		W24 x 94 A992/A36 Structural Beam Or Girder	149.19	54.50
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.43	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.84	
			<i>For Each Additional Top Copes >2, Add</i>	0.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.50	
			<i>For Skewed Or Sloped Connections, Add</i>	17.90	
05 12 23 00-0249	LF		W24 x 84 A992/A36 Structural Beam Or Girder	135.71	48.31
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.21	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.14	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.76	
			<i>For Skewed Or Sloped Connections, Add</i>	16.29	
05 12 23 00-0250	LF		W24 x 76 A992/A36 Structural Beam Or Girder	129.64	47.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.93	
			<i>For Each Additional Top Copes >2, Add</i>	0.78	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.69	
			<i>For Skewed Or Sloped Connections, Add</i>	15.56	
05 12 23 00-0251	LF		W24 x 68 A992/A36 Structural Beam Or Girder	122.02	47.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.98	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.40	
			<i>For Each Additional Top Copes >2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.08	
			<i>For Skewed Or Sloped Connections, Add</i>	14.64	
05 12 23 00-0252	LF		W24 x 62 A992/A36 Structural Beam Or Girder	118.02	47.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.60	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.72	
			<i>For Skewed Or Sloped Connections, Add</i>	14.16	



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

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0253	LF		W24 x 55 A992/A36 Structural Beam Or Girder	112.56	47.21
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.51	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.85	
			<i>For Skewed Or Sloped Connections, Add</i>	13.51	
05 12 23 00-0254	LF		W21 x 93 A992/A36 Structural Beam Or Girder	140.60	48.85
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.65	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.12	
			<i>For Each Additional Top Copes >2, Add</i>	0.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.39	
			<i>For Skewed Or Sloped Connections, Add</i>	16.87	
05 12 23 00-0255	LF		W21 x 83 A992/A36 Structural Beam Or Girder	133.43	48.31
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.01	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.69	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.96	
			<i>For Skewed Or Sloped Connections, Add</i>	16.01	
05 12 23 00-0256	LF		W21 x 73 A992/A36 Structural Beam Or Girder	124.68	47.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.22	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.94	
			<i>For Each Additional Top Copes >2, Add</i>	0.74	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.97	
			<i>For Skewed Or Sloped Connections, Add</i>	14.96	
05 12 23 00-0257	LF		W21 x 68 A992/A36 Structural Beam Or Girder	120.26	47.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.05	
			<i>For Each Additional Top Copes >2, Add</i>	0.69	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.46	
			<i>For Skewed Or Sloped Connections, Add</i>	14.43	
05 12 23 00-0258	LF		W21 x 62 A992/A36 Structural Beam Or Girder	116.26	47.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.46	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.25	
			<i>For Each Additional Top Copes >2, Add</i>	0.66	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.10	
			<i>For Skewed Or Sloped Connections, Add</i>	13.95	
05 12 23 00-0259	LF		W21 x 57 A992/A36 Structural Beam Or Girder	112.66	47.31
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.14	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.53	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.87	
			<i>For Skewed Or Sloped Connections, Add</i>	13.52	
05 12 23 00-0260	LF		W21 x 50 A992/A36 Structural Beam Or Girder	99.69	41.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.97	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.94	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.31	
			<i>For Skewed Or Sloped Connections, Add</i>	11.96	
05 12 23 00-0261	LF		W21 x 44 A992/A36 Structural Beam Or Girder	95.48	40.85
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.59	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.10	
			<i>For Each Additional Top Copes >2, Add</i>	0.52	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.88	
			<i>For Skewed Or Sloped Connections, Add</i>	11.46	
05 12 23 00-0262	LF		W18 x 97 A992/A36 Structural Beam Or Girder	143.49	48.85
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.91	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.70	
			<i>For Each Additional Top Copes >2, Add</i>	0.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.39	
			<i>For Skewed Or Sloped Connections, Add</i>	17.22	
05 12 23 00-0263	LF		W18 x 86 A992/A36 Structural Beam Or Girder	135.27	48.40
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.17	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.05	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.59	
			<i>For Skewed Or Sloped Connections, Add</i>	16.23	
05 12 23 00-0264	LF		W18 x 76 A992/A36 Structural Beam Or Girder	127.88	47.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.51	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.58	
			<i>For Each Additional Top Copes >2, Add</i>	0.77	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.08	
			<i>For Skewed Or Sloped Connections, Add</i>	15.35	
05 12 23 00-0265	LF		W18 x 71 A992/A36 Structural Beam Or Girder	122.52	47.85
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.03	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.50	
			<i>For Each Additional Top Copes >2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.23	
			<i>For Skewed Or Sloped Connections, Add</i>	14.70	
05 12 23 00-0266	LF		W18 x 65 A992/A36 Structural Beam Or Girder	117.27	47.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.55	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.45	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.43	
			<i>For Skewed Or Sloped Connections, Add</i>	14.07	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0267	LF		W18 x 60 A992/A36 Structural Beam Or Girder	112.54	47.31
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.51	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.82	
			<i>For Skewed Or Sloped Connections, Add</i>	13.50	
05 12 23 00-0268	LF		W18 x 55 A992/A36 Structural Beam Or Girder	107.79	47.21
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.56	
			<i>For Each Additional Top Copes >2, Add</i>	0.57	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.18	
			<i>For Skewed Or Sloped Connections, Add</i>	12.93	
05 12 23 00-0269	LF		W18 x 50 A992/A36 Structural Beam Or Girder	96.79	41.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.71	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.36	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.30	
			<i>For Skewed Or Sloped Connections, Add</i>	11.61	
05 12 23 00-0270	LF		W18 x 46 A992/A36 Structural Beam Or Girder	93.08	40.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.38	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.62	
			<i>For Each Additional Top Copes >2, Add</i>	0.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.03	
			<i>For Skewed Or Sloped Connections, Add</i>	11.17	
05 12 23 00-0271	LF		W18 x 40 A992/A36 Structural Beam Or Girder	81.21	34.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.31	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.24	
			<i>For Each Additional Top Copes >2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.83	
			<i>For Skewed Or Sloped Connections, Add</i>	9.75	
05 12 23 00-0272	LF		W18 x 35 A992/A36 Structural Beam Or Girder	76.58	34.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.89	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.32	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.24	
			<i>For Skewed Or Sloped Connections, Add</i>	9.19	
05 12 23 00-0273	LF		W16 x 100 A992/A36 Structural Beam Or Girder	131.94	31.75
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.87	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.39	
			<i>For Each Additional Top Copes >2, Add</i>	0.98	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.10	
			<i>For Skewed Or Sloped Connections, Add</i>	15.83	
05 12 23 00-0274	LF		W16 x 89 A992/A36 Structural Beam Or Girder	121.46	31.20
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.93	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.29	
			<i>For Each Additional Top Copes >2, Add</i>	0.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.52	
			<i>For Skewed Or Sloped Connections, Add</i>	14.58	
05 12 23 00-0275	LF		W16 x 77 A992/A36 Structural Beam Or Girder	110.22	30.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.92	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.04	
			<i>For Each Additional Top Copes >2, Add</i>	0.77	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.65	
			<i>For Skewed Or Sloped Connections, Add</i>	13.23	
05 12 23 00-0276	LF		W16 x 67 A992/A36 Structural Beam Or Girder	100.66	30.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.06	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.13	
			<i>For Each Additional Top Copes >2, Add</i>	0.68	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.37	
			<i>For Skewed Or Sloped Connections, Add</i>	12.08	
05 12 23 00-0277	LF		W16 x 57 A992/A36 Structural Beam Or Girder	91.19	29.93
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.21	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.24	
			<i>For Each Additional Top Copes >2, Add</i>	0.59	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.13	
			<i>For Skewed Or Sloped Connections, Add</i>	10.94	
05 12 23 00-0278	LF		W16 x 50 A992/A36 Structural Beam Or Girder	84.60	29.66
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.61	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.92	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.86	
			<i>For Skewed Or Sloped Connections, Add</i>	10.15	
05 12 23 00-0279	LF		W16 x 45 A992/A36 Structural Beam Or Girder	79.95	29.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.20	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.99	
			<i>For Each Additional Top Copes >2, Add</i>	0.48	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.26	
			<i>For Skewed Or Sloped Connections, Add</i>	9.59	
05 12 23 00-0280	LF		W16 x 40 A992/A36 Structural Beam Or Girder	75.12	29.20
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.76	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.02	
			<i>For Each Additional Top Copes >2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.61	
			<i>For Skewed Or Sloped Connections, Add</i>	9.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0281	LF			W16 x 36 A992/A36 Structural Beam Or Girder .....71.33		29.02
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.42	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	14.27	
				<i>For Each Additional Top Copes >2, Add</i>	0.40	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.33	
				<i>For Skewed Or Sloped Connections, Add</i>	8.56	
05 12 23 00-0282	LF			W16 x 31 A992/A36 Structural Beam Or Girder .....60.50		23.11
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.45	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	12.10	
				<i>For Each Additional Top Copes >2, Add</i>	0.36	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.48	
				<i>For Skewed Or Sloped Connections, Add</i>	7.26	
05 12 23 00-0283	LF			W16 x 26 A992/A36 Structural Beam Or Girder .....64.78		22.83
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.83	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	12.96	
				<i>For Each Additional Top Copes >2, Add</i>	0.40	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.02	
				<i>For Skewed Or Sloped Connections, Add</i>	7.77	
05 12 23 00-0284	LF			W14 x 99 A992/A36 Structural Beam Or Girder .....124.92		26.02
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.24	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	24.98	
				<i>For Each Additional Top Copes >2, Add</i>	0.97	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.56	
				<i>For Skewed Or Sloped Connections, Add</i>	14.99	
05 12 23 00-0285	LF			W14 x 90 A992/A36 Structural Beam Or Girder .....116.38		25.56
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.47	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	23.28	
				<i>For Each Additional Top Copes >2, Add</i>	0.89	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.64	
				<i>For Skewed Or Sloped Connections, Add</i>	13.97	
05 12 23 00-0286	LF			W14 x 82 A992/A36 Structural Beam Or Girder .....108.77		25.29
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.79	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	21.75	
				<i>For Each Additional Top Copes >2, Add</i>	0.82	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.03	
				<i>For Skewed Or Sloped Connections, Add</i>	13.05	
05 12 23 00-0287	LF			W14 x 74 A992/A36 Structural Beam Or Girder .....101.16		24.92
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.10	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	20.23	
				<i>For Each Additional Top Copes >2, Add</i>	0.75	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.42	
				<i>For Skewed Or Sloped Connections, Add</i>	12.14	
05 12 23 00-0288	LF			W14 x 68 A992/A36 Structural Beam Or Girder .....95.49		24.66
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.59	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	19.10	
				<i>For Each Additional Top Copes >2, Add</i>	0.69	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-29.48	
				<i>For Skewed Or Sloped Connections, Add</i>	11.46	
05 12 23 00-0289	LF			W14 x 61 A992/A36 Structural Beam Or Girder .....88.90		24.38
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.00	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	17.78	
				<i>For Each Additional Top Copes >2, Add</i>	0.63	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.21	
				<i>For Skewed Or Sloped Connections, Add</i>	10.67	
05 12 23 00-0290	LF			W14 x 53 A992/A36 Structural Beam Or Girder .....81.39		24.02
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.33	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	16.28	
				<i>For Each Additional Top Copes >2, Add</i>	0.56	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.64	
				<i>For Skewed Or Sloped Connections, Add</i>	9.77	
05 12 23 00-0291	LF			W14 x 48 A992/A36 Structural Beam Or Girder .....76.56		23.74
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.89	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	15.31	
				<i>For Each Additional Top Copes >2, Add</i>	0.51	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.99	
				<i>For Skewed Or Sloped Connections, Add</i>	9.19	
05 12 23 00-0292	LF			W14 x 43 A992/A36 Structural Beam Or Girder .....71.82		23.65
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.46	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	14.36	
				<i>For Each Additional Top Copes >2, Add</i>	0.47	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.36	
				<i>For Skewed Or Sloped Connections, Add</i>	8.62	
05 12 23 00-0293	LF			W14 x 38 A992/A36 Structural Beam Or Girder .....67.08		23.47
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.04	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	13.42	
				<i>For Each Additional Top Copes >2, Add</i>	0.42	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.74	
				<i>For Skewed Or Sloped Connections, Add</i>	8.05	
05 12 23 00-0294	LF			W14 x 34 A992/A36 Structural Beam Or Girder .....63.28		23.20
				<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.70	
				<i>For High Strength Low Alloy A588 Steel, Add</i>	12.66	
				<i>For Each Additional Top Copes >2, Add</i>	0.39	
				<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.44	
				<i>For Skewed Or Sloped Connections, Add</i>	7.59	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0295	LF		W14 x 30 A992/A36 Structural Beam Or Girder	59.47	23.11
			For High Strength Low Alloy A572-50 Steel, Add	5.35	
			For High Strength Low Alloy A588 Steel, Add	11.89	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-17.13	
			For Skewed Or Sloped Connections, Add	7.14	
05 12 23 00-0296	LF		W14 x 26 A992/A36 Structural Beam Or Girder	55.67	22.83
			For High Strength Low Alloy A572-50 Steel, Add	5.01	
			For High Strength Low Alloy A588 Steel, Add	11.13	
			For Each Additional Top Copes >2, Add	0.31	
			For Structural Tees, WT, MT Or ST, Deduct	-15.83	
			For Skewed Or Sloped Connections, Add	6.68	
05 12 23 00-0297	LF		W14 x 22 A992/A36 Structural Beam Or Girder	51.96	22.75
			For High Strength Low Alloy A572-50 Steel, Add	4.68	
			For High Strength Low Alloy A588 Steel, Add	10.39	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-14.56	
			For Skewed Or Sloped Connections, Add	6.24	
05 12 23 00-0298	LF		W12 x 87 A992/A36 Structural Beam Or Girder	113.61	25.47
			For High Strength Low Alloy A572-50 Steel, Add	10.22	
			For High Strength Low Alloy A588 Steel, Add	22.72	
			For Each Additional Top Copes >2, Add	0.86	
			For Structural Tees, WT, MT Or ST, Deduct	-35.68	
			For Skewed Or Sloped Connections, Add	13.63	
05 12 23 00-0299	LF		W12 x 79 A992/A36 Structural Beam Or Girder	105.98	25.10
			For High Strength Low Alloy A572-50 Steel, Add	9.54	
			For High Strength Low Alloy A588 Steel, Add	21.20	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-33.07	
			For Skewed Or Sloped Connections, Add	12.72	
05 12 23 00-0300	LF		W12 x 72 A992/A36 Structural Beam Or Girder	99.30	24.84
			For High Strength Low Alloy A572-50 Steel, Add	8.94	
			For High Strength Low Alloy A588 Steel, Add	19.86	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-30.78	
			For Skewed Or Sloped Connections, Add	11.92	
05 12 23 00-0301	LF		W12 x 65 A992/A36 Structural Beam Or Girder	92.71	24.56
			For High Strength Low Alloy A572-50 Steel, Add	8.34	
			For High Strength Low Alloy A588 Steel, Add	18.54	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-28.52	
			For Skewed Or Sloped Connections, Add	11.13	
05 12 23 00-0302	LF		W12 x 58 A992/A36 Structural Beam Or Girder	86.03	24.20
			For High Strength Low Alloy A572-50 Steel, Add	7.74	
			For High Strength Low Alloy A588 Steel, Add	17.21	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-26.23	
			For Skewed Or Sloped Connections, Add	10.32	
05 12 23 00-0303	LF		W12 x 53 A992/A36 Structural Beam Or Girder	81.39	24.02
			For High Strength Low Alloy A572-50 Steel, Add	7.33	
			For High Strength Low Alloy A588 Steel, Add	16.28	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-24.64	
			For Skewed Or Sloped Connections, Add	9.77	
05 12 23 00-0304	LF		W12 x 50 A992/A36 Structural Beam Or Girder	78.41	23.92
			For High Strength Low Alloy A572-50 Steel, Add	7.06	
			For High Strength Low Alloy A588 Steel, Add	15.68	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-23.62	
			For Skewed Or Sloped Connections, Add	9.41	
05 12 23 00-0305	LF		W12 x 45 A992/A36 Structural Beam Or Girder	73.77	23.74
			For High Strength Low Alloy A572-50 Steel, Add	6.64	
			For High Strength Low Alloy A588 Steel, Add	14.75	
			For Each Additional Top Copes >2, Add	0.48	
			For Structural Tees, WT, MT Or ST, Deduct	-22.03	
			For Skewed Or Sloped Connections, Add	8.85	
05 12 23 00-0306	LF		W12 x 40 A992/A36 Structural Beam Or Girder	62.75	17.65
			For High Strength Low Alloy A572-50 Steel, Add	5.65	
			For High Strength Low Alloy A588 Steel, Add	12.55	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-19.14	
			For Skewed Or Sloped Connections, Add	7.53	
05 12 23 00-0307	LF		W12 x 35 A992/A36 Structural Beam Or Girder	58.12	17.55
			For High Strength Low Alloy A572-50 Steel, Add	5.23	
			For High Strength Low Alloy A588 Steel, Add	11.62	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-17.54	
			For Skewed Or Sloped Connections, Add	6.97	
05 12 23 00-0308	LF		W12 x 30 A992/A36 Structural Beam Or Girder	53.29	17.29
			For High Strength Low Alloy A572-50 Steel, Add	4.80	
			For High Strength Low Alloy A588 Steel, Add	10.66	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-15.89	
			For Skewed Or Sloped Connections, Add	6.39	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0309	LF			W12 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	49.48 4.45 9.90 0.31 -14.59 5.94	17.11
05 12 23 00-0310	LF			W12 x 22 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	45.77 4.12 9.15 0.28 -13.32 5.49	16.92
05 12 23 00-0311	LF			W12 x 19 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	42.89 3.86 8.58 0.25 -12.32 5.15	16.83
05 12 23 00-0312	LF			W12 x 16 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	40.01 3.60 8.00 0.22 -11.34 4.80	16.56
05 12 23 00-0313	LF			W12 x 14 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	38.16 3.43 7.63 0.21 -10.71 4.58	16.56
05 12 23 00-0314	LF			W10 x 68 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	89.61 8.06 17.92 0.69 -28.33 10.75	19.02
05 12 23 00-0315	LF			W10 x 60 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	82.10 7.39 16.42 0.62 -25.76 9.85	18.65
05 12 23 00-0316	LF			W10 x 54 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	76.33 6.87 15.27 0.57 -23.78 9.16	18.29
05 12 23 00-0317	LF			W10 x 49 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	71.59 6.44 14.32 0.52 -22.16 8.59	18.11
05 12 23 00-0318	LF			W10 x 45 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	67.79 6.10 13.56 0.49 -20.86 8.13	18.01
05 12 23 00-0319	LF			W10 x 39 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	62.13 5.59 12.43 0.43 -18.92 7.46	17.65
05 12 23 00-0320	LF			W10 x 33 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	56.48 5.08 11.30 0.38 -16.98 6.78	17.37
05 12 23 00-0321	LF			W10 x 30 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	53.59 4.82 10.72 0.35 -15.99 6.43	17.29
05 12 23 00-0322	LF			W10 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	49.89 4.49 9.98 0.32 -14.72 5.99	17.19

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0323	LF		W10 x 22 A992/A36 Structural Beam Or Girder	45.98	16.92
			For High Strength Low Alloy A572-50 Steel, Add	4.14	
			For High Strength Low Alloy A588 Steel, Add	9.20	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-13.39	
			For Skewed Or Sloped Connections, Add	5.52	
05 12 23 00-0324	LF		W10 x 19 A992/A36 Structural Beam Or Girder	43.20	16.83
			For High Strength Low Alloy A572-50 Steel, Add	3.89	
			For High Strength Low Alloy A588 Steel, Add	8.64	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-12.43	
			For Skewed Or Sloped Connections, Add	5.18	
05 12 23 00-0325	LF		W10 x 17 A992/A36 Structural Beam Or Girder	41.24	16.74
			For High Strength Low Alloy A572-50 Steel, Add	3.71	
			For High Strength Low Alloy A588 Steel, Add	8.25	
			For Each Additional Top Copes >2, Add	0.23	
			For Structural Tees, WT, MT Or ST, Deduct	-11.76	
			For Skewed Or Sloped Connections, Add	4.95	
05 12 23 00-0326	LF		W10 x 15 A992/A36 Structural Beam Or Girder	39.39	16.56
			For High Strength Low Alloy A572-50 Steel, Add	3.55	
			For High Strength Low Alloy A588 Steel, Add	7.88	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-11.13	
			For Skewed Or Sloped Connections, Add	4.73	
05 12 23 00-0327	LF		W10 x 12 A992/A36 Structural Beam Or Girder	36.61	16.56
			For High Strength Low Alloy A572-50 Steel, Add	3.29	
			For High Strength Low Alloy A588 Steel, Add	7.32	
			For Each Additional Top Copes >2, Add	0.19	
			For Structural Tees, WT, MT Or ST, Deduct	-10.17	
			For Skewed Or Sloped Connections, Add	4.39	
05 12 23 00-0328	LF		W8 x 35 A992/A36 Structural Beam Or Girder	58.33	17.55
			For High Strength Low Alloy A572-50 Steel, Add	5.25	
			For High Strength Low Alloy A588 Steel, Add	11.67	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-17.62	
			For Skewed Or Sloped Connections, Add	7.00	
05 12 23 00-0329	LF		W8 x 31 A992/A36 Structural Beam Or Girder	54.52	17.29
			For High Strength Low Alloy A572-50 Steel, Add	4.91	
			For High Strength Low Alloy A588 Steel, Add	10.90	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-16.31	
			For Skewed Or Sloped Connections, Add	6.54	
05 12 23 00-0330	LF		W8 x 28 A992/A36 Structural Beam Or Girder	50.73	16.28
			For High Strength Low Alloy A572-50 Steel, Add	4.57	
			For High Strength Low Alloy A588 Steel, Add	10.15	
			For Each Additional Top Copes >2, Add	0.33	
			For Structural Tees, WT, MT Or ST, Deduct	-15.15	
			For Skewed Or Sloped Connections, Add	6.09	
05 12 23 00-0331	LF		W8 x 24 A992/A36 Structural Beam Or Girder	46.33	15.28
			For High Strength Low Alloy A572-50 Steel, Add	4.17	
			For High Strength Low Alloy A588 Steel, Add	9.27	
			For Each Additional Top Copes >2, Add	0.30	
			For Structural Tees, WT, MT Or ST, Deduct	-13.77	
			For Skewed Or Sloped Connections, Add	5.56	
05 12 23 00-0332	LF		W8 x 21 A992/A36 Structural Beam Or Girder	43.13	14.19
			For High Strength Low Alloy A572-50 Steel, Add	3.88	
			For High Strength Low Alloy A588 Steel, Add	8.63	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-12.82	
			For Skewed Or Sloped Connections, Add	5.18	
05 12 23 00-0333	LF		W8 x 18 A992/A36 Structural Beam Or Girder	37.88	13.19
			For High Strength Low Alloy A572-50 Steel, Add	3.41	
			For High Strength Low Alloy A588 Steel, Add	7.58	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-11.14	
			For Skewed Or Sloped Connections, Add	4.55	
05 12 23 00-0334	LF		W8 x 10 A992/A36 Structural Beam Or Girder	22.70	9.46
			For High Strength Low Alloy A572-50 Steel, Add	2.04	
			For High Strength Low Alloy A588 Steel, Add	4.54	
			For Each Additional Top Copes >2, Add	0.13	
			For Structural Tees, WT, MT Or ST, Deduct	-6.45	
			For Skewed Or Sloped Connections, Add	2.72	
05 12 23 00-0335	LF		W6 x 9 A992/A36 Structural Beam Or Girder	20.72	7.73
			For High Strength Low Alloy A572-50 Steel, Add	1.86	
			For High Strength Low Alloy A588 Steel, Add	4.14	
			For Each Additional Top Copes >2, Add	0.13	
			For Structural Tees, WT, MT Or ST, Deduct	-6.02	
			For Skewed Or Sloped Connections, Add	2.49	

05 12 23 00-0336 Angle Iron (05 12 23 00-0146)

05 12 23 00-0337 1/8" Thick (05 12 23 00-0336)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0338 LF 1/2" x 1/2" x 1/8" Angle Iron.....	2.00	1.31
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.27	
For >1,000, Deduct	-0.37	
For 316 Stainless Steel, Add	0.83	
For Aluminum, Add	0.05	
For Galvanized Steel, Add	0.16	
For 304 Stainless Steel, Add	0.74	
For High Strength Steel (HSS), Add	0.40	
05 12 23 00-0339 LF 3/4" x 1/2" x 1/8" Angle Iron.....	2.30	1.48
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.42	
For 316 Stainless Steel, Add	1.06	
For Aluminum, Add	0.06	
For Galvanized Steel, Add	0.20	
For 304 Stainless Steel, Add	0.94	
For High Strength Steel (HSS), Add	0.46	
05 12 23 00-0340 LF 3/4" x 3/4" x 1/8" Angle Iron.....	2.59	1.63
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.47	
For 316 Stainless Steel, Add	1.31	
For Aluminum, Add	0.07	
For Galvanized Steel, Add	0.25	
For 304 Stainless Steel, Add	1.17	
For High Strength Steel (HSS), Add	0.52	
05 12 23 00-0341 LF 1" x 3/4" x 1/8" Angle Iron.....	2.91	1.82
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.52	
For 316 Stainless Steel, Add	1.54	
For Aluminum, Add	0.09	
For Galvanized Steel, Add	0.30	
For 304 Stainless Steel, Add	1.37	
For High Strength Steel (HSS), Add	0.58	
05 12 23 00-0342 LF 1" x 1" x 1/8" Angle Iron.....	3.18	1.96
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.42	
For >1,000, Deduct	-0.57	
For 316 Stainless Steel, Add	1.79	
For Aluminum, Add	0.10	
For Galvanized Steel, Add	0.35	
For 304 Stainless Steel, Add	1.60	
For High Strength Steel (HSS), Add	0.64	
05 12 23 00-0343 LF 1-1/4" x 1-1/4" x 1/8" Angle Iron.....	3.78	2.32
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.67	
For 316 Stainless Steel, Add	2.24	
For Aluminum, Add	0.13	
For Galvanized Steel, Add	0.43	
For 304 Stainless Steel, Add	2.00	
For High Strength Steel (HSS), Add	0.76	
05 12 23 00-0344 LF 1-1/2" x 1" x 1/8" Angle Iron.....	3.78	2.32
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.67	
For 316 Stainless Steel, Add	2.24	
For Aluminum, Add	0.13	
For Galvanized Steel, Add	0.43	
For 304 Stainless Steel, Add	2.00	
For High Strength Steel (HSS), Add	0.76	
05 12 23 00-0345 LF 1-1/2" x 1-1/2" x 1/8" Angle Iron.....	4.53	2.77
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.80	
For 316 Stainless Steel, Add	2.72	
For Aluminum, Add	0.15	
For Galvanized Steel, Add	0.53	
For 304 Stainless Steel, Add	2.42	
For High Strength Steel (HSS), Add	0.91	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0346	LF		2" x 2" x 1/8" Angle Iron	6.16	3.76
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.53	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000, Deduct	-1.09	
			For 316 Stainless Steel, Add	3.68	
			For Aluminum, Add	0.21	
			For Galvanized Steel, Add	0.71	
			For 304 Stainless Steel, Add	3.28	
			For High Strength Steel (HSS), Add	1.23	
05 12 23 00-0347			3/16" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0348	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron	4.28	2.45
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.73	
			For 316 Stainless Steel, Add	3.30	
			For Aluminum, Add	0.19	
			For Galvanized Steel, Add	0.64	
			For 304 Stainless Steel, Add	2.94	
			For High Strength Steel (HSS), Add	0.86	
05 12 23 00-0349	LF		1-1/2" x 1" x 3/16" Angle Iron	4.28	2.45
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.73	
			For 316 Stainless Steel, Add	3.30	
			For Aluminum, Add	0.19	
			For Galvanized Steel, Add	0.64	
			For 304 Stainless Steel, Add	2.94	
			For High Strength Steel (HSS), Add	0.86	
05 12 23 00-0350	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron	4.74	2.62
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.38	
			For >500 To 1,000, Deduct	-0.59	
			For >1,000, Deduct	-0.79	
			For 316 Stainless Steel, Add	4.00	
			For Aluminum, Add	0.23	
			For Galvanized Steel, Add	0.78	
			For 304 Stainless Steel, Add	3.56	
			For High Strength Steel (HSS), Add	0.95	
05 12 23 00-0351	LF		2" x 2" x 3/16" Angle Iron	5.43	2.81
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.42	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000, Deduct	-0.87	
			For 316 Stainless Steel, Add	5.44	
			For Aluminum, Add	0.31	
			For Galvanized Steel, Add	1.05	
			For 304 Stainless Steel, Add	4.85	
			For High Strength Steel (HSS), Add	1.09	
05 12 23 00-0352	LF		2-1/2" x 2" x 3/16" Angle Iron	5.93	3.00
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.45	
			For >500 To 1,000, Deduct	-0.70	
			For >1,000, Deduct	-0.95	
			For 316 Stainless Steel, Add	6.14	
			For Aluminum, Add	0.35	
			For Galvanized Steel, Add	1.19	
			For 304 Stainless Steel, Add	5.47	
			For High Strength Steel (HSS), Add	1.19	
05 12 23 00-0353	LF		2-1/2" x 2-1/2" x 3/16" Angle Iron	6.44	3.22
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.48	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000, Deduct	-1.02	
			For 316 Stainless Steel, Add	6.88	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For 304 Stainless Steel, Add	6.13	
			For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0354	LF		3" x 2" x 3/16" Angle Iron	6.43	3.22
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.48	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000, Deduct	-1.02	
			For 316 Stainless Steel, Add	6.85	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For 304 Stainless Steel, Add	6.10	
			For High Strength Steel (HSS), Add	1.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0355	LF		3" x 2-1/2" x 3/16" Angle Iron.....	7.11	3.55
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.13	
			<i>For 316 Stainless Steel, Add</i>	7.58	
			<i>For Aluminum, Add</i>	0.43	
			<i>For Galvanized Steel, Add</i>	1.47	
			<i>For 304 Stainless Steel, Add</i>	6.75	
			<i>For High Strength Steel (HSS), Add</i>	1.42	
05 12 23 00-0356	LF		3" x 3" x 3/16" Angle Iron.....	7.77	3.89
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500 To 1,000, Deduct</i>	-0.91	
			<i>For >1,000, Deduct</i>	-1.23	
			<i>For 316 Stainless Steel, Add</i>	8.29	
			<i>For Aluminum, Add</i>	0.47	
			<i>For Galvanized Steel, Add</i>	1.61	
			<i>For 304 Stainless Steel, Add</i>	7.38	
			<i>For High Strength Steel (HSS), Add</i>	1.55	
05 12 23 00-0357			1/4" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0358	LF		1-1/2" x 1" x 1/4" Angle Iron.....	4.76	2.58
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500 To 1,000, Deduct</i>	-0.58	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For 316 Stainless Steel, Add</i>	4.22	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.82	
			<i>For 304 Stainless Steel, Add</i>	3.76	
			<i>For High Strength Steel (HSS), Add</i>	0.95	
05 12 23 00-0359	LF		1-1/2" x 1-1/2" x 1/4" Angle Iron.....	5.30	2.76
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000, Deduct</i>	-0.86	
			<i>For 316 Stainless Steel, Add</i>	5.18	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.06	
05 12 23 00-0360	LF		2" x 2" x 1/4" Angle Iron.....	6.15	2.94
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500 To 1,000, Deduct</i>	-0.70	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	7.10	
			<i>For Aluminum, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.38	
			<i>For 304 Stainless Steel, Add</i>	6.33	
			<i>For High Strength Steel (HSS), Add</i>	1.23	
05 12 23 00-0361	LF		2-1/2" x 2" x 1/4" Angle Iron.....	6.88	3.26
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.78	
			<i>For >1,000, Deduct</i>	-1.06	
			<i>For 316 Stainless Steel, Add</i>	8.10	
			<i>For Aluminum, Add</i>	0.46	
			<i>For Galvanized Steel, Add</i>	1.57	
			<i>For 304 Stainless Steel, Add</i>	7.21	
			<i>For High Strength Steel (HSS), Add</i>	1.38	
05 12 23 00-0362	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron.....	7.63	3.57
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.17	
			<i>For 316 Stainless Steel, Add</i>	9.15	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.77	
			<i>For 304 Stainless Steel, Add</i>	8.15	
			<i>For High Strength Steel (HSS), Add</i>	1.53	
05 12 23 00-0363	LF		3" x 2" x 1/4" Angle Iron.....	7.63	3.57
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.17	
			<i>For 316 Stainless Steel, Add</i>	9.15	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.77	
			<i>For 304 Stainless Steel, Add</i>	8.15	
			<i>For High Strength Steel (HSS), Add</i>	1.53	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF		3" x 2-1/2" x 1/4" Angle Iron	8.44	3.97
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.95	
			For >1,000, Deduct	-1.30	
			For 316 Stainless Steel, Add	10.05	
			For Aluminum, Add	0.57	
			For Galvanized Steel, Add	1.95	
			For 304 Stainless Steel, Add	8.95	
			For High Strength Steel (HSS), Add	1.69	
05 12 23 00-0365	LF		3" x 3" x 1/4" Angle Iron	9.23	4.36
			For >100 To 250, Deduct	-0.44	
			For >250 To 500, Deduct	-0.67	
			For >500 To 1,000, Deduct	-1.04	
			For >1,000, Deduct	-1.42	
			For 316 Stainless Steel, Add	10.91	
			For Aluminum, Add	0.61	
			For Galvanized Steel, Add	2.11	
			For 304 Stainless Steel, Add	9.72	
			For High Strength Steel (HSS), Add	1.85	
05 12 23 00-0366	LF		3-1/2" x 3" x 1/4" Angle Iron	10.01	4.69
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.72	
			For >500 To 1,000, Deduct	-1.13	
			For >1,000, Deduct	-1.53	
			For 316 Stainless Steel, Add	12.03	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.33	
			For 304 Stainless Steel, Add	10.72	
			For High Strength Steel (HSS), Add	2.00	
05 12 23 00-0367	LF		3-1/2" x 3-1/2" x 1/4" Angle Iron	10.58	0.49
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.75	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000, Deduct	-1.61	
			For 316 Stainless Steel, Add	12.96	
			For Aluminum, Add	0.73	
			For Galvanized Steel, Add	2.51	
			For 304 Stainless Steel, Add	11.54	
			For High Strength Steel (HSS), Add	2.12	
05 12 23 00-0368	LF		4" x 3" x 1/4" Angle Iron	10.58	4.89
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.75	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000, Deduct	-1.61	
			For 316 Stainless Steel, Add	12.96	
			For Aluminum, Add	0.73	
			For Galvanized Steel, Add	2.51	
			For 304 Stainless Steel, Add	11.54	
			For High Strength Steel (HSS), Add	2.12	
05 12 23 00-0369	LF		4" x 3-1/2" x 1/4" Angle Iron	11.13	5.10
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.79	
			For >500 To 1,000, Deduct	-1.24	
			For >1,000, Deduct	-1.69	
			For 316 Stainless Steel, Add	13.82	
			For Aluminum, Add	0.78	
			For Galvanized Steel, Add	2.68	
			For 304 Stainless Steel, Add	12.31	
			For High Strength Steel (HSS), Add	2.23	
05 12 23 00-0370	LF		4" x 4" x 1/4" Angle Iron	11.71	5.32
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.83	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000, Deduct	-1.77	
			For 316 Stainless Steel, Add	14.75	
			For Aluminum, Add	0.83	
			For Galvanized Steel, Add	2.86	
			For 304 Stainless Steel, Add	13.14	
			For High Strength Steel (HSS), Add	2.34	
05 12 23 00-0371	LF		5" x 3" x 1/4" Angle Iron	11.71	5.32
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.83	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000, Deduct	-1.77	
			For 316 Stainless Steel, Add	14.75	
			For Aluminum, Add	0.83	
			For Galvanized Steel, Add	2.86	
			For 304 Stainless Steel, Add	13.14	
			For High Strength Steel (HSS), Add	2.34	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0372 LF 5" x 3-1/2" x 1/4" Angle Iron.....	12.36	5.61
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.86	
For 316 Stainless Steel, Add	15.62	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	13.91	
For High Strength Steel (HSS), Add	2.47	
05 12 23 00-0373 5/16" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0374 LF 2-1/2" x 2" x 5/16" Angle Iron.....	8.19	3.79
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.91	
For >1,000, Deduct	-1.25	
For 316 Stainless Steel, Add	10.05	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.95	
For 304 Stainless Steel, Add	8.95	
For High Strength Steel (HSS), Add	1.64	
05 12 23 00-0375 LF 2-1/2" x 2-1/2" x 5/16" Angle Iron.....	8.85	4.02
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.33	
For 316 Stainless Steel, Add	11.17	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	9.95	
For High Strength Steel (HSS), Add	1.77	
05 12 23 00-0376 LF 3" x 2" x 5/16" Angle Iron.....	8.85	4.02
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.33	
For 316 Stainless Steel, Add	11.17	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	9.95	
For High Strength Steel (HSS), Add	1.77	
05 12 23 00-0377 LF 3" x 2-1/2" x 5/16" Angle Iron.....	9.79	4.41
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.69	
For >500 To 1,000, Deduct	-1.08	
For >1,000, Deduct	-1.47	
For 316 Stainless Steel, Add	12.51	
For Aluminum, Add	0.70	
For Galvanized Steel, Add	2.42	
For 304 Stainless Steel, Add	11.14	
For High Strength Steel (HSS), Add	1.96	
05 12 23 00-0378 LF 3" x 3" x 5/16" Angle Iron.....	10.64	4.79
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.17	
For >1,000, Deduct	-1.60	
For 316 Stainless Steel, Add	13.63	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	12.14	
For High Strength Steel (HSS), Add	2.13	
05 12 23 00-0379 LF 3-1/2" x 3" x 5/16" Angle Iron.....	11.31	5.03
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.24	
For >1,000, Deduct	-1.69	
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
For High Strength Steel (HSS), Add	2.26	
05 12 23 00-0380 LF 3-1/2" x 3-1/2" x 5/16" Angle Iron.....	12.06	5.28
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-1.78	
For 316 Stainless Steel, Add	16.06	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.11	
For 304 Stainless Steel, Add	14.31	
For High Strength Steel (HSS), Add	2.41	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0381	LF		4" x 3" x 5/16" Angle Iron	12.06	5.28
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.83	
			For >500 To 1,000, Deduct	-1.31	
			For >1,000, Deduct	-1.78	
			For 316 Stainless Steel, Add	16.06	
			For Aluminum, Add	0.90	
			For Galvanized Steel, Add	3.11	
			For 304 Stainless Steel, Add	14.31	
			For High Strength Steel (HSS), Add	2.41	
05 12 23 00-0382	LF		4" x 3-1/2" x 5/16" Angle Iron	12.80	5.59
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.38	
			For >1,000, Deduct	-1.89	
			For 316 Stainless Steel, Add	17.15	
			For Aluminum, Add	0.96	
			For Galvanized Steel, Add	3.32	
			For 304 Stainless Steel, Add	15.28	
			For High Strength Steel (HSS), Add	2.56	
05 12 23 00-0383	LF		4" x 4" x 5/16" Angle Iron	13.50	5.83
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.45	
			For >1,000, Deduct	-1.98	
			For 316 Stainless Steel, Add	18.34	
			For Aluminum, Add	1.03	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	16.33	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0384	LF		5" x 3" x 5/16" Angle Iron	13.50	5.83
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.45	
			For >1,000, Deduct	-1.98	
			For 316 Stainless Steel, Add	18.34	
			For Aluminum, Add	1.03	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	16.33	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0385	LF		5" x 3-1/2" x 5/16" Angle Iron	14.15	6.07
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.52	
			For >1,000, Deduct	-2.07	
			For 316 Stainless Steel, Add	19.39	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.76	
			For 304 Stainless Steel, Add	17.27	
			For High Strength Steel (HSS), Add	2.83	
05 12 23 00-0386	LF		5" x 5" x 5/16" Angle Iron	15.63	6.33
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.02	
			For >500 To 1,000, Deduct	-1.63	
			For >1,000, Deduct	-2.23	
			For 316 Stainless Steel, Add	23.01	
			For Aluminum, Add	1.29	
			For Galvanized Steel, Add	4.46	
			For 304 Stainless Steel, Add	20.49	
			For High Strength Steel (HSS), Add	3.13	
05 12 23 00-0387	LF		6" x 3-1/2" x 5/16" Angle Iron	15.10	6.20
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-1.00	
			For >500 To 1,000, Deduct	-1.58	
			For >1,000, Deduct	-2.17	
			For 316 Stainless Steel, Add	21.86	
			For Aluminum, Add	1.23	
			For Galvanized Steel, Add	4.23	
			For 304 Stainless Steel, Add	19.47	
			For High Strength Steel (HSS), Add	3.02	
05 12 23 00-0388			3/8" Thick (05 12 23 00-0336)		
05 12 23 00-0389	LF		3" x 2" x 3/8" Angle Iron	9.72	4.21
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-1.05	
			For >1,000, Deduct	-1.43	
			For 316 Stainless Steel, Add	13.15	
			For Aluminum, Add	0.74	
			For Galvanized Steel, Add	2.55	
			For 304 Stainless Steel, Add	11.71	
			For High Strength Steel (HSS), Add	1.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0390	LF		3" x 2-1/2" x 3/8" Angle Iron.....	10.68	4.55
				<i>For >100 To 250, Deduct</i>	-0.46	
				<i>For >250 To 500, Deduct</i>	-0.72	
				<i>For >500 To 1,000, Deduct</i>	-1.14	
				<i>For >1,000, Deduct</i>	-1.56	
				<i>For 316 Stainless Steel, Add</i>	14.75	
				<i>For Aluminum, Add</i>	0.83	
				<i>For Galvanized Steel, Add</i>	2.86	
				<i>For 304 Stainless Steel, Add</i>	13.14	
				<i>For High Strength Steel (HSS), Add</i>	2.14	
	05 12 23 00-0391	LF		3" x 3" x 3/8" Angle Iron.....	11.56	4.90
				<i>For >100 To 250, Deduct</i>	-0.49	
				<i>For >250 To 500, Deduct</i>	-0.78	
				<i>For >500 To 1,000, Deduct</i>	-1.23	
				<i>For >1,000, Deduct</i>	-1.68	
				<i>For 316 Stainless Steel, Add</i>	16.06	
				<i>For Aluminum, Add</i>	0.90	
				<i>For Galvanized Steel, Add</i>	3.11	
				<i>For 304 Stainless Steel, Add</i>	14.31	
				<i>For High Strength Steel (HSS), Add</i>	2.31	
	05 12 23 00-0392	LF		3-1/2" x 3" x 3/8" Angle Iron.....	12.24	5.04
				<i>For >100 To 250, Deduct</i>	-0.50	
				<i>For >250 To 500, Deduct</i>	-0.81	
				<i>For >500 To 1,000, Deduct</i>	-1.28	
				<i>For >1,000, Deduct</i>	-1.76	
				<i>For 316 Stainless Steel, Add</i>	17.66	
				<i>For Aluminum, Add</i>	0.99	
				<i>For Galvanized Steel, Add</i>	3.42	
				<i>For 304 Stainless Steel, Add</i>	15.73	
				<i>For High Strength Steel (HSS), Add</i>	2.45	
	05 12 23 00-0393	LF		3-1/2" x 3-1/2" x 3/8" Angle Iron.....	13.01	5.32
				<i>For >100 To 250, Deduct</i>	-0.53	
				<i>For >250 To 500, Deduct</i>	-0.86	
				<i>For >500 To 1,000, Deduct</i>	-1.36	
				<i>For >1,000, Deduct</i>	-1.86	
				<i>For 316 Stainless Steel, Add</i>	18.94	
				<i>For Aluminum, Add</i>	1.07	
				<i>For Galvanized Steel, Add</i>	3.67	
				<i>For 304 Stainless Steel, Add</i>	16.87	
				<i>For High Strength Steel (HSS), Add</i>	2.60	
	05 12 23 00-0394	LF		4" x 3" x 3/8" Angle Iron.....	13.01	5.32
				<i>For >100 To 250, Deduct</i>	-0.53	
				<i>For >250 To 500, Deduct</i>	-0.86	
				<i>For >500 To 1,000, Deduct</i>	-1.36	
				<i>For >1,000, Deduct</i>	-1.86	
				<i>For 316 Stainless Steel, Add</i>	18.94	
				<i>For Aluminum, Add</i>	1.07	
				<i>For Galvanized Steel, Add</i>	3.67	
				<i>For 304 Stainless Steel, Add</i>	16.87	
				<i>For High Strength Steel (HSS), Add</i>	2.60	
	05 12 23 00-0395	LF		4" x 3-1/2" x 3/8" Angle Iron.....	14.06	5.79
				<i>For >100 To 250, Deduct</i>	-0.58	
				<i>For >250 To 500, Deduct</i>	-0.93	
				<i>For >500 To 1,000, Deduct</i>	-1.48	
				<i>For >1,000, Deduct</i>	-2.02	
				<i>For 316 Stainless Steel, Add</i>	20.29	
				<i>For Aluminum, Add</i>	1.14	
				<i>For Galvanized Steel, Add</i>	3.93	
				<i>For 304 Stainless Steel, Add</i>	18.07	
				<i>For High Strength Steel (HSS), Add</i>	2.81	
	05 12 23 00-0396	LF		4" x 4" x 3/8" Angle Iron.....	14.78	5.96
				<i>For >100 To 250, Deduct</i>	-0.60	
				<i>For >250 To 500, Deduct</i>	-0.97	
				<i>For >500 To 1,000, Deduct</i>	-1.53	
				<i>For >1,000, Deduct</i>	-2.10	
				<i>For 316 Stainless Steel, Add</i>	21.86	
				<i>For Aluminum, Add</i>	1.23	
				<i>For Galvanized Steel, Add</i>	4.23	
				<i>For 304 Stainless Steel, Add</i>	19.47	
				<i>For High Strength Steel (HSS), Add</i>	2.96	
	05 12 23 00-0397	LF		5" x 3" x 3/8" Angle Iron.....	15.10	6.20
				<i>For >100 To 250, Deduct</i>	-0.62	
				<i>For >250 To 500, Deduct</i>	-1.00	
				<i>For >500 To 1,000, Deduct</i>	-1.58	
				<i>For >1,000, Deduct</i>	-2.17	
				<i>For 316 Stainless Steel, Add</i>	21.86	
				<i>For Aluminum, Add</i>	1.23	
				<i>For Galvanized Steel, Add</i>	4.23	
				<i>For 304 Stainless Steel, Add</i>	19.47	
				<i>For High Strength Steel (HSS), Add</i>	3.02	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0398	LF		5" x 3-1/2" x 3/8" Angle Iron	16.16	6.68
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.07	
			For >500 To 1,000, Deduct	-1.70	
			For >1,000, Deduct	-2.33	
			For 316 Stainless Steel, Add	23.20	
			For Aluminum, Add	1.31	
			For Galvanized Steel, Add	4.50	
			For 304 Stainless Steel, Add	20.66	
			For High Strength Steel (HSS), Add	3.23	
05 12 23 00-0399	LF		5" x 5" x 3/8" Angle Iron	18.97	7.78
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.25	
			For >500 To 1,000, Deduct	-1.99	
			For >1,000, Deduct	-2.72	
			For 316 Stainless Steel, Add	27.49	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.33	
			For 304 Stainless Steel, Add	24.48	
			For High Strength Steel (HSS), Add	3.79	
05 12 23 00-0400	LF		6" x 3-1/2" x 3/8" Angle Iron	17.80	7.24
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-1.17	
			For >500 To 1,000, Deduct	-1.86	
			For >1,000, Deduct	-2.54	
			For 316 Stainless Steel, Add	26.08	
			For Aluminum, Add	1.47	
			For Galvanized Steel, Add	5.05	
			For 304 Stainless Steel, Add	23.23	
			For High Strength Steel (HSS), Add	3.56	
05 12 23 00-0401	LF		6" x 4" x 3/8" Angle Iron	18.97	7.78
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.25	
			For >500 To 1,000, Deduct	-1.99	
			For >1,000, Deduct	-2.72	
			For 316 Stainless Steel, Add	27.49	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.33	
			For 304 Stainless Steel, Add	24.48	
			For High Strength Steel (HSS), Add	3.79	
05 12 23 00-0402			1/2" Thick (05 12 23 00-0336)		
05 12 23 00-0403	LF		4" x 3" x 1/2" Angle Iron	15.64	5.92
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.57	
			For >1,000, Deduct	-2.16	
			For 316 Stainless Steel, Add	24.80	
			For Aluminum, Add	1.40	
			For Galvanized Steel, Add	4.81	
			For 304 Stainless Steel, Add	22.09	
			For High Strength Steel (HSS), Add	3.13	
05 12 23 00-0404	LF		4" x 3-1/2" x 1/2" Angle Iron	16.77	6.34
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-1.68	
			For >1,000, Deduct	-2.32	
			For 316 Stainless Steel, Add	26.59	
			For Aluminum, Add	1.50	
			For Galvanized Steel, Add	5.15	
			For 304 Stainless Steel, Add	23.68	
			For High Strength Steel (HSS), Add	3.35	
05 12 23 00-0405	LF		4" x 4" x 1/2" Angle Iron	18.04	6.83
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.13	
			For >500 To 1,000, Deduct	-1.81	
			For >1,000, Deduct	-2.49	
			For 316 Stainless Steel, Add	28.61	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.54	
			For 304 Stainless Steel, Add	25.48	
			For High Strength Steel (HSS), Add	3.61	
05 12 23 00-0406	LF		5" x 3" x 1/2" Angle Iron	18.04	6.83
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.13	
			For >500 To 1,000, Deduct	-1.81	
			For >1,000, Deduct	-2.49	
			For 316 Stainless Steel, Add	28.61	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.54	
			For 304 Stainless Steel, Add	25.48	
			For High Strength Steel (HSS), Add	3.61	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0407 LF 5" x 3-1/2" x 1/2" Angle Iron.....	19.16	7.25
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-2.64	
For 316 Stainless Steel, Add	30.40	
For Aluminum, Add	1.71	
For Galvanized Steel, Add	5.89	
For 304 Stainless Steel, Add	27.08	
For High Strength Steel (HSS), Add	3.83	
05 12 23 00-0408 LF 5" x 5" x 1/2" Angle Iron.....	22.84	8.64
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.44	
For >500 To 1,000, Deduct	-2.29	
For >1,000, Deduct	-3.15	
For 316 Stainless Steel, Add	36.22	
For Aluminum, Add	2.04	
For Galvanized Steel, Add	7.02	
For 304 Stainless Steel, Add	32.26	
For High Strength Steel (HSS), Add	4.57	
05 12 23 00-0409 LF 6" x 4" x 1/2" Angle Iron.....	22.84	8.64
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.44	
For >500 To 1,000, Deduct	-2.29	
For >1,000, Deduct	-3.15	
For 316 Stainless Steel, Add	36.22	
For Aluminum, Add	2.04	
For Galvanized Steel, Add	7.02	
For 304 Stainless Steel, Add	32.26	
For High Strength Steel (HSS), Add	4.57	
05 12 23 00-0410 Flat Steel Bar (05 12 23 00-0146)		
05 12 23 00-0411 1/8" Thick (05 12 23 00-0410)		
05 12 23 00-0412 LF 1/8" Thick x 1" Wide Flat Steel Bar.....	2.42	1.17
For 316 Stainless Steel, Add	2.18	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.42	
For 304 Stainless Steel, Add	1.94	
05 12 23 00-0413 LF 1/8" Thick x 2" Wide Flat Steel Bar.....	3.76	1.74
For 316 Stainless Steel, Add	3.65	
For Aluminum, Add	0.21	
For Galvanized Steel, Add	0.71	
For 304 Stainless Steel, Add	3.25	
05 12 23 00-0414 LF 1/8" Thick x 4" Wide Flat Steel Bar.....	5.76	2.46
For 316 Stainless Steel, Add	6.66	
For Aluminum, Add	0.37	
For Galvanized Steel, Add	1.29	
For 304 Stainless Steel, Add	5.93	
05 12 23 00-0415 LF 1/8" Thick x 6" Wide Flat Steel Bar.....	7.81	3.34
For 316 Stainless Steel, Add	8.96	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	7.98	
05 12 23 00-0416 3/16" Thick (05 12 23 00-0410)		
05 12 23 00-0417 LF 3/16" Thick x 1" Wide Flat Steel Bar.....	3.20	1.45
For 316 Stainless Steel, Add	3.33	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.96	
05 12 23 00-0418 LF 3/16" Thick x 2" Wide Flat Steel Bar.....	5.05	2.16
For 316 Stainless Steel, Add	5.76	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.12	
For 304 Stainless Steel, Add	5.13	
05 12 23 00-0419 LF 3/16" Thick x 4" Wide Flat Steel Bar.....	6.77	2.50
For 316 Stainless Steel, Add	9.73	
For Aluminum, Add	0.55	
For Galvanized Steel, Add	1.88	
For 304 Stainless Steel, Add	8.66	
05 12 23 00-0420 LF 3/16" Thick x 6" Wide Flat Steel Bar.....	9.39	3.45
For 316 Stainless Steel, Add	13.47	
For Aluminum, Add	0.76	
For Galvanized Steel, Add	2.61	
For 304 Stainless Steel, Add	12.00	
05 12 23 00-0421 1/4" Thick (05 12 23 00-0410)		
05 12 23 00-0422 LF 1/4" Thick x 1" Wide Flat Steel Bar.....	3.33	1.53
For 316 Stainless Steel, Add	3.30	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.94	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0423	LF		1/4" Thick x 2" Wide Flat Steel Bar	5.53	2.30
			<i>For 316 Stainless Steel, Add</i>	6.69	
			<i>For Aluminum, Add</i>	0.38	
			<i>For Galvanized Steel, Add</i>	1.30	
			<i>For 304 Stainless Steel, Add</i>	5.96	
05 12 23 00-0424	LF		1/4" Thick x 4" Wide Flat Steel Bar	7.97	2.62
			<i>For 316 Stainless Steel, Add</i>	12.93	
			<i>For Aluminum, Add</i>	0.73	
			<i>For Galvanized Steel, Add</i>	2.50	
			<i>For 304 Stainless Steel, Add</i>	11.51	
05 12 23 00-0425	LF		1/4" Thick x 6" Wide Flat Steel Bar	11.55	3.87
			<i>For 316 Stainless Steel, Add</i>	18.34	
			<i>For Aluminum, Add</i>	1.03	
			<i>For Galvanized Steel, Add</i>	3.55	
			<i>For 304 Stainless Steel, Add</i>	16.33	
05 12 23 00-0426			3/8" Thick <small>(05 12 23 00-0410)</small>		
05 12 23 00-0427	LF		3/8" Thick x 1" Wide Flat Steel Bar	4.21	1.72
			<i>For 316 Stainless Steel, Add</i>	5.18	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
05 12 23 00-0428	LF		3/8" Thick x 2" Wide Flat Steel Bar	6.86	2.58
			<i>For 316 Stainless Steel, Add</i>	9.57	
			<i>For Aluminum, Add</i>	0.54	
			<i>For Galvanized Steel, Add</i>	1.85	
			<i>For 304 Stainless Steel, Add</i>	8.52	
05 12 23 00-0429	LF		3/8" Thick x 4" Wide Flat Steel Bar	10.40	2.94
			<i>For 316 Stainless Steel, Add</i>	19.14	
			<i>For Aluminum, Add</i>	1.08	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For 304 Stainless Steel, Add</i>	17.04	
05 12 23 00-0430	LF		3/8" Thick x 6" Wide Flat Steel Bar	14.95	4.35
			<i>For 316 Stainless Steel, Add</i>	26.91	
			<i>For Aluminum, Add</i>	1.51	
			<i>For Galvanized Steel, Add</i>	5.21	
			<i>For 304 Stainless Steel, Add</i>	23.97	
05 12 23 00-0431			1/2" Thick <small>(05 12 23 00-0410)</small>		
05 12 23 00-0432	LF		1/2" Thick x 1" Wide Flat Steel Bar	4.92	1.88
			<i>For 316 Stainless Steel, Add</i>	6.66	
			<i>For Aluminum, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.29	
			<i>For 304 Stainless Steel, Add</i>	5.93	
05 12 23 00-0433	LF		1/2" Thick x 2" Wide Flat Steel Bar	8.08	2.84
			<i>For 316 Stainless Steel, Add</i>	12.22	
			<i>For Aluminum, Add</i>	0.69	
			<i>For Galvanized Steel, Add</i>	2.37	
			<i>For 304 Stainless Steel, Add</i>	10.89	
05 12 23 00-0434	LF		1/2" Thick x 4" Wide Flat Steel Bar	11.36	3.23
			<i>For 316 Stainless Steel, Add</i>	20.80	
			<i>For Aluminum, Add</i>	1.17	
			<i>For Galvanized Steel, Add</i>	4.03	
			<i>For 304 Stainless Steel, Add</i>	18.53	
05 12 23 00-0435	LF		1/2" Thick x 6" Wide Flat Steel Bar	20.16	4.79
			<i>For 316 Stainless Steel, Add</i>	41.50	
			<i>For Aluminum, Add</i>	2.33	
			<i>For Galvanized Steel, Add</i>	8.04	
			<i>For 304 Stainless Steel, Add</i>	36.96	
05 12 23 00-0436			Flat Steel Plate <small>(05 12 23 00-0146)</small>		
05 12 23 00-0437	SF		1/8" Thick Flat Steel Plate	12.41	5.01
			<i>For 316 Stainless Steel, Add</i>	15.65	
			<i>For Aluminum, Add</i>	0.88	
			<i>For Galvanized Steel, Add</i>	3.03	
			<i>For 304 Stainless Steel, Add</i>	13.94	
05 12 23 00-0438	SF		3/16" Thick Flat Steel Plate	13.90	5.18
			<i>For 316 Stainless Steel, Add</i>	19.58	
			<i>For Aluminum, Add</i>	1.10	
			<i>For Galvanized Steel, Add</i>	3.79	
			<i>For 304 Stainless Steel, Add</i>	17.44	
05 12 23 00-0439	SF		1/4" Thick Flat Steel Plate	16.53	5.81
			<i>For 316 Stainless Steel, Add</i>	24.99	
			<i>For Aluminum, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.84	
			<i>For 304 Stainless Steel, Add</i>	22.26	
05 12 23 00-0440	SF		3/8" Thick Flat Steel Plate	22.06	6.53
			<i>For 316 Stainless Steel, Add</i>	39.20	
			<i>For Aluminum, Add</i>	2.21	
			<i>For Galvanized Steel, Add</i>	7.60	
			<i>For 304 Stainless Steel, Add</i>	34.91	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0441	SF		1/2" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	26.05 48.83 2.75 9.46 43.49	7.19
	05 12 23 00-0442	SF		3/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	42.12 91.62 5.15 17.75 81.60	8.90
	05 12 23 00-0443	SF		1" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	56.06 125.44 7.06 24.30 111.72	11.12
05 12 23 00-0444				Bar Channel <small>(05 12 23 00-0146)</small>		
	05 12 23 00-0445	LF		1" x 1/2" x 1/8" Thick Bar Channel..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	3.38 2.43 0.14 0.47 2.17	
	05 12 23 00-0446	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	3.76 2.91 0.16 0.56 2.59	
	05 12 23 00-0447	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	4.09 3.23 0.18 0.63 2.88	
	05 12 23 00-0448	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	4.73 3.36 0.19 0.65 2.99	
	05 12 23 00-0449	LF		2" x 1/2" x 1/8" Thick Bar Channel..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	4.97 4.13 0.23 0.80 3.68	
	05 12 23 00-0450	LF		2" x 1" x 1/8" Thick Bar Channel..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	6.71 4.61 0.26 0.89 4.10	
05 12 23 00-0451				Channels <small>(05 12 23 00-0146)</small>		
	05 12 23 00-0452	LF		C2 x 1.78 - 2" Wide Channel <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	5.55 -0.32 -0.46 -0.71 -0.96 3.90 0.22 0.76 3.48	3.25
	05 12 23 00-0453	LF		C3 x 4.1 - 3" Wide Channel <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	7.95 -0.47 -0.67 -1.02 -1.38 5.50 0.31 1.07 4.90	4.67
	05 12 23 00-0454	LF		C4 x 5.4 - 4" Wide Channel <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	9.77 -0.56 -0.81 -1.24 -1.67 7.33 0.41 1.42 6.53	5.61

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0455	LF		C5 x 6.7 - 5" Wide Channel.....	11.62	6.53
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-1.96	
			<i>For 316 Stainless Steel, Add</i>	9.28	
			<i>For Aluminum, Add</i>	0.52	
			<i>For Galvanized Steel, Add</i>	1.80	
			<i>For 304 Stainless Steel, Add</i>	8.27	
05 12 23 00-0456	LF		C6 x 8.2 - 6" Wide Channel.....	12.94	7.04
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000, Deduct</i>	-2.14	
			<i>For 316 Stainless Steel, Add</i>	11.36	
			<i>For Aluminum, Add</i>	0.64	
			<i>For Galvanized Steel, Add</i>	2.20	
			<i>For 304 Stainless Steel, Add</i>	10.12	
05 12 23 00-0457	LF		C7 x 9.8 - 7" Wide Channel.....	17.26	9.34
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500 To 1,000, Deduct</i>	-2.11	
			<i>For >1,000, Deduct</i>	-2.85	
			<i>For 316 Stainless Steel, Add</i>	15.36	
			<i>For Aluminum, Add</i>	0.86	
			<i>For Galvanized Steel, Add</i>	2.98	
			<i>For 304 Stainless Steel, Add</i>	13.68	
05 12 23 00-0458	LF		C8 x 11.5 - 8" Wide Channel.....	19.33	10.28
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-2.34	
			<i>For >1,000, Deduct</i>	-3.16	
			<i>For 316 Stainless Steel, Add</i>	17.98	
			<i>For Aluminum, Add</i>	1.01	
			<i>For Galvanized Steel, Add</i>	3.48	
			<i>For 304 Stainless Steel, Add</i>	16.02	
05 12 23 00-0459			Structural Bar Tees (05 12 23 00-0146)		
05 12 23 00-0460	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	4.14	2.38
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.52	
			<i>For >1,000, Deduct</i>	-0.71	
			<i>For 316 Stainless Steel, Add</i>	3.10	
			<i>For Aluminum, Add</i>	0.17	
			<i>For Galvanized Steel, Add</i>	0.60	
			<i>For 304 Stainless Steel, Add</i>	2.76	
05 12 23 00-0461	LF		1" x 1" x 1/8" Structural Bar Tee	4.87	2.80
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.62	
			<i>For >1,000, Deduct</i>	-0.83	
			<i>For 316 Stainless Steel, Add</i>	3.65	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.71	
			<i>For 304 Stainless Steel, Add</i>	3.25	
05 12 23 00-0462	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	8.72	3.24
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.87	
			<i>For >1,000, Deduct</i>	-1.19	
			<i>For 316 Stainless Steel, Add</i>	14.08	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For 304 Stainless Steel, Add</i>	12.54	
05 12 23 00-0463	LF		2" x 2" x 1/4" Structural Bar Tee	11.38	4.24
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.13	
			<i>For >1,000, Deduct</i>	-1.56	
			<i>For 316 Stainless Steel, Add</i>	18.34	
			<i>For Aluminum, Add</i>	1.03	
			<i>For Galvanized Steel, Add</i>	3.55	
			<i>For 304 Stainless Steel, Add</i>	16.33	
05 12 23 00-0464	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	17.02	5.10
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.13	
			<i>For 316 Stainless Steel, Add</i>	32.64	
			<i>For Aluminum, Add</i>	1.84	
			<i>For Galvanized Steel, Add</i>	6.32	
			<i>For 304 Stainless Steel, Add</i>	29.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0465	LF		3" x 3" x 3/8" Structural Bar Tee	21.15	6.54
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.68	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0466			Structural Zees (05 12 23 00-0146)		
05 12 23 00-0467	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee	8.76	3.24
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.87	
			<i>For >1,000, Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	14.21	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.75	
			<i>For 304 Stainless Steel, Add</i>	12.65	
05 12 23 00-0468	LF		2-11/16" x 3" x 2-11/16" Structural Zee.....	12.91	3.87
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.61	
			<i>For 316 Stainless Steel, Add</i>	24.86	
			<i>For Aluminum, Add</i>	1.40	
			<i>For Galvanized Steel, Add</i>	4.82	
			<i>For 304 Stainless Steel, Add</i>	22.14	
05 12 23 00-0469	LF		3-1/16" x 4" x 3-1/16" Structural Zee.....	18.84	4.36
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500 To 1,000, Deduct</i>	-1.52	
			<i>For >1,000, Deduct</i>	-2.14	
			<i>For 316 Stainless Steel, Add</i>	41.70	
			<i>For Aluminum, Add</i>	2.35	
			<i>For Galvanized Steel, Add</i>	8.08	
			<i>For 304 Stainless Steel, Add</i>	37.14	
05 12 23 00-0470	LF		3-1/4" x 5" x 3-1/4" Structural Zee.....	25.08	4.98
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.71	
			<i>For 316 Stainless Steel, Add</i>	59.01	
			<i>For Aluminum, Add</i>	3.32	
			<i>For Galvanized Steel, Add</i>	11.43	
			<i>For 304 Stainless Steel, Add</i>	52.55	
05 12 23 00-0471	LF		3-1/2" x 6" x 3-1/2" Structural Zee.....	32.12	5.42
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.33	
			<i>For >1,000, Deduct</i>	-3.31	
			<i>For 316 Stainless Steel, Add</i>	79.65	
			<i>For Aluminum, Add</i>	4.48	
			<i>For Galvanized Steel, Add</i>	15.43	
			<i>For 304 Stainless Steel, Add</i>	70.94	
05 12 23 00-0472			Junior I-Beams (05 12 23 00-0146)		
05 12 23 00-0473	LF		3" Junior I-Beam, 5.7 LB/LF.....	9.56	4.67
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.10	
			<i>For >1,000, Deduct</i>	-1.50	
			<i>For 316 Stainless Steel, Add</i>	10.66	
			<i>For Aluminum, Add</i>	0.60	
			<i>For Galvanized Steel, Add</i>	2.06	
			<i>For 304 Stainless Steel, Add</i>	9.49	
05 12 23 00-0474	LF		4" Junior I-Beam, 7.7 LB/LF.....	11.48	5.10
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.26	
			<i>For >1,000, Deduct</i>	-1.71	
			<i>For 316 Stainless Steel, Add</i>	14.91	
			<i>For Aluminum, Add</i>	0.84	
			<i>For Galvanized Steel, Add</i>	2.89	
			<i>For 304 Stainless Steel, Add</i>	13.28	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0475	LF		5" Junior I-Beam, 10 LB/LF.....	14.09	5.61
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-1.99	
			<i>For 316 Stainless Steel, Add</i>	21.18	
			<i>For Aluminum, Add</i>	1.19	
			<i>For Galvanized Steel, Add</i>	4.10	
			<i>For 304 Stainless Steel, Add</i>	18.87	
05 12 23 00-0476	LF		6" Junior I-Beam, 12.5 LB/LF.....	15.59	6.10
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000, Deduct</i>	-2.19	
			<i>For 316 Stainless Steel, Add</i>	23.84	
			<i>For Aluminum, Add</i>	1.34	
			<i>For Galvanized Steel, Add</i>	4.62	
			<i>For 304 Stainless Steel, Add</i>	21.23	
05 12 23 00-0477	LF		7" Junior I-Beam, 15.3 LB/LF.....	20.07	6.54
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500 To 1,000, Deduct</i>	-1.88	
			<i>For >1,000, Deduct</i>	-2.60	
			<i>For 316 Stainless Steel, Add</i>	36.32	
			<i>For Aluminum, Add</i>	2.04	
			<i>For Galvanized Steel, Add</i>	7.04	
			<i>For 304 Stainless Steel, Add</i>	32.35	
05 12 23 00-0478	LF		8" Junior I-Beam, 18.4 LB/LF.....	21.87	6.98
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.02	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For 316 Stainless Steel, Add</i>	40.22	
			<i>For Aluminum, Add</i>	2.26	
			<i>For Galvanized Steel, Add</i>	7.79	
			<i>For 304 Stainless Steel, Add</i>	35.82	
05 12 23 00-0479			Round Stock <small>(05 12 23 00-0146)</small>		
05 12 23 00-0480	LF		1/4" Carbon Steel Rounds, ASTM A108.....	1.51	
			<i>For 316 Stainless Steel, Add</i>	2.14	
			<i>For Aluminum, Add</i>	0.12	
			<i>For Galvanized Steel, Add</i>	0.42	
			<i>For 304 Stainless Steel, Add</i>	1.91	
05 12 23 00-0481	LF		3/8" Carbon Steel Rounds, ASTM A108.....	2.27	
			<i>For 316 Stainless Steel, Add</i>	4.22	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.82	
			<i>For 304 Stainless Steel, Add</i>	3.76	
05 12 23 00-0482	LF		1/2" Carbon Steel Rounds, ASTM A108.....	3.05	
			<i>For 316 Stainless Steel, Add</i>	6.43	
			<i>For Aluminum, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.25	
			<i>For 304 Stainless Steel, Add</i>	5.73	
05 12 23 00-0483	LF		5/8" Carbon Steel Rounds, ASTM A108.....	4.51	
			<i>For 316 Stainless Steel, Add</i>	10.72	
			<i>For Aluminum, Add</i>	0.60	
			<i>For Galvanized Steel, Add</i>	2.08	
			<i>For 304 Stainless Steel, Add</i>	9.55	
05 12 23 00-0484	LF		3/4" Carbon Steel Rounds, ASTM A108.....	5.37	
			<i>For 316 Stainless Steel, Add</i>	12.74	
			<i>For Aluminum, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.47	
			<i>For 304 Stainless Steel, Add</i>	11.34	
05 12 23 00-0485	LF		7/8" Carbon Steel Rounds, ASTM A108.....	6.24	
			<i>For 316 Stainless Steel, Add</i>	14.85	
			<i>For Aluminum, Add</i>	0.84	
			<i>For Galvanized Steel, Add</i>	2.88	
			<i>For 304 Stainless Steel, Add</i>	13.22	
05 12 23 00-0486	LF		1" Carbon Steel Rounds, ASTM A108.....	8.97	
			<i>For 316 Stainless Steel, Add</i>	22.66	
			<i>For Aluminum, Add</i>	1.27	
			<i>For Galvanized Steel, Add</i>	4.39	
			<i>For 304 Stainless Steel, Add</i>	20.18	
05 12 23 00-0487	LF		1-1/8" Carbon Steel Rounds, ASTM A108.....	10.91	
			<i>For 316 Stainless Steel, Add</i>	27.52	
			<i>For Aluminum, Add</i>	1.55	
			<i>For Galvanized Steel, Add</i>	5.33	
			<i>For 304 Stainless Steel, Add</i>	24.51	
05 12 23 00-0488	LF		1-1/4" Carbon Steel Rounds, ASTM A108.....	13.09	
			<i>For 316 Stainless Steel, Add</i>	32.38	
			<i>For Aluminum, Add</i>	1.82	
			<i>For Galvanized Steel, Add</i>	6.27	
			<i>For 304 Stainless Steel, Add</i>	28.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0489 LF 1-3/8" Carbon Steel Rounds, ASTM A108.....	15.81	
<i>For 316 Stainless Steel, Add</i>	39.52	
<i>For Aluminum, Add</i>	2.22	
<i>For Galvanized Steel, Add</i>	7.66	
<i>For 304 Stainless Steel, Add</i>	35.20	
05 12 23 00-0490 LF 1-1/2" Carbon Steel Rounds, ASTM A108.....	17.71	
<i>For 316 Stainless Steel, Add</i>	43.36	
<i>For Aluminum, Add</i>	2.44	
<i>For Galvanized Steel, Add</i>	8.40	
<i>For 304 Stainless Steel, Add</i>	38.62	
05 12 23 00-0491 LF 1-5/8" Carbon Steel Rounds, ASTM A108.....	20.54	
<i>For 316 Stainless Steel, Add</i>	49.12	
<i>For Aluminum, Add</i>	2.76	
<i>For Galvanized Steel, Add</i>	9.52	
<i>For 304 Stainless Steel, Add</i>	43.75	
05 12 23 00-0492 LF 1-3/4" Carbon Steel Rounds, ASTM A108.....	24.80	
<i>For 316 Stainless Steel, Add</i>	57.18	
<i>For Aluminum, Add</i>	3.22	
<i>For Galvanized Steel, Add</i>	11.08	
<i>For 304 Stainless Steel, Add</i>	50.93	
05 12 23 00-0493 LF 1-7/8" Carbon Steel Rounds, ASTM A108.....	30.07	
<i>For 316 Stainless Steel, Add</i>	66.98	
<i>For Aluminum, Add</i>	3.77	
<i>For Galvanized Steel, Add</i>	12.98	
<i>For 304 Stainless Steel, Add</i>	59.65	
05 12 23 00-0494 LF 2" Carbon Steel Rounds, ASTM A108.....	34.59	
<i>For 316 Stainless Steel, Add</i>	74.50	
<i>For Aluminum, Add</i>	4.19	
<i>For Galvanized Steel, Add</i>	14.43	
<i>For 304 Stainless Steel, Add</i>	66.35	
05 12 23 00-0495 LF 2-1/8" Carbon Steel Rounds, ASTM A108.....	40.64	
<i>For 316 Stainless Steel, Add</i>	85.09	
<i>For Aluminum, Add</i>	4.79	
<i>For Galvanized Steel, Add</i>	16.49	
<i>For 304 Stainless Steel, Add</i>	75.78	
05 12 23 00-0496 LF 2-1/4" Carbon Steel Rounds, ASTM A108.....	46.05	
<i>For 316 Stainless Steel, Add</i>	95.68	
<i>For Aluminum, Add</i>	5.38	
<i>For Galvanized Steel, Add</i>	18.54	
<i>For 304 Stainless Steel, Add</i>	85.22	
05 12 23 00-0497 LF 2-3/8" Carbon Steel Rounds, ASTM A108.....	52.78	
<i>For 316 Stainless Steel, Add</i>	109.44	
<i>For Aluminum, Add</i>	6.16	
<i>For Galvanized Steel, Add</i>	21.20	
<i>For 304 Stainless Steel, Add</i>	97.47	
05 12 23 00-0498 LF 2-1/2" Carbon Steel Rounds, ASTM A108.....	58.66	
<i>For 316 Stainless Steel, Add</i>	117.92	
<i>For Aluminum, Add</i>	6.63	
<i>For Galvanized Steel, Add</i>	22.85	
<i>For 304 Stainless Steel, Add</i>	105.02	
05 12 23 00-0499 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	71.04	
<i>For 316 Stainless Steel, Add</i>	149.79	
<i>For Aluminum, Add</i>	8.43	
<i>For Galvanized Steel, Add</i>	29.02	
<i>For 304 Stainless Steel, Add</i>	133.41	
05 12 23 00-0500 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	80.85	
<i>For 316 Stainless Steel, Add</i>	170.82	
<i>For Aluminum, Add</i>	9.61	
<i>For Galvanized Steel, Add</i>	33.10	
<i>For 304 Stainless Steel, Add</i>	152.13	
05 12 23 00-0501 LF 2-7/8 Carbon Steel Rounds, ASTM A108.....	90.19	
<i>For 316 Stainless Steel, Add</i>	190.37	
<i>For Aluminum, Add</i>	10.71	
<i>For Galvanized Steel, Add</i>	36.88	
<i>For 304 Stainless Steel, Add</i>	169.55	
05 12 23 00-0502 LF 3" Carbon Steel Rounds, ASTM A108.....	95.20	
<i>For 316 Stainless Steel, Add</i>	196.06	
<i>For Aluminum, Add</i>	11.03	
<i>For Galvanized Steel, Add</i>	37.99	
<i>For 304 Stainless Steel, Add</i>	174.62	
05 12 23 00-0503 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	99.79	
<i>For 316 Stainless Steel, Add</i>	200.42	
<i>For Aluminum, Add</i>	11.27	
<i>For Galvanized Steel, Add</i>	38.83	
<i>For 304 Stainless Steel, Add</i>	178.50	
05 12 23 00-0504 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	105.59	
<i>For 316 Stainless Steel, Add</i>	208.61	
<i>For Aluminum, Add</i>	11.73	
<i>For Galvanized Steel, Add</i>	40.42	
<i>For 304 Stainless Steel, Add</i>	185.79	
05 12 23 00-0505 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	127.15	
<i>For 316 Stainless Steel, Add</i>	264.67	
<i>For Aluminum, Add</i>	14.89	
<i>For Galvanized Steel, Add</i>	51.28	
<i>For 304 Stainless Steel, Add</i>	235.72	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0506	LF		3-5/8" Carbon Steel Rounds, ASTM A108.....	141.00	
			<i>For 316 Stainless Steel, Add</i>	296.10	
			<i>For Aluminum, Add</i>	16.66	
			<i>For Galvanized Steel, Add</i>	57.37	
			<i>For 304 Stainless Steel, Add</i>	263.71	
05 12 23 00-0507	LF		3-3/4" Carbon Steel Rounds, ASTM A108.....	151.49	
			<i>For 316 Stainless Steel, Add</i>	316.74	
			<i>For Aluminum, Add</i>	17.82	
			<i>For Galvanized Steel, Add</i>	61.37	
			<i>For 304 Stainless Steel, Add</i>	282.09	
05 12 23 00-0508	LF		4" Carbon Steel Rounds, ASTM A108.....	169.24	
			<i>For 316 Stainless Steel, Add</i>	360.61	
			<i>For Aluminum, Add</i>	20.28	
			<i>For Galvanized Steel, Add</i>	69.87	
			<i>For 304 Stainless Steel, Add</i>	321.17	
05 12 23 00-0509			Square Stock (05 12 23 00-0146)		
05 12 23 00-0510	LF		3/8" Square Bar Stock.....	1.28	
			<i>For 316 Stainless Steel, Add</i>	1.06	
			<i>For Aluminum, Add</i>	0.06	
			<i>For Galvanized Steel, Add</i>	0.20	
			<i>For 304 Stainless Steel, Add</i>	0.94	
05 12 23 00-0511	LF		1/2" Square Bar Stock.....	1.63	
			<i>For 316 Stainless Steel, Add</i>	1.89	
			<i>For Aluminum, Add</i>	0.11	
			<i>For Galvanized Steel, Add</i>	0.37	
			<i>For 304 Stainless Steel, Add</i>	1.68	
05 12 23 00-0512	LF		5/8" Square Bar Stock.....	2.08	
			<i>For 316 Stainless Steel, Add</i>	2.94	
			<i>For Aluminum, Add</i>	0.17	
			<i>For Galvanized Steel, Add</i>	0.57	
			<i>For 304 Stainless Steel, Add</i>	2.62	
05 12 23 00-0513	LF		3/4" Square Bar Stock.....	2.72	
			<i>For 316 Stainless Steel, Add</i>	4.26	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.82	
			<i>For 304 Stainless Steel, Add</i>	3.79	
05 12 23 00-0514	LF		7/8" Square Bar Stock.....	3.45	
			<i>For 316 Stainless Steel, Add</i>	5.92	
			<i>For Aluminum, Add</i>	0.33	
			<i>For Galvanized Steel, Add</i>	1.15	
			<i>For 304 Stainless Steel, Add</i>	5.27	
05 12 23 00-0515	LF		1" Square Bar Stock.....	4.26	
			<i>For 316 Stainless Steel, Add</i>	7.58	
			<i>For Aluminum, Add</i>	0.43	
			<i>For Galvanized Steel, Add</i>	1.47	
			<i>For 304 Stainless Steel, Add</i>	6.75	
05 12 23 00-0516	LF		1-1/4" Square Bar Stock.....	6.67	
			<i>For 316 Stainless Steel, Add</i>	11.84	
			<i>For Aluminum, Add</i>	0.67	
			<i>For Galvanized Steel, Add</i>	2.29	
			<i>For 304 Stainless Steel, Add</i>	10.55	
05 12 23 00-0517	LF		1-1/2" Square Bar Stock.....	9.49	
			<i>For 316 Stainless Steel, Add</i>	17.06	
			<i>For Aluminum, Add</i>	0.96	
			<i>For Galvanized Steel, Add</i>	3.30	
			<i>For 304 Stainless Steel, Add</i>	15.19	
05 12 23 00-0518	LF		1-3/4" Square Bar Stock.....	14.34	
			<i>For 316 Stainless Steel, Add</i>	23.71	
			<i>For Aluminum, Add</i>	1.33	
			<i>For Galvanized Steel, Add</i>	4.59	
			<i>For 304 Stainless Steel, Add</i>	21.12	
05 12 23 00-0519	LF		2" Square Bar Stock.....	21.11	
			<i>For 316 Stainless Steel, Add</i>	30.34	
			<i>For Aluminum, Add</i>	1.71	
			<i>For Galvanized Steel, Add</i>	5.88	
			<i>For 304 Stainless Steel, Add</i>	27.02	
05 12 23 00-0520			Steel Tubing (05 12 23 00-0146)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0521			Square Steel Tubing (05 12 23 00-0520)		
05 12 23 00-0522			0.06" Wall Thickness (05 12 23 00-0521)		
05 12 23 00-0523	LF		1/2" x 1/2" x 0.06" Square Steel Tubing.....	1.46	0.44
			<i>For >100 To 250, Deduct</i>	-0.04	
			<i>For >250 To 500, Deduct</i>	-0.08	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000, Deduct</i>	-0.18	
			<i>For 316 Stainless Steel, Add</i>	2.78	
			<i>For Aluminum, Add</i>	0.16	
			<i>For Galvanized Steel, Add</i>	0.54	
			<i>For 304 Stainless Steel, Add</i>	2.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0524	LF		3/4" x 3/4" x 0.06" Square Steel Tubing.....	2.27	0.70
			<i>For >100 To 250, Deduct</i>	-0.07	
			<i>For >250 To 500, Deduct</i>	-0.13	
			<i>For >500 To 1,000, Deduct</i>	-0.21	
			<i>For >1,000, Deduct</i>	-0.29	
			<i>For 316 Stainless Steel, Add</i>	4.26	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.82	
			<i>For 304 Stainless Steel, Add</i>	3.79	
05 12 23 00-0525	LF		1" x 1" x 0.06" Square Steel Tubing.....	3.05	1.28
			<i>For >100 To 250, Deduct</i>	-0.10	
			<i>For >250 To 500, Deduct</i>	-0.17	
			<i>For >500 To 1,000, Deduct</i>	-0.28	
			<i>For >1,000, Deduct</i>	-0.39	
			<i>For 316 Stainless Steel, Add</i>	5.66	
			<i>For Aluminum, Add</i>	0.32	
			<i>For Galvanized Steel, Add</i>	1.10	
			<i>For 304 Stainless Steel, Add</i>	5.04	
05 12 23 00-0526	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.00	1.21
			<i>For >100 To 250, Deduct</i>	-0.12	
			<i>For >250 To 500, Deduct</i>	-0.22	
			<i>For >500 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000, Deduct</i>	-0.50	
			<i>For 316 Stainless Steel, Add</i>	7.65	
			<i>For Aluminum, Add</i>	0.43	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.81	
05 12 23 00-0527	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.76	1.47
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.43	
			<i>For >1,000, Deduct</i>	-0.60	
			<i>For 316 Stainless Steel, Add</i>	8.99	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.74	
			<i>For 304 Stainless Steel, Add</i>	8.01	
05 12 23 00-0528			0.083" Wall Thickness <small>(05 12 23 00-0521)</small>		
05 12 23 00-0529	LF		3/4" x 3/4" x 0.083" Square Steel Tubing.....	2.64	0.83
			<i>For >100 To 250, Deduct</i>	-0.08	
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.24	
			<i>For >1,000, Deduct</i>	-0.34	
			<i>For 316 Stainless Steel, Add</i>	4.93	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.95	
			<i>For 304 Stainless Steel, Add</i>	4.39	
05 12 23 00-0530	LF		1" x 1" x 0.083" Square Steel Tubing.....	3.81	1.13
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.34	
			<i>For >1,000, Deduct</i>	-0.47	
			<i>For 316 Stainless Steel, Add</i>	7.36	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.43	
			<i>For 304 Stainless Steel, Add</i>	6.56	
05 12 23 00-0531	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	4.63	1.44
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.26	
			<i>For >500 To 1,000, Deduct</i>	-0.42	
			<i>For >1,000, Deduct</i>	-0.59	
			<i>For 316 Stainless Steel, Add</i>	8.70	
			<i>For Aluminum, Add</i>	0.49	
			<i>For Galvanized Steel, Add</i>	1.69	
			<i>For 304 Stainless Steel, Add</i>	7.75	
05 12 23 00-0532	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	5.61	1.74
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.51	
			<i>For >1,000, Deduct</i>	-0.71	
			<i>For 316 Stainless Steel, Add</i>	10.50	
			<i>For Aluminum, Add</i>	0.59	
			<i>For Galvanized Steel, Add</i>	2.03	
			<i>For 304 Stainless Steel, Add</i>	9.35	
05 12 23 00-0533	LF		2" x 2" x 0.083" Square Steel Tubing.....	7.23	2.33
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.67	
			<i>For >1,000, Deduct</i>	-0.93	
			<i>For 316 Stainless Steel, Add</i>	13.22	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.56	
			<i>For 304 Stainless Steel, Add</i>	11.77	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0534			0.12" Wall Thickness (05 12 23 00-0521)		
05 12 23 00-0535	LF		1" x 1" x 0.12" Square Steel Tubing.....	4.24	1.34
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.39	
			<i>For >1,000, Deduct</i>	-0.54	
			<i>For 316 Stainless Steel, Add</i>	7.84	
			<i>For Aluminum, Add</i>	0.44	
			<i>For Galvanized Steel, Add</i>	1.52	
			<i>For 304 Stainless Steel, Add</i>	6.98	
05 12 23 00-0536	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	5.47	1.72
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.50	
			<i>For >1,000, Deduct</i>	-0.70	
			<i>For 316 Stainless Steel, Add</i>	10.14	
			<i>For Aluminum, Add</i>	0.57	
			<i>For Galvanized Steel, Add</i>	1.97	
			<i>For 304 Stainless Steel, Add</i>	9.03	
05 12 23 00-0537	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	6.70	2.10
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500 To 1,000, Deduct</i>	-0.62	
			<i>For >1,000, Deduct</i>	-0.85	
			<i>For 316 Stainless Steel, Add</i>	12.45	
			<i>For Aluminum, Add</i>	0.70	
			<i>For Galvanized Steel, Add</i>	2.41	
			<i>For 304 Stainless Steel, Add</i>	11.09	
05 12 23 00-0538	LF		2" x 2" x 0.12" Square Steel Tubing.....	9.09	2.87
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000, Deduct</i>	-1.16	
			<i>For 316 Stainless Steel, Add</i>	16.83	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	14.99	
05 12 23 00-0539			1/8" Wall Thickness (05 12 23 00-0521)		
05 12 23 00-0540	LF		2" x 2" x 1/8" Square Steel Tubing.....	8.36	2.98
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.12	
			<i>For 316 Stainless Steel, Add</i>	14.02	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.48	
05 12 23 00-0541	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	10.95	3.78
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.45	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
05 12 23 00-0542	LF		3" x 3" x 1/8" Square Steel Tubing.....	12.89	4.57
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.25	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	21.76	
			<i>For Aluminum, Add</i>	1.22	
			<i>For Galvanized Steel, Add</i>	4.22	
			<i>For 304 Stainless Steel, Add</i>	19.38	
05 12 23 00-0543	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	14.98	5.37
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500 To 1,000, Deduct</i>	-1.47	
			<i>For >1,000, Deduct</i>	-2.02	
			<i>For 316 Stainless Steel, Add</i>	25.02	
			<i>For Aluminum, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.85	
			<i>For 304 Stainless Steel, Add</i>	22.29	
05 12 23 00-0544	LF		4" x 4" x 1/8" Square Steel Tubing.....	16.62	6.16
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500 To 1,000, Deduct</i>	-1.65	
			<i>For >1,000, Deduct</i>	-2.27	
			<i>For 316 Stainless Steel, Add</i>	26.88	
			<i>For Aluminum, Add</i>	1.51	
			<i>For Galvanized Steel, Add</i>	5.21	
			<i>For 304 Stainless Steel, Add</i>	23.94	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0545 3/16" Wall Thickness <small>(05 12 23 00-0521)</small>		
05 12 23 00-0546 LF 2" x 2" x 3/16" Square Steel Tubing.....	9.47	3.36
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.92	
For >1,000, Deduct	-1.27	
For 316 Stainless Steel, Add	15.94	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.09	
For 304 Stainless Steel, Add	14.19	
05 12 23 00-0547 LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	12.26	4.35
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.65	
For 316 Stainless Steel, Add	20.64	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	4.00	
For 304 Stainless Steel, Add	18.38	
05 12 23 00-0548 LF 3" x 3" x 3/16" Square Steel Tubing.....	15.07	5.35
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	25.38	
For Aluminum, Add	1.43	
For Galvanized Steel, Add	4.92	
For 304 Stainless Steel, Add	22.60	
05 12 23 00-0549 LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	17.87	6.34
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.40	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0550 LF 4" x 4" x 3/16" Square Steel Tubing.....	20.66	7.34
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.25	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.77	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0551 LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	23.46	8.34
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.42	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.15	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0552 LF 5" x 5" x 3/16" Square Steel Tubing.....	26.23	9.32
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.59	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-3.52	
For 316 Stainless Steel, Add	44.19	
For Aluminum, Add	2.49	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.36	
05 12 23 00-0553 LF 6" x 6" x 3/16" Square Steel Tubing.....	31.86	11.32
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.93	
For >500 To 1,000, Deduct	-3.10	
For >1,000, Deduct	-4.28	
For 316 Stainless Steel, Add	53.66	
For Aluminum, Add	3.02	
For Galvanized Steel, Add	10.40	
For 304 Stainless Steel, Add	47.79	

05 12 23 00-0554 1/4" Wall Thickness (05 12 23 00-0521)

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0555	LF		2" x 2" x 1/4" Square Steel Tubing.....	10.00	3.37
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.31	
			<i>For 316 Stainless Steel, Add</i>	17.63	
			<i>For Aluminum, Add</i>	0.99	
			<i>For Galvanized Steel, Add</i>	3.42	
			<i>For 304 Stainless Steel, Add</i>	15.70	
05 12 23 00-0556	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	13.15	4.43
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.25	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
05 12 23 00-0557	LF		3" x 3" x 1/4" Square Steel Tubing.....	16.29	5.49
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.55	
			<i>For >1,000, Deduct</i>	-2.14	
			<i>For 316 Stainless Steel, Add</i>	28.70	
			<i>For Aluminum, Add</i>	1.61	
			<i>For Galvanized Steel, Add</i>	5.56	
			<i>For 304 Stainless Steel, Add</i>	25.56	
05 12 23 00-0558	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	19.43	6.54
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.84	
			<i>For >1,000, Deduct</i>	-2.55	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0559	LF		4" x 4" x 1/4" Square Steel Tubing.....	22.57	7.61
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.96	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0560	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	25.73	8.67
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-2.44	
			<i>For >1,000, Deduct</i>	-3.37	
			<i>For 316 Stainless Steel, Add</i>	45.34	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Galvanized Steel, Add</i>	8.79	
			<i>For 304 Stainless Steel, Add</i>	40.38	
05 12 23 00-0561	LF		5" x 5" x 1/4" Square Steel Tubing.....	28.89	9.74
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500 To 1,000, Deduct</i>	-2.74	
			<i>For >1,000, Deduct</i>	-3.79	
			<i>For 316 Stainless Steel, Add</i>	50.91	
			<i>For Aluminum, Add</i>	2.86	
			<i>For Galvanized Steel, Add</i>	9.86	
			<i>For 304 Stainless Steel, Add</i>	45.34	
05 12 23 00-0562	LF		6" x 6" x 1/4" Square Steel Tubing.....	35.17	11.85
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500 To 1,000, Deduct</i>	-3.34	
			<i>For >1,000, Deduct</i>	-4.61	
			<i>For 316 Stainless Steel, Add</i>	61.98	
			<i>For Aluminum, Add</i>	3.49	
			<i>For Galvanized Steel, Add</i>	12.01	
			<i>For 304 Stainless Steel, Add</i>	55.20	
05 12 23 00-0563			Rectangular Steel Tubing (05 12 23 00-0520)		
05 12 23 00-0564			3/16" Wall Thickness (05 12 23 00-0563)		
05 12 23 00-0565	LF		3" x 2" x 3/16" Square Steel Tubing.....	12.26	4.35
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500 To 1,000, Deduct</i>	-1.19	
			<i>For >1,000, Deduct</i>	-1.65	
			<i>For 316 Stainless Steel, Add</i>	20.64	
			<i>For Aluminum, Add</i>	1.16	
			<i>For Galvanized Steel, Add</i>	4.00	
			<i>For 304 Stainless Steel, Add</i>	18.38	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0566	LF	4" x 2" x 3/16"	Square Steel Tubing.....	15.07	5.35
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500 To 1,000, Deduct</i>	-1.47	
			<i>For >1,000, Deduct</i>	-2.02	
			<i>For 316 Stainless Steel, Add</i>	25.38	
			<i>For Aluminum, Add</i>	1.43	
			<i>For Galvanized Steel, Add</i>	4.92	
			<i>For 304 Stainless Steel, Add</i>	22.60	
05 12 23 00-0567	LF	4" x 3" x 3/16"	Square Steel Tubing.....	17.87	6.34
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500 To 1,000, Deduct</i>	-1.74	
			<i>For >1,000, Deduct</i>	-2.40	
			<i>For 316 Stainless Steel, Add</i>	30.08	
			<i>For Aluminum, Add</i>	1.69	
			<i>For Galvanized Steel, Add</i>	5.83	
			<i>For 304 Stainless Steel, Add</i>	26.79	
05 12 23 00-0568	LF	5" x 2" x 3/16"	Square Steel Tubing.....	17.87	6.34
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500 To 1,000, Deduct</i>	-1.74	
			<i>For >1,000, Deduct</i>	-2.40	
			<i>For 316 Stainless Steel, Add</i>	30.08	
			<i>For Aluminum, Add</i>	1.69	
			<i>For Galvanized Steel, Add</i>	5.83	
			<i>For 304 Stainless Steel, Add</i>	26.79	
05 12 23 00-0569	LF	5" x 3" x 3/16"	Square Steel Tubing.....	20.66	7.34
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500 To 1,000, Deduct</i>	-2.01	
			<i>For >1,000, Deduct</i>	-2.77	
			<i>For 316 Stainless Steel, Add</i>	34.78	
			<i>For Aluminum, Add</i>	1.96	
			<i>For Galvanized Steel, Add</i>	6.74	
			<i>For 304 Stainless Steel, Add</i>	30.98	
05 12 23 00-0570	LF	5" x 4" x 3/16"	Square Steel Tubing.....	23.46	8.34
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500 To 1,000, Deduct</i>	-2.28	
			<i>For >1,000, Deduct</i>	-3.15	
			<i>For 316 Stainless Steel, Add</i>	39.52	
			<i>For Aluminum, Add</i>	2.22	
			<i>For Galvanized Steel, Add</i>	7.66	
			<i>For 304 Stainless Steel, Add</i>	35.20	
05 12 23 00-0571	LF	6" x 2" x 3/16"	Square Steel Tubing.....	20.66	7.34
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500 To 1,000, Deduct</i>	-2.01	
			<i>For >1,000, Deduct</i>	-2.77	
			<i>For 316 Stainless Steel, Add</i>	34.78	
			<i>For Aluminum, Add</i>	1.96	
			<i>For Galvanized Steel, Add</i>	6.74	
			<i>For 304 Stainless Steel, Add</i>	30.98	
05 12 23 00-0572	LF	6" x 3" x 3/16"	Square Steel Tubing.....	23.46	8.34
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500 To 1,000, Deduct</i>	-2.28	
			<i>For >1,000, Deduct</i>	-3.15	
			<i>For 316 Stainless Steel, Add</i>	39.52	
			<i>For Aluminum, Add</i>	2.22	
			<i>For Galvanized Steel, Add</i>	7.66	
			<i>For 304 Stainless Steel, Add</i>	35.20	
05 12 23 00-0573	LF	6" x 4" x 3/16"	Square Steel Tubing.....	26.23	9.32
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500 To 1,000, Deduct</i>	-2.55	
			<i>For >1,000, Deduct</i>	-3.52	
			<i>For 316 Stainless Steel, Add</i>	44.19	
			<i>For Aluminum, Add</i>	2.49	
			<i>For Galvanized Steel, Add</i>	8.56	
			<i>For 304 Stainless Steel, Add</i>	39.36	
05 12 23 00-0574			1/4" Wall Thickness (05 12 23 00-0563)		
05 12 23 00-0575	LF	3" x 2" x 1/4"	Square Steel Tubing.....	13.15	4.43
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.25	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0576	LF		4" x 2" x 1/4" Square Steel Tubing.....	16.29	5.49
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.55	
			For >1,000, Deduct	-2.14	
			For 316 Stainless Steel, Add	28.70	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.56	
			For 304 Stainless Steel, Add	25.56	
05 12 23 00-0577	LF		4" x 3" x 1/4" Square Steel Tubing.....	19.43	6.54
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.55	
			For 316 Stainless Steel, Add	34.24	
			For Aluminum, Add	1.93	
			For Galvanized Steel, Add	6.63	
			For 304 Stainless Steel, Add	30.50	
05 12 23 00-0578	LF		5" x 2" x 1/4" Square Steel Tubing.....	19.43	6.54
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.55	
			For 316 Stainless Steel, Add	34.24	
			For Aluminum, Add	1.93	
			For Galvanized Steel, Add	6.63	
			For 304 Stainless Steel, Add	30.50	
05 12 23 00-0579	LF		5" x 3" x 1/4" Square Steel Tubing.....	22.57	7.61
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.32	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-2.96	
			For 316 Stainless Steel, Add	39.78	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
			For 304 Stainless Steel, Add	35.43	
05 12 23 00-0580	LF		5" x 4" x 1/4" Square Steel Tubing.....	25.73	8.67
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.44	
			For >1,000, Deduct	-3.37	
			For 316 Stainless Steel, Add	45.34	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.79	
			For 304 Stainless Steel, Add	40.38	
05 12 23 00-0581	LF		6" x 2" x 1/4" Square Steel Tubing.....	22.57	7.61
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.32	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-2.96	
			For 316 Stainless Steel, Add	39.78	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
			For 304 Stainless Steel, Add	35.43	
05 12 23 00-0582	LF		6" x 3" x 1/4" Square Steel Tubing.....	25.73	8.67
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.44	
			For >1,000, Deduct	-3.37	
			For 316 Stainless Steel, Add	45.34	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.79	
			For 304 Stainless Steel, Add	40.38	
05 12 23 00-0583	LF		6" x 4" x 1/4" Square Steel Tubing.....	28.89	9.74
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.70	
			For >500 To 1,000, Deduct	-2.74	
			For >1,000, Deduct	-3.79	
			For 316 Stainless Steel, Add	50.91	
			For Aluminum, Add	2.86	
			For Galvanized Steel, Add	9.86	
			For 304 Stainless Steel, Add	45.34	
05 12 23 00-0584			Round Steel Tubing (05 12 23 00-0520)		
05 12 23 00-0585			0.065" Wall Thickness (05 12 23 00-0584)		
05 12 23 00-0586	LF		1" Diameter x 0.065" Round Steel Tubing	2.63	0.81
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.24	
			For >1,000, Deduct	-0.33	
			For 316 Stainless Steel, Add	4.96	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.96	
			For 304 Stainless Steel, Add	4.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0587 LF 1-1/4" Diameter x 0.065" Round Steel Tubing	3.33	1.03
<i>For >100 To 250, Deduct</i>	-0.10	
<i>For >250 To 500, Deduct</i>	-0.19	
<i>For >500 To 1,000, Deduct</i>	-0.30	
<i>For >1,000, Deduct</i>	-0.42	
<i>For 316 Stainless Steel, Add</i>	6.27	
<i>For Aluminum, Add</i>	0.35	
<i>For Galvanized Steel, Add</i>	1.22	
<i>For 304 Stainless Steel, Add</i>	5.59	
05 12 23 00-0588 LF 1-1/2" Diameter x 0.065" Round Steel Tubing	4.03	1.24
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500 To 1,000, Deduct</i>	-0.37	
<i>For >1,000, Deduct</i>	-0.51	
<i>For 316 Stainless Steel, Add</i>	7.62	
<i>For Aluminum, Add</i>	0.43	
<i>For Galvanized Steel, Add</i>	1.48	
<i>For 304 Stainless Steel, Add</i>	6.78	
05 12 23 00-0589 LF 2" Diameter x 0.065" Round Steel Tubing	5.43	1.67
<i>For >100 To 250, Deduct</i>	-0.17	
<i>For >250 To 500, Deduct</i>	-0.30	
<i>For >500 To 1,000, Deduct</i>	-0.49	
<i>For >1,000, Deduct</i>	-0.69	
<i>For 316 Stainless Steel, Add</i>	10.24	
<i>For Aluminum, Add</i>	0.58	
<i>For Galvanized Steel, Add</i>	1.98	
<i>For 304 Stainless Steel, Add</i>	9.12	
05 12 23 00-0590 LF 2-1/2" Diameter x 0.065" Round Steel Tubing	6.84	2.10
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500 To 1,000, Deduct</i>	-0.62	
<i>For >1,000, Deduct</i>	-0.86	
<i>For 316 Stainless Steel, Add</i>	12.90	
<i>For Aluminum, Add</i>	0.73	
<i>For Galvanized Steel, Add</i>	2.50	
<i>For 304 Stainless Steel, Add</i>	11.49	
05 12 23 00-0591 LF 3" Diameter x 0.065" Round Steel Tubing	8.24	2.54
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.46	
<i>For >500 To 1,000, Deduct</i>	-0.75	
<i>For >1,000, Deduct</i>	-1.04	
<i>For 316 Stainless Steel, Add</i>	15.55	
<i>For Aluminum, Add</i>	0.87	
<i>For Galvanized Steel, Add</i>	3.01	
<i>For 304 Stainless Steel, Add</i>	13.85	
05 12 23 00-0592 LF 3-1/2" Diameter x 0.065" Round Steel Tubing	9.66	2.97
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500 To 1,000, Deduct</i>	-0.88	
<i>For >1,000, Deduct</i>	-1.22	
<i>For 316 Stainless Steel, Add</i>	18.21	
<i>For Aluminum, Add</i>	1.02	
<i>For Galvanized Steel, Add</i>	3.53	
<i>For 304 Stainless Steel, Add</i>	16.22	
05 12 23 00-0593 LF 4" Diameter x 0.065" Round Steel Tubing	11.06	3.40
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500 To 1,000, Deduct</i>	-1.01	
<i>For >1,000, Deduct</i>	-1.40	
<i>For 316 Stainless Steel, Add</i>	20.86	
<i>For Aluminum, Add</i>	1.17	
<i>For Galvanized Steel, Add</i>	4.04	
<i>For 304 Stainless Steel, Add</i>	18.58	
05 12 23 00-0594 0.083" Wall Thickness <small>(05 12 23 00-0584)</small>		
05 12 23 00-0595 LF 1" Diameter x 0.083" Round Steel Tubing	2.86	0.89
<i>For >100 To 250, Deduct</i>	-0.09	
<i>For >250 To 500, Deduct</i>	-0.16	
<i>For >500 To 1,000, Deduct</i>	-0.26	
<i>For >1,000, Deduct</i>	-0.36	
<i>For 316 Stainless Steel, Add</i>	5.38	
<i>For Aluminum, Add</i>	0.30	
<i>For Galvanized Steel, Add</i>	1.04	
<i>For 304 Stainless Steel, Add</i>	4.79	
05 12 23 00-0596 LF 1-1/4" Diameter x 0.083" Round Steel Tubing	3.63	1.13
<i>For >100 To 250, Deduct</i>	-0.11	
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500 To 1,000, Deduct</i>	-0.33	
<i>For >1,000, Deduct</i>	-0.46	
<i>For 316 Stainless Steel, Add</i>	6.82	
<i>For Aluminum, Add</i>	0.38	
<i>For Galvanized Steel, Add</i>	1.32	
<i>For 304 Stainless Steel, Add</i>	6.07	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0597	LF		1-1/2" Diameter x 0.083" Round Steel Tubing	4.41	1.37
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.25	
			<i>For >500 To 1,000, Deduct</i>	-0.40	
			<i>For >1,000, Deduct</i>	-0.56	
			<i>For 316 Stainless Steel, Add</i>	8.29	
			<i>For Aluminum, Add</i>	0.47	
			<i>For Galvanized Steel, Add</i>	1.61	
			<i>For 304 Stainless Steel, Add</i>	7.38	
05 12 23 00-0598	LF		2" Diameter x 0.083" Round Steel Tubing	5.97	1.85
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000, Deduct</i>	-0.76	
			<i>For 316 Stainless Steel, Add</i>	11.20	
			<i>For Aluminum, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	2.17	
			<i>For 304 Stainless Steel, Add</i>	9.98	
05 12 23 00-0599	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	7.53	2.34
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	14.14	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.74	
			<i>For 304 Stainless Steel, Add</i>	12.60	
05 12 23 00-0600	LF		3" Diameter x 0.083" Round Steel Tubing	9.09	2.82
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.15	
			<i>For 316 Stainless Steel, Add</i>	17.06	
			<i>For Aluminum, Add</i>	0.96	
			<i>For Galvanized Steel, Add</i>	3.30	
			<i>For 304 Stainless Steel, Add</i>	15.19	
05 12 23 00-0601	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	10.64	3.30
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.97	
			<i>For >1,000, Deduct</i>	-1.35	
			<i>For 316 Stainless Steel, Add</i>	19.97	
			<i>For Aluminum, Add</i>	1.12	
			<i>For Galvanized Steel, Add</i>	3.87	
			<i>For 304 Stainless Steel, Add</i>	17.78	
05 12 23 00-0602	LF		4" Diameter x 0.083" Round Steel Tubing	12.19	3.79
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.11	
			<i>For >1,000, Deduct</i>	-1.54	
			<i>For 316 Stainless Steel, Add</i>	22.88	
			<i>For Aluminum, Add</i>	1.29	
			<i>For Galvanized Steel, Add</i>	4.43	
			<i>For 304 Stainless Steel, Add</i>	20.38	
05 12 23 00-0603			0.125" Wall Thickness (05 12 23 00-0584)		
05 12 23 00-0604	LF		2" Diameter x 0.125" Round Steel Tubing	6.56	2.34
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000, Deduct</i>	-0.88	
			<i>For 316 Stainless Steel, Add</i>	11.01	
			<i>For Aluminum, Add</i>	0.62	
			<i>For Galvanized Steel, Add</i>	2.13	
			<i>For 304 Stainless Steel, Add</i>	9.80	
05 12 23 00-0605	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	8.30	2.96
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.81	
			<i>For >1,000, Deduct</i>	-1.12	
			<i>For 316 Stainless Steel, Add</i>	13.92	
			<i>For Aluminum, Add</i>	0.78	
			<i>For Galvanized Steel, Add</i>	2.70	
			<i>For 304 Stainless Steel, Add</i>	12.40	
05 12 23 00-0606	LF		3" Diameter x 0.125" Round Steel Tubing	10.05	3.58
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.35	
			<i>For 316 Stainless Steel, Add</i>	16.86	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.27	
			<i>For 304 Stainless Steel, Add</i>	15.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0607	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	11.81	4.21
				<i>For >100 To 250, Deduct</i>	-0.42	
				<i>For >250 To 500, Deduct</i>	-0.72	
				<i>For >500 To 1,000, Deduct</i>	-1.15	
				<i>For >1,000, Deduct</i>	-1.59	
				<i>For 316 Stainless Steel, Add</i>	19.81	
				<i>For Aluminum, Add</i>	1.11	
				<i>For Galvanized Steel, Add</i>	3.84	
				<i>For 304 Stainless Steel, Add</i>	17.64	
	05 12 23 00-0608	LF		4" Diameter x 0.125" Round Steel Tubing	13.54	4.83
				<i>For >100 To 250, Deduct</i>	-0.48	
				<i>For >250 To 500, Deduct</i>	-0.82	
				<i>For >500 To 1,000, Deduct</i>	-1.32	
				<i>For >1,000, Deduct</i>	-1.82	
				<i>For 316 Stainless Steel, Add</i>	22.72	
				<i>For Aluminum, Add</i>	1.28	
				<i>For Galvanized Steel, Add</i>	4.40	
				<i>For 304 Stainless Steel, Add</i>	20.24	

05 13 Structural Stainless-Steel Framing (05 10)

05 13 00 00-0001 Stainless Steel Tube (05 13)

05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube.....	22.73	
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	29.48	
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube.....	39.10	

05 14 Structural Aluminum Framing (05 10)

05 14 16 Structural Aluminum Framing (05 14)

05 14 16 00-0001 Rolled Or Plate Shapes (05 14 16)

Note: 1" through 10" member.

05 14 16 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	7.46	3.91
05 14 16 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members.....	7.21	2.63

05 14 16 00-0004 Aluminum Extrusions (05 14 16)

05 14 16 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	6.69	2.63
05 14 16 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	6.92	2.63

05 14 16 00-0007 Aluminum Tubing (05 14 16)

05 14 16 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	7.97	2.82
05 14 16 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	10.36	4.57
05 14 16 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	11.67	4.98
05 14 16 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	13.55	5.82
05 14 16 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	15.02	6.23
05 14 16 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	27.59	7.89
05 14 16 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	23.53	7.06

05 14 16 00-0015 Columns (05 14 16)

Note: Baked on paint finish, load bearing.

05 14 16 00-0016 Round Columns (05 14 16 00-0015)

05 14 16 00-0017	LF	6" Diameter Aluminum Column	21.57	5.41
05 14 16 00-0018	LF	8" Diameter Aluminum Column.....	28.66	7.76
05 14 16 00-0019	LF	10" Diameter Aluminum Column.....	34.01	8.73
05 14 16 00-0020	LF	12" Diameter Aluminum Column.....	46.00	9.13
05 14 16 00-0021	LF	15" Diameter Aluminum Column.....	57.37	10.58
05 14 16 00-0022	EA	6" Diameter Aluminum Base And Cap	40.27	10.10
05 14 16 00-0023	EA	8" Diameter Aluminum Base And Cap	45.27	10.91
05 14 16 00-0024	EA	10" Diameter Aluminum Base And Cap	55.07	12.12
05 14 16 00-0025	EA	12" Diameter Aluminum Base And Cap	85.11	12.93
05 14 16 00-0026	EA	15" Diameter Aluminum Base And Cap	123.21	14.14

05 14 16 00-0027 Octagonal Columns (05 14 16 00-0015)

05 14 16 00-0028	LF	6" Diameter Aluminum Column	22.57	5.41
05 14 16 00-0029	LF	8" Diameter Aluminum Column.....	31.29	7.76
05 14 16 00-0030	LF	10" Diameter Aluminum Column.....	37.32	8.73
05 14 16 00-0031	LF	12" Diameter Aluminum Column.....	51.56	9.13
05 14 16 00-0032	LF	15" Diameter Aluminum Column.....	64.63	10.58
05 14 16 00-0033	EA	6" Diameter Aluminum Base And Cap	44.28	10.10
05 14 16 00-0034	EA	8" Diameter Aluminum Base And Cap	49.97	10.91
05 14 16 00-0035	EA	10" Diameter Aluminum Base And Cap	61.24	12.12
05 14 16 00-0036	EA	12" Diameter Aluminum Base And Cap	96.97	12.93
05 14 16 00-0037	EA	15" Diameter Aluminum Base And Cap	142.20	14.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 16 00-0038 Fluted Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0039 LF 6" Diameter Aluminum Column.....	24.34	5.41
05 14 16 00-0040 LF 8" Diameter Aluminum Column.....	33.65	7.76
05 14 16 00-0041 LF 10" Diameter Aluminum Column.....	40.31	8.73
05 14 16 00-0042 LF 12" Diameter Aluminum Column.....	56.57	9.13
05 14 16 00-0043 LF 15" Diameter Aluminum Column.....	71.16	10.58
05 14 16 00-0044 EA 6" Diameter Aluminum Base And Cap.....	47.90	10.10
05 14 16 00-0045 EA 8" Diameter Aluminum Base And Cap.....	54.19	10.91
05 14 16 00-0046 EA 10" Diameter Aluminum Base And Cap.....	66.79	12.12
05 14 16 00-0047 EA 12" Diameter Aluminum Base And Cap.....	107.63	12.93
05 14 16 00-0048 EA 15" Diameter Aluminum Base And Cap.....	159.29	14.14
05 14 16 00-0049 Square Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0050 LF 6" Aluminum Column.....	25.56	5.41
05 14 16 00-0051 LF 8" Aluminum Column.....	35.26	7.76
05 14 16 00-0052 LF 10" Aluminum Column.....	42.35	8.73
05 14 16 00-0053 LF 12" Aluminum Column.....	59.99	9.13
05 14 16 00-0054 LF 15" Aluminum Column.....	75.63	10.58
05 14 16 00-0055 EA 6" Aluminum Base And Cap.....	50.37	10.10
05 14 16 00-0056 EA 8" Aluminum Base And Cap.....	57.08	10.91
05 14 16 00-0057 EA 10" Aluminum Base And Cap.....	70.59	12.12
05 14 16 00-0058 EA 12" Aluminum Base And Cap.....	114.93	12.93
05 14 16 00-0059 EA 15" Aluminum Base And Cap.....	170.98	14.14
05 14 16 00-0060 Ornamental Or Decorative Cap And Bases <small>(05 14 16 00-0015)</small>		
05 14 16 00-0061 EA 8" Corinthian Capital And Base.....	228.63	12.12
05 14 16 00-0062 EA 10" Corinthian Capital And Base.....	331.81	14.14
05 14 16 00-0063 EA 12" Corinthian Capital And Base.....	517.10	16.15
05 14 16 00-0064 EA 8" Scamozzi Capital And Base.....	121.19	12.12
05 14 16 00-0065 EA 10" Scamozzi Capital And Base.....	159.73	14.14
05 14 16 00-0066 EA 12" Scamozzi Capital And Base.....	305.89	16.15
05 15 Wire Rope Assemblies <small>(05 10)</small>		
05 15 16 Steel Wire Rope Assemblies <small>(05 15)</small>		
Note: IWRC = Independent Wire Rope Center; IPS = Improved Plow Steel; XIP = Extra Improved Plow Steel.		
05 15 16 00-0001 6x7 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0002 LF 1/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.31	0.06
For 7x7 Strand Core, Add	0.01	
For <100, Add	0.08	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.02	
For >2,000, Deduct	-0.03	
05 15 16 00-0003 LF 3/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.35	0.07
For 7x7 Strand Core, Add	0.01	
For <100, Add	0.09	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.03	
For >2,000, Deduct	-0.04	
05 15 16 00-0004 LF 1/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.46	0.07
For 7x7 Strand Core, Add	0.02	
For <100, Add	0.13	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.03	
For >2,000, Deduct	-0.05	
05 15 16 00-0005 LF 5/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.50	0.08
For 7x7 Strand Core, Add	0.02	
For <100, Add	0.14	
For >500 To 1,000, Deduct	-0.03	
For >1,000 To 2,000, Deduct	-0.04	
For >2,000, Deduct	-0.05	
05 15 16 00-0006 LF 3/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.72	0.08
For 7x7 Strand Core, Add	0.03	
For <100, Add	0.21	
For >500 To 1,000, Deduct	-0.04	
For >1,000 To 2,000, Deduct	-0.05	
For >2,000, Deduct	-0.07	
05 15 16 00-0007 LF 1/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.94	0.08
For 7x7 Strand Core, Add	0.04	
For <100, Add	0.29	
For >500 To 1,000, Deduct	-0.05	
For >1,000 To 2,000, Deduct	-0.07	
For >2,000, Deduct	-0.09	
05 15 16 00-0008 LF 5/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	1.18	0.08
For 7x7 Strand Core, Add	0.05	
For <100, Add	0.36	
For >500 To 1,000, Deduct	-0.06	
For >1,000 To 2,000, Deduct	-0.09	
For >2,000, Deduct	-0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0009 LF 3/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.50 0.06 0.46 -0.08 -0.11 -0.15	0.08
05 15 16 00-0010 LF 7/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.85 0.07 0.55 -0.09 -0.14 -0.19	0.16
05 15 16 00-0011 LF 1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.18 0.08 0.64 -0.11 -0.16 -0.22	0.16
05 15 16 00-0012 LF 9/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.66 0.09 0.77 -0.13 -0.20 -0.27	0.25
05 15 16 00-0013 LF 5/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.05 0.10 0.87 -0.15 -0.23 -0.31	0.33
05 15 16 00-0014 LF 3/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.11 0.14 1.16 -0.21 -0.31 -0.41	0.41
05 15 16 00-0015 8x19 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0016 LF 3/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.04 0.32 -0.05 -0.08 -0.10	0.08
05 15 16 00-0017 LF 1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.55 0.50 -0.08 -0.12 -0.16	0.08
05 15 16 00-0018 LF 5/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.78 0.57 -0.09 -0.13 -0.18	0.08
05 15 16 00-0019 LF 3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.08 0.66 -0.10 -0.16 -0.21	0.08
05 15 16 00-0020 LF 7/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.47 0.77 -0.12 -0.19 -0.25	0.16
05 15 16 00-0021 LF 1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.84 0.87 -0.14 -0.21 -0.28	0.16
05 15 16 00-0022 LF 9/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.36 1.01 -0.17 -0.25 -0.34	0.25
05 15 16 00-0023 LF 5/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.05 1.21 -0.20 -0.30 -0.41	0.33
05 15 16 00-0024 LF 3/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	5.65 1.69 -0.28 -0.42 -0.57	0.41

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0025	LF		7/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	7.52	0.58
			For <100, Add	2.23	
			For >500 To 1,000, Deduct	-0.38	
			For >1,000 To 2,000, Deduct	-0.56	
			For >2,000, Deduct	-0.75	
05 15 16 00-0026	LF		1" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	9.45	0.84
			For <100, Add	2.78	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000 To 2,000, Deduct	-0.71	
			For >2,000, Deduct	-0.95	
05 15 16 00-0027	LF		1-1/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	6.89	1.00
			For <100, Add	1.75	
			For >500 To 1,000, Deduct	-0.34	
			For >1,000 To 2,000, Deduct	-0.52	
			For >2,000, Deduct	-0.69	
05 15 16 00-0028	LF		1-1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	14.27	1.25
			For <100, Add	4.16	
			For >500 To 1,000, Deduct	-0.71	
			For >1,000 To 2,000, Deduct	-1.07	
			For >2,000, Deduct	-1.43	
05 15 16 00-0029	LF		1-3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	17.15	1.50
			For <100, Add	5.01	
			For >500 To 1,000, Deduct	-0.86	
			For >1,000 To 2,000, Deduct	-1.29	
			For >2,000, Deduct	-1.72	
05 15 16 00-0030	LF		1-1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	20.38	1.83
			For <100, Add	5.95	
			For >500 To 1,000, Deduct	-1.02	
			For >1,000 To 2,000, Deduct	-1.53	
			For >2,000, Deduct	-2.04	
05 15 16 00-0031			6x19 Class Bright, IPS, IWRC (05 15 16)		
05 15 16 00-0032	LF		1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.47	0.08
			For <100, Add	0.48	
			For >500 To 1,000, Deduct	-0.07	
			For >1,000 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.15	
			For 7x19 Strand Core, Add	0.26	
			For Heavy Duty IWRC Rating, Add	0.32	
			For 7x19 Galvanized, Add	0.70	
05 15 16 00-0033	LF		5/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.74	0.08
			For <100, Add	0.55	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.13	
			For >2,000, Deduct	-0.17	
			For 7x19 Strand Core, Add	0.29	
			For Heavy Duty IWRC Rating, Add	0.36	
			For 7x19 Galvanized, Add	0.79	
05 15 16 00-0034	LF		3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.09	0.16
			For <100, Add	0.65	
			For >500 To 1,000, Deduct	-0.10	
			For >1,000 To 2,000, Deduct	-0.16	
			For >2,000, Deduct	-0.21	
			For 7x19 Strand Core, Add	0.33	
			For Heavy Duty IWRC Rating, Add	0.42	
			For 7x19 Galvanized, Add	0.91	
05 15 16 00-0035	LF		7/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.46	0.16
			For <100, Add	0.75	
			For >500 To 1,000, Deduct	-0.12	
			For >1,000 To 2,000, Deduct	-0.18	
			For >2,000, Deduct	-0.25	
			For 7x19 Strand Core, Add	0.38	
			For Heavy Duty IWRC Rating, Add	0.47	
			For 7x19 Galvanized, Add	1.03	
05 15 16 00-0036	LF		1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.88	0.25
			For <100, Add	0.85	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.22	
			For >2,000, Deduct	-0.29	
			For 7x19 Strand Core, Add	0.42	
			For Heavy Duty IWRC Rating, Add	0.53	
			For 7x19 Galvanized, Add	1.16	
05 15 16 00-0037	LF		9/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.40	0.33
			For <100, Add	0.99	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 2,000, Deduct	-0.26	
			For >2,000, Deduct	-0.34	
			For 7x19 Strand Core, Add	0.48	
			For Heavy Duty IWRC Rating, Add	0.61	
			For 7x19 Galvanized, Add	1.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0038 LF 5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	3.92	0.33
For <100, Add	1.13	
For >500 To 1,000, Deduct	-0.20	
For >1,000 To 2,000, Deduct	-0.29	
For >2,000, Deduct	-0.39	
For 7x19 Strand Core, Add	0.54	
For Heavy Duty IWRC Rating, Add	0.68	
For 7x19 Galvanized, Add	1.49	
05 15 16 00-0039 LF 3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	5.55	0.58
For <100, Add	1.59	
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 2,000, Deduct	-0.42	
For >2,000, Deduct	-0.56	
For 7x19 Strand Core, Add	0.76	
For Heavy Duty IWRC Rating, Add	0.95	
For 7x19 Galvanized, Add	2.09	
05 15 16 00-0040 LF 7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	7.33	0.66
For <100, Add	2.09	
For >500 To 1,000, Deduct	-0.37	
For >1,000 To 2,000, Deduct	-0.55	
For >2,000, Deduct	-0.73	
For 7x19 Strand Core, Add	0.99	
For Heavy Duty IWRC Rating, Add	1.24	
For 7x19 Galvanized, Add	2.72	
05 15 16 00-0041 LF 1" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	9.22	0.92
For <100, Add	2.60	
For >500 To 1,000, Deduct	-0.46	
For >1,000 To 2,000, Deduct	-0.69	
For >2,000, Deduct	-0.92	
For 7x19 Strand Core, Add	1.22	
For Heavy Duty IWRC Rating, Add	1.52	
For 7x19 Galvanized, Add	3.35	
05 15 16 00-0042 LF 1-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	11.42	1.17
For <100, Add	3.22	
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 2,000, Deduct	-0.86	
For >2,000, Deduct	-1.14	
For 7x19 Strand Core, Add	1.51	
For Heavy Duty IWRC Rating, Add	1.88	
For 7x19 Galvanized, Add	4.14	
05 15 16 00-0043 LF 1-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	13.61	1.41
For <100, Add	3.82	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.02	
For >2,000, Deduct	-1.36	
For 7x19 Strand Core, Add	1.77	
For Heavy Duty IWRC Rating, Add	2.22	
For 7x19 Galvanized, Add	4.88	
05 15 16 00-0044 LF 1-3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	16.52	1.74
For <100, Add	4.62	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.24	
For >2,000, Deduct	-1.65	
For 7x19 Strand Core, Add	2.14	
For Heavy Duty IWRC Rating, Add	2.67	
For 7x19 Galvanized, Add	5.88	
05 15 16 00-0045 LF 1-1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	19.60	2.07
For <100, Add	5.47	
For >500 To 1,000, Deduct	-0.98	
For >1,000 To 2,000, Deduct	-1.47	
For >2,000, Deduct	-1.96	
For 7x19 Strand Core, Add	2.53	
For Heavy Duty IWRC Rating, Add	3.17	
For 7x19 Galvanized, Add	6.97	
05 15 16 00-0046 LF 1-5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	23.32	2.41
For <100, Add	6.54	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-1.75	
For >2,000, Deduct	-2.33	
For 7x19 Strand Core, Add	3.04	
For Heavy Duty IWRC Rating, Add	3.81	
For 7x19 Galvanized, Add	8.37	
05 15 16 00-0047 LF 1-3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	31.30	4.08
For <100, Add	8.27	
For >500 To 1,000, Deduct	-1.57	
For >1,000 To 2,000, Deduct	-2.35	
For >2,000, Deduct	-3.13	
For 7x19 Strand Core, Add	3.57	
For Heavy Duty IWRC Rating, Add	4.47	
For 7x19 Galvanized, Add	9.83	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0048 LF 1-7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	35.97	4.61
For <100, Add	9.51	
For >500 To 1,000, Deduct	-1.80	
For >1,000 To 2,000, Deduct	-2.70	
For >2,000, Deduct	-3.60	
For 7x19 Strand Core, Add	4.11	
For Heavy Duty IWRC Rating, Add	5.14	
For 7x19 Galvanized, Add	11.30	
05 15 16 00-0049 LF 2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	41.30	5.31
For <100, Add	10.91	
For >500 To 1,000, Deduct	-2.07	
For >1,000 To 2,000, Deduct	-3.10	
For >2,000, Deduct	-4.13	
For 7x19 Strand Core, Add	4.72	
For Heavy Duty IWRC Rating, Add	5.90	
For 7x19 Galvanized, Add	12.97	
05 15 16 00-0050 LF 2-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	46.53	5.94
For <100, Add	12.35	
For >500 To 1,000, Deduct	-2.33	
For >1,000 To 2,000, Deduct	-3.49	
For >2,000, Deduct	-4.65	
For 7x19 Strand Core, Add	5.37	
For Heavy Duty IWRC Rating, Add	6.71	
For 7x19 Galvanized, Add	14.76	
05 15 16 00-0051 LF 2-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	52.76	6.65
For <100, Add	14.03	
For >500 To 1,000, Deduct	-2.64	
For >1,000 To 2,000, Deduct	-3.96	
For >2,000, Deduct	-5.28	
For 7x19 Strand Core, Add	6.12	
For Heavy Duty IWRC Rating, Add	7.65	
For 7x19 Galvanized, Add	16.83	
05 15 16 00-0052 6x37 Class Bright, IPS, IWRC (05 15 16)		
05 15 16 00-0053 LF 1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	1.85	0.08
For <100, Add	0.61	
For >500 To 1,000, Deduct	-0.09	
For >1,000 To 2,000, Deduct	-0.14	
For >2,000, Deduct	-0.19	
For XIPS Wire, Add	0.05	
05 15 16 00-0054 LF 5/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.21	0.08
For <100, Add	0.71	
For >500 To 1,000, Deduct	-0.11	
For >1,000 To 2,000, Deduct	-0.17	
For >2,000, Deduct	-0.22	
For XIPS Wire, Add	0.05	
05 15 16 00-0055 LF 3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.66	0.16
For <100, Add	0.85	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.20	
For >2,000, Deduct	-0.27	
For XIPS Wire, Add	0.06	
05 15 16 00-0056 LF 7/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.07	0.16
For <100, Add	0.96	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.23	
For >2,000, Deduct	-0.31	
For XIPS Wire, Add	0.07	
05 15 16 00-0057 LF 1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.58	0.25
For <100, Add	1.10	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.27	
For >2,000, Deduct	-0.36	
For XIPS Wire, Add	0.09	
05 15 16 00-0058 LF 9/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.14	0.33
For <100, Add	1.25	
For >500 To 1,000, Deduct	-0.21	
For >1,000 To 2,000, Deduct	-0.31	
For >2,000, Deduct	-0.41	
For XIPS Wire, Add	0.10	
05 15 16 00-0059 LF 5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.72	0.33
For <100, Add	1.41	
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 2,000, Deduct	-0.35	
For >2,000, Deduct	-0.47	
For XIPS Wire, Add	0.11	
05 15 16 00-0060 LF 3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	6.31	0.58
For <100, Add	1.86	
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 2,000, Deduct	-0.47	
For >2,000, Deduct	-0.63	
For XIPS Wire, Add	0.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0061 LF 7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	8.15	0.66
For <100, Add	2.38	
For >500 To 1,000, Deduct	-0.41	
For >1,000 To 2,000, Deduct	-0.61	
For >2,000, Deduct	-0.82	
For XIPS Wire, Add	0.19	
05 15 16 00-0062 LF 1" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	10.26	0.92
For <100, Add	2.98	
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 2,000, Deduct	-0.77	
For >2,000, Deduct	-1.03	
For XIPS Wire, Add	0.24	
05 15 16 00-0063 LF 1-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	12.73	1.17
For <100, Add	3.66	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 2,000, Deduct	-0.95	
For >2,000, Deduct	-1.27	
For XIPS Wire, Add	0.30	
05 15 16 00-0064 LF 1-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	15.17	1.41
For <100, Add	4.36	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.14	
For >2,000, Deduct	-1.52	
For XIPS Wire, Add	0.36	
05 15 16 00-0065 LF 1-3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	17.99	1.74
For <100, Add	5.13	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.35	
For >2,000, Deduct	-1.80	
For XIPS Wire, Add	0.42	
05 15 16 00-0066 LF 1-1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	21.41	2.07
For <100, Add	6.11	
For >500 To 1,000, Deduct	-1.07	
For >1,000 To 2,000, Deduct	-1.61	
For >2,000, Deduct	-2.14	
For XIPS Wire, Add	0.50	
05 15 16 00-0067 LF 1-5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	25.70	2.50
For <100, Add	7.33	
For >500 To 1,000, Deduct	-1.29	
For >1,000 To 2,000, Deduct	-1.93	
For >2,000, Deduct	-2.57	
For XIPS Wire, Add	0.60	
05 15 16 00-0068 LF 1-3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	34.25	4.08
For <100, Add	9.26	
For >500 To 1,000, Deduct	-1.71	
For >1,000 To 2,000, Deduct	-2.57	
For >2,000, Deduct	-3.43	
For XIPS Wire, Add	0.79	
05 15 16 00-0069 LF 1-7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	39.60	4.61
For <100, Add	10.78	
For >500 To 1,000, Deduct	-1.98	
For >1,000 To 2,000, Deduct	-2.97	
For >2,000, Deduct	-3.96	
For XIPS Wire, Add	0.91	
05 15 16 00-0070 LF 2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	45.16	5.31
For <100, Add	12.26	
For >500 To 1,000, Deduct	-2.26	
For >1,000 To 2,000, Deduct	-3.39	
For >2,000, Deduct	-4.52	
For XIPS Wire, Add	1.04	
05 15 16 00-0071 LF 2-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	50.93	5.94
For <100, Add	13.89	
For >500 To 1,000, Deduct	-2.55	
For >1,000 To 2,000, Deduct	-3.82	
For >2,000, Deduct	-5.09	
For XIPS Wire, Add	1.17	
05 15 16 00-0072 LF 2-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	57.48	6.65
For <100, Add	15.69	
For >500 To 1,000, Deduct	-2.87	
For >1,000 To 2,000, Deduct	-4.31	
For >2,000, Deduct	-5.75	
For XIPS Wire, Add	1.33	
05 15 16 00-0073 6x19 And 6x37 Swaged Wire Rope (05 15 16)		
05 15 16 00-0074 LF 1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	5.05	0.33
For <100, Add	1.55	
For >500 To 1,000, Deduct	-0.25	
For >1,000 To 2,000, Deduct	-0.38	
For >2,000, Deduct	-0.51	
05 15 16 00-0075 LF 9/16" Diameter 6x19 And 6x37 Swaged Wire Rope	5.67	0.33
For <100, Add	1.75	
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 2,000, Deduct	-0.43	
For >2,000, Deduct	-0.57	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0076	LF		5/8" Diameter 6x19 And 6x37 Swaged Wire Rope	7.01	0.41
			For <100, Add	2.17	
			For >500 To 1,000, Deduct	-0.35	
			For >1,000 To 2,000, Deduct	-0.53	
			For >2,000, Deduct	-0.70	
05 15 16 00-0077	LF		3/4" Diameter 6x19 And 6x37 Swaged Wire Rope	8.64	0.66
			For <100, Add	2.61	
			For >500 To 1,000, Deduct	-0.43	
			For >1,000 To 2,000, Deduct	-0.65	
			For >2,000, Deduct	-0.86	
05 15 16 00-0078	LF		7/8" Diameter 6x19 And 6x37 Swaged Wire Rope	10.75	0.84
			For <100, Add	3.21	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000 To 2,000, Deduct	-0.81	
			For >2,000, Deduct	-1.08	
05 15 16 00-0079	LF		1" Diameter 6x19 And 6x37 Swaged Wire Rope	13.29	1.08
			For <100, Add	3.91	
			For >500 To 1,000, Deduct	-0.66	
			For >1,000 To 2,000, Deduct	-1.00	
			For >2,000, Deduct	-1.33	
05 15 16 00-0080	LF		1-1/8" Diameter 6x19 And 6x37 Swaged Wire Rope	16.71	1.41
			For <100, Add	4.91	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000 To 2,000, Deduct	-1.25	
			For >2,000, Deduct	-1.67	
05 15 16 00-0081	LF		1-1/4" Diameter 6x19 And 6x37 Swaged Wire Rope	19.97	1.74
			For <100, Add	5.84	
			For >500 To 1,000, Deduct	-1.00	
			For >1,000 To 2,000, Deduct	-1.50	
			For >2,000, Deduct	-2.00	
05 15 16 00-0082	LF		1-3/8" Diameter 6x19 And 6x37 Swaged Wire Rope	23.44	2.07
			For <100, Add	6.81	
			For >500 To 1,000, Deduct	-1.17	
			For >1,000 To 2,000, Deduct	-1.76	
			For >2,000, Deduct	-2.34	
05 15 16 00-0083	LF		1-1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	31.66	3.55
			For <100, Add	8.72	
			For >500 To 1,000, Deduct	-1.58	
			For >1,000 To 2,000, Deduct	-2.37	
			For >2,000, Deduct	-3.17	
05 15 16 00-0084			Flattened Strand Wire Rope, IPS, Fiber Core (05 15 16)		
05 15 16 00-0085	LF		5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	6.50	0.33
			For <100, Add	2.04	
			For >500 To 1,000, Deduct	-0.33	
			For >1,000 To 2,000, Deduct	-0.49	
			For >2,000, Deduct	-0.65	
05 15 16 00-0086	LF		3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	8.79	0.50
			For <100, Add	2.74	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000 To 2,000, Deduct	-0.66	
			For >2,000, Deduct	-0.88	
05 15 16 00-0087	LF		7/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	11.12	0.66
			For <100, Add	3.43	
			For >500 To 1,000, Deduct	-0.56	
			For >1,000 To 2,000, Deduct	-0.83	
			For >2,000, Deduct	-1.11	
05 15 16 00-0088	LF		1" Diameter Flattened Strand Wire Rope IPS, Fiber Core	13.61	0.92
			For <100, Add	4.17	
			For >500 To 1,000, Deduct	-0.68	
			For >1,000 To 2,000, Deduct	-1.02	
			For >2,000, Deduct	-1.36	
05 15 16 00-0089	LF		1-1/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	16.49	1.17
			For <100, Add	5.01	
			For >500 To 1,000, Deduct	-0.82	
			For >1,000 To 2,000, Deduct	-1.24	
			For >2,000, Deduct	-1.65	
05 15 16 00-0090	LF		1-1/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	19.96	1.41
			For <100, Add	6.05	
			For >500 To 1,000, Deduct	-1.00	
			For >1,000 To 2,000, Deduct	-1.50	
			For >2,000, Deduct	-2.00	
05 15 16 00-0091	LF		1-3/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	24.07	1.66
			For <100, Add	7.30	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000 To 2,000, Deduct	-1.81	
			For >2,000, Deduct	-2.41	
05 15 16 00-0092	LF		1-1/2" Diameter Flattened Strand Wire Rope IPS, Fiber Core	29.51	2.07
			For <100, Add	8.97	
			For >500 To 1,000, Deduct	-1.48	
			For >1,000 To 2,000, Deduct	-2.21	
			For >2,000, Deduct	-2.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0093 LF 1-5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core.....	35.22	2.41
<i>For <100, Add</i>	10.75	
<i>For >500 To 1,000, Deduct</i>	-1.76	
<i>For >1,000 To 2,000, Deduct</i>	-2.64	
<i>For >2,000, Deduct</i>	-3.52	
05 15 16 00-0094 LF 1-3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core.....	45.21	3.90
<i>For <100, Add</i>	13.25	
<i>For >500 To 1,000, Deduct</i>	-2.26	
<i>For >1,000 To 2,000, Deduct</i>	-3.39	
<i>For >2,000, Deduct</i>	-4.52	
05 15 16 00-0095 Flattened Strand Wire Rope, XIP, IWRC <small>(05 15 16)</small>		
05 15 16 00-0096 LF 5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	6.56	0.33
<i>For <100, Add</i>	2.05	
<i>For >500 To 1,000, Deduct</i>	-0.33	
<i>For >1,000 To 2,000, Deduct</i>	-0.49	
<i>For >2,000, Deduct</i>	-0.66	
05 15 16 00-0097 LF 3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	8.87	0.58
<i>For <100, Add</i>	2.75	
<i>For >500 To 1,000, Deduct</i>	-0.44	
<i>For >1,000 To 2,000, Deduct</i>	-0.67	
<i>For >2,000, Deduct</i>	-0.89	
05 15 16 00-0098 LF 7/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	11.24	0.74
<i>For <100, Add</i>	3.45	
<i>For >500 To 1,000, Deduct</i>	-0.56	
<i>For >1,000 To 2,000, Deduct</i>	-0.84	
<i>For >2,000, Deduct</i>	-1.12	
05 15 16 00-0099 LF 1" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	13.76	0.92
<i>For <100, Add</i>	4.19	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.03	
<i>For >2,000, Deduct</i>	-1.38	
05 15 16 00-0100 LF 1-1/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	16.65	1.17
<i>For <100, Add</i>	5.03	
<i>For >500 To 1,000, Deduct</i>	-0.83	
<i>For >1,000 To 2,000, Deduct</i>	-1.25	
<i>For >2,000, Deduct</i>	-1.67	
05 15 16 00-0101 LF 1-1/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	20.19	1.50
<i>For <100, Add</i>	6.08	
<i>For >500 To 1,000, Deduct</i>	-1.01	
<i>For >1,000 To 2,000, Deduct</i>	-1.51	
<i>For >2,000, Deduct</i>	-2.02	
05 15 16 00-0102 LF 1-3/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	24.37	1.83
<i>For <100, Add</i>	7.34	
<i>For >500 To 1,000, Deduct</i>	-1.22	
<i>For >1,000 To 2,000, Deduct</i>	-1.83	
<i>For >2,000, Deduct</i>	-2.44	
05 15 16 00-0103 LF 1-1/2" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	29.79	2.16
<i>For <100, Add</i>	9.01	
<i>For >500 To 1,000, Deduct</i>	-1.49	
<i>For >1,000 To 2,000, Deduct</i>	-2.23	
<i>For >2,000, Deduct</i>	-2.98	
05 15 16 00-0104 LF 1-5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	39.13	3.55
<i>For <100, Add</i>	11.33	
<i>For >500 To 1,000, Deduct</i>	-1.96	
<i>For >1,000 To 2,000, Deduct</i>	-2.93	
<i>For >2,000, Deduct</i>	-3.91	
05 15 16 00-0105 LF 1-3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	46.51	4.25
<i>For <100, Add</i>	13.44	
<i>For >500 To 1,000, Deduct</i>	-2.33	
<i>For >1,000 To 2,000, Deduct</i>	-3.49	
<i>For >2,000, Deduct</i>	-4.65	
05 15 16 00-0106 5x19 Coated Wire Rope, Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0107 LF 9/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	4.78	0.08
<i>For <100, Add</i>	1.60	
<i>For >500 To 1,000, Deduct</i>	-0.24	
<i>For >1,000 To 2,000, Deduct</i>	-0.36	
<i>For >2,000, Deduct</i>	-0.48	
05 15 16 00-0108 LF 5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	5.37	0.16
<i>For <100, Add</i>	1.79	
<i>For >500 To 1,000, Deduct</i>	-0.27	
<i>For >1,000 To 2,000, Deduct</i>	-0.40	
<i>For >2,000, Deduct</i>	-0.54	
05 15 16 00-0109 LF 11/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	5.83	0.16
<i>For <100, Add</i>	1.92	
<i>For >500 To 1,000, Deduct</i>	-0.29	
<i>For >1,000 To 2,000, Deduct</i>	-0.44	
<i>For >2,000, Deduct</i>	-0.58	
05 15 16 00-0110 LF 3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	6.46	0.16
<i>For <100, Add</i>	2.12	
<i>For >500 To 1,000, Deduct</i>	-0.32	
<i>For >1,000 To 2,000, Deduct</i>	-0.48	
<i>For >2,000, Deduct</i>	-0.65	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0111	LF		13/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.15	0.25
			<i>For <100, Add</i>	2.33	
			<i>For >500 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000 To 2,000, Deduct</i>	-0.54	
			<i>For >2,000, Deduct</i>	-0.72	
05 15 16 00-0112	LF		7/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.77	0.33
			<i>For <100, Add</i>	2.51	
			<i>For >500 To 1,000, Deduct</i>	-0.39	
			<i>For >1,000 To 2,000, Deduct</i>	-0.58	
			<i>For >2,000, Deduct</i>	-0.78	
05 15 16 00-0113	LF		1" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	9.43	0.41
			<i>For <100, Add</i>	3.02	
			<i>For >500 To 1,000, Deduct</i>	-0.47	
			<i>For >1,000 To 2,000, Deduct</i>	-0.71	
			<i>For >2,000, Deduct</i>	-0.94	
05 15 16 00-0114	LF		1-1/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	11.57	0.58
			<i>For <100, Add</i>	3.68	
			<i>For >500 To 1,000, Deduct</i>	-0.58	
			<i>For >1,000 To 2,000, Deduct</i>	-0.87	
			<i>For >2,000, Deduct</i>	-1.16	
05 15 16 00-0115	LF		1-1/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	13.63	0.66
			<i>For <100, Add</i>	4.33	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000 To 2,000, Deduct</i>	-1.02	
			<i>For >2,000, Deduct</i>	-1.36	
05 15 16 00-0116	LF		1-3/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	16.30	0.84
			<i>For <100, Add</i>	5.14	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000 To 2,000, Deduct</i>	-1.22	
			<i>For >2,000, Deduct</i>	-1.63	
05 15 16 00-0117	LF		1-1/2" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	19.12	1.08
			<i>For <100, Add</i>	5.99	
			<i>For >500 To 1,000, Deduct</i>	-0.96	
			<i>For >1,000 To 2,000, Deduct</i>	-1.43	
			<i>For >2,000, Deduct</i>	-1.91	
05 15 16 00-0118	LF		1-5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	22.51	1.33
			<i>For <100, Add</i>	7.01	
			<i>For >500 To 1,000, Deduct</i>	-1.13	
			<i>For >1,000 To 2,000, Deduct</i>	-1.69	
			<i>For >2,000, Deduct</i>	-2.25	
05 15 16 00-0119	LF		1-3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	26.89	1.58
			<i>For <100, Add</i>	8.37	
			<i>For >500 To 1,000, Deduct</i>	-1.34	
			<i>For >1,000 To 2,000, Deduct</i>	-2.02	
			<i>For >2,000, Deduct</i>	-2.69	
05 15 16 00-0120			19x7 Rotation Resistant Wire Rope, IPS <small>(05 15 16)</small>		
05 15 16 00-0121	LF		3/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.45	0.08
			<i>For <100, Add</i>	0.47	
			<i>For >500 To 1,000, Deduct</i>	-0.07	
			<i>For >1,000 To 2,000, Deduct</i>	-0.11	
			<i>For >2,000, Deduct</i>	-0.15	
05 15 16 00-0122	LF		1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.71	0.08
			<i>For <100, Add</i>	0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.13	
			<i>For >2,000, Deduct</i>	-0.17	
05 15 16 00-0123	LF		5/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.14	0.08
			<i>For <100, Add</i>	0.69	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.16	
			<i>For >2,000, Deduct</i>	-0.21	
05 15 16 00-0124	LF		3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.39	0.16
			<i>For <100, Add</i>	0.75	
			<i>For >500 To 1,000, Deduct</i>	-0.12	
			<i>For >1,000 To 2,000, Deduct</i>	-0.18	
			<i>For >2,000, Deduct</i>	-0.24	
05 15 16 00-0125	LF		7/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.81	0.16
			<i>For <100, Add</i>	0.87	
			<i>For >500 To 1,000, Deduct</i>	-0.14	
			<i>For >1,000 To 2,000, Deduct</i>	-0.21	
			<i>For >2,000, Deduct</i>	-0.28	
05 15 16 00-0126	LF		1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.04	0.16
			<i>For <100, Add</i>	0.95	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.30	
05 15 16 00-0127	LF		9/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.71	0.33
			<i>For <100, Add</i>	1.10	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000 To 2,000, Deduct</i>	-0.28	
			<i>For >2,000, Deduct</i>	-0.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0128 LF 5/8" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.41 1.31 -0.22 -0.33 -0.44	0.33
05 15 16 00-0129 LF 3/4" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	6.41 1.91 -0.32 -0.48 -0.64	0.50
05 15 16 00-0130 LF 7/8" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	8.34 2.46 -0.42 -0.63 -0.83	0.66
05 15 16 00-0131 LF 1" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	10.42 3.04 -0.52 -0.78 -1.04	0.92
05 15 16 00-0132 LF 1-1/8" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	12.77 3.70 -0.64 -0.96 -1.28	1.17
05 15 16 00-0133 LF 1-1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	15.40 4.44 -0.77 -1.16 -1.54	1.41
05 15 16 00-0134 LF 1-3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	18.27 5.25 -0.91 -1.37 -1.83	1.74
05 15 16 00-0135 LF 1-1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	21.21 6.07 -1.06 -1.59 -2.12	2.07
05 15 16 00-0136 8x19 Class Bright, Rotation Resistant, XIPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0137 LF 3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.54 0.80 -0.13 -0.19 -0.25	0.16
05 15 16 00-0138 LF 7/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.98 0.93 -0.15 -0.22 -0.30	0.16
05 15 16 00-0139 LF 1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.44 1.05 -0.17 -0.26 -0.34	0.25
05 15 16 00-0140 LF 9/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.03 1.21 -0.20 -0.30 -0.40	0.33
05 15 16 00-0141 LF 5/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.69 1.40 -0.23 -0.35 -0.47	0.33
05 15 16 00-0142 LF 3/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	6.65 1.97 -0.33 -0.50 -0.67	0.58
05 15 16 00-0143 LF 7/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	8.77 2.59 -0.44 -0.66 -0.88	0.66
05 15 16 00-0144 LF 1" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	11.01 3.23 -0.55 -0.83 -1.10	0.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0145 LF 1-1/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	13.44	1.17
For <100, Add	3.91	
For >500 To 1,000, Deduct	-0.67	
For >1,000 To 2,000, Deduct	-1.01	
For >2,000, Deduct	-1.34	
05 15 16 00-0146 LF 1-1/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	16.05	1.41
For <100, Add	4.64	
For >500 To 1,000, Deduct	-0.80	
For >1,000 To 2,000, Deduct	-1.20	
For >2,000, Deduct	-1.61	
05 15 16 00-0147 LF 1-3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	19.39	1.83
For <100, Add	5.60	
For >500 To 1,000, Deduct	-0.97	
For >1,000 To 2,000, Deduct	-1.45	
For >2,000, Deduct	-1.94	
05 15 16 00-0148 LF 1-1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	23.17	2.16
For <100, Add	6.67	
For >500 To 1,000, Deduct	-1.16	
For >1,000 To 2,000, Deduct	-1.74	
For >2,000, Deduct	-2.32	
05 15 16 00-0149 Heavy Duty Galvanized Wire Rope Thimbles (05 15 16)		
05 15 16 00-0150 EA 1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.14	2.50
05 15 16 00-0151 EA 5/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.68	2.50
05 15 16 00-0152 EA 3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	10.29	2.50
05 15 16 00-0153 EA 7/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	11.79	2.50
05 15 16 00-0154 EA 1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	11.88	2.50
05 15 16 00-0155 EA 9/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	11.88	2.50
05 15 16 00-0156 EA 5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.39	2.50
05 15 16 00-0157 EA 3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	21.23	3.83
05 15 16 00-0158 EA 7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	25.37	4.65
05 15 16 00-0159 EA 1" Diameter Heavy Duty Galvanized Wire Rope Thimbles	43.62	7.64
05 15 16 00-0160 EA 1-1/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	61.47	10.38
05 15 16 00-0161 EA 1-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	63.80	10.38
05 15 16 00-0162 EA 1-3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	127.86	21.68
05 15 16 00-0163 EA 1-1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	183.21	31.15
05 15 16 00-0164 EA 1-5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	274.16	34.88
05 15 16 00-0165 EA 1-3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	323.44	41.53
05 15 16 00-0166 EA 1-7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	424.60	52.33
05 15 16 00-0167 EA 2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	443.49	52.33
05 15 16 00-0168 EA 2-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	637.51	83.07
05 15 16 00-0169 Galvanized Wire Rope Clips (05 15 16)		
05 15 16 00-0170 EA 1/8" Diameter Galvanized Wire Rope Clips	10.89	2.50
05 15 16 00-0171 EA 3/16" Diameter Galvanized Wire Rope Clips	11.09	2.50
05 15 16 00-0172 EA 1/4" Diameter Galvanized Wire Rope Clips	12.23	2.50
05 15 16 00-0173 EA 5/16" Diameter Galvanized Wire Rope Clips	12.36	2.50
05 15 16 00-0174 EA 3/8" Diameter Galvanized Wire Rope Clips	12.65	2.50
05 15 16 00-0175 EA 7/16" Diameter Galvanized Wire Rope Clips	15.20	2.50
05 15 16 00-0176 EA 1/2" Diameter Galvanized Wire Rope Clips	15.20	2.50
05 15 16 00-0177 EA 9/16" Diameter Galvanized Wire Rope Clips	17.33	2.50
05 15 16 00-0178 EA 5/8" Diameter Galvanized Wire Rope Clips	17.33	2.50
05 15 16 00-0179 EA 3/4" Diameter Galvanized Wire Rope Clips	24.17	3.32
05 15 16 00-0180 EA 7/8" Diameter Galvanized Wire Rope Clips	36.56	4.98
05 15 16 00-0181 EA 1" Diameter Galvanized Wire Rope Clips	39.56	4.98
05 15 16 00-0182 EA 1-1/8" Diameter Galvanized Wire Rope Clips	47.36	6.64
05 15 16 00-0183 EA 1-1/4" Diameter Galvanized Wire Rope Clips	69.45	9.97
05 15 16 00-0184 EA 1-3/8" Diameter Galvanized Wire Rope Clips	84.04	10.80
05 15 16 00-0185 EA 1-1/2" Diameter Galvanized Wire Rope Clips	91.91	12.46
05 15 16 00-0186 EA 1-5/8" Diameter Galvanized Wire Rope Clips	135.04	15.79
05 15 16 00-0187 EA 1-3/4" Diameter Galvanized Wire Rope Clips	179.80	20.77
05 15 16 00-0188 EA 2" Diameter Galvanized Wire Rope Clips	218.87	27.41
05 15 16 00-0189 EA 2-1/4" Diameter Galvanized Wire Rope Clips	293.18	34.88
05 15 16 00-0190 EA 2-1/2" Diameter Galvanized Wire Rope Clips	326.21	38.21
05 15 16 00-0191 EA 2-3/4" Diameter Galvanized Wire Rope Clips	465.45	46.51
05 15 16 00-0192 EA 3" Diameter Galvanized Wire Rope Clips	623.00	68.94
05 15 16 00-0193 Open Swage Sockets (05 15 16)		
05 15 16 00-0194 EA 1/4" Diameter Open Swage Sockets	50.36	2.50
05 15 16 00-0195 EA 5/16" Diameter Open Swage Sockets	61.69	2.50
05 15 16 00-0196 EA 3/8" Diameter Open Swage Sockets	64.98	3.32
05 15 16 00-0197 EA 7/16" Diameter Open Swage Sockets	78.43	4.16
05 15 16 00-0198 EA 1/2" Diameter Open Swage Sockets	78.43	4.16
05 15 16 00-0199 EA 9/16" Diameter Open Swage Sockets	120.77	9.14
05 15 16 00-0200 EA 5/8" Diameter Open Swage Sockets	120.77	9.14
05 15 16 00-0201 EA 3/4" Diameter Open Swage Sockets	164.06	17.45
05 15 16 00-0202 EA 7/8" Diameter Open Swage Sockets	222.88	24.92
05 15 16 00-0203 EA 1" Diameter Open Swage Sockets	319.38	38.21
05 15 16 00-0204 EA 1-1/8" Diameter Open Swage Sockets	438.80	59.80



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 15 16 00-0205	EA		1-1/4" Diameter Open Swage Sockets	511.69	68.94
	05 15 16 00-0206	EA		1-3/8" Diameter Open Swage Sockets	685.46	91.37
	05 15 16 00-0207	EA		1-1/2" Diameter Open Swage Sockets	988.88	116.29
	05 15 16 00-0208	EA		1-3/4" Diameter Open Swage Sockets	1,467.18	141.21
	05 15 16 00-0209	EA		2" Diameter Open Swage Sockets.....	2,488.23	274.11
05 15 16 00-0210				Closed Swage Sockets <small>(05 15 16)</small>		
	05 15 16 00-0211	EA		1/4" Diameter Closed Swage Sockets	32.84	2.50
	05 15 16 00-0212	EA		5/16" Diameter Closed Swage Sockets.....	43.12	2.50
	05 15 16 00-0213	EA		3/8" Diameter Closed Swage Sockets	50.87	2.50
	05 15 16 00-0214	EA		7/16" Diameter Closed Swage Sockets	54.43	3.32
	05 15 16 00-0215	EA		1/2" Diameter Closed Swage Sockets	60.03	3.32
	05 15 16 00-0216	EA		9/16" Diameter Closed Swage Sockets	78.61	5.82
	05 15 16 00-0217	EA		5/8" Diameter Closed Swage Sockets	82.57	6.64
	05 15 16 00-0218	EA		3/4" Diameter Closed Swage Sockets	105.75	10.80
	05 15 16 00-0219	EA		7/8" Diameter Closed Swage Sockets	140.43	15.79
	05 15 16 00-0220	EA		1" Diameter Closed Swage Sockets	200.89	21.59
	05 15 16 00-0221	EA		1-1/8" Diameter Closed Swage Sockets	253.47	29.90
	05 15 16 00-0222	EA		1-1/4" Diameter Closed Swage Sockets	354.35	46.51
	05 15 16 00-0223	EA		1-3/8" Diameter Closed Swage Sockets	464.38	59.80
	05 15 16 00-0224	EA		1-1/2" Diameter Closed Swage Sockets	640.10	83.07
	05 15 16 00-0225	EA		1-3/4" Diameter Closed Swage Sockets	869.69	107.98
	05 15 16 00-0226	EA		2" Diameter Closed Swage Sockets	1,549.75	166.12
05 15 16 00-0227				Open Spelter Sockets Galvanized <small>(05 15 16)</small>		
	05 15 16 00-0228	EA		1/4" Open Spelter Sockets, Galvanized.....	53.79	2.50
	05 15 16 00-0229	EA		5/16" Open Spelter Sockets, Galvanized.....	56.54	2.50
	05 15 16 00-0230	EA		3/8" Open Spelter Sockets, Galvanized.....	61.57	2.50
	05 15 16 00-0231	EA		7/16" Open Spelter Sockets, Galvanized.....	67.01	4.98
	05 15 16 00-0232	EA		1/2" Open Spelter Sockets, Galvanized.....	72.32	4.98
	05 15 16 00-0233	EA		9/16" Open Spelter Sockets, Galvanized.....	92.64	8.31
	05 15 16 00-0234	EA		5/8" Open Spelter Sockets, Galvanized.....	99.16	8.31
	05 15 16 00-0235	EA		3/4" Open Spelter Sockets, Galvanized.....	122.31	12.46
	05 15 16 00-0236	EA		7/8" Open Spelter Sockets, Galvanized.....	187.15	20.77
	05 15 16 00-0237	EA		1" Open Spelter Sockets, Galvanized.....	326.14	32.40
	05 15 16 00-0238	EA		1-1/8" Open Spelter Sockets, Galvanized.....	416.78	52.33
	05 15 16 00-0239	EA		1-1/4" Open Spelter Sockets, Galvanized.....	560.23	68.94
	05 15 16 00-0240	EA		1-3/8" Open Spelter Sockets, Galvanized.....	591.49	68.94
	05 15 16 00-0241	EA		1-1/2" Open Spelter Sockets, Galvanized.....	971.76	91.37
	05 15 16 00-0242	EA		1-5/8" Open Spelter Sockets, Galvanized.....	1,152.80	116.29
	05 15 16 00-0243	EA		1-3/4" Open Spelter Sockets, Galvanized.....	1,744.27	182.73
	05 15 16 00-0244	EA		1-7/8" Open Spelter Sockets, Galvanized.....	1,856.48	182.73
	05 15 16 00-0245	EA		2" Open Spelter Sockets, Galvanized.....	2,288.16	274.11
	05 15 16 00-0246	EA		2-1/8" Open Spelter Sockets, Galvanized.....	2,417.26	274.11
	05 15 16 00-0247	EA		2-1/2" Open Spelter Sockets, Galvanized.....	2,982.52	348.86
	05 15 16 00-0248	EA		2-3/8" Open Spelter Sockets, Galvanized.....	3,158.44	348.86
05 15 16 00-0249				Closed Spelter Sockets Galvanized <small>(05 15 16)</small>		
	05 15 16 00-0250	EA		1/4" Closed Spelter Sockets, Galvanized	45.76	2.50
	05 15 16 00-0251	EA		5/16" Closed Spelter Sockets, Galvanized	46.22	2.50
	05 15 16 00-0252	EA		3/8" Closed Spelter Sockets, Galvanized	50.36	2.50
	05 15 16 00-0253	EA		7/16" Closed Spelter Sockets, Galvanized	54.91	4.16
	05 15 16 00-0254	EA		1/2" Closed Spelter Sockets, Galvanized	59.27	4.16
	05 15 16 00-0255	EA		9/16" Closed Spelter Sockets, Galvanized	81.26	7.48
	05 15 16 00-0256	EA		5/8" Closed Spelter Sockets, Galvanized.....	87.08	7.48
	05 15 16 00-0257	EA		3/4" Closed Spelter Sockets, Galvanized	104.26	10.80
	05 15 16 00-0258	EA		7/8" Closed Spelter Sockets, Galvanized	154.00	16.61
	05 15 16 00-0259	EA		1" Closed Spelter Sockets, Galvanized	234.01	25.75
	05 15 16 00-0260	EA		1-1/8" Closed Spelter Sockets, Galvanized	327.91	34.88
	05 15 16 00-0261	EA		1-1/4" Closed Spelter Sockets, Galvanized	392.95	46.51
	05 15 16 00-0262	EA		1-3/8" Closed Spelter Sockets, Galvanized	416.05	46.51
	05 15 16 00-0263	EA		1-1/2" Closed Spelter Sockets, Galvanized	685.02	59.80
	05 15 16 00-0264	EA		1-5/8" Closed Spelter Sockets, Galvanized	808.31	75.59
	05 15 16 00-0265	EA		1-3/4" Closed Spelter Sockets, Galvanized	1,056.47	116.29
	05 15 16 00-0266	EA		1-7/8" Closed Spelter Sockets, Galvanized	1,121.44	116.29
	05 15 16 00-0267	EA		2" Closed Spelter Sockets, Galvanized	1,382.34	166.12
	05 15 16 00-0268	EA		2-1/8" Closed Spelter Sockets, Galvanized	1,461.44	166.12
	05 15 16 00-0269	EA		2-1/2" Closed Spelter Sockets, Galvanized	1,783.73	224.27
	05 15 16 00-0270	EA		2-3/8" Closed Spelter Sockets, Galvanized	2,193.67	224.27
05 15 16 00-0271				Jaw And Jaw, Forged Steel Turnbuckles <small>(05 15 16)</small>		
	05 15 16 00-0272	EA		1/4" x 4", Jaw And Jaw, Forged Steel Turnbuckle	15.61	2.50
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.10	
	05 15 16 00-0273	EA		5/16" x 4-1/2", Jaw And Jaw, Forged Steel Turnbuckle	16.91	2.50
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.29	
	05 15 16 00-0274	EA		3/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle	21.89	2.50
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.04	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0275 EA 1/2" x 6", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	30.25 -2.44	3.32
05 15 16 00-0276 EA 1/2" x 9", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	34.67 -2.60	4.16
05 15 16 00-0277 EA 1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	45.48 -3.82	4.98
05 15 16 00-0278 EA 5/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	53.30 -4.16	6.64
05 15 16 00-0279 EA 5/8" x 9", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	64.94 -5.59	6.64
05 15 16 00-0280 EA 5/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	62.74 -4.96	7.48
05 15 16 00-0281 EA 3/4" x 6", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	69.18 -5.07	9.14
05 15 16 00-0282 EA 3/4" x 9", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	82.09 -5.76	10.80
05 15 16 00-0283 EA 3/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	88.74 -6.19	11.63
05 15 16 00-0284 EA 3/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	110.85 -8.04	14.12
05 15 16 00-0285 EA 7/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	166.99 -13.18	19.93
05 15 16 00-0286 EA 7/8" x 18", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	195.99 -15.56	23.26
05 15 16 00-0287 EA 1" x 6", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	174.51 -14.31	19.93
05 15 16 00-0288 EA 1" x 12", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	201.97 -14.72	25.75
05 15 16 00-0289 EA 1" x 18", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	250.16 -18.36	32.40
05 15 16 00-0290 EA 1" x 24", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	391.44 -36.06	38.21
05 15 16 00-0291 EA 1-1/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	351.88 -25.09	46.51
05 15 16 00-0292 EA 1-1/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	412.55 -30.74	52.33
05 15 16 00-0293 EA 1-1/4" x 24", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	527.26 -43.49	59.80
05 15 16 00-0294 EA 1-1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	556.62 -45.16	63.96
05 15 16 00-0295 EA 1-1/2" x 18", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	651.80 -47.93	83.07
05 15 16 00-0296 EA 1-1/2" x 24", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	871.27 -68.39	107.98
05 15 16 00-0297 EA 2" x 24", Jaw And Jaw, Forged Steel Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,764.78 -140.12	207.65
05 15 16 00-0298 Forged Steel Eye Bolts (05 15 16)		
05 15 16 00-0299 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Eye Bolt	17.10	
05 15 16 00-0300 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Eye Bolt	24.83	
05 15 16 00-0301 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Eye Bolt	25.46	
05 15 16 00-0302 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Eye Bolt	33.40	
05 15 16 00-0303 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Eye Bolt	45.79	
05 15 16 00-0304 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Eye Bolt	53.21	
05 15 16 00-0305 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Eye Bolt	62.31	
05 15 16 00-0306 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Eye Bolt	78.19	
05 15 16 00-0307 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Eye Bolt	106.02	
05 15 16 00-0308 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Eye Bolt	147.02	
05 15 16 00-0309 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Eye Bolt	186.31	
05 15 16 00-0310 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Eye Bolt	234.05	
05 15 16 00-0311 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Eye Bolt	300.91	
05 15 16 00-0312 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Eye Bolt	435.23	
05 15 19 Stainless-Steel Wire Rope Assemblies (05 15)		
05 15 19 00-0001 7x7 Class 304 Stainless Steel (05 15 19)		
05 15 19 00-0002 LF 3/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.41	0.06
For <100, Add	0.12	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.03	
For >2,000, Deduct	-0.04	
For 316 Stainless Steel, Add	0.10	
05 15 19 00-0003 LF 1/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.46	0.06
For <100, Add	0.14	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.03	
For >2,000, Deduct	-0.05	
For 316 Stainless Steel, Add	0.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0004	LF		5/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.57	0.07
			<i>For <100, Add</i>	<i>0.17</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.03</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.04</i>	
			<i>For >2,000, Deduct</i>	<i>-0.06</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>0.15</i>	
05 15 19 00-0005	LF		3/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.68	0.07
			<i>For <100, Add</i>	<i>0.21</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.03</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.05</i>	
			<i>For >2,000, Deduct</i>	<i>-0.07</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>0.18</i>	
05 15 19 00-0006	LF		1/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.87	0.07
			<i>For <100, Add</i>	<i>0.27</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.04</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.07</i>	
			<i>For >2,000, Deduct</i>	<i>-0.09</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>0.24</i>	
05 15 19 00-0007	LF		5/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.40	0.08
			<i>For <100, Add</i>	<i>0.45</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.07</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.11</i>	
			<i>For >2,000, Deduct</i>	<i>-0.14</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>0.41</i>	
05 15 19 00-0008	LF		3/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.59	0.08
			<i>For <100, Add</i>	<i>0.51</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.08</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.12</i>	
			<i>For >2,000, Deduct</i>	<i>-0.16</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>0.47</i>	
05 15 19 00-0009	LF		1/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.20	0.08
			<i>For <100, Add</i>	<i>0.73</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.11</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.17</i>	
			<i>For >2,000, Deduct</i>	<i>-0.22</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>0.68</i>	
05 15 19 00-0010	LF		5/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.76	0.08
			<i>For <100, Add</i>	<i>0.92</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.14</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.21</i>	
			<i>For >2,000, Deduct</i>	<i>-0.28</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>0.85</i>	
05 15 19 00-0011	LF		3/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.46	0.08
			<i>For <100, Add</i>	<i>1.14</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.17</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.26</i>	
			<i>For >2,000, Deduct</i>	<i>-0.35</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>1.06</i>	
05 15 19 00-0012	LF		7/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	4.20	0.16
			<i>For <100, Add</i>	<i>1.37</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.21</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.32</i>	
			<i>For >2,000, Deduct</i>	<i>-0.42</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>1.26</i>	
05 15 19 00-0013	LF		1/2" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	4.86	0.16
			<i>For <100, Add</i>	<i>1.58</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.24</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.36</i>	
			<i>For >2,000, Deduct</i>	<i>-0.49</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>1.44</i>	
05 15 19 00-0014	LF		9/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	5.83	0.25
			<i>For <100, Add</i>	<i>1.88</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.29</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.44</i>	
			<i>For >2,000, Deduct</i>	<i>-0.58</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>1.71</i>	
05 15 19 00-0015	LF		5/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	6.60	0.33
			<i>For <100, Add</i>	<i>2.11</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.33</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.50</i>	
			<i>For >2,000, Deduct</i>	<i>-0.66</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>1.91</i>	
05 15 19 00-0016	LF		3/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	8.75	0.41
			<i>For <100, Add</i>	<i>2.78</i>	
			<i>For >500 To 1,000, Deduct</i>	<i>-0.44</i>	
			<i>For >1,000 To 2,000, Deduct</i>	<i>-0.66</i>	
			<i>For >2,000, Deduct</i>	<i>-0.88</i>	
			<i>For 316 Stainless Steel, Add</i>	<i>2.50</i>	

05 15 19 00-0017 7x19 Class 304 Stainless Steel (05 15 19)

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0018	LF		1/4" Diameter 7x19 Class 304 Stainless Steel Wire Rope.....	3.65	0.08
			<i>For <100, Add</i>	1.24	
			<i>For >500 To 1,000, Deduct</i>	-0.18	
			<i>For >1,000 To 2,000, Deduct</i>	-0.27	
			<i>For >2,000, Deduct</i>	-0.37	
			<i>For 316 Stainless Steel, Add</i>	1.18	
05 15 19 00-0019	LF		5/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	4.19	0.08
			<i>For <100, Add</i>	1.41	
			<i>For >500 To 1,000, Deduct</i>	-0.21	
			<i>For >1,000 To 2,000, Deduct</i>	-0.31	
			<i>For >2,000, Deduct</i>	-0.42	
			<i>For 316 Stainless Steel, Add</i>	1.32	
05 15 19 00-0020	LF		3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	4.93	0.16
			<i>For <100, Add</i>	1.64	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000 To 2,000, Deduct</i>	-0.37	
			<i>For >2,000, Deduct</i>	-0.49	
			<i>For 316 Stainless Steel, Add</i>	1.53	
05 15 19 00-0021	LF		7/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.68	0.16
			<i>For <100, Add</i>	1.87	
			<i>For >500 To 1,000, Deduct</i>	-0.28	
			<i>For >1,000 To 2,000, Deduct</i>	-0.43	
			<i>For >2,000, Deduct</i>	-0.57	
			<i>For 316 Stainless Steel, Add</i>	1.73	
05 15 19 00-0022	LF		1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	6.48	0.25
			<i>For <100, Add</i>	2.11	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000 To 2,000, Deduct</i>	-0.49	
			<i>For >2,000, Deduct</i>	-0.65	
			<i>For 316 Stainless Steel, Add</i>	1.94	
05 15 19 00-0023	LF		9/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	7.56	0.33
			<i>For <100, Add</i>	2.45	
			<i>For >500 To 1,000, Deduct</i>	-0.38	
			<i>For >1,000 To 2,000, Deduct</i>	-0.57	
			<i>For >2,000, Deduct</i>	-0.76	
			<i>For 316 Stainless Steel, Add</i>	2.24	
05 15 19 00-0024	LF		5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	8.56	0.33
			<i>For <100, Add</i>	2.75	
			<i>For >500 To 1,000, Deduct</i>	-0.43	
			<i>For >1,000 To 2,000, Deduct</i>	-0.64	
			<i>For >2,000, Deduct</i>	-0.86	
			<i>For 316 Stainless Steel, Add</i>	2.50	
05 15 19 00-0025	LF		3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	12.04	0.58
			<i>For <100, Add</i>	3.86	
			<i>For >500 To 1,000, Deduct</i>	-0.60	
			<i>For >1,000 To 2,000, Deduct</i>	-0.90	
			<i>For >2,000, Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	3.50	
05 15 19 00-0026	LF		7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	15.79	0.66
			<i>For <100, Add</i>	5.05	
			<i>For >500 To 1,000, Deduct</i>	-0.79	
			<i>For >1,000 To 2,000, Deduct</i>	-1.18	
			<i>For >2,000, Deduct</i>	-1.58	
			<i>For 316 Stainless Steel, Add</i>	4.56	
05 15 19 00-0027	LF		1" Diameter 7x19 Class Stainless Steel Wire Rope.....	19.65	0.92
			<i>For <100, Add</i>	6.25	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000 To 2,000, Deduct</i>	-1.47	
			<i>For >2,000, Deduct</i>	-1.97	
			<i>For 316 Stainless Steel, Add</i>	5.62	
05 15 19 00-0028	LF		1-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	24.30	1.17
			<i>For <100, Add</i>	7.73	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000 To 2,000, Deduct</i>	-1.82	
			<i>For >2,000, Deduct</i>	-2.43	
			<i>For 316 Stainless Steel, Add</i>	6.94	
05 15 19 00-0029	LF		1-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	28.79	1.41
			<i>For <100, Add</i>	9.13	
			<i>For >500 To 1,000, Deduct</i>	-1.44	
			<i>For >1,000 To 2,000, Deduct</i>	-2.16	
			<i>For >2,000, Deduct</i>	-2.88	
			<i>For 316 Stainless Steel, Add</i>	8.18	
05 15 19 00-0030	LF		1-3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	34.81	1.74
			<i>For <100, Add</i>	11.02	
			<i>For >500 To 1,000, Deduct</i>	-1.74	
			<i>For >1,000 To 2,000, Deduct</i>	-2.61	
			<i>For >2,000, Deduct</i>	-3.48	
			<i>For 316 Stainless Steel, Add</i>	9.85	
05 15 19 00-0031	LF		1-1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	41.27	2.07
			<i>For <100, Add</i>	13.06	
			<i>For >500 To 1,000, Deduct</i>	-2.06	
			<i>For >1,000 To 2,000, Deduct</i>	-3.10	
			<i>For >2,000, Deduct</i>	-4.13	
			<i>For 316 Stainless Steel, Add</i>	11.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0032 LF 1-5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	49.36	2.41
<i>For <100, Add</i>	15.66	
<i>For >500 To 1,000, Deduct</i>	-2.47	
<i>For >1,000 To 2,000, Deduct</i>	-3.70	
<i>For >2,000, Deduct</i>	-4.94	
<i>For 316 Stainless Steel, Add</i>	14.03	
05 15 19 00-0033 LF 1-3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	61.87	4.08
<i>For <100, Add</i>	18.97	
<i>For >500 To 1,000, Deduct</i>	-3.09	
<i>For >1,000 To 2,000, Deduct</i>	-4.64	
<i>For >2,000, Deduct</i>	-6.19	
<i>For 316 Stainless Steel, Add</i>	16.47	
05 15 19 00-0034 LF 1-7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	71.13	4.61
<i>For <100, Add</i>	21.81	
<i>For >500 To 1,000, Deduct</i>	-3.56	
<i>For >1,000 To 2,000, Deduct</i>	-5.33	
<i>For >2,000, Deduct</i>	-7.11	
<i>For 316 Stainless Steel, Add</i>	18.94	
05 15 19 00-0035 LF 2" Diameter 7x19 Class Stainless Steel Wire Rope.....	81.64	5.31
<i>For <100, Add</i>	25.03	
<i>For >500 To 1,000, Deduct</i>	-4.08	
<i>For >1,000 To 2,000, Deduct</i>	-6.12	
<i>For >2,000, Deduct</i>	-8.16	
<i>For 316 Stainless Steel, Add</i>	21.73	
05 15 19 00-0036 LF 2-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	92.45	5.94
<i>For <100, Add</i>	28.42	
<i>For >500 To 1,000, Deduct</i>	-4.62	
<i>For >1,000 To 2,000, Deduct</i>	-6.93	
<i>For >2,000, Deduct</i>	-9.25	
<i>For 316 Stainless Steel, Add</i>	24.74	
05 15 19 00-0037 LF 2-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	105.12	6.65
<i>For <100, Add</i>	32.36	
<i>For >500 To 1,000, Deduct</i>	-5.26	
<i>For >1,000 To 2,000, Deduct</i>	-7.88	
<i>For >2,000, Deduct</i>	-10.51	
<i>For 316 Stainless Steel, Add</i>	28.21	

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)

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

05 21 19 00-0001 TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,127.70	138.36
<i>For Welded Cross Bridging, Add</i>	172.96	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	186.14	
05 21 19 00-0002 TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	1,952.84	129.72
<i>For Welded Cross Bridging, Add</i>	153.74	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	172.85	
05 21 19 00-0003 TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,357.65	129.72
<i>For Welded Cross Bridging, Add</i>	159.65	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	219.06	
05 21 19 00-0004 TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	2,682.18	129.72
<i>For Welded Cross Bridging, Add</i>	159.65	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	258.00	
05 21 19 00-0005 TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,361.42	129.72
<i>For Welded Cross Bridging, Add</i>	172.96	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	214.19	
05 21 19 00-0006 TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging.....	2,966.14	129.72
<i>For Welded Cross Bridging, Add</i>	159.65	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	292.08	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required, 07 22 16 00-0001 for roof insulation.

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

05 31 00 00-0002 SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.67	
<i>For Painted, Deduct</i>	-0.05	
<i>For Perforated Or Slotted, Add</i>	0.05	
<i>For Up To 100, Add</i>	0.80	
<i>For >100 To 500, Add</i>	0.38	
<i>For >500 To 1,500, Add</i>	0.18	
05 31 00 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.77	
<i>For Painted, Deduct</i>	-0.05	
<i>For Perforated Or Slotted, Add</i>	0.05	
<i>For Up To 100, Add</i>	0.84	
<i>For >100 To 500, Add</i>	0.40	
<i>For >500 To 1,500, Add</i>	0.19	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0004	SF		9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.98	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.46	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 00 00-0005	SF		9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.16	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 500, Add</i>	0.51	
			<i>For >500 To 1,500, Add</i>	0.25	
05 31 00 00-0006	SF		15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.98	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.86	
			<i>For >100 To 500, Add</i>	0.42	
			<i>For >500 To 1,500, Add</i>	0.19	
05 31 00 00-0007	SF		15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.08	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.91	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >500 To 1,500, Add</i>	0.20	
05 31 00 00-0008	SF		15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.20	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 00 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.37	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >500 To 1,500, Add</i>	0.25	
05 31 00 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.50	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	1.17	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >500 To 1,500, Add</i>	0.26	
05 31 00 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.71	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.23	
			<i>For >100 To 500, Add</i>	0.59	
			<i>For >500 To 1,500, Add</i>	0.27	
05 31 00 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.08	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.33	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >500 To 1,500, Add</i>	0.29	
05 31 00 00-0013	SF		1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.42	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.50	
			<i>For >100 To 500, Add</i>	0.73	
			<i>For >500 To 1,500, Add</i>	0.32	
05 31 00 00-0014			Open Ribbed Galvanized Steel Deck <small>(05 31)</small>		
05 31 00 00-0015	SF		1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.22	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.62	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.50	
			<i>For >500 To 1,500, Add</i>	0.24	
05 31 00 00-0016	SF		1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.55	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.72	
			<i>For Up To 100, Add</i>	1.25	
			<i>For >100 To 500, Add</i>	0.59	
			<i>For >500 To 1,500, Add</i>	0.28	
05 31 00 00-0017	SF		1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.17	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.89	
			<i>For Up To 100, Add</i>	1.51	
			<i>For >100 To 500, Add</i>	0.72	
			<i>For >500 To 1,500, Add</i>	0.33	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0018 SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.46	
For Painted, Deduct	-0.07	
For Perforated Or Slotted, Add	0.07	
For Site Installed Insulation Between Ribs, Add	0.69	
For Up To 100, Add	1.20	
For >100 To 500, Add	0.56	
For >500 To 1,500, Add	0.27	
05 31 00 00-0019 SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.82	
For Painted, Deduct	-0.08	
For Perforated Or Slotted, Add	0.08	
For Site Installed Insulation Between Ribs, Add	0.80	
For Up To 100, Add	1.37	
For >100 To 500, Add	0.65	
For >500 To 1,500, Add	0.30	
05 31 00 00-0020 SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.51	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Site Installed Insulation Between Ribs, Add	0.99	
For Up To 100, Add	1.68	
For >100 To 500, Add	0.80	
For >500 To 1,500, Add	0.37	
05 31 00 00-0021 SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.99	
For Painted, Deduct	-0.09	
For Perforated Or Slotted, Add	0.09	
For Site Installed Insulation Between Ribs, Add	0.83	
For Up To 100, Add	1.35	
For >100 To 500, Add	0.65	
For >500 To 1,500, Add	0.29	
05 31 00 00-0022 SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.47	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Site Installed Insulation Between Ribs, Add	0.97	
For Up To 100, Add	1.54	
For >100 To 500, Add	0.75	
For >500 To 1,500, Add	0.33	
05 31 00 00-0023 SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.32	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Site Installed Insulation Between Ribs, Add	1.20	
For Up To 100, Add	1.92	
For >100 To 500, Add	0.93	
For >500 To 1,500, Add	0.41	
05 31 00 00-0024 SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	5.38	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Site Installed Insulation Between Ribs, Add	1.49	
For Up To 100, Add	2.33	
For >100 To 500, Add	1.14	
For >500 To 1,500, Add	0.50	
05 31 00 00-0025 SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	7.18	
For Painted, Deduct	-0.27	
For Perforated Or Slotted, Add	0.27	
For Site Installed Insulation Between Ribs, Add	1.93	
For Up To 100, Add	2.34	
For >100 To 500, Add	1.26	
For >500 To 1,500, Add	0.45	
05 31 00 00-0026 SF 4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	9.05	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Site Installed Insulation Between Ribs, Add	2.43	
For Up To 100, Add	2.89	
For >100 To 500, Add	1.57	
For >500 To 1,500, Add	0.55	
05 31 00 00-0027 SF 6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	7.93	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Site Installed Insulation Between Ribs, Add	2.10	
For Up To 100, Add	2.24	
For >100 To 500, Add	1.28	
For >500 To 1,500, Add	0.40	
05 31 00 00-0028 SF 6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	8.52	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Site Installed Insulation Between Ribs, Add	2.28	
For Up To 100, Add	2.64	
For >100 To 500, Add	1.45	
For >500 To 1,500, Add	0.50	
05 31 00 00-0029 SF 6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	10.61	
For Painted, Deduct	-0.41	
For Perforated Or Slotted, Add	0.41	
For Site Installed Insulation Between Ribs, Add	2.83	
For Up To 100, Add	3.25	
For >100 To 500, Add	1.79	
For >500 To 1,500, Add	0.61	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0030 SF 7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	9.43	
For Painted, Deduct	-0.36	
For Perforated Or Slotted, Add	0.36	
For Site Installed Insulation Between Ribs, Add	2.52	
For Up To 100, Add	2.92	
For >100 To 500, Add	1.60	
For >500 To 1,500, Add	0.55	
05 31 00 00-0031 SF 7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	11.69	
For Painted, Deduct	-0.45	
For Perforated Or Slotted, Add	0.45	
For Site Installed Insulation Between Ribs, Add	3.12	
For Up To 100, Add	3.56	
For >100 To 500, Add	1.97	
For >500 To 1,500, Add	0.67	
05 31 00 00-0032 Cellular Galvanized Steel Deck <small>(05 31)</small>		
Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal calls within the panels.		
05 31 00 00-0033 SF 1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	6.38	
For Painted, Deduct	-0.24	
For Perforated Or Slotted, Add	0.24	
For Insulated Cells, Add	1.06	
For Site Installed Insulation Between Ribs, Add	1.72	
For Up To 100, Add	2.15	
For >100 To 500, Add	1.14	
For >500 To 1,500, Add	0.42	
05 31 00 00-0034 SF 1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	7.20	
For Painted, Deduct	-0.25	
For Perforated Or Slotted, Add	0.25	
For Insulated Cells, Add	1.12	
For Site Installed Insulation Between Ribs, Add	1.97	
For Up To 100, Add	2.73	
For >100 To 500, Add	1.39	
For >500 To 1,500, Add	0.56	
05 31 00 00-0035 SF 1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	7.63	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.32	
For Site Installed Insulation Between Ribs, Add	2.04	
For Up To 100, Add	2.35	
For >100 To 500, Add	1.29	
For >500 To 1,500, Add	0.44	
05 31 00 00-0036 SF 1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	8.55	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.40	
For Site Installed Insulation Between Ribs, Add	2.31	
For Up To 100, Add	2.97	
For >100 To 500, Add	1.56	
For >500 To 1,500, Add	0.59	
05 31 00 00-0037 SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	8.84	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.51	
For Site Installed Insulation Between Ribs, Add	2.37	
For Up To 100, Add	2.82	
For >100 To 500, Add	1.53	
For >500 To 1,500, Add	0.54	
05 31 00 00-0038 SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	10.47	
For Painted, Deduct	-0.40	
For Perforated Or Slotted, Add	0.40	
For Insulated Cells, Add	1.80	
For Site Installed Insulation Between Ribs, Add	2.80	
For Up To 100, Add	3.26	
For >100 To 500, Add	1.79	
For >500 To 1,500, Add	0.62	
05 31 00 00-0039 SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	11.68	
For Painted, Deduct	-0.45	
For Perforated Or Slotted, Add	0.45	
For Insulated Cells, Add	2.03	
For Site Installed Insulation Between Ribs, Add	3.12	
For Up To 100, Add	3.56	
For >100 To 500, Add	1.97	
For >500 To 1,500, Add	0.67	
05 31 00 00-0040 SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	12.77	
For Painted, Deduct	-0.49	
For Perforated Or Slotted, Add	0.49	
For Insulated Cells, Add	2.20	
For Site Installed Insulation Between Ribs, Add	3.42	
For Up To 100, Add	3.99	
For >100 To 500, Add	2.18	
For >500 To 1,500, Add	0.75	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0041	SF		4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	12.86	
			<i>For Painted, Deduct</i>	-0.54	
			<i>For Perforated Or Slotted, Add</i>	0.54	
			<i>For Insulated Cells, Add</i>	2.42	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.37	
			<i>For Up To 100, Add</i>	3.19	
			<i>For >100 To 500, Add</i>	1.92	
			<i>For >500 To 1,500, Add</i>	0.53	
05 31 00 00-0042	SF		4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.86	
			<i>For Painted, Deduct</i>	-0.57	
			<i>For Perforated Or Slotted, Add</i>	0.57	
			<i>For Insulated Cells, Add</i>	2.56	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.65	
			<i>For Up To 100, Add</i>	3.64	
			<i>For >100 To 500, Add</i>	2.14	
			<i>For >500 To 1,500, Add</i>	0.63	
05 31 00 00-0043	SF		4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	14.69	
			<i>For Painted, Deduct</i>	-0.60	
			<i>For Perforated Or Slotted, Add</i>	0.60	
			<i>For Insulated Cells, Add</i>	2.70	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.88	
			<i>For Up To 100, Add</i>	3.90	
			<i>For >100 To 500, Add</i>	2.28	
			<i>For >500 To 1,500, Add</i>	0.68	
05 31 00 00-0044	SF		4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	15.68	
			<i>For Painted, Deduct</i>	-0.64	
			<i>For Perforated Or Slotted, Add</i>	0.64	
			<i>For Insulated Cells, Add</i>	2.88	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.14	
			<i>For Up To 100, Add</i>	4.18	
			<i>For >100 To 500, Add</i>	2.44	
			<i>For >500 To 1,500, Add</i>	0.73	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

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

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

05 36 00 00-0002	SF		1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.52	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.17	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >500 To 1,500, Add</i>	0.26	
05 36 00 00-0003	SF		1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.71	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.30	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >500 To 1,500, Add</i>	0.29	
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.07	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.58	
			<i>For >100 To 500, Add</i>	0.73	
			<i>For >500 To 1,500, Add</i>	0.35	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.40	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.85	
			<i>For >100 To 500, Add</i>	0.84	
			<i>For >500 To 1,500, Add</i>	0.42	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.71	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.30	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >500 To 1,500, Add</i>	0.29	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.93	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.42	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >500 To 1,500, Add</i>	0.31	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.29	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.70	
			<i>For >100 To 500, Add</i>	0.79	
			<i>For >500 To 1,500, Add</i>	0.38	
05 36 00 00-0009	SF		2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.64	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.98	
			<i>For >100 To 500, Add</i>	0.90	
			<i>For >500 To 1,500, Add</i>	0.45	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0010	SF		3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.83	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.34	
			<i>For >100 To 500, Add</i>	0.63	
			<i>For >500 To 1,500, Add</i>	0.29	
05 36 00 00-0011	SF		3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.06	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.50	
			<i>For >100 To 500, Add</i>	0.71	
			<i>For >500 To 1,500, Add</i>	0.33	
05 36 00 00-0012	SF		3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.49	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.83	
			<i>For >100 To 500, Add</i>	0.84	
			<i>For >500 To 1,500, Add</i>	0.41	
05 36 00 00-0013	SF		3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.92	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	2.15	
			<i>For >100 To 500, Add</i>	0.98	
			<i>For >500 To 1,500, Add</i>	0.49	
05 36 00 00-0014			Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
			Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.		
			Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF		1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.60	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Insulated Cells, Add</i>	0.62	
			<i>For Up To 100, Add</i>	2.12	
			<i>For >100 To 500, Add</i>	1.01	
			<i>For >500 To 1,500, Add</i>	0.46	
05 36 00 00-0016	SF		1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	4.94	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.65	
			<i>For Up To 100, Add</i>	2.32	
			<i>For >100 To 500, Add</i>	1.10	
			<i>For >500 To 1,500, Add</i>	0.51	
05 36 00 00-0017	SF		1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.02	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.65	
			<i>For Up To 100, Add</i>	2.40	
			<i>For >100 To 500, Add</i>	1.14	
			<i>For >500 To 1,500, Add</i>	0.53	
05 36 00 00-0018	SF		1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.37	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.68	
			<i>For Up To 100, Add</i>	2.65	
			<i>For >100 To 500, Add</i>	1.24	
			<i>For >500 To 1,500, Add</i>	0.59	
05 36 00 00-0019	SF		1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.76	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.72	
			<i>For Up To 100, Add</i>	2.86	
			<i>For >100 To 500, Add</i>	1.34	
			<i>For >500 To 1,500, Add</i>	0.64	
05 36 00 00-0020	SF		1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.84	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.72	
			<i>For Up To 100, Add</i>	2.94	
			<i>For >100 To 500, Add</i>	1.37	
			<i>For >500 To 1,500, Add</i>	0.66	
05 36 00 00-0021	SF		1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.18	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.75	
			<i>For Up To 100, Add</i>	3.19	
			<i>For >100 To 500, Add</i>	1.48	
			<i>For >500 To 1,500, Add</i>	0.72	
05 36 00 00-0022	SF		2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.77	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Insulated Cells, Add</i>	0.63	
			<i>For Up To 100, Add</i>	2.23	
			<i>For >100 To 500, Add</i>	1.06	
			<i>For >500 To 1,500, Add</i>	0.49	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0023 SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.05	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.40	
For >100 To 500, Add	1.14	
For >500 To 1,500, Add	0.53	
05 36 00 00-0024 SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.14	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.49	
For >100 To 500, Add	1.17	
For >500 To 1,500, Add	0.55	
05 36 00 00-0025 SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.54	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.70	
For Up To 100, Add	2.74	
For >100 To 500, Add	1.28	
For >500 To 1,500, Add	0.61	
05 36 00 00-0026 SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.87	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	2.95	
For >100 To 500, Add	1.37	
For >500 To 1,500, Add	0.66	
05 36 00 00-0027 SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.98	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	3.06	
For >100 To 500, Add	1.42	
For >500 To 1,500, Add	0.68	
05 36 00 00-0028 SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.34	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.77	
For Up To 100, Add	3.28	
For >100 To 500, Add	1.52	
For >500 To 1,500, Add	0.74	
05 36 00 00-0029 SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.79	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Insulated Cells, Add	0.64	
For Up To 100, Add	2.23	
For >100 To 500, Add	1.06	
For >500 To 1,500, Add	0.49	
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.09	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.44	
For >100 To 500, Add	1.15	
For >500 To 1,500, Add	0.54	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.21	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.56	
For >100 To 500, Add	1.20	
For >500 To 1,500, Add	0.57	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.59	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.70	
For Up To 100, Add	2.77	
For >100 To 500, Add	1.30	
For >500 To 1,500, Add	0.62	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.97	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.74	
For Up To 100, Add	2.99	
For >100 To 500, Add	1.40	
For >500 To 1,500, Add	0.67	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.12	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.74	
For Up To 100, Add	3.14	
For >100 To 500, Add	1.46	
For >500 To 1,500, Add	0.70	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0035	SF		3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.41	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.77	
			<i>For Up To 100, Add</i>	3.35	
			<i>For >100 To 500, Add</i>	1.54	
			<i>For >500 To 1,500, Add</i>	0.75	
05 40 Cold-Formed Metal Framing (05)					
Note: Includes all connecting bolts and welds.					
05 41 Structural Metal Stud Framing (05 40)					
Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.					
05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Framing (05 41)					
05 41 00 00-0002	SF		2-1/2" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.95	0.65
			<i>For Walls >10' High, Add</i>	0.59	
			<i>For Curved Wall, Add</i>	0.46	
			<i>For Up To 200, Add</i>	0.90	
			<i>For >200 To 500, Add</i>	0.45	
			<i>For 12" On Center, Add</i>	0.51	
			<i>For 24" On Center, Deduct</i>	-0.51	
05 41 00 00-0003	SF		3-5/8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.91	0.65
			<i>For Walls >10' High, Add</i>	0.78	
			<i>For Curved Wall, Add</i>	0.48	
			<i>For Up To 200, Add</i>	1.10	
			<i>For >200 To 500, Add</i>	0.55	
			<i>For 12" On Center, Add</i>	0.70	
			<i>For 24" On Center, Deduct</i>	-0.70	
05 41 00 00-0004	SF		4" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.07	0.65
			<i>For Walls >10' High, Add</i>	0.81	
			<i>For Curved Wall, Add</i>	0.50	
			<i>For Up To 200, Add</i>	1.15	
			<i>For >200 To 500, Add</i>	0.57	
			<i>For 12" On Center, Add</i>	0.73	
			<i>For 24" On Center, Deduct</i>	-0.73	
05 41 00 00-0005	SF		6" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.22	0.72
			<i>For Walls >10' High, Add</i>	1.04	
			<i>For Curved Wall, Add</i>	0.53	
			<i>For Up To 200, Add</i>	1.39	
			<i>For >200 To 500, Add</i>	0.70	
			<i>For 12" On Center, Add</i>	0.96	
			<i>For 24" On Center, Deduct</i>	-0.96	
05 41 00 00-0006	SF		8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.84	0.80
			<i>For Walls >10' High, Add</i>	1.17	
			<i>For Curved Wall, Add</i>	0.55	
			<i>For Up To 200, Add</i>	1.53	
			<i>For >200 To 500, Add</i>	0.77	
			<i>For 12" On Center, Add</i>	1.08	
			<i>For 24" On Center, Deduct</i>	-1.08	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Framing (05 41)					
05 41 00 00-0008	SF		2-1/2" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.76	0.65
			<i>For Walls >10' High, Add</i>	0.75	
			<i>For Curved Wall, Add</i>	0.48	
			<i>For Up To 200, Add</i>	1.07	
			<i>For >200 To 500, Add</i>	0.54	
			<i>For 12" On Center, Add</i>	0.67	
			<i>For 24" On Center, Deduct</i>	-0.67	
05 41 00 00-0009	SF		3-5/8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.36	0.66
			<i>For Walls >10' High, Add</i>	0.87	
			<i>For Curved Wall, Add</i>	0.51	
			<i>For Up To 200, Add</i>	1.21	
			<i>For >200 To 500, Add</i>	0.61	
			<i>For 12" On Center, Add</i>	0.79	
			<i>For 24" On Center, Deduct</i>	-0.79	
05 41 00 00-0010	SF		4" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.60	0.66
			<i>For Walls >10' High, Add</i>	0.92	
			<i>For Curved Wall, Add</i>	0.53	
			<i>For Up To 200, Add</i>	1.27	
			<i>For >200 To 500, Add</i>	0.64	
			<i>For 12" On Center, Add</i>	0.83	
			<i>For 24" On Center, Deduct</i>	-0.83	
05 41 00 00-0011	SF		6" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.85	0.80
			<i>For Walls >10' High, Add</i>	1.17	
			<i>For Curved Wall, Add</i>	0.55	
			<i>For Up To 200, Add</i>	1.54	
			<i>For >200 To 500, Add</i>	0.77	
			<i>For 12" On Center, Add</i>	1.08	
			<i>For 24" On Center, Deduct</i>	-1.08	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0012 SF 8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center <i>For Walls >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	6.46 1.29 0.58 1.68 0.84 1.20 -1.20	0.87
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Framing (05 41)		
05 41 00 00-0014 SF 3-5/8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center <i>For Walls >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	5.18 1.04 0.61 1.44 0.72 0.94 -0.94	0.90
05 41 00 00-0015 SF 4" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center <i>For Walls >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	5.33 1.07 0.62 1.48 0.74 0.96 -0.96	0.93
05 41 00 00-0016 SF 6" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center <i>For Walls >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	6.72 1.34 0.65 1.78 0.89 1.24 -1.24	0.98
05 41 00 00-0017 SF 8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center <i>For Walls >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	7.38 1.48 0.68 1.93 0.96 1.36 -1.36	1.02
05 42 Cold-Formed Metal Joist Framing (05 40)		
05 42 33 Cold-Formed Metal Joist Framing (05 42)		
05 42 33 00-0001 Steel Joists, 18 Gauge (05 42 33)		
05 42 33 00-0002 LF 5-1/2" - 18 Gauge Steel Joists	8.27	1.74
05 42 33 00-0003 LF 6" - 18 Gauge Steel Joists	9.01	2.18
05 42 33 00-0004 LF 7-1/4" - 18 Gauge Steel Joists	9.79	2.39
05 42 33 00-0005 LF 8" - 18 Gauge Steel Joists	11.19	2.54
05 42 33 00-0006 Steel Joists, 16 Gauge (05 42 33)		
05 42 33 00-0007 LF 7-1/4" - 16 Gauge Steel Joists	10.61	2.41
05 42 33 00-0008 LF 8" - 16 Gauge Steel Joists	11.21	2.54
05 42 33 00-0009 Steel Joists, 14 Gauge (05 42 33)		
05 42 33 00-0010 LF 9-1/4" - 14 Gauge Steel Joists	12.70	2.54
05 42 33 00-0011 LF 11-1/2" - 14 Gauge Steel Joists	13.80	2.68
05 43 Slotted Channel Framing (05 40)		
05 43 00 00-0001 Unistrut Channel (05 43)		
05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	7.57 0.65 0.57	1.87
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	7.76 0.68 0.60	1.87
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	8.05 0.73 0.65	1.87
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	7.20 0.59 0.52	1.87
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	6.39 0.45 0.40	1.87
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 43 00 00-0009	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Stainless Steel Unistrut Channel.....	19.95	1.87
	05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Stainless Steel Unistrut Channel.....	13.35	1.87
05 43 00 00-0011	Unistrut Closure Strips (05 43)				
	05 43 00 00-0012	LF	Raceway Closure Strip For Unistrut Channel.....	3.71	0.41
05 43 00 00-0013	Lock Nuts With Spring For Unistrut Channel (05 43)				
	Note: Includes hex bolt.				
	05 43 00 00-0014	EA	1/4-20 Lock Nut With Spring For Unistrut Channel.....	5.27	
	05 43 00 00-0015	EA	3/8-16 Lock Nut With Spring For Unistrut Channel.....	5.67	
	05 43 00 00-0016	EA	1/2-13 Lock Nut With Spring For Unistrut Channel.....	5.96	
	05 43 00 00-0017	EA	5/8-11 Lock Nut With Spring For Unistrut Channel.....	7.56	
05 43 00 00-0018	Lock Nuts Without Spring For Unistrut Channel (05 43)				
	Note: Includes hex bolt.				
	05 43 00 00-0019	EA	1/4-20 Lock Nut Without Spring For Unistrut Channel.....	5.28	
	05 43 00 00-0020	EA	3/8-16 Lock Nut Without Spring For Unistrut Channel.....	5.72	
	05 43 00 00-0021	EA	1/2-13 Lock Nut Without Spring For Unistrut Channel.....	5.99	
	05 43 00 00-0022	EA	5/8-11 Lock Nut Without Spring For Unistrut Channel.....	8.02	
05 43 00 00-0023	Beam Clamp For Unistrut Channel (05 43)				
	05 43 00 00-0024	EA	Unistrut Beam Clamp, 1-5/8" Channel P2675.....	15.96	6.23
	05 43 00 00-0025	EA	Unistrut Beam Clamp, 1-5/8" Channel P2676.....	19.22	6.23
	05 43 00 00-0026	EA	Add For Unistrut Swivel Nut, P2676.....	1.77	
05 43 00 00-0027	Beam Clamp Clevis Hangers (05 43)				
	05 43 00 00-0028	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	17.09	6.23
	05 43 00 00-0029	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	19.68	6.23
	05 43 00 00-0030	EA	Add For Unistrut Swivel Nut.....	1.77	
	05 43 00 00-0031	EA	Unistrut Bracket For Shelves.....	44.92	8.31
05 43 00 00-0032	Pipe And Rigid Conduit Clamps (05 43)				
05 43 00 00-0033	Pipe And Rigid Conduit Clamps (05 43 00 00-0032)				
	Note: Includes stainless steel (316) hardware.				
	05 43 00 00-0034	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	5.98	1.56
	05 43 00 00-0035	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.16	1.56
	05 43 00 00-0036	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.93	1.89
	05 43 00 00-0037	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.30	2.05
	05 43 00 00-0038	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	9.60	2.31
	05 43 00 00-0039	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	9.60	2.31
	05 43 00 00-0040	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	14.42	3.87
	05 43 00 00-0041	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	14.77	3.87
	05 43 00 00-0042	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	15.66	4.28
	05 43 00 00-0043	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.41	4.60
05 43 00 00-0044	Pipe And Rigid Conduit Clamps (05 43 00 00-0032)				
	Note: Includes nylon hardware.				
	05 43 00 00-0045	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	6.13	1.56
	05 43 00 00-0046	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	6.31	1.56
	05 43 00 00-0047	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	7.08	1.89
	05 43 00 00-0048	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	7.47	2.05
	05 43 00 00-0049	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	9.85	2.31
	05 43 00 00-0050	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	9.85	2.31
	05 43 00 00-0051	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	14.77	3.87
	05 43 00 00-0052	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	15.13	3.87
	05 43 00 00-0053	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	16.03	4.28
	05 43 00 00-0054	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	17.83	4.60
05 45 Metal Support Assemblies (05 40)					
05 45 13 Mechanical Metal Supports (05 45)	See CSI section 23 05 29 00-0000 for metal supports.				
05 45 16 Electrical Metal Supports (05 45)	See CSI section 26 05 29 00-0000 for metal supports.				
05 50 Metal Fabrications (05)					
05 51 Metal Stairs (05 50)					
05 51 13 Metal Pan Stairs (05 51)	Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.				



Metals	05	05
Metal Fabrications	05 50	
Metal Stairs	05 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing <small>(05 51 13)</small> Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	536.21 61.02	24.23
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	610.00 69.32	28.27
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	680.99 77.17	33.12
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing Note: Conventional shape.	71.96	4.04
05 51 19 Metal Grating Stairs <small>(05 51)</small> Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing <small>(05 51 19)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	269.15 31.43 51.13	32.31
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	288.58 33.43 53.57	37.16
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	320.97 36.93 58.43	43.62
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape. <i>For Galvanized Steel, Add</i>	51.21 8.77	4.04
05 51 33 Metal Ladders <small>(05 51)</small> Note: Includes factory prime.		
05 51 33 13 Vertical Metal Ladders <small>(05 51 33)</small>		
05 51 33 13-0001 Vertical Ladders <small>(05 51 33 13)</small> Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	75.24 11.21 22.42	9.69
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	86.59 14.05 28.09	9.69
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	181.71 32.56 65.11	16.15
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	204.42 38.23 76.47	16.15
05 51 33 13-0006 Vertical Ladders Options <small>(05 51 33 13)</small>		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	199.07 34.62 69.24	30.29
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	217.36 38.18 76.37	32.31
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp	274.74	10.10
05 51 33 13-0010 EA 6' Security Ladder Guard.....	612.97	60.59
05 51 33 13-0011 EA 8' Security Ladder Guard.....	731.94	70.69
05 51 33 13-0012 EA Safety Chain Attachment.....	109.82	
05 51 33 13-0013 Welded Steel Ladder Cages <small>(05 51 33 13)</small> Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages <small>(05 51 33 13-0013)</small>		
05 51 33 13-0015 EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,137.73	121.18
05 51 33 13-0016 EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,231.73	125.22
05 51 33 13-0017 EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,307.06	129.26
05 51 33 13-0018 EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,387.37	133.30
05 51 33 13-0019 EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,435.30	137.34
05 51 33 13-0020 EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,511.87	141.38
05 51 33 13-0021 EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,579.73	145.41
05 51 33 13-0022 EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,667.51	149.45
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,752.78	153.49
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,823.13	157.53
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,908.42	161.57
05 51 33 13-0026 EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,991.22	165.61
05 51 33 13-0027 EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,072.76	169.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0028	EA		20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,219.07	173.69
05 51 33 13-0029	EA		21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,264.52	177.72
05 51 33 13-0030	EA		22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,341.09	181.76
05 51 33 13-0031	EA		23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,411.43	185.80
05 51 33 13-0032	EA		24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,476.79	189.84
05 51 33 13-0033	EA		25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,619.37	193.88
05 51 33 13-0034	EA		26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,697.18	197.93
05 51 33 13-0035	EA		27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,770.01	201.97
05 51 33 13-0036			Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0037	EA		7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,610.25	121.18
05 51 33 13-0038	EA		8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,785.94	125.22
05 51 33 13-0039	EA		9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,076.93	129.26
05 51 33 13-0040	EA		10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,221.71	133.30
05 51 33 13-0041	EA		11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,343.91	137.34
05 51 33 13-0042	EA		12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,505.33	141.38
05 51 33 13-0043	EA		13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,793.94	145.41
05 51 33 13-0044	EA		14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,941.10	149.45
05 51 33 13-0045	EA		15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,093.01	153.49
05 51 33 13-0046	EA		16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,259.18	157.53
05 51 33 13-0047	EA		17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,553.74	161.57
05 51 33 13-0048	EA		18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,702.09	165.61
05 51 33 13-0049	EA		19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,843.29	169.65
05 51 33 13-0050	EA		20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,076.04	173.69
05 51 33 13-0051	EA		21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,337.32	177.72
05 51 33 13-0052	EA		22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,483.29	181.76
05 51 33 13-0053	EA		23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,632.82	185.80
05 51 33 13-0054	EA		24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,772.84	189.84
05 51 33 13-0055	EA		25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,129.22	193.88
05 51 33 13-0056	EA		26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,269.24	197.93
05 51 33 13-0057	EA		27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,412.82	201.97
05 51 33 16			Inclined Metal Ladders (05 51 33)		
05 51 33 16-0001			Industrial Ship Ladder, Incline Stairs (05 51 33 16) Note: Includes factory prime.		
05 51 33 16-0002	RSR		3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side..... <i>For Aluminum, Add</i>	203.19 61.21	40.40
05 51 33 23			Alternating Tread Ladders (05 51 33)		
05 51 33 23-0001			Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002	EA		4' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,319.36 196.80 -191.42	121.18
05 51 33 23-0003	EA		5' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,501.69 240.90 -223.30	128.45
05 51 33 23-0004	EA		6' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,653.23 288.67 -241.55	128.45
05 51 33 23-0005	EA		7' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,901.10 347.24 -256.61	161.40
05 51 33 23-0006	EA		8' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,077.55 388.99 -298.53	167.13
05 51 33 23-0007	EA		9' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,211.45 453.51 -293.53	167.13
05 51 33 23-0008	EA		10' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,431.35 497.40 -327.55	186.43
05 51 33 23-0009	EA		11' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,581.37 546.61 -347.07	186.43
05 51 33 23-0010	EA		12' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,698.10 623.99 -346.65	186.43
05 52			Metal Railings (05 50)		
05 52 13			Pipe And Tube Railings (05 52) Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).		
05 52 13 00-0001			Welded Steel Pipe Railing (05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002			Single Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001) Note: Includes standards and one rail factory primed.		



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003 LF 1" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	30.11	8.08
For Schedule 80 Handrail, Add	2.48	
For Additional Off Set Handrail, ADA Attachment, Add	11.72	
For Aluminum, Satin Finish, Add	5.86	
For Aluminum, Clear Anodized Finish, Add	9.07	
For Aluminum, Dark Anodized Finish, Add	10.47	
For Galvanizing, Add	5.58	
For Wrought Iron, Add	3.01	
For Solid Steel Rails, Add	6.02	
For 304 Stainless Steel, Add	44.67	
For 316 Stainless Steel, Add	50.26	
For 2" Wheel Guard, Add	1.33	
For 4" High Kick Plate, Add	1.75	
For 6" High Kick Plate, Add	2.79	
For Curved Rail, Add	13.22	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	3.82	
For Mounting On Slopes, Add	1.62	
For Post Base Flange With Screws, Add Per Post	19.12	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
For Custom Design Or Shapes (Square Tops, etc), Add	11.02	
For Nylon Coating, Add	2.09	
05 52 13 00-0004 LF 1-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	34.93	8.08
For Schedule 80 Handrail, Add	3.50	
For Additional Off Set Handrail, ADA Attachment, Add	11.72	
For Aluminum, Satin Finish, Add	7.89	
For Aluminum, Clear Anodized Finish, Add	12.21	
For Aluminum, Dark Anodized Finish, Add	14.09	
For Galvanizing, Add	7.51	
For Wrought Iron, Add	3.49	
For Solid Steel Rails, Add	6.99	
For 304 Stainless Steel, Add	60.10	
For 316 Stainless Steel, Add	67.61	
For 2" Wheel Guard, Add	1.78	
For 4" High Kick Plate, Add	2.35	
For 6" High Kick Plate, Add	3.76	
For Curved Rail, Add	16.11	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	4.30	
For Mounting On Slopes, Add	1.62	
For Post Base Flange With Screws, Add Per Post	19.12	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
For Custom Design Or Shapes (Square Tops, etc), Add	13.43	
For Nylon Coating, Add	2.82	
05 52 13 00-0005 LF 2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	39.10	8.08
For Schedule 80 Handrail, Add	3.91	
For Additional Off Set Handrail, ADA Attachment, Add	11.72	
For Aluminum, Satin Finish, Add	9.64	
For Aluminum, Clear Anodized Finish, Add	14.92	
For Aluminum, Dark Anodized Finish, Add	17.21	
For Galvanizing, Add	9.18	
For Wrought Iron, Add	3.91	
For Solid Steel Rails, Add	7.82	
For 304 Stainless Steel, Add	73.44	
For 316 Stainless Steel, Add	82.62	
For 2" Wheel Guard, Add	2.18	
For 4" High Kick Plate, Add	2.87	
For 6" High Kick Plate, Add	4.59	
For Curved Rail, Add	18.62	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	4.72	
For Mounting On Slopes, Add	1.62	
For Post Base Flange With Screws, Add Per Post	19.12	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
For Custom Design Or Shapes (Square Tops, etc), Add	15.51	
For Nylon Coating, Add	3.44	
05 52 13 00-0006 LF 2-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	44.10	8.08
For Schedule 80 Handrail, Add	4.32	
For Additional Off Set Handrail, ADA Attachment, Add	11.72	
For Aluminum, Satin Finish, Add	11.74	
For Aluminum, Clear Anodized Finish, Add	18.17	
For Aluminum, Dark Anodized Finish, Add	20.96	
For Galvanizing, Add	11.18	
For Wrought Iron, Add	4.41	
For Solid Steel Rails, Add	8.82	
For 304 Stainless Steel, Add	89.44	
For 316 Stainless Steel, Add	100.62	
For 2" Wheel Guard, Add	2.66	
For 4" High Kick Plate, Add	3.49	
For 6" High Kick Plate, Add	5.59	
For Curved Rail, Add	21.62	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	5.22	
For Mounting On Slopes, Add	1.62	
For Post Base Flange With Screws, Add Per Post	19.12	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
For Custom Design Or Shapes (Square Tops, etc), Add	18.01	
For Nylon Coating, Add	4.19	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007			Two Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001) Note: Includes standards and two rails factory primed.		
05 52 13 00-0008	LF		1" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	32.58	8.08
			For Schedule 80 Handrail, Add	2.48	
			For Additional Off Set Handrail, ADA Attachment, Add	11.72	
			For Aluminum, Satin Finish, Add	6.90	
			For Aluminum, Clear Anodized Finish, Add	10.68	
			For Aluminum, Dark Anodized Finish, Add	12.32	
			For Galvanizing, Add	6.57	
			For Wrought Iron, Add	3.26	
			For Solid Steel Rails, Add	6.52	
			For 304 Stainless Steel, Add	52.58	
			For 316 Stainless Steel, Add	59.15	
			For 2" Wheel Guard, Add	1.56	
			For 4" High Kick Plate, Add	2.05	
			For 6" High Kick Plate, Add	3.29	
			For Curved Rail, Add	14.70	
			For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
			For Mounting On Stairs, Add	4.07	
			For Mounting On Slopes, Add	1.62	
			For Post Base Flange With Screws, Add Per Post	19.12	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
			For Custom Design Or Shapes (Square Tops, etc), Add	12.25	
			For Nylon Coating, Add	2.46	
05 52 13 00-0009	LF		1-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	38.24	8.08
			For Schedule 80 Handrail, Add	3.50	
			For Additional Off Set Handrail, ADA Attachment, Add	11.72	
			For Aluminum, Satin Finish, Add	9.28	
			For Aluminum, Clear Anodized Finish, Add	14.36	
			For Aluminum, Dark Anodized Finish, Add	16.57	
			For Galvanizing, Add	8.84	
			For Wrought Iron, Add	3.82	
			For Solid Steel Rails, Add	7.65	
			For 304 Stainless Steel, Add	70.69	
			For 316 Stainless Steel, Add	79.52	
			For 2" Wheel Guard, Add	2.10	
			For 4" High Kick Plate, Add	2.76	
			For 6" High Kick Plate, Add	4.42	
			For Curved Rail, Add	18.10	
			For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
			For Mounting On Stairs, Add	4.63	
			For Mounting On Slopes, Add	1.62	
			For Post Base Flange With Screws, Add Per Post	19.12	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
			For Custom Design Or Shapes (Square Tops, etc), Add	15.08	
			For Nylon Coating, Add	3.31	
05 52 13 00-0010	LF		2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	43.15	8.08
			For Schedule 80 Handrail, Add	3.91	
			For Additional Off Set Handrail, ADA Attachment, Add	11.72	
			For Aluminum, Satin Finish, Add	11.34	
			For Aluminum, Clear Anodized Finish, Add	17.55	
			For Aluminum, Dark Anodized Finish, Add	20.25	
			For Galvanizing, Add	10.80	
			For Wrought Iron, Add	4.32	
			For Solid Steel Rails, Add	8.63	
			For 304 Stainless Steel, Add	86.40	
			For 316 Stainless Steel, Add	97.20	
			For 2" Wheel Guard, Add	2.57	
			For 4" High Kick Plate, Add	3.38	
			For 6" High Kick Plate, Add	5.40	
			For Curved Rail, Add	21.05	
			For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
			For Mounting On Stairs, Add	5.12	
			For Mounting On Slopes, Add	1.62	
			For Post Base Flange With Screws, Add Per Post	19.12	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
			For Custom Design Or Shapes (Square Tops, etc), Add	17.54	
			For Nylon Coating, Add	4.05	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0011 LF 2-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	49.03	8.08
For Schedule 80 Handrail, Add	4.32	
For Additional Off Set Handrail, ADA Attachment, Add	11.72	
For Aluminum, Satin Finish, Add	13.81	
For Aluminum, Clear Anodized Finish, Add	21.37	
For Aluminum, Dark Anodized Finish, Add	24.66	
For Galvanizing, Add	13.15	
For Wrought Iron, Add	4.90	
For Solid Steel Rails, Add	9.81	
For 304 Stainless Steel, Add	105.22	
For 316 Stainless Steel, Add	118.37	
For 2" Wheel Guard, Add	3.12	
For 4" High Kick Plate, Add	4.11	
For 6" High Kick Plate, Add	6.58	
For Curved Rail, Add	24.57	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	5.71	
For Mounting On Slopes, Add	1.62	
For Post Base Flange With Screws, Add Per Post	19.12	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.92	
For Custom Design Or Shapes (Square Tops, etc), Add	20.48	
For Nylon Coating, Add	4.93	
05 52 13 00-0012 Three Rail Welded Steel Pipe Railing, Up To 42" High <small>(05 52 13 00-0001)</small>		
Note: Includes standards and three rails factory primed.		
05 52 13 00-0013 LF 1" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	42.87	9.69
For Schedule 80 Handrail, Add	3.73	
For Additional Off Set Handrail, ADA Attachment, Add	12.37	
For Aluminum, Satin Finish, Add	9.86	
For Aluminum, Clear Anodized Finish, Add	15.26	
For Aluminum, Dark Anodized Finish, Add	17.61	
For Galvanizing, Add	9.39	
For Wrought Iron, Add	4.29	
For Solid Steel Rails, Add	8.57	
For 304 Stainless Steel, Add	75.14	
For 316 Stainless Steel, Add	84.53	
For 2" Wheel Guard, Add	2.23	
For 4" High Kick Plate, Add	2.94	
For 6" High Kick Plate, Add	4.70	
For Curved Rail, Add	19.91	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	5.26	
For Mounting On Slopes, Add	1.94	
For Post Base Flange With Screws, Add Per Post	19.44	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.41	
For Custom Design Or Shapes (Square Tops, etc), Add	16.59	
For Nylon Coating, Add	3.52	
05 52 13 00-0014 LF 1-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	50.96	9.69
For Schedule 80 Handrail, Add	5.08	
For Additional Off Set Handrail, ADA Attachment, Add	12.37	
For Aluminum, Satin Finish, Add	13.26	
For Aluminum, Clear Anodized Finish, Add	20.52	
For Aluminum, Dark Anodized Finish, Add	23.68	
For Galvanizing, Add	12.63	
For Wrought Iron, Add	5.10	
For Solid Steel Rails, Add	10.19	
For 304 Stainless Steel, Add	101.02	
For 316 Stainless Steel, Add	113.65	
For 2" Wheel Guard, Add	3.00	
For 4" High Kick Plate, Add	3.95	
For 6" High Kick Plate, Add	6.31	
For Curved Rail, Add	24.76	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.07	
For Mounting On Slopes, Add	1.94	
For Post Base Flange With Screws, Add Per Post	19.44	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.41	
For Custom Design Or Shapes (Square Tops, etc), Add	20.63	
For Nylon Coating, Add	4.74	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF		2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	57.99	9.69
			<i>For Schedule 80 Handrail, Add</i>	5.63	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.37	
			<i>For Aluminum, Satin Finish, Add</i>	16.21	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.09	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	28.95	
			<i>For Galvanizing, Add</i>	15.44	
			<i>For Wrought Iron, Add</i>	5.80	
			<i>For Solid Steel Rails, Add</i>	11.60	
			<i>For 304 Stainless Steel, Add</i>	123.52	
			<i>For 316 Stainless Steel, Add</i>	138.96	
			<i>For 2" Wheel Guard, Add</i>	3.67	
			<i>For 4" High Kick Plate, Add</i>	4.83	
			<i>For 6" High Kick Plate, Add</i>	7.72	
			<i>For Curved Rail, Add</i>	28.98	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.77	
			<i>For Mounting On Slopes, Add</i>	1.94	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.44	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.41	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	24.15	
			<i>For Nylon Coating, Add</i>	5.79	
05 52 13 00-0016	LF		2-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	66.36	9.69
			<i>For Schedule 80 Handrail, Add</i>	6.18	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.37	
			<i>For Aluminum, Satin Finish, Add</i>	19.73	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	30.53	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	35.23	
			<i>For Galvanizing, Add</i>	18.79	
			<i>For Wrought Iron, Add</i>	6.64	
			<i>For Solid Steel Rails, Add</i>	13.27	
			<i>For 304 Stainless Steel, Add</i>	150.30	
			<i>For 316 Stainless Steel, Add</i>	169.09	
			<i>For 2" Wheel Guard, Add</i>	4.46	
			<i>For 4" High Kick Plate, Add</i>	5.87	
			<i>For 6" High Kick Plate, Add</i>	9.39	
			<i>For Curved Rail, Add</i>	34.00	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	7.61	
			<i>For Mounting On Slopes, Add</i>	1.94	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.44	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.41	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	28.33	
			<i>For Nylon Coating, Add</i>	7.05	
05 52 13 00-0017			Four Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001)		
			Note: Includes standards and four rails factory primed.		
05 52 13 00-0018	LF		1" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	51.43	11.31
			<i>For Schedule 80 Handrail, Add</i>	5.18	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.01	
			<i>For Aluminum, Satin Finish, Add</i>	12.10	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.73	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	21.62	
			<i>For Galvanizing, Add</i>	11.53	
			<i>For Wrought Iron, Add</i>	5.14	
			<i>For Solid Steel Rails, Add</i>	10.29	
			<i>For 304 Stainless Steel, Add</i>	92.22	
			<i>For 316 Stainless Steel, Add</i>	103.75	
			<i>For 2" Wheel Guard, Add</i>	2.74	
			<i>For 4" High Kick Plate, Add</i>	3.60	
			<i>For 6" High Kick Plate, Add</i>	5.76	
			<i>For Curved Rail, Add</i>	24.08	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.27	
			<i>For Mounting On Slopes, Add</i>	2.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.89	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	20.06	
			<i>For Nylon Coating, Add</i>	4.32	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019 LF 1-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	58.61	11.31
For Schedule 80 Handrail, Add	6.87	
For Additional Off Set Handrail, ADA Attachment, Add	13.01	
For Aluminum, Satin Finish, Add	15.12	
For Aluminum, Clear Anodized Finish, Add	23.40	
For Aluminum, Dark Anodized Finish, Add	27.00	
For Galvanizing, Add	14.40	
For Wrought Iron, Add	5.86	
For Solid Steel Rails, Add	11.72	
For 304 Stainless Steel, Add	115.20	
For 316 Stainless Steel, Add	129.60	
For 2" Wheel Guard, Add	3.42	
For 4" High Kick Plate, Add	4.50	
For 6" High Kick Plate, Add	7.20	
For Curved Rail, Add	28.38	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.99	
For Mounting On Slopes, Add	2.26	
For Post Base Flange With Screws, Add Per Post	19.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.89	
For Custom Design Or Shapes (Square Tops, etc), Add	23.65	
For Nylon Coating, Add	5.40	
05 52 13 00-0020 LF 2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	66.61	11.31
For Schedule 80 Handrail, Add	7.55	
For Additional Off Set Handrail, ADA Attachment, Add	13.01	
For Aluminum, Satin Finish, Add	18.48	
For Aluminum, Clear Anodized Finish, Add	28.60	
For Aluminum, Dark Anodized Finish, Add	33.00	
For Galvanizing, Add	17.60	
For Wrought Iron, Add	6.66	
For Solid Steel Rails, Add	13.32	
For 304 Stainless Steel, Add	140.80	
For 316 Stainless Steel, Add	158.40	
For 2" Wheel Guard, Add	4.18	
For 4" High Kick Plate, Add	5.50	
For 6" High Kick Plate, Add	8.80	
For Curved Rail, Add	33.18	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	7.79	
For Mounting On Slopes, Add	2.26	
For Post Base Flange With Screws, Add Per Post	19.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.89	
For Custom Design Or Shapes (Square Tops, etc), Add	27.65	
For Nylon Coating, Add	6.60	
05 52 13 00-0021 LF 2-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	75.98	11.31
For Schedule 80 Handrail, Add	8.25	
For Additional Off Set Handrail, ADA Attachment, Add	13.01	
For Aluminum, Satin Finish, Add	22.42	
For Aluminum, Clear Anodized Finish, Add	34.69	
For Aluminum, Dark Anodized Finish, Add	40.03	
For Galvanizing, Add	21.35	
For Wrought Iron, Add	7.60	
For Solid Steel Rails, Add	15.20	
For 304 Stainless Steel, Add	170.78	
For 316 Stainless Steel, Add	192.13	
For 2" Wheel Guard, Add	5.07	
For 4" High Kick Plate, Add	6.67	
For 6" High Kick Plate, Add	10.67	
For Curved Rail, Add	38.81	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	8.73	
For Mounting On Slopes, Add	2.26	
For Post Base Flange With Screws, Add Per Post	19.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.89	
For Custom Design Or Shapes (Square Tops, etc), Add	32.34	
For Nylon Coating, Add	8.01	
05 52 13 00-0022 Welded Steel Wall Rail With Brackets <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0023 LF 1" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	24.70	4.84
For Schedule 80 Handrail, Add	1.57	
For Stainless Steel, Add	25.16	
For Aluminum, Satin Finish, Add	5.28	
For Curved Rail, Add	7.41	
For Aluminum, Clear Anodized Finish, Add	8.18	
For Aluminum, Dark Anodized Finish, Add	9.44	
For Galvanized Finish, Add	3.77	
05 52 13 00-0024 LF 1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	25.10	4.84
For Schedule 80 Handrail, Add	1.73	
For Stainless Steel, Add	25.96	
For Aluminum, Satin Finish, Add	5.45	
For Curved Rail, Add	7.53	
For Aluminum, Clear Anodized Finish, Add	8.44	
For Aluminum, Dark Anodized Finish, Add	9.74	
For Galvanized Finish, Add	3.89	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0025 LF 1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	25.51	4.84
For Schedule 80 Handrail, Add	3.99	
For Stainless Steel, Add	26.78	
For Aluminum, Satin Finish, Add	5.62	
For Curved Rail, Add	7.65	
For Aluminum, Clear Anodized Finish, Add	8.70	
For Aluminum, Dark Anodized Finish, Add	10.04	
For Galvanized Finish, Add	4.02	
05 52 13 00-0026 LF 2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	30.17	4.84
For Schedule 80 Handrail, Add	2.04	
For Stainless Steel, Add	36.10	
For Aluminum, Satin Finish, Add	7.58	
For Curved Rail, Add	9.05	
For Aluminum, Clear Anodized Finish, Add	11.73	
For Aluminum, Dark Anodized Finish, Add	13.54	
For Galvanized Finish, Add	5.42	
05 52 13 00-0027 LF 2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint	34.03	4.84
For Schedule 80 Handrail, Add	2.18	
For Stainless Steel, Add	43.82	
For Aluminum, Satin Finish, Add	9.20	
For Curved Rail, Add	10.21	
For Aluminum, Clear Anodized Finish, Add	14.24	
For Aluminum, Dark Anodized Finish, Add	16.43	
For Galvanized Finish, Add	6.57	
05 52 13 00-0028 Welded Steel Wall Rail With Brackets, Custom Shapes <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0029 LF 1" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	29.46	5.09
For Schedule 80 Handrail, Add	1.57	
For Stainless Steel, Add	34.68	
For Aluminum, Satin Finish, Add	7.28	
For Curved Rail, Add	8.84	
For Aluminum, Clear Anodized Finish, Add	11.27	
For Aluminum, Dark Anodized Finish, Add	13.01	
For Galvanized Finish, Add	5.20	
05 52 13 00-0030 LF 1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	30.03	5.09
For Schedule 80 Handrail, Add	1.73	
For Stainless Steel, Add	35.82	
For Aluminum, Satin Finish, Add	7.52	
For Curved Rail, Add	9.01	
For Aluminum, Clear Anodized Finish, Add	11.64	
For Aluminum, Dark Anodized Finish, Add	13.43	
For Galvanized Finish, Add	5.37	
05 52 13 00-0031 LF 1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	30.46	5.09
For Schedule 80 Handrail, Add	3.99	
For Stainless Steel, Add	36.68	
For Aluminum, Satin Finish, Add	7.70	
For Curved Rail, Add	9.14	
For Aluminum, Clear Anodized Finish, Add	11.92	
For Aluminum, Dark Anodized Finish, Add	13.76	
For Galvanized Finish, Add	5.50	
05 52 13 00-0032 LF 2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	36.97	5.09
For Schedule 80 Handrail, Add	2.04	
For Stainless Steel, Add	49.70	
For Aluminum, Satin Finish, Add	10.44	
For Curved Rail, Add	11.09	
For Aluminum, Clear Anodized Finish, Add	16.15	
For Aluminum, Dark Anodized Finish, Add	18.64	
For Galvanized Finish, Add	7.46	
05 52 13 00-0033 LF 2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint	41.23	5.09
For Schedule 80 Handrail, Add	2.18	
For Stainless Steel, Add	58.22	
For Aluminum, Satin Finish, Add	12.23	
For Curved Rail, Add	12.37	
For Aluminum, Clear Anodized Finish, Add	18.92	
For Aluminum, Dark Anodized Finish, Add	21.83	
For Galvanized Finish, Add	8.73	
05 52 13 00-0034 Remove And Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0035 LF Remove And Reinstall Railing, Wall Mounted, Including Brackets	18.17	
05 52 13 00-0036 LF Remove And Reinstall Railing, Floor Mounted Railing	23.72	
05 52 13 00-0037 EA Install New Railing Bracket	49.71	
For Stainless Steel, Add	50.96	

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 53 13 00-0002			Steel, Welded Grating <small>(05 53 13 00-0001)</small>		
				Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
	05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating 7.49		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	0.97	
				For 304 Stainless Steel, Add	18.36	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	1.67	
				For Crossbars At 2" O.C., Add	0.62	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.33	
	05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating 9.86		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	1.38	
				For 304 Stainless Steel, Add	25.97	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	2.36	
				For Crossbars At 2" O.C., Add	0.87	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.39	
	05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating 9.01		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	1.23	
				For 304 Stainless Steel, Add	23.24	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	2.11	
				For Crossbars At 2" O.C., Add	0.78	
				For Serrated Wear Surface, Add	0.16	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.37	
	05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating 12.23		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	1.78	
				For 304 Stainless Steel, Add	33.58	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	3.05	
				For Crossbars At 2" O.C., Add	1.13	
				For Serrated Wear Surface, Add	0.16	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.45	
	05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating 15.45		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	2.33	
				For 304 Stainless Steel, Add	43.91	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	3.99	
				For Crossbars At 2" O.C., Add	1.48	
				For Serrated Wear Surface, Add	0.16	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.53	
	05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating 10.55		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	1.49	
				For 304 Stainless Steel, Add	28.18	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	2.56	
				For Crossbars At 2" O.C., Add	0.95	
				For Serrated Wear Surface, Add	0.16	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.41	
	05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating 14.46		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	2.16	
				For 304 Stainless Steel, Add	40.73	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	3.71	
				For Crossbars At 2" O.C., Add	1.37	
				For Serrated Wear Surface, Add	0.16	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.50	
	05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating 12.09		0.89
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	1.75	
				For 304 Stainless Steel, Add	33.13	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	3.01	
				For Crossbars At 2" O.C., Add	1.11	
				For Serrated Wear Surface, Add	0.16	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.44	
	05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating 17.23		1.09
				For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
				For Galvanized Steel, Add	2.56	
				For 304 Stainless Steel, Add	48.31	
				Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
				For Bearing Bars At 15/16" O.C., Add	4.39	
				For Crossbars At 2" O.C., Add	1.63	
				For Serrated Wear Surface, Add	0.16	
				For Set In Place Without Bolting Or Tack Welding, Deduct	-1.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating	22.12	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	64.01	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.82	
For Crossbars At 2" O.C., Add	2.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.96	
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating	19.61	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.96	
For 304 Stainless Steel, Add	55.95	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.09	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating.....	21.85	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	63.14	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.74	
For Crossbars At 2" O.C., Add	2.12	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.95	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating	24.22	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.75	
For 304 Stainless Steel, Add	70.75	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.44	
For Crossbars At 2" O.C., Add	2.38	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.01	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating	26.45	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.13	
For 304 Stainless Steel, Add	77.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.09	
For Crossbars At 2" O.C., Add	2.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.07	
05 53 13 00-0017 Pressure Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018 Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	13.70	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	22.32	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.48	
For Crossbars At 2" O.C., Add	1.29	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.48	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	16.75	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	15.01	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	24.77	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.87	
For Crossbars At 2" O.C., Add	1.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.52	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	20.24	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	34.56	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	26.78	
For Bearing Bars At 15/16" O.C., Add	5.39	
For Crossbars At 2" O.C., Add	1.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.65	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	16.75	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	22.66	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.43	
For 304 Stainless Steel, Add	39.09	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.10	
For Crossbars At 2" O.C., Add	2.26	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.71	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	18.58	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	31.45	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.91	
For Crossbars At 2" O.C., Add	1.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.61	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	25.61	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	43.84	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	33.97	
For Bearing Bars At 15/16" O.C., Add	6.84	
For Crossbars At 2" O.C., Add	2.53	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	28.16	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.26	
For 304 Stainless Steel, Add	48.61	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.59	
For Crossbars At 2" O.C., Add	2.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	30.24	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.60	
For 304 Stainless Steel, Add	52.50	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.19	
For Crossbars At 2" O.C., Add	3.03	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.16	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	32.24	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.93	
For 304 Stainless Steel, Add	56.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.78	
For Crossbars At 2" O.C., Add	3.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.21	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	33.97	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.21	
For 304 Stainless Steel, Add	59.48	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	9.28	
For Crossbars At 2" O.C., Add	3.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.26	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)
 Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating	10.02	0.89
For Bearing Bars At 15/16" O.C., Add	2.41	
For Crossbars At 2" O.C., Add	0.89	
For Set In Place Without Bolting, Deduct	-1.39	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating	13.40	0.89
For Bearing Bars At 15/16" O.C., Add	3.40	
For Crossbars At 2" O.C., Add	1.26	
For Set In Place Without Bolting, Deduct	-1.48	
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating	12.67	0.89
For Bearing Bars At 15/16" O.C., Add	3.18	
For Crossbars At 2" O.C., Add	1.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.46	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating	17.05	0.89
For Bearing Bars At 7/16" O.C., Add	22.16	
For Bearing Bars At 15/16" O.C., Add	4.46	
For Crossbars At 2" O.C., Add	1.65	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.57	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating	14.60	0.89
For Bearing Bars At 15/16" O.C., Add	3.75	
For Crossbars At 2" O.C., Add	1.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.51	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating	19.37	0.89
For Bearing Bars At 15/16" O.C., Add	5.14	
For Crossbars At 2" O.C., Add	1.90	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.63	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating	16.41	0.89
For Bearing Bars At 15/16" O.C., Add	4.27	
For Crossbars At 2" O.C., Add	1.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.55	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating	21.76	0.89
For Bearing Bars At 7/16" O.C., Add	28.99	
For Bearing Bars At 15/16" O.C., Add	5.84	
For Crossbars At 2" O.C., Add	2.16	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.69	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating	24.05	0.89
For Bearing Bars At 15/16" O.C., Add	6.51	
For Crossbars At 2" O.C., Add	2.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.74	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating	26.76	0.89
For Bearing Bars At 15/16" O.C., Add	7.30	
For Crossbars At 2" O.C., Add	2.70	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.81	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating	28.89	0.89
For Bearing Bars At 15/16" O.C., Add	7.92	
For Crossbars At 2" O.C., Add	2.93	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.86	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating	31.42	0.89
For Bearing Bars At 15/16" O.C., Add	8.66	
For Crossbars At 2" O.C., Add	3.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.93	
05 53 13 00-0044 Swage Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045 Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating	22.10	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.87	
For 304 Stainless Steel, Add	33.71	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	13.01	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.69	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating	24.60	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.10	
For 304 Stainless Steel, Add	37.85	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	14.61	
For Crossbars At 2" O.C., Add	1.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.76	
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating	26.98	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	41.12	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	15.87	
For Crossbars At 2" O.C., Add	1.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.08	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating	30.82	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.63	
For 304 Stainless Steel, Add	47.49	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	18.33	
For Crossbars At 2" O.C., Add	2.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	34.68	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.99	
For 304 Stainless Steel, Add	53.89	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	20.80	
For Crossbars At 2" O.C., Add	2.60	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.27	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating	38.52	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	60.25	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	23.26	
For Crossbars At 2" O.C., Add	2.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.37	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating	42.38	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	66.65	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	25.73	
For Crossbars At 2" O.C., Add	3.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.47	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	11.74	0.89
For Bearing Bars At 15/16" O.C., Add	6.38	
For Crossbars At 2" O.C., Add	0.80	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.44	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	15.08	0.89
For Bearing Bars At 15/16" O.C., Add	8.52	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.52	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	13.24	0.89
For Bearing Bars At 15/16" O.C., Add	7.34	
For Crossbars At 2" O.C., Add	0.92	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.47	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	17.32	0.89
For Bearing Bars At 15/16" O.C., Add	9.95	
For Crossbars At 2" O.C., Add	1.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.57	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	15.02	0.89
For Bearing Bars At 15/16" O.C., Add	8.48	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	19.73	0.89
For Bearing Bars At 15/16" O.C., Add	11.49	
For Crossbars At 2" O.C., Add	1.44	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.63	
05 53 13 00-0060 SF 1-3/4" x 3/16" Aluminum, Swaged Grating.....	22.50	0.89
For Bearing Bars At 15/16" O.C., Add	13.27	
For Crossbars At 2" O.C., Add	1.66	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.70	
05 53 13 00-0061 SF 2" x 3/16" Aluminum, Swaged Grating.....	25.26	0.89
For Bearing Bars At 15/16" O.C., Add	15.03	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.77	
05 53 13 00-0062 SF 2-1/4" x 3/16" Aluminum, Swaged Grating.....	28.03	0.89
For Bearing Bars At 15/16" O.C., Add	16.81	
For Crossbars At 2" O.C., Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.84	
05 53 13 00-0063 SF 2-1/2" x 3/16" Aluminum, Swaged Grating.....	30.78	0.89
For Bearing Bars At 15/16" O.C., Add	18.57	
For Crossbars At 2" O.C., Add	2.32	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.91	
05 53 13 00-0064 Riveted Grating <small>(05 53 13)</small>		
Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065 Steel, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066 SF 3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	41.53	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.91	
For 304 Stainless Steel, Add	34.15	
For 5/8" Clear Opening, Add	13.72	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0067 SF 3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	48.81	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.26	
For 304 Stainless Steel, Add	40.41	
For 5/8" Clear Opening, Add	16.23	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.36	
05 53 13 00-0068 SF 1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	44.88	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.07	
For 304 Stainless Steel, Add	37.03	
For 5/8" Clear Opening, Add	14.87	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.26	
05 53 13 00-0069 SF 1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	51.58	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	42.79	
For 5/8" Clear Opening, Add	17.18	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.43	
05 53 13 00-0070 SF 1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	47.66	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.20	
For 304 Stainless Steel, Add	39.42	
For 5/8" Clear Opening, Add	15.83	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.33	
05 53 13 00-0071 SF 1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	56.75	0.89
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	47.23	
For 5/8" Clear Opening, Add	18.97	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.56	
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	50.74	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	41.71	
For 5/8" Clear Opening, Add	16.75	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.67	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	60.46	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.80	
For 304 Stainless Steel, Add	50.06	
For 5/8" Clear Opening, Add	20.11	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-2.92	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	65.42	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.04	
For 304 Stainless Steel, Add	54.32	
For 5/8" Clear Opening, Add	21.82	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.04	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	76.49	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.57	
For 304 Stainless Steel, Add	63.83	
For 5/8" Clear Opening, Add	25.64	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.32	
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	80.34	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.75	
For 304 Stainless Steel, Add	67.14	
For 5/8" Clear Opening, Add	26.97	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.41	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	83.78	1.09
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.92	
For 304 Stainless Steel, Add	70.09	
For 5/8" Clear Opening, Add	28.15	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting Or Tack Welding, Deduct	-3.50	
05 53 13 00-0078 Aluminum, Riveted Grating (05 53 13 00-0064)		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	24.54	0.89
For 5/8" Clear Opening, Add	7.86	
For Set On Place Without Bolting, Deduct	-1.76	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	29.05	0.89
For 5/8" Clear Opening, Add	9.41	
For Set On Place Without Bolting, Deduct	-1.87	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	26.95	0.89
For 5/8" Clear Opening, Add	8.69	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.82	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	31.35	0.89
For 5/8" Clear Opening, Add	10.21	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.93	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	30.17	0.89
For 5/8" Clear Opening, Add	9.80	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.90	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	36.28	0.89
For 5/8" Clear Opening, Add	11.91	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.05	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	32.37	0.89
For 5/8" Clear Opening, Add	10.56	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-1.95	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	40.13	0.89
For 5/8" Clear Opening, Add	13.23	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.14	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	44.19	0.89
For 5/8" Clear Opening, Add	14.63	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.25	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	52.55	0.89
For 5/8" Clear Opening, Add	17.52	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.46	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	57.28	0.89
For 5/8" Clear Opening, Add	19.15	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.57	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	63.64	0.89
For 5/8" Clear Opening, Add	21.35	
For Serrated Wear Surface, Add	0.16	
For Set On Place Without Bolting, Deduct	-2.73	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 53 16 Plank Gratings ^(05 53)

05 53 16 00-0001	Grate-Lock Steel Plank Grating ^(05 53 16)		
	Note: Smooth or traction grip surface.		
05 53 16 00-0002	SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	9.03	0.69
	<i>For Stair Tread Application, Add</i>	1.11	
05 53 16 00-0003	SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	9.73	0.84
	<i>For Stair Tread Application, Add</i>	1.23	
05 53 16 00-0004	SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.27	0.93
	<i>For Stair Tread Application, Add</i>	1.30	
05 53 16 00-0005	SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	11.22	1.01
	<i>For Stair Tread Application, Add</i>	1.43	
05 53 16 00-0006	SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	10.96	0.76
	<i>For Stair Tread Application, Add</i>	1.33	
05 53 16 00-0007	SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	11.72	0.93
	<i>For Stair Tread Application, Add</i>	1.45	
05 53 16 00-0008	SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	13.40	0.89
	<i>For Stair Tread Application, Add</i>	1.61	
05 53 16 00-0009	SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	14.37	1.09
	<i>For Stair Tread Application, Add</i>	1.76	
05 53 16 00-0010	SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	15.53	1.37
	<i>For Stair Tread Application, Add</i>	1.97	
05 53 16 00-0011	SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	17.15	1.54
	<i>For Stair Tread Application, Add</i>	2.18	

05 54 Metal Floor Plates ^(05 50)

05 54 00 00-0001	Steel Floor Plates ^(05 54)		
05 54 00 00-0002	SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.68	1.05
05 54 00 00-0003	SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.14	1.05
05 54 00 00-0004	SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.08	1.05
05 54 00 00-0005	SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	20.11	1.13
05 54 00 00-0006	SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	25.38	1.22

05 54 00 00-0007 Aluminum Alloy Floor Plates ^(05 54)

05 54 00 00-0008	SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	15.16	0.89
05 54 00 00-0009	SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	17.40	1.05
05 54 00 00-0010	SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	19.64	1.13

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates ^(05 54)

05 54 00 00-0012	SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.39	1.22
	<i>For 316 Stainless Steel, Add</i>	7.38	
05 54 00 00-0013	SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.54	1.37
	<i>For 316 Stainless Steel, Add</i>	8.86	
05 54 00 00-0014	SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	40.85	1.62
	<i>For 316 Stainless Steel, Add</i>	11.57	

05 55 Metal Stair Treads And Nosings ^(05 50)

05 55 13 Metal Stair Treads ^(05 55)

05 55 13 00-0001	Abrasive Cast Aluminum Stair Treads ^(05 55 13)		
	Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0002	LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	36.76	4.16
	<i>For 3/8" Thick, Add</i>	7.53	
05 55 13 00-0003	LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	40.32	4.16
	<i>For 3/8" Thick, Add</i>	8.42	
05 55 13 00-0004	LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	43.87	4.16
	<i>For 3/8" Thick, Add</i>	9.30	
05 55 13 00-0005	LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	47.44	4.16
	<i>For 3/8" Thick, Add</i>	10.20	
05 55 13 00-0006	LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	50.98	4.16
	<i>For 3/8" Thick, Add</i>	11.08	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads ^(05 55 13)

	Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	50.57	4.16
05 55 13 00-0009	LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	55.84	4.16
05 55 13 00-0010	LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	61.13	4.16
05 55 13 00-0011	LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	66.40	4.16
05 55 13 00-0012	LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	71.69	4.16

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads ^(05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	20.10	4.16
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	23.33	4.16
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	24.75	4.16
05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads <i>(05 55 13)</i> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	29.01	4.16
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	29.28	4.16
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	35.08	4.16
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	40.16	4.16
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	46.79	4.16
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
<i>For Two Color Tread, Add</i>	1.68	
05 55 13 00-0023 Stair Landing Treads <i>(05 55 13)</i>		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads <i>(05 55 13 00-0023)</i> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	50.98	4.16
<i>For 3/8" Thick, Add</i>	11.08	
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads <i>(05 55 13 00-0023)</i> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads.....	71.69	4.16
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <i>(05 55 13 00-0023)</i> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	47.38	4.16
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.24	
05 55 13 00-0030 Open Cast Iron Stair Tread <i>(05 55 13)</i> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread.....	369.66	32.31
<i>For Closed Riser, Add</i>	31.47	
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread.....	417.75	37.16
<i>For Closed Riser, Add</i>	35.45	
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread.....	461.90	43.62
<i>For Closed Riser, Add</i>	39.14	
05 55 16 Metal Stair Nosings <i>(05 55)</i>		
05 55 16 00-0001 Abrasive Cast Aluminum Nosings <i>(05 55 16)</i> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	15.91	2.84
<i>For 3/8" Thick, Add</i>	2.84	
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	19.35	2.84
<i>For 3/8" Thick, Add</i>	3.70	
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	27.01	2.84
<i>For 3/8" Thick, Add</i>	5.62	
05 55 16 00-0005 Abrasive Cast Iron Nosings <i>(05 55 16)</i> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	18.42	2.84
<i>For 3/8" Thick, Add</i>	3.47	
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	22.65	2.84
<i>For 3/8" Thick, Add</i>	4.53	
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	31.02	2.84
<i>For 3/8" Thick, Add</i>	6.62	
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <i>(05 55 16)</i> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	13.58	2.84

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0011	LF		3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.23	2.84
05 55 16 00-0012	LF		4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.50	2.84
05 55 16 00-0013	LF		6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	20.43	2.84
05 55 16 00-0014	LF		1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.03	2.84
05 55 16 00-0015	LF		3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.44	2.84
05 55 16 00-0016	LF		4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.84	2.84
05 55 16 00-0017	LF		3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.99	2.84
05 56 Metal Castings <small>(05 50)</small>					
05 56 00 00-0001 Castings <small>(05 56)</small>					
05 56 00 00-0002	LB		Up To 150 LB, Miscellaneous Castings, Light Section.....	3.02	0.40
05 56 00 00-0003	LB		>150 LB, Miscellaneous Castings, Heavy Section.....	4.94	0.32
05 58 Formed Metal Fabrications <small>(05 50)</small>					
05 58 16 Formed Metal Enclosures <small>(05 58)</small>					
05 58 16 00-0001 Drip Pan <small>(05 58 16)</small>					
05 58 16 00-0002	SF		Stainless Steel Drip Pan.....	39.52	4.23
05 58 16 00-0003	SF		Galvanized Steel Drip Pan.....	32.84	4.23
05 58 16 00-0004	SF		Aluminum Drip Pan.....	15.14	3.38
05 58 16 00-0005	SF		Plastic Drip Pan.....	11.07	2.96
05 58 23 Formed Metal Guards <small>(05 58)</small>					
05 58 23 00-0001 Protective Guard Rails <small>(05 58 23)</small>					
Note: Includes painted finish.					
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small>					
Note: Steel King Armor Guard.					
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0002)</small>					
Note: Excludes posts. Includes fasteners.					
05 58 23 00-0004	EA		1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	105.69	13.62
05 58 23 00-0005	EA		2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	123.49	13.62
05 58 23 00-0006	EA		3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	140.28	13.62
05 58 23 00-0007	EA		4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	158.08	13.62
05 58 23 00-0008	EA		5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	174.97	13.62
05 58 23 00-0009	EA		6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	196.86	13.62
05 58 23 00-0010	EA		7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	211.78	13.62
05 58 23 00-0011	EA		8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	234.87	13.62
05 58 23 00-0012	EA		9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	250.03	13.62
05 58 23 00-0013	EA		10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	260.86	13.62
05 58 23 00-0014 Posts For 2-Rib Guard Rails <small>(05 58 23 00-0002)</small>					
Note: Includes drilling, surface mounting plate and anchors.					
05 58 23 00-0015	EA		12" Height, Single Rail Post For 2-Rib Guard Rails.....	214.54	28.37
05 58 23 00-0016	EA		42" Height, Triple Rail Post For 2-Rib Guard Rails.....	276.37	28.37
05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small>					
Note: Steel King Steel Guard.					
05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small>					
Note: Excludes posts. Includes fasteners.					
05 58 23 00-0019	EA		1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	116.42	13.62
05 58 23 00-0020	EA		2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	128.25	13.62
05 58 23 00-0021	EA		3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	143.02	13.62
05 58 23 00-0022	EA		4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	156.83	13.62
05 58 23 00-0023	EA		5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	172.81	13.62
05 58 23 00-0024	EA		6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	180.50	13.62
05 58 23 00-0025	EA		7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	199.03	13.62
05 58 23 00-0026	EA		8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	214.67	13.62
05 58 23 00-0027	EA		9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	231.27	13.62
05 58 23 00-0028	EA		10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	248.11	13.62
05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small>					
Note: Excludes posts. Includes fasteners and lift-out mounting plate.					
05 58 23 00-0030	EA		1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	169.68	13.62
05 58 23 00-0031	EA		2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	182.67	13.62
05 58 23 00-0032	EA		3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	196.14	13.62
05 58 23 00-0033	EA		4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	211.78	13.62
05 58 23 00-0034	EA		5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	227.42	13.62
05 58 23 00-0035	EA		6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	240.17	13.62
05 58 23 00-0036	EA		7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	254.84	13.62
05 58 23 00-0037	EA		8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	271.44	13.62
05 58 23 00-0038	EA		9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	289.24	13.62



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	304.88	13.62
05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041 EA 18" Height, Single Rail Post For 3-Rib Guard Rails	189.91	28.37
05 58 23 00-0042 EA 42" Height, Double Rail Post For 3-Rib Guard Rails.....	240.05	28.37
05 58 23 00-0043 All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	248.13	37.82
05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	260.16	37.82
05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	267.13	37.82
05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	277.48	37.82
05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	275.07	37.82
05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	287.82	37.82
05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	291.43	37.82
05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	295.52	37.82
05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	315.01	37.82
05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	322.71	37.82
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	337.14	37.82
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	343.16	37.82
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	372.75	37.82
05 58 23 00-0059 Warehouse Safety Bollards (05 58 23) Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	159.77	28.37
05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	183.54	28.37
05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	208.70	28.37
05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	215.58	28.37
05 58 23 00-0064 EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	231.46	28.37
05 59 Metal Specialties (05 50)		
05 59 65 Chain (05 59)		
05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65) Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	3.73	0.78
For Plastic Dipped, Add	0.33	
05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	4.99	1.04
For Plastic Dipped, Add	0.44	
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.09	2.07
For Plastic Dipped, Add	0.59	
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	13.05	3.50
For Plastic Dipped, Add	0.91	
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	22.04	5.92
For Plastic Dipped, Add	1.53	
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	30.93	8.31
For Plastic Dipped, Add	2.15	
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	41.76	10.38
For Plastic Dipped, Add	3.15	
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	59.88	13.84
For Plastic Dipped, Add	4.83	
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	96.62	20.77
For Plastic Dipped, Add	8.26	
05 59 69 Metal Panels (05 59)		
05 59 69 00-0001 Woven And Welded Wire Cloth (05 59 69) Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0113 for spot welding.		
05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels (05 59 69 00-0001)		
05 59 69 00-0003 2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels	6.59	2.22
For Up To 2 SF Panel, Add	1.91	
For >2 To 6 SF Panel, Add	1.10	
For >15 To 40 SF, Deduct	-0.18	
For >40 SF, Deduct	-0.54	
For Galvanized, Add	1.82	
For Aluminum, Add	2.18	
For 304 Stainless Steel, Add	8.71	
For 316 Stainless Steel, Add	9.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0005	SF		0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels.....	7.07	2.31
			For Up To 2 SF Panel, Add	2.03	
			For >2 To 6 SF Panel, Add	1.17	
			For >15 To 40 SF, Deduct	-0.20	
			For >40 SF, Deduct	-0.60	
			For Galvanized, Add	2.00	
			For Aluminum, Add	2.39	
			For 304 Stainless Steel, Add	9.58	
			For 316 Stainless Steel, Add	10.97	
05 59 69 00-0006	SF		0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels.....	7.53	2.56
			For Up To 2 SF Panel, Add	2.19	
			For >2 To 6 SF Panel, Add	1.26	
			For >15 To 40 SF, Deduct	-0.21	
			For >40 SF, Deduct	-0.62	
			For Galvanized, Add	2.06	
			For Aluminum, Add	2.47	
			For 304 Stainless Steel, Add	9.89	
			For 316 Stainless Steel, Add	11.33	
05 59 69 00-0007	SF		0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels.....	7.93	2.67
			For Up To 2 SF Panel, Add	2.30	
			For >2 To 6 SF Panel, Add	1.33	
			For >15 To 40 SF, Deduct	-0.22	
			For >40 SF, Deduct	-0.66	
			For Galvanized, Add	2.19	
			For Aluminum, Add	2.63	
			For 304 Stainless Steel, Add	10.51	
			For 316 Stainless Steel, Add	12.05	
05 59 69 00-0008	SF		0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels.....	8.70	2.99
			For Up To 2 SF Panel, Add	2.54	
			For >2 To 6 SF Panel, Add	1.47	
			For >15 To 40 SF, Deduct	-0.24	
			For >40 SF, Deduct	-0.71	
			For Galvanized, Add	2.36	
			For Aluminum, Add	2.83	
			For 304 Stainless Steel, Add	11.30	
			For 316 Stainless Steel, Add	12.95	
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels.....	9.97	3.33
			For Up To 2 SF Panel, Add	2.88	
			For >2 To 6 SF Panel, Add	1.66	
			For >15 To 40 SF, Deduct	-0.28	
			For >40 SF, Deduct	-0.83	
			For Galvanized, Add	2.77	
			For Aluminum, Add	3.32	
			For 304 Stainless Steel, Add	13.27	
			For 316 Stainless Steel, Add	15.21	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels.....	11.28	3.66
			For Up To 2 SF Panel, Add	3.23	
			For >2 To 6 SF Panel, Add	1.86	
			For >15 To 40 SF, Deduct	-0.32	
			For >40 SF, Deduct	-0.96	
			For Galvanized, Add	3.20	
			For Aluminum, Add	3.84	
			For 304 Stainless Steel, Add	15.36	
			For 316 Stainless Steel, Add	17.60	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	12.90	4.07
			For Up To 2 SF Panel, Add	3.67	
			For >2 To 6 SF Panel, Add	2.10	
			For >15 To 40 SF, Deduct	-0.37	
			For >40 SF, Deduct	-1.12	
			For Galvanized, Add	3.74	
			For Aluminum, Add	4.48	
			For 304 Stainless Steel, Add	17.93	
			For 316 Stainless Steel, Add	20.54	
05 59 69 00-0012			1-3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	6.91	2.35
			For Up To 2 SF Panel, Add	2.01	
			For >2 To 6 SF Panel, Add	1.16	
			For >15 To 40 SF, Deduct	-0.19	
			For >40 SF, Deduct	-0.57	
			For Galvanized, Add	1.89	
			For Aluminum, Add	2.27	
			For 304 Stainless Steel, Add	9.07	
			For 316 Stainless Steel, Add	10.40	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	7.58	2.48
			For Up To 2 SF Panel, Add	2.18	
			For >2 To 6 SF Panel, Add	1.25	
			For >15 To 40 SF, Deduct	-0.21	
			For >40 SF, Deduct	-0.64	
			For Galvanized, Add	2.14	
			For Aluminum, Add	2.57	
			For 304 Stainless Steel, Add	10.27	
			For 316 Stainless Steel, Add	11.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0015 SF 0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	8.18	2.78
For Up To 2 SF Panel, Add	2.38	
For >2 To 6 SF Panel, Add	1.37	
For >15 To 40 SF, Deduct	-0.22	
For >40 SF, Deduct	-0.67	
For Galvanized, Add	2.24	
For Aluminum, Add	2.68	
For 304 Stainless Steel, Add	10.73	
For 316 Stainless Steel, Add	12.29	
05 59 69 00-0016 SF 0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	8.54	2.87
For Up To 2 SF Panel, Add	2.47	
For >2 To 6 SF Panel, Add	1.43	
For >15 To 40 SF, Deduct	-0.24	
For >40 SF, Deduct	-0.71	
For Galvanized, Add	2.36	
For Aluminum, Add	2.83	
For 304 Stainless Steel, Add	11.30	
For 316 Stainless Steel, Add	12.95	
05 59 69 00-0017 SF 0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	9.36	3.21
For Up To 2 SF Panel, Add	2.73	
For >2 To 6 SF Panel, Add	1.58	
For >15 To 40 SF, Deduct	-0.25	
For >40 SF, Deduct	-0.76	
For Galvanized, Add	2.54	
For Aluminum, Add	3.04	
For 304 Stainless Steel, Add	12.17	
For 316 Stainless Steel, Add	13.94	
05 59 69 00-0018 SF 0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	10.73	3.58
For Up To 2 SF Panel, Add	3.10	
For >2 To 6 SF Panel, Add	1.79	
For >15 To 40 SF, Deduct	-0.30	
For >40 SF, Deduct	-0.89	
For Galvanized, Add	2.98	
For Aluminum, Add	3.57	
For 304 Stainless Steel, Add	14.28	
For 316 Stainless Steel, Add	16.36	
05 59 69 00-0019 SF 0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	12.12	3.94
For Up To 2 SF Panel, Add	3.47	
For >2 To 6 SF Panel, Add	2.00	
For >15 To 40 SF, Deduct	-0.34	
For >40 SF, Deduct	-1.03	
For Galvanized, Add	3.44	
For Aluminum, Add	4.12	
For 304 Stainless Steel, Add	16.49	
For 316 Stainless Steel, Add	18.89	
05 59 69 00-0020 SF 0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	13.88	4.38
For Up To 2 SF Panel, Add	3.94	
For >2 To 6 SF Panel, Add	2.26	
For >15 To 40 SF, Deduct	-0.40	
For >40 SF, Deduct	-1.21	
For Galvanized, Add	4.02	
For Aluminum, Add	4.82	
For 304 Stainless Steel, Add	19.30	
For 316 Stainless Steel, Add	22.11	
05 59 69 00-0021 1-1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	7.66	2.61
For Up To 2 SF Panel, Add	2.23	
For >2 To 6 SF Panel, Add	1.29	
For >15 To 40 SF, Deduct	-0.21	
For >40 SF, Deduct	-0.63	
For Galvanized, Add	2.10	
For Aluminum, Add	2.51	
For 304 Stainless Steel, Add	10.06	
For 316 Stainless Steel, Add	11.52	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	8.38	2.74
For Up To 2 SF Panel, Add	2.41	
For >2 To 6 SF Panel, Add	1.39	
For >15 To 40 SF, Deduct	-0.24	
For >40 SF, Deduct	-0.71	
For Galvanized, Add	2.37	
For Aluminum, Add	2.84	
For 304 Stainless Steel, Add	11.35	
For 316 Stainless Steel, Add	13.01	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	8.95	3.04
For Up To 2 SF Panel, Add	2.60	
For >2 To 6 SF Panel, Add	1.50	
For >15 To 40 SF, Deduct	-0.24	
For >40 SF, Deduct	-0.73	
For Galvanized, Add	2.45	
For Aluminum, Add	2.93	
For 304 Stainless Steel, Add	11.74	
For 316 Stainless Steel, Add	13.45	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0025	SF		0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	9.42	3.16
			<i>For Up To 2 SF Panel, Add</i>	2.73	
			<i>For >2 To 6 SF Panel, Add</i>	1.58	
			<i>For >15 To 40 SF, Deduct</i>	-0.26	
			<i>For >40 SF, Deduct</i>	-0.78	
			<i>For Galvanized, Add</i>	2.60	
			<i>For Aluminum, Add</i>	3.12	
			<i>For 304 Stainless Steel, Add</i>	12.48	
			<i>For 316 Stainless Steel, Add</i>	14.30	
05 59 69 00-0026	SF		0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.29	3.53
			<i>For Up To 2 SF Panel, Add</i>	3.00	
			<i>For >2 To 6 SF Panel, Add</i>	1.74	
			<i>For >15 To 40 SF, Deduct</i>	-0.28	
			<i>For >40 SF, Deduct</i>	-0.84	
			<i>For Galvanized, Add</i>	2.79	
			<i>For Aluminum, Add</i>	3.34	
			<i>For 304 Stainless Steel, Add</i>	13.37	
			<i>For 316 Stainless Steel, Add</i>	15.32	
05 59 69 00-0027	SF		0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	11.73	3.92
			<i>For Up To 2 SF Panel, Add</i>	3.39	
			<i>For >2 To 6 SF Panel, Add</i>	1.96	
			<i>For >15 To 40 SF, Deduct</i>	-0.33	
			<i>For >40 SF, Deduct</i>	-0.98	
			<i>For Galvanized, Add</i>	3.25	
			<i>For Aluminum, Add</i>	3.90	
			<i>For 304 Stainless Steel, Add</i>	15.60	
			<i>For 316 Stainless Steel, Add</i>	17.88	
05 59 69 00-0028	SF		0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	13.26	4.31
			<i>For Up To 2 SF Panel, Add</i>	3.80	
			<i>For >2 To 6 SF Panel, Add</i>	2.19	
			<i>For >15 To 40 SF, Deduct</i>	-0.38	
			<i>For >40 SF, Deduct</i>	-1.13	
			<i>For Galvanized, Add</i>	3.76	
			<i>For Aluminum, Add</i>	4.51	
			<i>For 304 Stainless Steel, Add</i>	18.05	
			<i>For 316 Stainless Steel, Add</i>	20.68	
05 59 69 00-0029	SF		0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	15.13	4.77
			<i>For Up To 2 SF Panel, Add</i>	4.30	
			<i>For >2 To 6 SF Panel, Add</i>	2.47	
			<i>For >15 To 40 SF, Deduct</i>	-0.44	
			<i>For >40 SF, Deduct</i>	-1.32	
			<i>For Galvanized, Add</i>	4.39	
			<i>For Aluminum, Add</i>	5.26	
			<i>For 304 Stainless Steel, Add</i>	21.05	
			<i>For 316 Stainless Steel, Add</i>	24.12	
05 59 69 00-0030			1-1/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	7.87	2.82
			<i>For Up To 2 SF Panel, Add</i>	2.33	
			<i>For >2 To 6 SF Panel, Add</i>	1.35	
			<i>For >15 To 40 SF, Deduct</i>	-0.21	
			<i>For >40 SF, Deduct</i>	-0.62	
			<i>For Galvanized, Add</i>	2.05	
			<i>For Aluminum, Add</i>	2.46	
			<i>For 304 Stainless Steel, Add</i>	9.84	
			<i>For 316 Stainless Steel, Add</i>	11.28	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	8.49	2.96
			<i>For Up To 2 SF Panel, Add</i>	2.49	
			<i>For >2 To 6 SF Panel, Add</i>	1.44	
			<i>For >15 To 40 SF, Deduct</i>	-0.23	
			<i>For >40 SF, Deduct</i>	-0.68	
			<i>For Galvanized, Add</i>	2.27	
			<i>For Aluminum, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	10.90	
			<i>For 316 Stainless Steel, Add</i>	12.49	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.19	3.08
			<i>For Up To 2 SF Panel, Add</i>	2.66	
			<i>For >2 To 6 SF Panel, Add</i>	1.54	
			<i>For >15 To 40 SF, Deduct</i>	-0.25	
			<i>For >40 SF, Deduct</i>	-0.76	
			<i>For Galvanized, Add</i>	2.54	
			<i>For Aluminum, Add</i>	3.05	
			<i>For 304 Stainless Steel, Add</i>	12.19	
			<i>For 316 Stainless Steel, Add</i>	13.97	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	9.47	3.14
			<i>For Up To 2 SF Panel, Add</i>	2.73	
			<i>For >2 To 6 SF Panel, Add</i>	1.58	
			<i>For >15 To 40 SF, Deduct</i>	-0.26	
			<i>For >40 SF, Deduct</i>	-0.79	
			<i>For Galvanized, Add</i>	2.64	
			<i>For Aluminum, Add</i>	3.17	
			<i>For 304 Stainless Steel, Add</i>	12.67	
			<i>For 316 Stainless Steel, Add</i>	14.52	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0035	SF			0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.28	3.54
				For Up To 2 SF Panel, Add	3.00	
				For >2 To 6 SF Panel, Add	1.74	
				For >15 To 40 SF, Deduct	-0.28	
				For >40 SF, Deduct	-0.83	
				For Galvanized, Add	2.78	
				For Aluminum, Add	3.34	
				For 304 Stainless Steel, Add	13.34	
				For 316 Stainless Steel, Add	15.29	
05 59 69 00-0036	SF			0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	11.60	3.99
				For Up To 2 SF Panel, Add	3.38	
				For >2 To 6 SF Panel, Add	1.96	
				For >15 To 40 SF, Deduct	-0.31	
				For >40 SF, Deduct	-0.94	
				For Galvanized, Add	3.14	
				For Aluminum, Add	3.77	
				For 304 Stainless Steel, Add	15.07	
				For 316 Stainless Steel, Add	17.27	
05 59 69 00-0037	SF			0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	13.15	4.40
				For Up To 2 SF Panel, Add	3.80	
				For >2 To 6 SF Panel, Add	2.19	
				For >15 To 40 SF, Deduct	-0.36	
				For >40 SF, Deduct	-1.09	
				For Galvanized, Add	3.65	
				For Aluminum, Add	4.37	
				For 304 Stainless Steel, Add	17.50	
				For 316 Stainless Steel, Add	20.05	
05 59 69 00-0038	SF			0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	14.81	4.81
				For Up To 2 SF Panel, Add	4.24	
				For >2 To 6 SF Panel, Add	2.44	
				For >15 To 40 SF, Deduct	-0.42	
				For >40 SF, Deduct	-1.26	
				For Galvanized, Add	4.20	
				For Aluminum, Add	5.04	
				For 304 Stainless Steel, Add	20.16	
				For 316 Stainless Steel, Add	23.10	
05 59 69 00-0039	SF			0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	16.93	5.35
				For Up To 2 SF Panel, Add	4.81	
				For >2 To 6 SF Panel, Add	2.76	
				For >15 To 40 SF, Deduct	-0.49	
				For >40 SF, Deduct	-1.47	
				For Galvanized, Add	4.91	
				For Aluminum, Add	5.89	
				For 304 Stainless Steel, Add	23.54	
				For 316 Stainless Steel, Add	26.98	
05 59 69 00-0040				1" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0041	SF			0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	8.99	3.30
				For Up To 2 SF Panel, Add	2.68	
				For >2 To 6 SF Panel, Add	1.56	
				For >15 To 40 SF, Deduct	-0.23	
				For >40 SF, Deduct	-0.69	
				For Galvanized, Add	2.30	
				For Aluminum, Add	2.75	
				For 304 Stainless Steel, Add	11.02	
				For 316 Stainless Steel, Add	12.62	
05 59 69 00-0042	SF			0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.62	3.44
				For Up To 2 SF Panel, Add	2.84	
				For >2 To 6 SF Panel, Add	1.65	
				For >15 To 40 SF, Deduct	-0.25	
				For >40 SF, Deduct	-0.76	
				For Galvanized, Add	2.52	
				For Aluminum, Add	3.02	
				For 304 Stainless Steel, Add	12.10	
				For 316 Stainless Steel, Add	13.86	
05 59 69 00-0043	SF			0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	10.02	3.58
				For Up To 2 SF Panel, Add	2.96	
				For >2 To 6 SF Panel, Add	1.72	
				For >15 To 40 SF, Deduct	-0.26	
				For >40 SF, Deduct	-0.78	
				For Galvanized, Add	2.62	
				For Aluminum, Add	3.14	
				For 304 Stainless Steel, Add	12.55	
				For 316 Stainless Steel, Add	14.38	
05 59 69 00-0044	SF			0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	10.71	3.63
				For Up To 2 SF Panel, Add	3.11	
				For >2 To 6 SF Panel, Add	1.80	
				For >15 To 40 SF, Deduct	-0.29	
				For >40 SF, Deduct	-0.88	
				For Galvanized, Add	2.93	
				For Aluminum, Add	3.51	
				For 304 Stainless Steel, Add	14.04	
				For 316 Stainless Steel, Add	16.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	11.92	4.11
			<i>For Up To 2 SF Panel, Add</i>	3.48	
			<i>For >2 To 6 SF Panel, Add</i>	2.01	
			<i>For >15 To 40 SF, Deduct</i>	-0.32	
			<i>For >40 SF, Deduct</i>	-0.97	
			<i>For Galvanized, Add</i>	3.22	
			<i>For Aluminum, Add</i>	3.86	
			<i>For 304 Stainless Steel, Add</i>	15.46	
			<i>For 316 Stainless Steel, Add</i>	17.71	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels.....	13.37	4.59
			<i>For Up To 2 SF Panel, Add</i>	3.90	
			<i>For >2 To 6 SF Panel, Add</i>	2.26	
			<i>For >15 To 40 SF, Deduct</i>	-0.36	
			<i>For >40 SF, Deduct</i>	-1.09	
			<i>For Galvanized, Add</i>	3.62	
			<i>For Aluminum, Add</i>	4.34	
			<i>For 304 Stainless Steel, Add</i>	17.38	
			<i>For 316 Stainless Steel, Add</i>	19.91	
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels.....	15.27	5.10
			<i>For Up To 2 SF Panel, Add</i>	4.42	
			<i>For >2 To 6 SF Panel, Add</i>	2.55	
			<i>For >15 To 40 SF, Deduct</i>	-0.42	
			<i>For >40 SF, Deduct</i>	-1.27	
			<i>For Galvanized, Add</i>	4.23	
			<i>For Aluminum, Add</i>	5.08	
			<i>For 304 Stainless Steel, Add</i>	20.30	
			<i>For 316 Stainless Steel, Add</i>	23.27	
05 59 69 00-0048	SF		0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels.....	17.15	5.58
			<i>For Up To 2 SF Panel, Add</i>	4.92	
			<i>For >2 To 6 SF Panel, Add</i>	2.83	
			<i>For >15 To 40 SF, Deduct</i>	-0.49	
			<i>For >40 SF, Deduct</i>	-1.46	
			<i>For Galvanized, Add</i>	4.86	
			<i>For Aluminum, Add</i>	5.83	
			<i>For 304 Stainless Steel, Add</i>	23.33	
			<i>For 316 Stainless Steel, Add</i>	26.73	
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels.....	19.54	6.16
			<i>For Up To 2 SF Panel, Add</i>	5.55	
			<i>For >2 To 6 SF Panel, Add</i>	3.19	
			<i>For >15 To 40 SF, Deduct</i>	-0.57	
			<i>For >40 SF, Deduct</i>	-1.70	
			<i>For Galvanized, Add</i>	5.66	
			<i>For Aluminum, Add</i>	6.79	
			<i>For 304 Stainless Steel, Add</i>	27.17	
			<i>For 316 Stainless Steel, Add</i>	31.13	
05 59 69 00-0050			3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	9.09	3.30
			<i>For Up To 2 SF Panel, Add</i>	2.70	
			<i>For >2 To 6 SF Panel, Add</i>	1.57	
			<i>For >15 To 40 SF, Deduct</i>	-0.24	
			<i>For >40 SF, Deduct</i>	-0.71	
			<i>For Galvanized, Add</i>	2.35	
			<i>For Aluminum, Add</i>	2.82	
			<i>For 304 Stainless Steel, Add</i>	11.28	
			<i>For 316 Stainless Steel, Add</i>	12.93	
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	10.15	3.70
			<i>For Up To 2 SF Panel, Add</i>	3.01	
			<i>For >2 To 6 SF Panel, Add</i>	1.75	
			<i>For >15 To 40 SF, Deduct</i>	-0.26	
			<i>For >40 SF, Deduct</i>	-0.78	
			<i>For Galvanized, Add</i>	2.62	
			<i>For Aluminum, Add</i>	3.14	
			<i>For 304 Stainless Steel, Add</i>	12.55	
			<i>For 316 Stainless Steel, Add</i>	14.38	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	11.26	4.18
			<i>For Up To 2 SF Panel, Add</i>	3.37	
			<i>For >2 To 6 SF Panel, Add</i>	1.96	
			<i>For >15 To 40 SF, Deduct</i>	-0.28	
			<i>For >40 SF, Deduct</i>	-0.85	
			<i>For Galvanized, Add</i>	2.85	
			<i>For Aluminum, Add</i>	3.41	
			<i>For 304 Stainless Steel, Add</i>	13.66	
			<i>For 316 Stainless Steel, Add</i>	15.65	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	12.16	4.45
			<i>For Up To 2 SF Panel, Add</i>	3.62	
			<i>For >2 To 6 SF Panel, Add</i>	2.11	
			<i>For >15 To 40 SF, Deduct</i>	-0.31	
			<i>For >40 SF, Deduct</i>	-0.93	
			<i>For Galvanized, Add</i>	3.11	
			<i>For Aluminum, Add</i>	3.73	
			<i>For 304 Stainless Steel, Add</i>	14.93	
			<i>For 316 Stainless Steel, Add</i>	17.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels	14.04	5.01
			<i>For Up To 2 SF Panel, Add</i>	4.14	
			<i>For >2 To 6 SF Panel, Add</i>	2.41	
			<i>For >15 To 40 SF, Deduct</i>	-0.37	
			<i>For >40 SF, Deduct</i>	-1.10	
			<i>For Galvanized, Add</i>	3.68	
			<i>For Aluminum, Add</i>	4.42	
			<i>For 304 Stainless Steel, Add</i>	17.66	
			<i>For 316 Stainless Steel, Add</i>	20.24	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels	16.13	5.60
			<i>For Up To 2 SF Panel, Add</i>	4.72	
			<i>For >2 To 6 SF Panel, Add</i>	2.73	
			<i>For >15 To 40 SF, Deduct</i>	-0.43	
			<i>For >40 SF, Deduct</i>	-1.30	
			<i>For Galvanized, Add</i>	4.33	
			<i>For Aluminum, Add</i>	5.20	
			<i>For 304 Stainless Steel, Add</i>	20.78	
			<i>For 316 Stainless Steel, Add</i>	23.82	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels	18.34	6.19
			<i>For Up To 2 SF Panel, Add</i>	5.32	
			<i>For >2 To 6 SF Panel, Add</i>	3.07	
			<i>For >15 To 40 SF, Deduct</i>	-0.50	
			<i>For >40 SF, Deduct</i>	-1.51	
			<i>For Galvanized, Add</i>	5.04	
			<i>For Aluminum, Add</i>	6.05	
			<i>For 304 Stainless Steel, Add</i>	24.19	
			<i>For 316 Stainless Steel, Add</i>	27.72	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels	20.51	6.73
			<i>For Up To 2 SF Panel, Add</i>	5.90	
			<i>For >2 To 6 SF Panel, Add</i>	3.40	
			<i>For >15 To 40 SF, Deduct</i>	-0.58	
			<i>For >40 SF, Deduct</i>	-1.73	
			<i>For Galvanized, Add</i>	5.77	
			<i>For Aluminum, Add</i>	6.92	
			<i>For 304 Stainless Steel, Add</i>	27.70	
			<i>For 316 Stainless Steel, Add</i>	31.74	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	23.35	7.44
			<i>For Up To 2 SF Panel, Add</i>	6.65	
			<i>For >2 To 6 SF Panel, Add</i>	3.82	
			<i>For >15 To 40 SF, Deduct</i>	-0.67	
			<i>For >40 SF, Deduct</i>	-2.01	
			<i>For Galvanized, Add</i>	6.72	
			<i>For Aluminum, Add</i>	8.06	
			<i>For 304 Stainless Steel, Add</i>	32.23	
			<i>For 316 Stainless Steel, Add</i>	36.93	
05 59 69 00-0060			1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	9.51	3.53
			<i>For Up To 2 SF Panel, Add</i>	2.84	
			<i>For >2 To 6 SF Panel, Add</i>	1.66	
			<i>For >15 To 40 SF, Deduct</i>	-0.24	
			<i>For >40 SF, Deduct</i>	-0.72	
			<i>For Galvanized, Add</i>	2.41	
			<i>For Aluminum, Add</i>	2.89	
			<i>For 304 Stainless Steel, Add</i>	11.54	
			<i>For 316 Stainless Steel, Add</i>	13.23	
05 59 69 00-0062	SF		0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	11.15	4.29
			<i>For Up To 2 SF Panel, Add</i>	3.37	
			<i>For >2 To 6 SF Panel, Add</i>	1.97	
			<i>For >15 To 40 SF, Deduct</i>	-0.27	
			<i>For >40 SF, Deduct</i>	-0.81	
			<i>For Galvanized, Add</i>	2.72	
			<i>For Aluminum, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	13.03	
			<i>For 316 Stainless Steel, Add</i>	14.93	
05 59 69 00-0063	SF		0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	13.47	5.07
			<i>For Up To 2 SF Panel, Add</i>	4.05	
			<i>For >2 To 6 SF Panel, Add</i>	2.36	
			<i>For >15 To 40 SF, Deduct</i>	-0.34	
			<i>For >40 SF, Deduct</i>	-1.01	
			<i>For Galvanized, Add</i>	3.35	
			<i>For Aluminum, Add</i>	4.02	
			<i>For 304 Stainless Steel, Add</i>	16.08	
			<i>For 316 Stainless Steel, Add</i>	18.43	
05 59 69 00-0064	SF		0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	15.50	5.69
			<i>For Up To 2 SF Panel, Add</i>	4.62	
			<i>For >2 To 6 SF Panel, Add</i>	2.69	
			<i>For >15 To 40 SF, Deduct</i>	-0.40	
			<i>For >40 SF, Deduct</i>	-1.19	
			<i>For Galvanized, Add</i>	3.96	
			<i>For Aluminum, Add</i>	4.75	
			<i>For 304 Stainless Steel, Add</i>	18.98	
			<i>For 316 Stainless Steel, Add</i>	21.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels.....	17.78	6.35
			<i>For Up To 2 SF Panel, Add</i>	5.25	
			<i>For >2 To 6 SF Panel, Add</i>	3.05	
			<i>For >15 To 40 SF, Deduct</i>	-0.47	
			<i>For >40 SF, Deduct</i>	-1.40	
			<i>For Galvanized, Add</i>	4.65	
			<i>For Aluminum, Add</i>	5.58	
			<i>For 304 Stainless Steel, Add</i>	22.32	
			<i>For 316 Stainless Steel, Add</i>	25.58	
05 59 69 00-0066	SF		0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels.....	20.35	7.08
			<i>For Up To 2 SF Panel, Add</i>	5.96	
			<i>For >2 To 6 SF Panel, Add</i>	3.45	
			<i>For >15 To 40 SF, Deduct</i>	-0.55	
			<i>For >40 SF, Deduct</i>	-1.64	
			<i>For Galvanized, Add</i>	5.46	
			<i>For Aluminum, Add</i>	6.55	
			<i>For 304 Stainless Steel, Add</i>	26.18	
			<i>For 316 Stainless Steel, Add</i>	30.00	
05 59 69 00-0067	SF		0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels.....	22.99	7.78
			<i>For Up To 2 SF Panel, Add</i>	6.67	
			<i>For >2 To 6 SF Panel, Add</i>	3.85	
			<i>For >15 To 40 SF, Deduct</i>	-0.63	
			<i>For >40 SF, Deduct</i>	-1.89	
			<i>For Galvanized, Add</i>	6.31	
			<i>For Aluminum, Add</i>	7.57	
			<i>For 304 Stainless Steel, Add</i>	30.29	
			<i>For 316 Stainless Steel, Add</i>	34.71	
05 59 69 00-0068	SF		0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels.....	25.65	8.44
			<i>For Up To 2 SF Panel, Add</i>	7.38	
			<i>For >2 To 6 SF Panel, Add</i>	4.25	
			<i>For >15 To 40 SF, Deduct</i>	-0.72	
			<i>For >40 SF, Deduct</i>	-2.16	
			<i>For Galvanized, Add</i>	7.20	
			<i>For Aluminum, Add</i>	8.64	
			<i>For 304 Stainless Steel, Add</i>	34.56	
			<i>For 316 Stainless Steel, Add</i>	39.60	
05 59 69 00-0069	SF		0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels.....	26.77	9.28
			<i>For Up To 2 SF Panel, Add</i>	7.83	
			<i>For >2 To 6 SF Panel, Add</i>	4.53	
			<i>For >15 To 40 SF, Deduct</i>	-0.72	
			<i>For >40 SF, Deduct</i>	-2.16	
			<i>For Galvanized, Add</i>	7.20	
			<i>For Aluminum, Add</i>	8.64	
			<i>For 304 Stainless Steel, Add</i>	34.56	
			<i>For 316 Stainless Steel, Add</i>	39.60	
05 59 69 00-0070	Expanded Metal Panels <small>(05 59 69)</small>				
	Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0113 for spot welding.				
05 59 69 00-0071	Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small>				
	Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0113 for spot welding.				
05 59 69 00-0072	SF		1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	8.21	3.04
			<i>For Galvanized, Add</i>	2.08	
			<i>For Aluminum, Add</i>	2.49	
			<i>For 304 Stainless Steel, Add</i>	9.96	
			<i>For 316 Stainless Steel, Add</i>	11.41	
05 59 69 00-0073	SF		1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	10.30	3.33
			<i>For Galvanized, Add</i>	2.93	
			<i>For Aluminum, Add</i>	3.52	
			<i>For 304 Stainless Steel, Add</i>	14.06	
			<i>For 316 Stainless Steel, Add</i>	16.12	
05 59 69 00-0074	SF		1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	5.91	2.35
			<i>For Galvanized, Add</i>	1.39	
			<i>For Aluminum, Add</i>	1.67	
			<i>For 304 Stainless Steel, Add</i>	6.67	
			<i>For 316 Stainless Steel, Add</i>	7.65	
05 59 69 00-0075	SF		1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	6.46	2.56
			<i>For Galvanized, Add</i>	1.53	
			<i>For Aluminum, Add</i>	1.83	
			<i>For 304 Stainless Steel, Add</i>	7.32	
			<i>For 316 Stainless Steel, Add</i>	8.39	
05 59 69 00-0076	SF		1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	7.32	3.04
			<i>For Galvanized, Add</i>	1.63	
			<i>For Aluminum, Add</i>	1.96	
			<i>For 304 Stainless Steel, Add</i>	7.82	
			<i>For 316 Stainless Steel, Add</i>	8.97	
05 59 69 00-0077	SF		1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	9.37	3.92
			<i>For Galvanized, Add</i>	2.07	
			<i>For Aluminum, Add</i>	2.48	
			<i>For 304 Stainless Steel, Add</i>	9.94	
			<i>For 316 Stainless Steel, Add</i>	11.39	
05 59 69 00-0078	SF		3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	5.16	2.31
			<i>For Galvanized, Add</i>	1.04	
			<i>For Aluminum, Add</i>	1.25	
			<i>For 304 Stainless Steel, Add</i>	4.99	
			<i>For 316 Stainless Steel, Add</i>	5.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	5.78	2.48
<i>For Galvanized, Add</i>	1.24	
<i>For Aluminum, Add</i>	1.49	
<i>For 304 Stainless Steel, Add</i>	5.95	
<i>For 316 Stainless Steel, Add</i>	6.82	
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	6.60	2.78
<i>For Galvanized, Add</i>	1.45	
<i>For Aluminum, Add</i>	1.73	
<i>For 304 Stainless Steel, Add</i>	6.94	
<i>For 316 Stainless Steel, Add</i>	7.95	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF	10.41	4.59
<i>For Galvanized, Add</i>	2.14	
<i>For Aluminum, Add</i>	2.57	
<i>For 304 Stainless Steel, Add</i>	10.27	
<i>For 316 Stainless Steel, Add</i>	11.77	
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	5.78	2.82
<i>For Galvanized, Add</i>	1.01	
<i>For Aluminum, Add</i>	1.21	
<i>For 304 Stainless Steel, Add</i>	4.82	
<i>For 316 Stainless Steel, Add</i>	5.53	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	4.98	2.22
<i>For Galvanized, Add</i>	1.01	
<i>For Aluminum, Add</i>	1.21	
<i>For 304 Stainless Steel, Add</i>	4.85	
<i>For 316 Stainless Steel, Add</i>	5.56	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	5.75	2.61
<i>For Galvanized, Add</i>	1.14	
<i>For Aluminum, Add</i>	1.37	
<i>For 304 Stainless Steel, Add</i>	5.47	
<i>For 316 Stainless Steel, Add</i>	6.27	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	8.90	3.53
<i>For Galvanized, Add</i>	2.10	
<i>For Aluminum, Add</i>	2.52	
<i>For 304 Stainless Steel, Add</i>	10.08	
<i>For 316 Stainless Steel, Add</i>	11.55	

05 70 Decorative Metal ⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs ^(05 70)

05 71 13 Fabricated Metal Spiral Stairs ^(05 71)

Note: Includes factory prime.

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

Note: Includes factory prime.

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

05 71 13 00-0003 VLF 3'-6" Diameter, Spiral Steel Stair With Rails	255.21	40.40
<i>For Galvanized, Add</i>	122.10	
05 71 13 00-0004 VLF 4' Diameter, Spiral Steel Stair With Rails	289.66	44.44
<i>For Galvanized, Add</i>	140.56	
05 71 13 00-0005 VLF 4'-6" Diameter, Spiral Steel Stair With Rails	320.05	48.47
<i>For Galvanized, Add</i>	156.18	
05 71 13 00-0006 VLF 5' Diameter, Spiral Steel Stair With Rails	343.35	52.51
<i>For Galvanized, Add</i>	166.83	

05 73 Decorative Metal Railings ^(05 70)

Note: Factory primed. Includes brackets.

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

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

05 73 00 00-0002 LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail	88.03	8.89
<i>For Rake Or Angle Railings, Add</i>	9.89	
<i>For Curved Railings, Add</i>	29.92	
<i>For 4" On Center Standards, Add</i>	3.92	
<i>For 4-1/2" On Center Standards, Add</i>	3.13	
<i>For 5" On Center Standards, Add</i>	2.09	
<i>For 5-1/2" On Center Standards, Add</i>	1.04	
<i>For Each Field Bending Of Rails, Add</i>	11.45	
<i>For Galvanized, Add</i>	7.31	
05 73 00 00-0003 LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail	91.08	12.12
<i>For Rake Or Angle Railings, Add</i>	11.62	
<i>For Curved Railings, Add</i>	27.05	
<i>For 4" On Center Standards, Add</i>	3.14	
<i>For 4-1/2" On Center Standards, Add</i>	2.51	
<i>For 5" On Center Standards, Add</i>	1.67	
<i>For 5-1/2" On Center Standards, Add</i>	0.84	
<i>For Each Field Bending Of Rails, Add</i>	14.81	

05 Metals**05 70 Decorative Metal****05 73 Decorative Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 00 00-0004	LF		Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail.....	182.92	20.19
			<i>For Rake Or Angle Railings, Add</i>	20.18	
			<i>For Curved Railings, Add</i>	63.22	
			<i>For 4" On Center Standards, Add</i>	8.39	
			<i>For 4-1/2" On Center Standards, Add</i>	6.71	
			<i>For 5" On Center Standards, Add</i>	4.47	
			<i>For 5-1/2" On Center Standards, Add</i>	2.24	
			<i>For Each Field Bending Of Rails, Add</i>	20.27	
05 73 00 00-0005	LF		Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail	184.16	16.15
			<i>For Rake Or Angle Railings, Add</i>	19.63	
			<i>For Curved Railings, Add</i>	65.56	
			<i>For 4" On Center Standards, Add</i>	8.89	
			<i>For 4-1/2" On Center Standards, Add</i>	7.11	
			<i>For 5" On Center Standards, Add</i>	4.74	
			<i>For 5-1/2" On Center Standards, Add</i>	2.37	
			<i>For Each Field Bending Of Rails, Add</i>	18.90	
05 73 00 00-0006	LF		Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail	87.19	24.64
			<i>For Rake Or Angle Railings, Add</i>	11.37	
			<i>For Curved Railings, Add</i>	25.21	
			<i>For 4" On Center Standards, Add</i>	2.84	
			<i>For 4-1/2" On Center Standards, Add</i>	2.27	
			<i>For 5" On Center Standards, Add</i>	1.52	
			<i>For 5-1/2" On Center Standards, Add</i>	0.76	
			<i>For Each Field Bending Of Rails, Add</i>	14.82	
05 73 00 00-0007			Laminated Metal Or Wood Handrails With Metal Supports <small>(05 73)</small>		
05 73 00 00-0008	LF		2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	208.12	4.04
			<i>For Rake Or Angle Railings, Add</i>	15.37	
			<i>For Curved Railings, Add</i>	93.22	
			<i>For 4" On Center Standards, Add</i>	14.53	
			<i>For 4-1/2" On Center Standards, Add</i>	11.63	
			<i>For 5" On Center Standards, Add</i>	7.75	
			<i>For 5-1/2" On Center Standards, Add</i>	3.88	
			<i>For Each Field Bending Of Rails, Add</i>	6.09	
05 73 00 00-0009			Plain Handrails <small>(05 73)</small>		
05 73 00 00-0010	LF		2" Brass Handrail	33.70	8.99
05 73 00 00-0011	EA		90 Degree Angle For 2" Brass Handrail	79.95	31.77
05 73 00 00-0012	EA		End Cap For 2" Brass Handrail	37.78	15.93
05 73 00 00-0013	EA		Brass Bracket And Joint For 2" Brass Handrail.....	61.28	31.77
05 73 00 00-0014	LF		2" Stainless Steel Handrail.....	60.92	16.34
05 73 00 00-0015			Restoration Of Existing Metal Handrail And Railing <small>(05 73)</small>		
			Note: Task include rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0371 for painting.		
05 73 00 00-0016	LF		Refinish Metal Handrail	8.00	
05 73 00 00-0017	LF		Refinish Wrought Iron Balustrade	7.91	
05 73 00 00-0018			Remove And Reinstall Ornamental Railing <small>(05 73)</small>		
05 73 00 00-0019	LF		Remove And Reinstall Ornamental Handrail And Pickets.....	74.32	
05 75 Decorative Formed Metal <small>(05 70)</small>					
05 75 00 00-0001			Metal Sheets, Installed On Walls <small>(05 75)</small>		
			Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.		
05 75 00 00-0002			Copper Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0003	SF		0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	16.55	1.58
			<i>For >16 To 200 SF, Deduct</i>	-0.99	
			<i>For >200 To 500 SF, Deduct</i>	-1.97	
			<i>For >500 SF, Deduct</i>	-2.80	
05 75 00 00-0004	SF		0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	20.27	1.77
			<i>For >16 To 200 SF, Deduct</i>	-1.19	
			<i>For >200 To 500 SF, Deduct</i>	-2.38	
			<i>For >500 SF, Deduct</i>	-3.39	
05 75 00 00-0005	SF		0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	22.15	1.91
			<i>For >16 To 200 SF, Deduct</i>	-1.30	
			<i>For >200 To 500 SF, Deduct</i>	-2.60	
			<i>For >500 SF, Deduct</i>	-3.70	
05 75 00 00-0006	SF		0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	23.81	2.00
			<i>For >16 To 200 SF, Deduct</i>	-1.39	
			<i>For >200 To 500 SF, Deduct</i>	-2.78	
			<i>For >500 SF, Deduct</i>	-3.97	
05 75 00 00-0007	SF		0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	26.83	2.10
			<i>For >16 To 200 SF, Deduct</i>	-1.55	
			<i>For >200 To 500 SF, Deduct</i>	-3.10	
			<i>For >500 SF, Deduct</i>	-4.44	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0008	SF			0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	33.18 -1.88 -3.76 -5.42	2.19
05 75 00 00-0009	SF			0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	38.37 -2.15 -4.29 -6.21	2.29
05 75 00 00-0010	SF			0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	45.94 -2.54 -5.09 -7.39	2.48
05 75 00 00-0011	SF			0.08" Thick Copper Sheet, Installed On Walls <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	55.78 -3.06 -6.11 -8.90	2.67
05 75 00 00-0012	SF			0.125" Thick Copper Sheet, Installed On Walls <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	80.05 -4.29 -8.58 -12.58	2.86
05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>						
Note: Includes field fabrication.						
05 75 00 00-0014	SF			0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	16.37 1.67 -1.09 -2.18 -3.00	2.70
05 75 00 00-0015	SF			0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	18.19 1.97 -1.20 -2.40 -3.31	2.91
05 75 00 00-0016	SF			0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	19.82 2.21 -1.30 -2.61 -3.60	3.11
05 75 00 00-0017	SF			0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	23.47 2.81 -1.53 -3.05 -4.23	3.53
05 75 00 00-0018	SF			0.0625" Thick (16 gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	27.06 3.38 -1.75 -3.50 -4.85	3.95
05 75 00 00-0019	SF			0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	32.03 4.13 -2.06 -4.12 -5.72	4.57
05 75 00 00-0020	SF			0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	41.55 6.49 -2.58 -5.15 -7.23	4.98
05 75 00 00-0021	SF			3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	53.10 9.45 -3.19 -6.39 -9.04	5.40
05 75 00 00-0022	SF			1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	67.70 13.33 -3.97 -7.93 -11.32	5.82
05 75 00 00-0023	SF			3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	105.23 24.09 -5.88 -11.77 -17.03	6.23
05 75 00 00-0024	SF			1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls <i>For 316 Stainless Steel, Add</i> <i>For >16 To 200 SF, Deduct</i> <i>For >200 To 500 SF, Deduct</i> <i>For >500 SF, Deduct</i>	133.03 31.19 -7.38 -14.76 -21.41	7.27

05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	8.83	1.58
For >16 To 200 SF, Deduct	-0.60	
For >200 To 500 SF, Deduct	-1.20	
For >500 SF, Deduct	-1.64	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	9.97	1.77
For >16 To 200 SF, Deduct	-0.68	
For >200 To 500 SF, Deduct	-1.35	
For >500 SF, Deduct	-1.85	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	11.04	1.91
For >16 To 200 SF, Deduct	-0.74	
For >200 To 500 SF, Deduct	-1.49	
For >500 SF, Deduct	-2.04	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	12.10	2.00
For >16 To 200 SF, Deduct	-0.81	
For >200 To 500 SF, Deduct	-1.61	
For >500 SF, Deduct	-2.22	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	13.14	2.10
For >16 To 200 SF, Deduct	-0.87	
For >200 To 500 SF, Deduct	-1.73	
For >500 SF, Deduct	-2.39	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	14.29	2.19
For >16 To 200 SF, Deduct	-0.93	
For >200 To 500 SF, Deduct	-1.87	
For >500 SF, Deduct	-2.58	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	15.65	2.29
For >16 To 200 SF, Deduct	-1.01	
For >200 To 500 SF, Deduct	-2.02	
For >500 SF, Deduct	-2.81	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	18.55	2.67
For >16 To 200 SF, Deduct	-1.19	
For >200 To 500 SF, Deduct	-2.39	
For >500 SF, Deduct	-3.32	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.79	1.81
For >16 To 200 SF, Deduct	-0.67	
For >200 To 500 SF, Deduct	-1.34	
For >500 SF, Deduct	-1.83	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.43	1.91
For >16 To 200 SF, Deduct	-0.71	
For >200 To 500 SF, Deduct	-1.42	
For >500 SF, Deduct	-1.95	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.87	2.00
For >16 To 200 SF, Deduct	-0.74	
For >200 To 500 SF, Deduct	-1.49	
For >500 SF, Deduct	-2.03	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.51	2.10
For >16 To 200 SF, Deduct	-0.79	
For >200 To 500 SF, Deduct	-1.57	
For >500 SF, Deduct	-2.15	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.36	2.19
For >16 To 200 SF, Deduct	-0.84	
For >200 To 500 SF, Deduct	-1.68	
For >500 SF, Deduct	-2.29	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.25	2.29
For >16 To 200 SF, Deduct	-0.89	
For >200 To 500 SF, Deduct	-1.78	
For >500 SF, Deduct	-2.45	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.06	2.48
For >16 To 200 SF, Deduct	-1.00	
For >200 To 500 SF, Deduct	-2.00	
For >500 SF, Deduct	-2.75	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	17.14	2.67
For >16 To 200 SF, Deduct	-1.12	
For >200 To 500 SF, Deduct	-2.25	
For >500 SF, Deduct	-3.11	
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.88	2.86
For >16 To 200 SF, Deduct	-1.23	
For >200 To 500 SF, Deduct	-2.46	
For >500 SF, Deduct	-3.40	
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	7.82	1.40
For >16 To 200 SF, Deduct	-0.53	
For >200 To 500 SF, Deduct	-1.06	
For >500 SF, Deduct	-1.45	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	9.01	1.58
For >16 To 200 SF, Deduct	-0.61	
For >200 To 500 SF, Deduct	-1.22	
For >500 SF, Deduct	-1.67	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	10.18	1.77
<i>For >16 To 200 SF, Deduct</i>	-0.69	
<i>For >200 To 500 SF, Deduct</i>	-1.37	
<i>For >500 SF, Deduct</i>	-1.88	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	11.22	1.91
<i>For >16 To 200 SF, Deduct</i>	-0.75	
<i>For >200 To 500 SF, Deduct</i>	-1.50	
<i>For >500 SF, Deduct</i>	-2.06	

END OF SECTION 05

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



MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites ⁽⁰⁶⁾

06 01 20 Maintenance of Finish Carpentry ^(06 01)

06 01 20 91 Finish Carpentry Restoration ^(06 01 20)

06 01 20 91-0001 Wood Trim Repair ^(06 01 20 91)

06 01 20 91-0002	SF Restoration Of Existing Decorative Woodwork.....	5.63	
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Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

06 05 Common Work Results For Wood, Plastics, And Composites

06 05 23 Wood, Plastic, And Composite Fastenings ^(06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts ^(06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt.....	9.09	
	For >10 To 50, Deduct	-0.27	
	For >50 To 100, Deduct	-0.63	
	For >100 To 250, Deduct	-1.26	
	For >250 To 500, Deduct	-2.17	
	For >500, Deduct	-3.07	
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	12.29	
	For >10 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-0.74	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-2.52	
	For >500, Deduct	-3.56	
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	13.54	
	For >10 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-0.78	
	For >100 To 250, Deduct	-1.55	
	For >250 To 500, Deduct	-2.62	
	For >500, Deduct	-3.68	
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt.....	27.32	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-1.28	
	For >100 To 250, Deduct	-2.56	
	For >250 To 500, Deduct	-4.24	
	For >500, Deduct	-5.92	

06 05 23 00-0006 Framing Anchors ^(06 05 23)

06 05 23 00-0007	EA 10 Gauge Framing Anchor.....	4.91	2.27
	For >10 To 50, Deduct	-0.22	
	For >50 To 100, Deduct	-0.45	
	For >100 To 250, Deduct	-0.89	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-2.22	
06 05 23 00-0008	EA Hold Downs, Simpson HD3B.....	28.21	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.46	
	For >100 To 250, Deduct	-4.93	
	For >250 To 500, Deduct	-8.56	
	For >500, Deduct	-12.20	
06 05 23 00-0009	EA Hold Downs, Simpson HD5B.....	34.63	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.62	
	For >100 To 250, Deduct	-5.25	
	For >250 To 500, Deduct	-9.05	
	For >500, Deduct	-12.84	
06 05 23 00-0010	EA Hold Downs, Simpson HD8.....	48.44	
	For >10 To 50, Deduct	-1.59	
	For >50 To 100, Deduct	-3.59	
	For >100 To 250, Deduct	-7.19	
	For >250 To 500, Deduct	-12.37	
	For >500, Deduct	-17.55	
06 05 23 00-0011	EA Hold Downs, Simpson HD10.....	55.41	
	For >10 To 50, Deduct	-1.89	
	For >50 To 100, Deduct	-4.22	
	For >100 To 250, Deduct	-8.44	
	For >250 To 500, Deduct	-14.55	
	For >500, Deduct	-20.66	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0012	EA		Hold Downs, Simpson HD20	68.91	
			<i>For >10 To 50, Deduct</i>	-1.89	
			<i>For >50 To 100, Deduct</i>	-4.56	
			<i>For >100 To 250, Deduct</i>	-9.12	
			<i>For >250 To 500, Deduct</i>	-15.56	
			<i>For >500, Deduct</i>	-22.01	
06 05 23 00-0013			Joist And Beam Hangers <small>(06 05 23)</small>	4.93	2.11
06 05 23 00-0014	EA		18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	4.93	2.11
			<i>For >10 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-2.22	
06 05 23 00-0015	EA		18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	5.69	2.11
			<i>For >10 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.49	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.40	
06 05 23 00-0016	EA		16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	7.43	2.11
			<i>For >10 To 50, Deduct</i>	-0.24	
			<i>For >50 To 100, Deduct</i>	-0.54	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.86	
			<i>For >500, Deduct</i>	-2.63	
06 05 23 00-0017	EA		16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	7.60	2.11
			<i>For >10 To 50, Deduct</i>	-0.24	
			<i>For >50 To 100, Deduct</i>	-0.54	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.65	
06 05 23 00-0018	EA		16 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	7.66	2.19
			<i>For >10 To 50, Deduct</i>	-0.24	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.72	
06 05 23 00-0019	EA		16 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	8.12	2.19
			<i>For >10 To 50, Deduct</i>	-0.24	
			<i>For >50 To 100, Deduct</i>	-0.57	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.76	
06 05 23 00-0020			Post Framing <small>(06 05 23)</small>	10.24	2.65
06 05 23 00-0021	EA		16 Gauge Post Framing With 4" x 4" Base	10.24	2.65
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-3.35	
06 05 23 00-0022	EA		16 Gauge Post Framing With 4" x 4" Cap	8.49	2.65
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.65	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-3.18	
06 05 23 00-0023			Rafter Anchors <small>(06 05 23)</small>	5.53	2.35
06 05 23 00-0024	EA		1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	5.53	2.35
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100 To 250, Deduct</i>	-1.06	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.64	
06 05 23 00-0025	EA		1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	5.72	2.35
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.86	
			<i>For >500, Deduct</i>	-2.66	
06 05 23 00-0026	EA		Galvanized Rigid Rafter Connector, For 2" x 6"	6.86	2.35
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.77	
06 05 23 00-0027			Bolts And Fasteners <small>(06 05 23)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0028				Carriage Bolts <small>(06 05 23 00-0027)</small> Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0029				Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0028)</small>		
06 05 23 00-0030	EA			1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 10.04 <i>For >10 To 50, Deduct</i> -0.49 <i>For >50 To 100, Deduct</i> -0.99 <i>For >100 To 250, Deduct</i> -1.98 <i>For >250 To 500, Deduct</i> -3.45 <i>For >500, Deduct</i> -4.93		
06 05 23 00-0031	EA			1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 10.13 <i>For >10 To 50, Deduct</i> -0.49 <i>For >50 To 100, Deduct</i> -0.99 <i>For >100 To 250, Deduct</i> -1.98 <i>For >250 To 500, Deduct</i> -3.46 <i>For >500, Deduct</i> -4.94		
06 05 23 00-0032	EA			1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 10.19 <i>For >10 To 50, Deduct</i> -0.49 <i>For >50 To 100, Deduct</i> -0.99 <i>For >100 To 250, Deduct</i> -1.98 <i>For >250 To 500, Deduct</i> -3.46 <i>For >500, Deduct</i> -4.95		
06 05 23 00-0033	EA			1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 11.90 <i>For >10 To 50, Deduct</i> -0.57 <i>For >50 To 100, Deduct</i> -1.15 <i>For >100 To 250, Deduct</i> -2.30 <i>For >250 To 500, Deduct</i> -4.01 <i>For >500, Deduct</i> -5.73		
06 05 23 00-0034	EA			3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 11.06 <i>For >10 To 50, Deduct</i> -0.53 <i>For >50 To 100, Deduct</i> -1.07 <i>For >100 To 250, Deduct</i> -2.14 <i>For >250 To 500, Deduct</i> -3.74 <i>For >500, Deduct</i> -5.34		
06 05 23 00-0035	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 11.98 <i>For >10 To 50, Deduct</i> -0.57 <i>For >50 To 100, Deduct</i> -1.15 <i>For >100 To 250, Deduct</i> -2.30 <i>For >250 To 500, Deduct</i> -4.02 <i>For >500, Deduct</i> -5.74		
06 05 23 00-0036	EA			3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 12.13 <i>For >10 To 50, Deduct</i> -0.57 <i>For >50 To 100, Deduct</i> -1.15 <i>For >100 To 250, Deduct</i> -2.31 <i>For >250 To 500, Deduct</i> -4.03 <i>For >500, Deduct</i> -5.75		
06 05 23 00-0037	EA			3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 14.50 <i>For >10 To 50, Deduct</i> -0.68 <i>For >50 To 100, Deduct</i> -1.38 <i>For >100 To 250, Deduct</i> -2.77 <i>For >250 To 500, Deduct</i> -4.83 <i>For >500, Deduct</i> -6.89		
06 05 23 00-0038	EA			3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 15.72 <i>For >10 To 50, Deduct</i> -0.72 <i>For >50 To 100, Deduct</i> -1.47 <i>For >100 To 250, Deduct</i> -2.94 <i>For >250 To 500, Deduct</i> -5.13 <i>For >500, Deduct</i> -7.32		
06 05 23 00-0039	EA			3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 17.68 <i>For >10 To 50, Deduct</i> -0.79 <i>For >50 To 100, Deduct</i> -1.63 <i>For >100 To 250, Deduct</i> -3.26 <i>For >250 To 500, Deduct</i> -5.69 <i>For >500, Deduct</i> -8.12		
06 05 23 00-0040	EA			1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 12.31 <i>For >10 To 50, Deduct</i> -0.57 <i>For >50 To 100, Deduct</i> -1.16 <i>For >100 To 250, Deduct</i> -2.32 <i>For >250 To 500, Deduct</i> -4.04 <i>For >500, Deduct</i> -5.77		
06 05 23 00-0041	EA			1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 13.45 <i>For >10 To 50, Deduct</i> -0.61 <i>For >50 To 100, Deduct</i> -1.24 <i>For >100 To 250, Deduct</i> -2.49 <i>For >250 To 500, Deduct</i> -4.34 <i>For >500, Deduct</i> -6.19		
06 05 23 00-0042	EA			1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt 14.33 <i>For >10 To 50, Deduct</i> -0.64 <i>For >50 To 100, Deduct</i> -1.32 <i>For >100 To 250, Deduct</i> -2.64 <i>For >250 To 500, Deduct</i> -4.61 <i>For >500, Deduct</i> -6.57		

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0043 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.07	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.48	
For >100 To 250, Deduct	-2.96	
For >250 To 500, Deduct	-5.16	
For >500, Deduct	-7.36	
06 05 23 00-0044 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.86	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.72	
For >100 To 250, Deduct	-3.44	
For >250 To 500, Deduct	-5.99	
For >500, Deduct	-8.54	
06 05 23 00-0045 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.10	
For >10 To 50, Deduct	-0.91	
For >50 To 100, Deduct	-1.89	
For >100 To 250, Deduct	-3.78	
For >250 To 500, Deduct	-6.57	
For >500, Deduct	-9.37	
06 05 23 00-0046 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.65	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.44	
For >100 To 250, Deduct	-2.87	
For >250 To 500, Deduct	-4.99	
For >500, Deduct	-7.11	
06 05 23 00-0047 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.03	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.53	
For >100 To 250, Deduct	-3.06	
For >250 To 500, Deduct	-5.30	
For >500, Deduct	-7.55	
06 05 23 00-0048 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.55	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.79	
For >100 To 250, Deduct	-3.57	
For >250 To 500, Deduct	-6.19	
For >500, Deduct	-8.81	
06 05 23 00-0049 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.13	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.91	
For >100 To 250, Deduct	-3.82	
For >250 To 500, Deduct	-6.59	
For >500, Deduct	-9.37	
06 05 23 00-0050 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.19	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.07	
For >100 To 250, Deduct	-4.14	
For >250 To 500, Deduct	-7.16	
For >500, Deduct	-10.18	
06 05 23 00-0051 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.74	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.14	
For >100 To 250, Deduct	-4.29	
For >250 To 500, Deduct	-7.41	
For >500, Deduct	-10.54	
06 05 23 00-0052 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0028)</small>		
06 05 23 00-0053 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.21	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-0.99	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-3.47	
For >500, Deduct	-4.95	
06 05 23 00-0054 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.39	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-1.00	
For >100 To 250, Deduct	-1.99	
For >250 To 500, Deduct	-3.48	
For >500, Deduct	-4.97	
06 05 23 00-0055 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.59	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-1.00	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-3.49	
For >500, Deduct	-4.99	
06 05 23 00-0056 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.56	
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.17	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-4.06	
For >500, Deduct	-5.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0057 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.30	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-3.76	
<i>For >500, Deduct</i>	-5.37	
06 05 23 00-0058 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.35	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100 To 250, Deduct</i>	-2.32	
<i>For >250 To 500, Deduct</i>	-4.05	
<i>For >500, Deduct</i>	-5.78	
06 05 23 00-0059 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.57	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-4.06	
<i>For >500, Deduct</i>	-5.80	
06 05 23 00-0060 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.17	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.40	
<i>For >100 To 250, Deduct</i>	-2.80	
<i>For >250 To 500, Deduct</i>	-4.88	
<i>For >500, Deduct</i>	-6.96	
06 05 23 00-0061 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.47	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100 To 250, Deduct</i>	-2.98	
<i>For >250 To 500, Deduct</i>	-5.19	
<i>For >500, Deduct</i>	-7.40	
06 05 23 00-0062 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.38	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100 To 250, Deduct</i>	-3.30	
<i>For >250 To 500, Deduct</i>	-5.74	
<i>For >500, Deduct</i>	-8.19	
06 05 23 00-0063 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.86	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 250, Deduct</i>	-2.35	
<i>For >250 To 500, Deduct</i>	-4.09	
<i>For >500, Deduct</i>	-5.83	
06 05 23 00-0064 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.89	
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-4.37	
<i>For >500, Deduct</i>	-6.23	
06 05 23 00-0065 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.85	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100 To 250, Deduct</i>	-2.67	
<i>For >250 To 500, Deduct</i>	-4.65	
<i>For >500, Deduct</i>	-6.63	
06 05 23 00-0066 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.82	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100 To 250, Deduct</i>	-3.00	
<i>For >250 To 500, Deduct</i>	-5.21	
<i>For >500, Deduct</i>	-7.43	
06 05 23 00-0067 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.60	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.74	
<i>For >100 To 250, Deduct</i>	-3.47	
<i>For >250 To 500, Deduct</i>	-6.04	
<i>For >500, Deduct</i>	-8.61	
06 05 23 00-0068 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.67	
<i>For >10 To 50, Deduct</i>	-0.91	
<i>For >50 To 100, Deduct</i>	-1.90	
<i>For >100 To 250, Deduct</i>	-3.81	
<i>For >250 To 500, Deduct</i>	-6.62	
<i>For >500, Deduct</i>	-9.43	
06 05 23 00-0069 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.33	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100 To 250, Deduct</i>	-2.96	
<i>For >250 To 500, Deduct</i>	-5.12	
<i>For >500, Deduct</i>	-7.28	
06 05 23 00-0070 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.20	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100 To 250, Deduct</i>	-3.12	
<i>For >250 To 500, Deduct</i>	-5.39	
<i>For >500, Deduct</i>	-7.67	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0071	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.38	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.81	
			<i>For >100 To 250, Deduct</i>	-3.61	
			<i>For >250 To 500, Deduct</i>	-6.25	
			<i>For >500, Deduct</i>	-8.89	
06 05 23 00-0072	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.07	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100 To 250, Deduct</i>	-3.81	
			<i>For >250 To 500, Deduct</i>	-6.59	
			<i>For >500, Deduct</i>	-9.37	
06 05 23 00-0073	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.28	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100 To 250, Deduct</i>	-4.20	
			<i>For >250 To 500, Deduct</i>	-7.24	
			<i>For >500, Deduct</i>	-10.29	
06 05 23 00-0074	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.00	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100 To 250, Deduct</i>	-4.40	
			<i>For >250 To 500, Deduct</i>	-7.58	
			<i>For >500, Deduct</i>	-10.76	

06 05 23 00-0075 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0028)

06 05 23 00-0076	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	10.56	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-3.49	
			<i>For >500, Deduct</i>	-4.98	
06 05 23 00-0077	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	11.37	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100 To 250, Deduct</i>	-2.04	
			<i>For >250 To 500, Deduct</i>	-3.55	
			<i>For >500, Deduct</i>	-5.07	
06 05 23 00-0078	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	11.91	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-3.59	
			<i>For >500, Deduct</i>	-5.12	
06 05 23 00-0079	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	19.16	
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100 To 250, Deduct</i>	-2.66	
			<i>For >250 To 500, Deduct</i>	-4.56	
			<i>For >500, Deduct</i>	-6.46	
06 05 23 00-0080	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	12.09	
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100 To 250, Deduct</i>	-2.19	
			<i>For >250 To 500, Deduct</i>	-3.82	
			<i>For >500, Deduct</i>	-5.45	
06 05 23 00-0081	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	14.02	
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-4.17	
			<i>For >500, Deduct</i>	-5.94	
06 05 23 00-0082	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	14.28	
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-4.19	
			<i>For >500, Deduct</i>	-5.97	
06 05 23 00-0083	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	25.01	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.65	
			<i>For >100 To 250, Deduct</i>	-3.29	
			<i>For >250 To 500, Deduct</i>	-5.62	
			<i>For >500, Deduct</i>	-7.95	
06 05 23 00-0084	EA		3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	30.00	
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.83	
			<i>For >100 To 250, Deduct</i>	-3.66	
			<i>For >250 To 500, Deduct</i>	-6.20	
			<i>For >500, Deduct</i>	-8.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0085 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	33.56	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-2.03	
<i>For >100 To 250, Deduct</i>	-4.06	
<i>For >250 To 500, Deduct</i>	-6.88	
<i>For >500, Deduct</i>	-9.70	
06 05 23 00-0086 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.97	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100 To 250, Deduct</i>	-2.45	
<i>For >250 To 500, Deduct</i>	-4.24	
<i>For >500, Deduct</i>	-6.04	
06 05 23 00-0087 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	16.85	
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100 To 250, Deduct</i>	-2.66	
<i>For >250 To 500, Deduct</i>	-4.59	
<i>For >500, Deduct</i>	-6.53	
06 05 23 00-0088 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.07	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100 To 250, Deduct</i>	-2.93	
<i>For >250 To 500, Deduct</i>	-5.04	
<i>For >500, Deduct</i>	-7.15	
06 05 23 00-0089 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	30.75	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.85	
<i>For >100 To 250, Deduct</i>	-3.69	
<i>For >250 To 500, Deduct</i>	-6.26	
<i>For >500, Deduct</i>	-8.82	
06 05 23 00-0090 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	34.80	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100 To 250, Deduct</i>	-4.23	
<i>For >250 To 500, Deduct</i>	-7.18	
<i>For >500, Deduct</i>	-10.13	
06 05 23 00-0091 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	53.11	
<i>For >10 To 50, Deduct</i>	-0.91	
<i>For >50 To 100, Deduct</i>	-2.69	
<i>For >100 To 250, Deduct</i>	-5.38	
<i>For >250 To 500, Deduct</i>	-8.97	
<i>For >500, Deduct</i>	-12.57	
06 05 23 00-0092 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	41.30	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-2.11	
<i>For >100 To 250, Deduct</i>	-4.22	
<i>For >250 To 500, Deduct</i>	-7.05	
<i>For >500, Deduct</i>	-9.88	
06 05 23 00-0093 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	57.76	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-2.69	
<i>For >100 To 250, Deduct</i>	-5.38	
<i>For >250 To 500, Deduct</i>	-8.91	
<i>For >500, Deduct</i>	-12.43	
06 05 23 00-0094 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	63.82	
<i>For >10 To 50, Deduct</i>	-0.87	
<i>For >50 To 100, Deduct</i>	-2.90	
<i>For >100 To 250, Deduct</i>	-5.80	
<i>For >250 To 500, Deduct</i>	-9.57	
<i>For >500, Deduct</i>	-13.34	
06 05 23 00-0095 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	92.88	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-3.74	
<i>For >100 To 250, Deduct</i>	-7.48	
<i>For >250 To 500, Deduct</i>	-12.16	
<i>For >500, Deduct</i>	-16.85	
06 05 23 00-0096 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	97.66	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-3.92	
<i>For >100 To 250, Deduct</i>	-7.83	
<i>For >250 To 500, Deduct</i>	-12.73	
<i>For >500, Deduct</i>	-17.63	
06 05 23 00-0097 316 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0028)</small>		
06 05 23 00-0098 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	14.32	
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-3.77	
<i>For >500, Deduct</i>	-5.36	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0099	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	15.74
		<i>For >10 To 50, Deduct</i>	-0.49
		<i>For >50 To 100, Deduct</i>	-1.13
		<i>For >100 To 250, Deduct</i>	-2.26
		<i>For >250 To 500, Deduct</i>	-3.88
		<i>For >500, Deduct</i>	-5.50
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	17.00
		<i>For >10 To 50, Deduct</i>	-0.53
		<i>For >50 To 100, Deduct</i>	-1.22
		<i>For >100 To 250, Deduct</i>	-2.44
		<i>For >250 To 500, Deduct</i>	-4.19
		<i>For >500, Deduct</i>	-5.94
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	19.74
		<i>For >10 To 50, Deduct</i>	-0.57
		<i>For >50 To 100, Deduct</i>	-1.34
		<i>For >100 To 250, Deduct</i>	-2.69
		<i>For >250 To 500, Deduct</i>	-4.60
		<i>For >500, Deduct</i>	-6.51
06 05 23 00-0102	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	26.08
		<i>For >10 To 50, Deduct</i>	-0.57
		<i>For >50 To 100, Deduct</i>	-1.50
		<i>For >100 To 250, Deduct</i>	-3.01
		<i>For >250 To 500, Deduct</i>	-5.08
		<i>For >500, Deduct</i>	-7.15
06 05 23 00-0103	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	28.37
		<i>For >10 To 50, Deduct</i>	-0.61
		<i>For >50 To 100, Deduct</i>	-1.62
		<i>For >100 To 250, Deduct</i>	-3.23
		<i>For >250 To 500, Deduct</i>	-5.46
		<i>For >500, Deduct</i>	-7.68
06 05 23 00-0104	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	30.54
		<i>For >10 To 50, Deduct</i>	-0.64
		<i>For >50 To 100, Deduct</i>	-1.73
		<i>For >100 To 250, Deduct</i>	-3.45
		<i>For >250 To 500, Deduct</i>	-5.82
		<i>For >500, Deduct</i>	-8.19

06 05 23 00-0105 Hex Lag Bolts (06 05 23 00-0027)

Note: Includes drilling of holes in any material.

06 05 23 00-0106 Zinc Plated Steel, Hex Lag Bolts (06 05 23 00-0105)

06 05 23 00-0107	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	9.58
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-0.95
		<i>For >100 To 250, Deduct</i>	-1.90
		<i>For >250 To 500, Deduct</i>	-3.32
		<i>For >500, Deduct</i>	-4.74
06 05 23 00-0108	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	9.67
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-0.95
		<i>For >100 To 250, Deduct</i>	-1.90
		<i>For >250 To 500, Deduct</i>	-3.32
		<i>For >500, Deduct</i>	-4.75
06 05 23 00-0109	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	9.83
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-0.95
		<i>For >100 To 250, Deduct</i>	-1.91
		<i>For >250 To 500, Deduct</i>	-3.34
		<i>For >500, Deduct</i>	-4.76
06 05 23 00-0110	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.55
		<i>For >10 To 50, Deduct</i>	-0.52
		<i>For >50 To 100, Deduct</i>	-1.04
		<i>For >100 To 250, Deduct</i>	-2.07
		<i>For >250 To 500, Deduct</i>	-3.62
		<i>For >500, Deduct</i>	-5.18
06 05 23 00-0111	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.44
		<i>For >10 To 50, Deduct</i>	-0.55
		<i>For >50 To 100, Deduct</i>	-1.11
		<i>For >100 To 250, Deduct</i>	-2.23
		<i>For >250 To 500, Deduct</i>	-3.89
		<i>For >500, Deduct</i>	-5.56
06 05 23 00-0112	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.63
		<i>For >10 To 50, Deduct</i>	-0.55
		<i>For >50 To 100, Deduct</i>	-1.12
		<i>For >100 To 250, Deduct</i>	-2.24
		<i>For >250 To 500, Deduct</i>	-3.91
		<i>For >500, Deduct</i>	-5.58
06 05 23 00-0113	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.22
		<i>For >10 To 50, Deduct</i>	-0.66
		<i>For >50 To 100, Deduct</i>	-1.35
		<i>For >100 To 250, Deduct</i>	-2.70
		<i>For >250 To 500, Deduct</i>	-4.71
		<i>For >500, Deduct</i>	-6.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0114 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.07	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100 To 250, Deduct</i>	-2.85	
<i>For >250 To 500, Deduct</i>	-4.97	
<i>For >500, Deduct</i>	-7.10	
06 05 23 00-0115 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.65	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-3.93	
<i>For >500, Deduct</i>	-5.61	
06 05 23 00-0116 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.66	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100 To 250, Deduct</i>	-2.41	
<i>For >250 To 500, Deduct</i>	-4.21	
<i>For >500, Deduct</i>	-6.01	
06 05 23 00-0117 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.75	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.29	
<i>For >100 To 250, Deduct</i>	-2.58	
<i>For >250 To 500, Deduct</i>	-4.50	
<i>For >500, Deduct</i>	-6.42	
06 05 23 00-0118 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.62	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100 To 250, Deduct</i>	-2.89	
<i>For >250 To 500, Deduct</i>	-5.04	
<i>For >500, Deduct</i>	-7.19	
06 05 23 00-0119 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.39	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100 To 250, Deduct</i>	-3.37	
<i>For >250 To 500, Deduct</i>	-5.86	
<i>For >500, Deduct</i>	-8.36	
06 05 23 00-0120 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.06	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100 To 250, Deduct</i>	-3.67	
<i>For >250 To 500, Deduct</i>	-6.40	
<i>For >500, Deduct</i>	-9.12	
06 05 23 00-0121 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.75	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100 To 250, Deduct</i>	-2.95	
<i>For >250 To 500, Deduct</i>	-5.13	
<i>For >500, Deduct</i>	-7.31	
06 05 23 00-0122 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.95	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100 To 250, Deduct</i>	-3.44	
<i>For >250 To 500, Deduct</i>	-5.98	
<i>For >500, Deduct</i>	-8.52	
06 05 23 00-0123 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.97	
<i>For >10 To 50, Deduct</i>	-0.85	
<i>For >50 To 100, Deduct</i>	-1.83	
<i>For >100 To 250, Deduct</i>	-3.66	
<i>For >250 To 500, Deduct</i>	-6.34	
<i>For >500, Deduct</i>	-9.02	
06 05 23 00-0124 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	24.62	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-2.01	
<i>For >100 To 250, Deduct</i>	-4.01	
<i>For >250 To 500, Deduct</i>	-6.94	
<i>For >500, Deduct</i>	-9.87	
06 05 23 00-0125 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	27.42	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-2.13	
<i>For >100 To 250, Deduct</i>	-4.26	
<i>For >250 To 500, Deduct</i>	-7.36	
<i>For >500, Deduct</i>	-10.45	
06 05 23 00-0126 Hot Dipped Galvanized Steel, Hex Lag Bolts <small>(06 05 23 00-0105)</small>		
06 05 23 00-0127 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.62	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100 To 250, Deduct</i>	-1.90	
<i>For >250 To 500, Deduct</i>	-3.32	
<i>For >500, Deduct</i>	-4.74	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0128 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.75	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.95	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-3.33	
For >500, Deduct	-4.76	
06 05 23 00-0129 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.88	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.96	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-3.34	
For >500, Deduct	-4.77	
06 05 23 00-0130 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.62	
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.04	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-3.63	
For >500, Deduct	-5.18	
06 05 23 00-0131 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.55	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.12	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-3.90	
For >500, Deduct	-5.57	
06 05 23 00-0132 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.76	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.12	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-3.92	
For >500, Deduct	-5.59	
06 05 23 00-0133 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.47	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.35	
For >100 To 250, Deduct	-2.71	
For >250 To 500, Deduct	-4.73	
For >500, Deduct	-6.74	
06 05 23 00-0134 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.49	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.44	
For >100 To 250, Deduct	-2.87	
For >250 To 500, Deduct	-5.01	
For >500, Deduct	-7.14	
06 05 23 00-0135 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.84	
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.13	
For >100 To 250, Deduct	-2.26	
For >250 To 500, Deduct	-3.95	
For >500, Deduct	-5.63	
06 05 23 00-0136 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.77	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.21	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-4.22	
For >500, Deduct	-6.02	
06 05 23 00-0137 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.94	
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.29	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-4.51	
For >500, Deduct	-6.43	
06 05 23 00-0138 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.20	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.46	
For >100 To 250, Deduct	-2.92	
For >250 To 500, Deduct	-5.09	
For >500, Deduct	-7.25	
06 05 23 00-0139 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.67	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.69	
For >100 To 250, Deduct	-3.38	
For >250 To 500, Deduct	-5.89	
For >500, Deduct	-8.39	
06 05 23 00-0140 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.75	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.85	
For >100 To 250, Deduct	-3.71	
For >250 To 500, Deduct	-6.45	
For >500, Deduct	-9.19	
06 05 23 00-0141 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.17	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.49	
For >100 To 250, Deduct	-2.97	
For >250 To 500, Deduct	-5.16	
For >500, Deduct	-7.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0142 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.33	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100 To 250, Deduct</i>	-3.46	
<i>For >250 To 500, Deduct</i>	-6.01	
<i>For >500, Deduct</i>	-8.56	
06 05 23 00-0143 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	22.61	
<i>For >10 To 50, Deduct</i>	-0.85	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100 To 250, Deduct</i>	-3.69	
<i>For >250 To 500, Deduct</i>	-6.38	
<i>For >500, Deduct</i>	-9.08	
06 05 23 00-0144 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.13	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100 To 250, Deduct</i>	-4.09	
<i>For >250 To 500, Deduct</i>	-7.06	
<i>For >500, Deduct</i>	-10.03	
06 05 23 00-0145 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.03	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-2.17	
<i>For >100 To 250, Deduct</i>	-4.34	
<i>For >250 To 500, Deduct</i>	-7.48	
<i>For >500, Deduct</i>	-10.61	
06 05 23 00-0146 304/18-8 Stainless Steel, Hex Lag Bolts <small>(06 05 23 00-0105)</small>		
06 05 23 00-0147 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	9.96	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-3.35	
<i>For >500, Deduct</i>	-4.78	
06 05 23 00-0148 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	10.34	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-3.37	
<i>For >500, Deduct</i>	-4.81	
06 05 23 00-0149 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	11.38	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100 To 250, Deduct</i>	-1.99	
<i>For >250 To 500, Deduct</i>	-3.45	
<i>For >500, Deduct</i>	-4.92	
06 05 23 00-0150 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	11.60	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100 To 250, Deduct</i>	-2.13	
<i>For >250 To 500, Deduct</i>	-3.70	
<i>For >500, Deduct</i>	-5.28	
06 05 23 00-0151 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	12.91	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.15	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-4.00	
<i>For >500, Deduct</i>	-5.70	
06 05 23 00-0152 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.57	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-4.05	
<i>For >500, Deduct</i>	-5.77	
06 05 23 00-0153 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.99	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.62	
<i>For >100 To 250, Deduct</i>	-3.24	
<i>For >250 To 500, Deduct</i>	-5.52	
<i>For >500, Deduct</i>	-7.80	
06 05 23 00-0154 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	33.80	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.89	
<i>For >100 To 250, Deduct</i>	-3.79	
<i>For >250 To 500, Deduct</i>	-6.38	
<i>For >500, Deduct</i>	-8.97	
06 05 23 00-0155 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.68	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100 To 250, Deduct</i>	-2.35	
<i>For >250 To 500, Deduct</i>	-4.08	
<i>For >500, Deduct</i>	-5.82	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0156	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	15.80	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100 To 250, Deduct</i>	-2.57	
			<i>For >250 To 500, Deduct</i>	-4.45	
			<i>For >500, Deduct</i>	-6.32	
06 05 23 00-0157	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.93	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100 To 250, Deduct</i>	-2.84	
			<i>For >250 To 500, Deduct</i>	-4.88	
			<i>For >500, Deduct</i>	-6.93	
06 05 23 00-0158	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	35.76	
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100 To 250, Deduct</i>	-3.90	
			<i>For >250 To 500, Deduct</i>	-6.55	
			<i>For >500, Deduct</i>	-9.21	
06 05 23 00-0159	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	47.86	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100 To 250, Deduct</i>	-4.84	
			<i>For >250 To 500, Deduct</i>	-8.07	
			<i>For >500, Deduct</i>	-11.31	
06 05 23 00-0160	EA		1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	55.55	
			<i>For >10 To 50, Deduct</i>	-0.89	
			<i>For >50 To 100, Deduct</i>	-2.72	
			<i>For >100 To 250, Deduct</i>	-5.45	
			<i>For >250 To 500, Deduct</i>	-9.06	
			<i>For >500, Deduct</i>	-12.67	
06 05 23 00-0161	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	50.83	
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-2.33	
			<i>For >100 To 250, Deduct</i>	-4.65	
			<i>For >250 To 500, Deduct</i>	-7.68	
			<i>For >500, Deduct</i>	-10.72	
06 05 23 00-0162	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	58.17	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100 To 250, Deduct</i>	-5.36	
			<i>For >250 To 500, Deduct</i>	-8.85	
			<i>For >500, Deduct</i>	-12.34	
06 05 23 00-0163	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	60.55	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.79	
			<i>For >100 To 250, Deduct</i>	-5.59	
			<i>For >250 To 500, Deduct</i>	-9.23	
			<i>For >500, Deduct</i>	-12.88	
06 05 23 00-0164	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	82.43	
			<i>For >10 To 50, Deduct</i>	-0.93	
			<i>For >50 To 100, Deduct</i>	-3.45	
			<i>For >100 To 250, Deduct</i>	-6.90	
			<i>For >250 To 500, Deduct</i>	-11.28	
			<i>For >500, Deduct</i>	-15.66	
06 05 23 00-0165	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	89.67	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-3.69	
			<i>For >100 To 250, Deduct</i>	-7.37	
			<i>For >250 To 500, Deduct</i>	-12.02	
			<i>For >500, Deduct</i>	-16.68	
06 05 23 00-0166			Supports <small>(06 05 23)</small>		
06 05 23 00-0167			Shear Plates <small>(06 05 23 00-0166)</small>		
06 05 23 00-0168	EA		2-5/8" Diameter, Shear Plate.....	8.30	2.80
			<i>For >10 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-2.36	
			<i>For >500, Deduct</i>	-3.35	
06 05 23 00-0169	EA		4" Diameter, Shear Plate.....	11.20	2.95
			<i>For >10 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500, Deduct</i>	-3.75	
06 05 23 00-0170			Sill Anchors <small>(06 05 23 00-0166)</small>		
06 05 23 00-0171	EA		Sill Anchor Embedded In Concrete.....	7.12	2.95
			<i>For >10 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500, Deduct</i>	-3.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0172 Spike Grids <small>(06 05 23 00-0166)</small>		
06 05 23 00-0173 EA 4" x 4" Flat Or Curved Spike Grid	7.02	2.80
<i>For >10 To 50, Deduct</i>	-0.32	
<i>For >50 To 100, Deduct</i>	-0.65	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-3.22	
06 05 23 00-0174 Split Rings <small>(06 05 23 00-0166)</small>		
06 05 23 00-0175 EA 2-1/2" Diameter Split Ring	7.46	2.80
<i>For >10 To 50, Deduct</i>	-0.32	
<i>For >50 To 100, Deduct</i>	-0.66	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-3.27	
06 05 23 00-0176 EA 4" Diameter Split Ring.....	8.82	3.10
<i>For >10 To 50, Deduct</i>	-0.34	
<i>For >50 To 100, Deduct</i>	-0.74	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-2.55	
<i>For >500, Deduct</i>	-3.63	
06 05 23 00-0177 Strap Ties <small>(06 05 23 00-0166)</small>		
06 05 23 00-0178 EA 1-3/8" Wide x 12" Long, 14 Gauge, Strap Tie	4.96	1.89
<i>For >10 To 50, Deduct</i>	-0.21	
<i>For >50 To 100, Deduct</i>	-0.44	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-2.18	
06 05 23 00-0179 EA 1-3/8" Wide x 18" Long, 14 Gauge, Strap Tie	5.86	1.96
<i>For >10 To 50, Deduct</i>	-0.22	
<i>For >50 To 100, Deduct</i>	-0.48	
<i>For >100 To 250, Deduct</i>	-0.96	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-2.37	
06 05 23 00-0180 EA 1-3/8" Wide x 24" Long, 14 Gauge, Strap Tie	6.76	2.11
<i>For >10 To 50, Deduct</i>	-0.24	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.56	
06 05 23 00-0181 EA 1-3/8" Wide x 36" Long, 14 Gauge, Strap Tie	7.82	2.27
<i>For >10 To 50, Deduct</i>	-0.25	
<i>For >50 To 100, Deduct</i>	-0.57	
<i>For >100 To 250, Deduct</i>	-1.15	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.80	
06 05 23 00-0182 Toothed Rings <small>(06 05 23 00-0166)</small>		
06 05 23 00-0183 EA 2-5/8" Or 4" Toothed Ring.....	9.14	2.80
<i>For >10 To 50, Deduct</i>	-0.32	
<i>For >50 To 100, Deduct</i>	-0.70	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-2.42	
<i>For >500, Deduct</i>	-3.43	
06 05 73 Wood Treatment <small>(06 05)</small>		
06 05 73 13 Fire-Retardant Wood Treatment <small>(06 05 73)</small>		
06 05 73 13-0001 Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber.....	372.12	
06 05 73 33 Preservative Wood Treatment <small>(06 05 73)</small>		
06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber	123.78	
06 10 Rough Carpentry <small>(06)</small>		
06 11 Wood Framing <small>(06 10)</small>		
Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**06 11 13 Engineered Wood Products** (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists (06 11 13 00-0001)

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	3.50	1.30
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>0.76</i>	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	4.44	1.52
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.08</i>	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	5.74	1.83
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.50</i>	

06 11 13 00-0006 Built-Up Posts (06 11 13 00-0001)

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post.....	3.50	1.30
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>0.76</i>	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post.....	4.44	1.52
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.08</i>	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post.....	5.74	1.83
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	<i>1.50</i>	

06 11 16 Mechanically Graded Lumber (06 11)**06 11 16 00-0001 Rafters And Joists** (06 11 16)**06 11 16 00-0002 Rafters** (06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	1.98	0.91
06 11 16 00-0004	LF	2" x 8" Wood Rafter	2.38	1.00
06 11 16 00-0005	LF	2" x 10" Wood Rafter	3.41	1.45
06 11 16 00-0006	LF	2" x 12" Wood Rafter	3.94	1.61
06 11 16 00-0007	LF	2" x 14" Wood Rafter	4.31	1.76
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter.....	2.31	0.91
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter.....	2.83	1.00
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter.....	3.81	1.45
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter.....	4.60	1.61

06 11 16 00-0012 Joists (06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist.....	1.76	0.76
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist.....	2.23	0.84
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist.....	2.87	1.07
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist.....	3.42	1.22
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist.....	3.78	1.30
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist.....	2.09	0.76
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist.....	2.68	0.84
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist.....	3.27	1.07
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist.....	4.08	1.22

06 11 16 00-0022 Purlins (06 11 16 00-0001)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin.....	1.36	0.46
06 11 16 00-0024	LF	2" x 6" Wood Purlin.....	1.77	0.51
06 11 16 00-0025	LF	2" x 8" Wood Purlin.....	2.19	0.56
06 11 16 00-0026	LF	2" x 10" Wood Purlin.....	2.72	0.61
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin.....	1.56	0.46
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin.....	2.10	0.51
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin.....	2.64	0.56
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin.....	3.12	0.61

06 11 16 00-0031 Exposed Rafters Or Joists (06 11 16 00-0001)**06 11 16 00-0032 Redwood Rafters Or Joists** (06 11 16 00-0031)

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	2.88	0.76
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	3.53	0.84
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	4.41	1.07
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	5.38	1.22

06 11 16 00-0037 Cedar Rafters Or Joists (06 11 16 00-0031)

06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist.....	1.77	0.76
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist.....	1.97	0.84
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist.....	2.24	1.07
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist.....	2.53	1.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0042 Oak Rafters Or Joists <small>(06 11 16 00-0031)</small>		
06 11 16 00-0043 LF 2" x 6" Oak Rafter Or Joist.....	2.22	0.76
06 11 16 00-0044 LF 2" x 8" Oak Rafter Or Joist.....	3.12	0.84
06 11 16 00-0045 LF 2" x 10" Oak Rafter Or Joist.....	4.09	1.07
06 11 16 00-0046 LF 2" x 12" Oak Rafter Or Joist.....	5.07	1.22
06 11 16 00-0047 Framing <small>(06 11 16)</small>		
06 11 16 00-0048 Partition Framing <small>(06 11 16 00-0047)</small>		
06 11 16 00-0049 LF 2" x 4" Wood Stud Framing, For Partition Walls	1.32	0.61
06 11 16 00-0050 LF 2" x 6" Wood Stud Framing, For Partition Walls	1.67	0.65
06 11 16 00-0051 LF 2" x 8" Wood Stud Framing, For Partition Walls	2.04	0.69
06 11 16 00-0052 LF 2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.52	0.61
06 11 16 00-0053 LF 2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.00	0.65
06 11 16 00-0054 LF 2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.49	0.69
06 11 16 00-0055 Wall Framing Assemblies By The SF <small>(06 11 16 00-0047)</small>		
Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices.		
06 11 16 00-0056 Wall Framing By The SF, 12" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0057 SF 2" x 4" Wood Wall Framing At 12" On Center.....	1.75	0.73
For Up To 200, Add	0.57	
For >200 To 500, Add	0.28	
06 11 16 00-0058 SF 2" x 6" Wood Wall Framing At 12" On Center.....	2.37	0.95
For Up To 200, Add	0.75	
For >200 To 500, Add	0.38	
06 11 16 00-0059 SF 2" x 8" Wood Wall Framing At 12" On Center.....	3.17	1.26
For Up To 200, Add	1.01	
For >200 To 500, Add	0.50	
06 11 16 00-0060 Wall Framing By The SF, 16" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0061 SF 2" x 4" Wood Wall Framing At 16" On Center.....	1.42	0.60
For Up To 200, Add	0.46	
For >200 To 500, Add	0.23	
06 11 16 00-0062 SF 2" x 6" Wood Wall Framing At 16" On Center.....	1.97	0.79
For Up To 200, Add	0.63	
For >200 To 500, Add	0.31	
06 11 16 00-0063 SF 2" x 8" Wood Wall Framing At 16" On Center.....	2.63	1.05
For Up To 200, Add	0.84	
For >200 To 500, Add	0.42	
06 11 16 00-0064 Wall Framing By The SF, 24" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0065 SF 2" x 4" Wood Wall Framing At 24" On Center.....	1.12	0.47
For Up To 200, Add	0.36	
For >200 To 500, Add	0.18	
06 11 16 00-0066 SF 2" x 6" Wood Wall Framing At 24" On Center.....	1.54	0.61
For Up To 200, Add	0.49	
For >200 To 500, Add	0.24	
06 11 16 00-0067 SF 2" x 8" Wood Wall Framing At 24" On Center.....	2.07	0.81
For Up To 200, Add	0.66	
For >200 To 500, Add	0.33	
06 11 16 00-0068 Sills And Plates <small>(06 11 16)</small>		
06 11 16 00-0069 Sills <small>(06 11 16 00-0068)</small>		
Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070 LF 2" x 4" Wood Sill	2.17	1.15
06 11 16 00-0071 LF 2" x 6" Wood Sill	2.67	1.30
06 11 16 00-0072 LF 2" x 8" Wood Sill	3.23	1.45
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill.....	2.37	1.15
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill.....	3.00	1.30
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill.....	3.68	1.45
06 11 16 00-0076 Plates <small>(06 11 16 00-0068)</small>		
Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077 LF 2" x 4" Wood Plate.....	2.17	1.15
06 11 16 00-0078 LF 2" x 6" Wood Plate.....	2.67	1.30
06 11 16 00-0079 LF 2" x 8" Wood Plate.....	3.21	1.45
06 11 16 00-0080 LF 2" x 4" Pressure Treated Wood Plate	2.37	1.15
06 11 16 00-0081 LF 2" x 6" Pressure Treated Wood Plate	3.00	1.30
06 11 16 00-0082 LF 2" x 8" Pressure Treated Wood Plate	3.66	1.45
06 11 16 00-0083 Sills And Plates From Redwood <small>(06 11 16 00-0068)</small>		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0084			Construction Grade/Rough <small>(06 11 16 00-0083)</small>		
06 11 16 00-0085	LF		2" x 6" Redwood, Construction Grade/Rough.....	3.48	1.30
06 11 16 00-0086	LF		2" x 8" Redwood, Construction Grade/Rough.....	4.55	1.45
06 11 16 00-0087	LF		2" x 10" Redwood, Construction Grade/Rough.....	5.52	1.61
06 11 16 00-0088	LF		2" x 12" Redwood, Construction Grade/Rough.....	6.66	1.76
06 11 16 00-0089			Con Heart/Smooth <small>(06 11 16 00-0083)</small>		
06 11 16 00-0090	LF		2" x 6" Redwood, Con Heart/Smooth.....	4.15	1.30
06 11 16 00-0091	LF		2" x 8" Redwood, Con Heart/Smooth.....	5.55	1.45
06 11 16 00-0092	LF		2" x 10" Redwood, Con Heart/Smooth.....	7.21	1.61
06 11 16 00-0093	LF		2" x 12" Redwood, Con Heart/Smooth.....	8.68	1.76
06 11 16 00-0094			Suspended Ceiling Framing <small>(06 11 16)</small>		
06 11 16 00-0095	LF		1" x 2" Wood Suspended Ceiling Framing.....	1.73	1.00
06 11 16 00-0096	LF		1" x 3" Wood Suspended Ceiling Framing.....	1.92	1.07
06 11 16 00-0097	LF		2" x 2" Wood Suspended Ceiling Framing.....	2.09	1.15
06 11 16 00-0098	LF		2" x 4" Wood Suspended Ceiling Framing.....	2.48	1.30
06 11 16 00-0099	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	1.91	1.00
06 11 16 00-0100	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....	1.91	1.07
06 11 16 00-0101	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.27	1.15
06 11 16 00-0102	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	2.63	1.30
06 11 16 00-0103			Posts And Girts <small>(06 11 16)</small>		
06 11 16 00-0104			Posts <small>(06 11 16 00-0103)</small>		
			Note: A vertical, upright framing member.		
06 11 16 00-0105	LF		4" x 4" Wood Post.....	3.12	1.45
06 11 16 00-0106	LF		4" x 5" Wood Post.....	3.55	1.68
06 11 16 00-0107	LF		4" x 6" Wood Post.....	3.90	1.83
06 11 16 00-0108	LF		6" x 6" Wood Post.....	4.36	1.98
06 11 16 00-0109	LF		8" x 8" Wood Post.....	4.80	2.06
06 11 16 00-0110	LF		10" x 10" Wood Post.....	5.24	2.37
06 11 16 00-0111	LF		4" x 4" Pressure Treated Wood Post.....	3.88	1.45
06 11 16 00-0112	LF		4" x 6" Pressure Treated Wood Post.....	5.01	1.83
06 11 16 00-0113	LF		6" x 6" Pressure Treated Wood Post.....	6.44	1.98
06 11 16 00-0114			Girts <small>(06 11 16 00-0103)</small>		
			Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0115	LF		2" x 4" Wood Girt.....	1.55	0.55
06 11 16 00-0116	LF		2" x 6" Wood Girt.....	1.97	0.60
06 11 16 00-0117	LF		2" x 8" Wood Girt.....	2.41	0.66
06 11 16 00-0118	LF		2" x 10" Wood Girt.....	2.96	0.73
06 11 16 00-0119	LF		4" x 4" Wood Girt.....	3.01	1.10
06 11 16 00-0120	LF		4" x 5" Wood Girt.....	3.45	1.24
06 11 16 00-0121	LF		4" x 6" Wood Girt.....	3.89	1.37
06 11 16 00-0122	LF		6" x 6" Wood Girt.....	4.34	1.51
06 11 16 00-0123	LF		8" x 8" Wood Girt.....	4.78	1.65
06 11 16 00-0124	LF		10" x 10" Wood Girt.....	5.23	1.79
06 11 16 00-0125	LF		2" x 4" Pressure Treated Wood Girt.....	1.75	0.55
06 11 16 00-0126	LF		2" x 6" Pressure Treated Wood Girt.....	2.30	0.60
06 11 16 00-0127	LF		2" x 8" Pressure Treated Wood Girt.....	2.86	0.66
06 11 16 00-0128	LF		2" x 10" Pressure Treated Wood Girt.....	3.36	0.73
06 11 16 00-0129	LF		4" x 4" Pressure Treated Wood Girt.....	3.88	1.10
06 11 16 00-0130	LF		4" x 6" Pressure Treated Wood Girt.....	5.01	1.37
06 11 16 00-0131	LF		6" x 6" Pressure Treated Wood Girt.....	6.44	1.51
06 11 16 00-0132			Construction Grade/Rough Redwood Posts <small>(06 11 16 00-0103)</small>		
06 11 16 00-0133	LF		4" x 4" Redwood, Construction Grade/Rough Post.....	5.23	1.45
			For Smooth "Clear", Add	0.61	
06 11 16 00-0134	LF		4" x 5" Redwood, Construction Grade/Rough Post.....	6.25	1.68
			For Smooth "Clear", Add	0.76	
06 11 16 00-0135	LF		4" x 6" Redwood, Construction Grade/Rough Post.....	7.29	1.83
			For Smooth "Clear", Add	0.91	
06 11 16 00-0136	LF		4" x 8" Redwood, Construction Grade/Rough Post.....	8.93	1.88
			For Smooth "Clear", Add	1.21	
06 11 16 00-0137	LF		4" x 10" Redwood, Construction Grade/Rough Post.....	10.62	2.00
			For Smooth "Clear", Add	1.52	
06 11 16 00-0138	LF		6" x 6" Redwood, Construction Grade/Rough Post.....	9.85	1.98
			For Smooth "Clear", Add	1.36	
06 11 16 00-0139	LF		6" x 8" Redwood, Construction Grade/Rough Post.....	12.24	2.06
			For Smooth "Clear", Add	1.82	
06 11 16 00-0140	LF		6" x 10" Redwood, Construction Grade/Rough Post.....	14.59	1.93
			For Smooth "Clear", Add	2.27	
06 11 16 00-0141	LF		8" x 8" Redwood, Construction Grade/Rough Post.....	15.43	2.06
			For Smooth "Clear", Add	2.43	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0142				Stair Stringers <small>(06 11 16)</small> See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0143	LF			2" x 10" Wood Stair Stringer	6.04	3.05
06 11 16 00-0144	LF			2" x 12" Wood Stair Stringer	7.18	3.59
06 11 16 00-0145	LF			2" x 10" Pressure Treated Wood Stair Stringer.....	6.47	3.05
06 11 16 00-0146	LF			2" x 12" Pressure Treated Wood Stair Stringer.....	7.81	3.59
06 11 16 00-0147				Blocking <small>(06 11 16)</small>		
06 11 16 00-0148				Blocking <small>(06 11 16 00-0147)</small>		
06 11 16 00-0149				Blocking To Wood <small>(06 11 16 00-0148)</small>		
06 11 16 00-0150	LF			2" x 4" Pressure Treated Wood Blocking To Wood	4.61	1.83
06 11 16 00-0151	LF			2" x 6" Pressure Treated Wood Blocking To Wood	5.60	2.01
06 11 16 00-0152	LF			2" x 8" Pressure Treated Wood Blocking To Wood	6.46	2.21
06 11 16 00-0153	LF			4" x 4" Pressure Treated Wood Blocking To Wood	7.61	2.44
06 11 16 00-0154	LF			4" x 6" Pressure Treated Wood Blocking To Wood	8.14	2.68
06 11 16 00-0155	LF			2" x 4" Wood Blocking To Wood	4.12	1.83
06 11 16 00-0156	LF			2" x 6" Wood Blocking To Wood	4.79	2.01
06 11 16 00-0157	LF			2" x 8" Wood Blocking To Wood	5.51	2.21
06 11 16 00-0158	LF			4" x 4" Wood Blocking To Wood	5.80	2.44
06 11 16 00-0159	LF			4" x 6" Wood Blocking To Wood	6.52	2.68
06 11 16 00-0160				Blocking To Steel <small>(06 11 16 00-0148)</small>		
06 11 16 00-0161	LF			2" x 4" Pressure Treated Wood Blocking To Steel.....	5.25	2.10
06 11 16 00-0162	LF			2" x 6" Pressure Treated Wood Blocking To Steel.....	6.36	2.32
06 11 16 00-0163	LF			2" x 8" Pressure Treated Wood Blocking To Steel.....	7.33	2.55
06 11 16 00-0164	LF			2" x 4" Wood Blocking To Steel	4.71	2.10
06 11 16 00-0165	LF			2" x 6" Wood Blocking To Steel	5.47	2.32
06 11 16 00-0166	LF			2" x 8" Wood Blocking To Steel	6.29	2.55
06 11 16 00-0167				Blocking To Concrete <small>(06 11 16 00-0148)</small>		
06 11 16 00-0168	LF			2" x 4" Pressure Treated Wood Blocking To Concrete	5.25	2.10
06 11 16 00-0169	LF			2" x 6" Pressure Treated Wood Blocking To Concrete	6.36	2.32
06 11 16 00-0170	LF			2" x 8" Pressure Treated Wood Blocking To Concrete	7.33	2.55
06 11 16 00-0171	LF			2" x 4" Wood Blocking To Concrete	4.71	2.10
06 11 16 00-0172	LF			2" x 6" Wood Blocking To Concrete	5.47	2.32
06 11 16 00-0173	LF			2" x 8" Wood Blocking To Concrete	6.29	2.55
06 11 16 00-0174				Pressure Treated Lattice <small>(06 11 16 00-0147)</small>		
06 11 16 00-0175	SF			3/4" Thick Pressure Treated Wood Lattice	5.45	1.61
06 11 16 00-0176				Canopy Framing, Bridging, And Furring <small>(06 11 16)</small>		
06 11 16 00-0177				Wood And Steel Bridging <small>(06 11 16 00-0176)</small>		
06 11 16 00-0178				Wood Bridging <small>(06 11 16 00-0177)</small>		
06 11 16 00-0179	EA			1 Pair Wood Bridging, 1" x 3" Cross Type	6.26	2.67
				Note: For joists spaced at 16" on center.		
06 11 16 00-0180	EA			1 Pair Wood Bridging, 2" x 3" Cross Type	6.51	2.67
				Note: For joists spaced at 16" on center.		
06 11 16 00-0181				Steel Bridging <small>(06 11 16 00-0177)</small>		
06 11 16 00-0182	EA			1 Pair Steel Bridging, Wood Joists At 16" On Center.....	7.16	2.67
06 11 16 00-0183	EA			1 Pair Steel Bridging, Wood Joists At 24" On Center.....	7.15	2.67
06 11 16 00-0184				Light Framing, Trim And Furring <small>(06 11 16 00-0176)</small>		
06 11 16 00-0185				Pine/Spruce/Fir Light Framing, Trim And Furring <small>(06 11 16 00-0184)</small>		
06 11 16 00-0186	LF			1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.39	0.63
06 11 16 00-0187	LF			1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.58	0.69
06 11 16 00-0188	LF			1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	1.84	0.75
06 11 16 00-0189	LF			1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.07	0.83
06 11 16 00-0190	LF			1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	2.29	0.91
06 11 16 00-0191	LF			1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	2.54	1.01
06 11 16 00-0192	LF			2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.08	0.83
06 11 16 00-0193	LF			2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.33	0.91
06 11 16 00-0194	LF			2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.77	1.01
06 11 16 00-0195	LF			2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.30	1.11
06 11 16 00-0196	LF			2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.93	1.22

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0197			Cedar Light Framing, Trim And Furring (06 11 16 00-0184)		
06 11 16 00-0198	LF		1" x 1" Cedar Light Framing, Trim And Furring	1.42	0.63
06 11 16 00-0199	LF		1" x 2" Cedar Light Framing, Trim And Furring	1.70	0.69
06 11 16 00-0200	LF		1" x 4" Cedar Light Framing, Trim And Furring	2.33	0.75
06 11 16 00-0201	LF		1" x 6" Cedar Light Framing, Trim And Furring	2.90	0.83
06 11 16 00-0202	LF		1" x 8" Cedar Light Framing, Trim And Furring	4.48	0.91
06 11 16 00-0203	LF		1" x 10" Cedar Light Framing, Trim And Furring	5.32	1.01
06 11 16 00-0204	LF		2" x 2" Cedar Light Framing, Trim And Furring	2.40	0.83
06 11 16 00-0205	LF		2" x 4" Cedar Light Framing, Trim And Furring	2.80	0.91
06 11 16 00-0206			Oak Light Framing, Trim And Furring (06 11 16 00-0184)		
06 11 16 00-0207	LF		1" x 1" Oak Light Framing, Trim And Furring	1.42	0.63
06 11 16 00-0208	LF		1" x 2" Oak Light Framing, Trim And Furring	1.72	0.69
06 11 16 00-0209	LF		1" x 4" Oak Light Framing, Trim And Furring	2.21	0.75
06 11 16 00-0210	LF		1" x 6" Oak Light Framing, Trim And Furring	2.72	0.83
06 11 16 00-0211	LF		1" x 8" Oak Light Framing, Trim And Furring	3.23	0.91
06 11 16 00-0212	LF		1" x 10" Oak Light Framing, Trim And Furring	3.75	1.01
06 11 16 00-0213	LF		2" x 2" Oak Light Framing, Trim And Furring	2.37	0.83
06 11 16 00-0214	LF		2" x 4" Oak Light Framing, Trim And Furring	3.23	0.91
06 11 16 00-0215			Redwood Light Framing, Trim And Furring (06 11 16 00-0184)		
06 11 16 00-0216	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	1.37	0.63
06 11 16 00-0217	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	1.63	0.69
06 11 16 00-0218	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	2.04	0.75
06 11 16 00-0219	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	2.51	0.83
06 11 16 00-0220	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	3.01	0.91
06 11 16 00-0221	LF		1" x 10" Redwood Light Framing, Trim And Furring.....	3.56	1.01
06 11 16 00-0222	LF		2" x 2" Redwood Light Framing, Trim And Furring	2.52	0.83
06 11 16 00-0223	LF		2" x 4" Redwood Light Framing, Trim And Furring.....	3.03	0.91
06 11 16 00-0224			Poplar Light Framing, Trim And Furring (06 11 16 00-0184)		
06 11 16 00-0225	LF		1" x 1" Poplar Light Framing, Trim And Furring.....	1.67	0.63
06 11 16 00-0226	LF		1" x 2" Poplar Light Framing, Trim And Furring.....	2.09	0.69
06 11 16 00-0227	LF		1" x 4" Poplar Light Framing, Trim And Furring.....	2.69	0.75
06 11 16 00-0228	LF		1" x 6" Poplar Light Framing, Trim And Furring.....	3.52	0.83
06 11 16 00-0229	LF		1" x 8" Poplar Light Framing, Trim And Furring.....	4.11	0.91
06 11 16 00-0230	LF		1" x 10" Poplar Light Framing, Trim And Furring.....	5.54	1.01
06 11 16 00-0231	LF		1" x 12" Poplar Light Framing, Trim And Furring.....	6.04	1.01
06 11 16 00-0232	LF		2" x 2" Poplar Light Framing, Trim And Furring.....	4.77	0.83
06 11 16 00-0233	LF		2" x 4" Poplar Light Framing, Trim And Furring.....	5.35	0.91
06 11 16 00-0234	LF		2" x 6" Poplar Light Framing, Trim And Furring.....	7.29	1.01
06 11 16 00-0235			Maple Light Framing, Trim And Furring (06 11 16 00-0184)		
06 11 16 00-0236	LF		1" x 4" Maple Light Framing, Trim And Furring	3.97	0.75
06 11 16 00-0237	LF		1" x 6" Maple Light Framing, Trim And Furring	5.50	0.83
06 11 16 00-0238	LF		1" x 8" Maple Light Framing, Trim And Furring	7.04	0.91
06 11 16 00-0239			Platform Edging (06 11 16)		
			Note: Includes bolting to concrete surface.		
06 11 16 00-0240	LF		1" Wood Platform Edging, Including Bolts.....	11.01	4.74
06 11 16 00-0241	LF		2" Wood Platform Edging, Including Bolts.....	14.14	5.52
06 13			Heavy Timber Construction (06 10)		
06 13 23			Heavy Timber Framing (06 13)		
06 13 23 00-0001			Heavy Timber Framing (06 13 23)		
			Note: Excludes fasteners.		
06 13 23 00-0002			Heavy Timber Beams (06 13 23 00-0001)		
06 13 23 00-0003			Pine, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0004	LF		4" x 4", Pine, Heavy Timber Beam.....	3.91	1.35
06 13 23 00-0005	LF		4" x 6", Pine, Heavy Timber Beam.....	4.65	1.41
06 13 23 00-0006	LF		4" x 8", Pine, Heavy Timber Beam.....	5.36	1.46
06 13 23 00-0007	LF		4" x 10", Pine, Heavy Timber Beam.....	6.80	1.57
06 13 23 00-0008	LF		4" x 12", Pine, Heavy Timber Beam.....	7.99	1.66
06 13 23 00-0009	LF		6" x 6", Pine, Heavy Timber Beam.....	5.75	1.52
06 13 23 00-0010	LF		6" x 8", Pine, Heavy Timber Beam.....	6.79	1.61
06 13 23 00-0011	LF		6" x 10", Pine, Heavy Timber Beam.....	8.95	1.72
06 13 23 00-0012	LF		6" x 12", Pine, Heavy Timber Beam.....	10.51	1.76
06 13 23 00-0013	LF		8" x 8", Pine, Heavy Timber Beam.....	8.16	1.66
06 13 23 00-0014	LF		8" x 10", Pine, Heavy Timber Beam.....	10.79	1.72
06 13 23 00-0015	LF		8" x 12", Pine, Heavy Timber Beam.....	12.91	1.76
06 13 23 00-0016	LF		10" x 10", Pine, Heavy Timber Beam.....	12.77	1.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0017 LF 10" x 12", Pine, Heavy Timber Beam.....	15.49	1.91
06 13 23 00-0018 LF 12" x 12", Pine, Heavy Timber Beam.....	18.21	2.09
06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0020 LF 4" x 4", Douglas Fir, Heavy Timber Beam.....	4.03	1.35
06 13 23 00-0021 LF 4" x 6", Douglas Fir, Heavy Timber Beam.....	4.83	1.41
06 13 23 00-0022 LF 4" x 8", Douglas Fir, Heavy Timber Beam.....	5.61	1.46
06 13 23 00-0023 LF 4" x 10", Douglas Fir, Heavy Timber Beam.....	7.17	1.57
06 13 23 00-0024 LF 4" x 12", Douglas Fir, Heavy Timber Beam.....	8.45	1.66
06 13 23 00-0025 LF 6" x 6", Douglas Fir, Heavy Timber Beam.....	6.02	1.52
06 13 23 00-0026 LF 6" x 8", Douglas Fir, Heavy Timber Beam.....	7.15	1.61
06 13 23 00-0027 LF 6" x 10", Douglas Fir, Heavy Timber Beam.....	9.50	1.72
06 13 23 00-0028 LF 6" x 12", Douglas Fir, Heavy Timber Beam.....	11.22	1.76
06 13 23 00-0029 LF 8" x 8", Douglas Fir, Heavy Timber Beam.....	8.64	1.66
06 13 23 00-0030 LF 8" x 10", Douglas Fir, Heavy Timber Beam.....	11.52	1.72
06 13 23 00-0031 LF 8" x 12", Douglas Fir, Heavy Timber Beam.....	13.85	1.76
06 13 23 00-0032 LF 10" x 10", Douglas Fir, Heavy Timber Beam.....	13.68	1.76
06 13 23 00-0033 LF 10" x 12", Douglas Fir, Heavy Timber Beam.....	16.64	1.91
06 13 23 00-0034 LF 12" x 12", Douglas Fir, Heavy Timber Beam.....	19.60	2.09
06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0036 LF 4" x 4", Pressure Treated, Heavy Timber Beam	3.86	1.35
06 13 23 00-0037 LF 4" x 6", Pressure Treated, Heavy Timber Beam	4.67	1.41
06 13 23 00-0038 LF 4" x 8", Pressure Treated, Heavy Timber Beam	5.36	1.46
06 13 23 00-0039 LF 4" x 10", Pressure Treated, Heavy Timber Beam	6.81	1.57
06 13 23 00-0040 LF 4" x 12", Pressure Treated, Heavy Timber Beam	7.99	1.66
06 13 23 00-0041 LF 6" x 6", Pressure Treated, Heavy Timber Beam	5.75	1.52
06 13 23 00-0042 LF 6" x 8", Pressure Treated, Heavy Timber Beam	6.05	1.61
06 13 23 00-0043 LF 6" x 10", Pressure Treated, Heavy Timber Beam	8.64	1.72
06 13 23 00-0044 LF 6" x 12", Pressure Treated, Heavy Timber Beam	10.33	1.76
06 13 23 00-0045 LF 8" x 8", Pressure Treated, Heavy Timber Beam	10.36	1.66
06 13 23 00-0046 LF 8" x 10", Pressure Treated, Heavy Timber Beam	11.88	1.72
06 13 23 00-0047 LF 8" x 12", Pressure Treated, Heavy Timber Beam	13.82	1.76
06 13 23 00-0048 LF 10" x 10", Pressure Treated, Heavy Timber Beam	13.87	1.76
06 13 23 00-0049 LF 10" x 12", Pressure Treated, Heavy Timber Beam	18.02	1.91
06 13 23 00-0050 LF 12" x 12", Pressure Treated, Heavy Timber Beam	21.25	2.09
06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)		
06 13 23 00-0052 Pine, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0053 LF 4" x 4", Pine, Heavy Timber Column.....	2.63	0.71
06 13 23 00-0054 LF 4" x 6", Pine, Heavy Timber Column.....	3.32	0.75
06 13 23 00-0055 LF 4" x 8", Pine, Heavy Timber Column.....	3.96	0.77
06 13 23 00-0056 LF 4" x 10", Pine, Heavy Timber Column.....	5.32	0.82
06 13 23 00-0057 LF 4" x 12", Pine, Heavy Timber Column.....	6.42	0.87
06 13 23 00-0058 LF 6" x 6", Pine, Heavy Timber Column.....	4.32	0.79
06 13 23 00-0059 LF 6" x 8", Pine, Heavy Timber Column.....	5.30	0.83
06 13 23 00-0060 LF 6" x 10", Pine, Heavy Timber Column.....	7.32	0.90
06 13 23 00-0061 LF 6" x 12", Pine, Heavy Timber Column.....	8.85	0.92
06 13 23 00-0062 LF 8" x 8", Pine, Heavy Timber Column.....	6.59	0.87
06 13 23 00-0063 LF 8" x 10", Pine, Heavy Timber Column.....	9.16	0.90
06 13 23 00-0064 LF 8" x 12", Pine, Heavy Timber Column.....	11.21	0.95
06 13 23 00-0065 LF 10" x 10", Pine, Heavy Timber Column.....	11.07	0.95
06 13 23 00-0066 LF 10" x 12", Pine, Heavy Timber Column.....	13.69	1.01
06 13 23 00-0067 LF 12" x 12", Pine, Heavy Timber Column.....	16.22	1.11
06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0069 LF 4" x 4", Douglas Fir, Heavy Timber Column.....	2.75	0.71
06 13 23 00-0070 LF 4" x 6", Douglas Fir, Heavy Timber Column.....	3.50	0.75
06 13 23 00-0071 LF 4" x 8", Douglas Fir, Heavy Timber Column.....	4.21	0.77
06 13 23 00-0072 LF 4" x 10", Douglas Fir, Heavy Timber Column.....	5.69	0.82
06 13 23 00-0073 LF 4" x 12", Douglas Fir, Heavy Timber Column.....	6.88	0.87
06 13 23 00-0074 LF 6" x 6", Douglas Fir, Heavy Timber Column.....	4.59	0.79
06 13 23 00-0075 LF 6" x 8", Douglas Fir, Heavy Timber Column.....	5.66	0.83
06 13 23 00-0076 LF 6" x 10", Douglas Fir, Heavy Timber Column.....	7.87	0.90
06 13 23 00-0077 LF 6" x 12", Douglas Fir, Heavy Timber Column.....	9.56	0.92
06 13 23 00-0078 LF 8" x 8", Douglas Fir, Heavy Timber Column.....	7.07	0.87
06 13 23 00-0079 LF 8" x 10", Douglas Fir, Heavy Timber Column.....	9.89	0.90
06 13 23 00-0080 LF 8" x 12", Douglas Fir, Heavy Timber Column.....	12.15	0.95
06 13 23 00-0081 LF 10" x 10", Douglas Fir, Heavy Timber Column.....	11.98	0.95
06 13 23 00-0082 LF 10" x 12", Douglas Fir, Heavy Timber Column.....	14.84	1.01
06 13 23 00-0083 LF 12" x 12", Douglas Fir, Heavy Timber Column.....	17.61	1.11
06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0085 LF 4" x 4", Pressure Treated, Heavy Timber Column	2.58	0.71

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column		3.34	0.75
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column		3.96	0.77
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column		5.33	0.82
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column		6.42	0.87
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column		4.32	0.79
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column		4.56	0.83
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column		7.01	0.90
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column		8.67	0.92
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column		8.79	0.87
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column		10.25	0.90
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column		12.12	0.95
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column		12.17	0.95
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column		16.22	1.01
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column		19.26	1.11
06 15 Wood Decking <small>(06 10)</small>					
06 15 13 Wood Floor Decking <small>(06 15)</small>					
06 15 13 00-0001 Wood Deck Systems <small>(06 15 13)</small>					
Note: Includes the deck, joists, girders, posts (8' O.C.), pickets and railing.					
06 15 13 00-0002 Pressure Treated Wood Deck System <small>(06 15 13 00-0001)</small>					
06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>					
06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		23.37	5.08
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		22.48	4.83
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		24.15	5.21
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		23.27	4.96
06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>					
06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System		24.09	5.21
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System		23.18	4.95
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System		24.89	5.34
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center		23.98	5.07
06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>					
06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		23.37	5.08
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		22.48	4.83
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		24.15	5.21
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		23.27	4.96
06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0001)</small>					
06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>					
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		24.46	5.08
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		23.62	4.81
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		25.52	5.21
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System		24.55	4.96
06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>					
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System		25.80	5.21
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System		24.94	4.95
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System		26.93	5.34
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System		25.95	5.07
06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>					
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		24.90	5.08
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		24.06	4.83
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		25.98	5.21
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System		25.36	4.96
06 15 13 00-0034 Wood Ramp Systems <small>(06 15 13)</small>					
Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.					
06 15 13 00-0035 Pressure Treated Wood Ramp System <small>(06 15 13 00-0034)</small>					
06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>					
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System		27.60	4.96
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System		26.50	4.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0039 SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.49	5.08
06 15 13 00-0040 SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	27.37	4.83
06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0042 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	28.42	5.08
06 15 13 00-0043 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	27.29	4.83
06 15 13 00-0044 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.34	5.21
06 15 13 00-0045 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	28.21	4.96
06 15 13 00-0046 2" x 10" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0047 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	29.26	5.20
06 15 13 00-0048 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	28.11	4.95
06 15 13 00-0049 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	30.21	5.34
06 15 13 00-0050 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	29.04	5.07
06 15 13 00-0051 Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0052 2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0053 SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	28.63	4.96
06 15 13 00-0054 SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	27.57	4.70
06 15 13 00-0055 SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	29.77	5.08
06 15 13 00-0056 SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	28.58	4.83
06 15 13 00-0057 2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0058 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	29.51	5.08
06 15 13 00-0059 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	28.43	4.83
06 15 13 00-0060 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	30.71	5.21
06 15 13 00-0061 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	29.49	4.96
06 15 13 00-0062 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0063 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	30.98	5.20
06 15 13 00-0064 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	29.87	4.95
06 15 13 00-0065 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	32.25	5.34
06 15 13 00-0066 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	31.24	5.07
06 15 13 00-0067 Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0068 2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0069 SF 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	27.97	4.96
06 15 13 00-0070 SF 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	26.87	4.70
06 15 13 00-0071 SF 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.88	5.08
06 15 13 00-0072 SF 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	27.78	4.83
06 15 13 00-0073 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0074 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	28.81	5.08
06 15 13 00-0075 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	27.69	4.83
06 15 13 00-0076 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.76	5.21
06 15 13 00-0077 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	28.64	4.96
06 15 13 00-0078 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0079 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	29.68	5.20
06 15 13 00-0080 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	28.54	4.95
06 15 13 00-0081 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	30.66	5.34
06 15 13 00-0082 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	29.51	5.07
06 15 13 00-0083 Wood Stair Systems <small>(06 15 13)</small>		
Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
06 15 13 00-0084 Pressure Treated Wood Stair System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0084)</small>		
06 15 13 00-0086 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	72.74	12.19
06 15 13 00-0087 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	70.41	11.58
06 15 13 00-0088 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	74.88	12.50
06 15 13 00-0089 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	72.26	11.87
06 15 13 00-0090 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	76.38	12.80
06 15 13 00-0091 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	73.94	12.16
06 15 13 00-0092 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	78.62	13.13

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0093	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	75.87	12.47
06 15 13 00-0094	RSR		4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	80.13	13.44
06 15 13 00-0095	RSR		4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	77.57	12.76
06 15 13 00-0096	RSR		4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	82.49	13.79
06 15 13 00-0097	RSR		4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	79.60	13.09
06 15 13 00-0098	RSR		5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	84.81	14.11
06 15 13 00-0099	RSR		5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	82.15	13.40
06 15 13 00-0100	RSR		5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	87.30	14.47
06 15 13 00-0101	RSR		5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	84.29	13.75
06 15 13 00-0102			2" x 12" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0084)</small>		
06 15 13 00-0103	RSR		3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	74.38	12.49
06 15 13 00-0104	RSR		3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	71.78	11.87
06 15 13 00-0105	RSR		3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	76.61	12.81
06 15 13 00-0106	RSR		3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	73.95	12.17
06 15 13 00-0107	RSR		3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	78.10	13.12
06 15 13 00-0108	RSR		3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	75.37	12.47
06 15 13 00-0109	RSR		3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	80.45	13.45
06 15 13 00-0110	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	77.65	12.78
06 15 13 00-0111	RSR		4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	81.94	13.77
06 15 13 00-0112	RSR		4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	79.07	13.09
06 15 13 00-0113	RSR		4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	84.40	14.12
06 15 13 00-0114	RSR		4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	81.47	13.42
06 15 13 00-0115	RSR		5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	86.71	14.47
06 15 13 00-0116	RSR		5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	83.72	13.75
06 15 13 00-0117	RSR		5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	89.33	14.84
06 15 13 00-0118	RSR		5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	86.27	14.09
06 15 13 00-0119			Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0120			2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0119)</small>		
06 15 13 00-0121	RSR		3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	78.78	12.19
06 15 13 00-0122	RSR		3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	76.39	11.58
06 15 13 00-0123	RSR		3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	81.29	12.50
06 15 13 00-0124	RSR		3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	78.87	11.87
06 15 13 00-0125	RSR		3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	82.72	12.80
06 15 13 00-0126	RSR		3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	80.22	12.16
06 15 13 00-0127	RSR		3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	85.36	13.13
06 15 13 00-0128	RSR		3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	82.81	12.47
06 15 13 00-0129	RSR		4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	86.76	13.44
06 15 13 00-0130	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	84.14	12.76
06 15 13 00-0131	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	89.53	13.79
06 15 13 00-0132	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	86.85	13.09
06 15 13 00-0133	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	92.11	14.11
06 15 13 00-0134	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	89.37	13.40
06 15 13 00-0135	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	95.05	14.47
06 15 13 00-0136	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	92.27	13.75
06 15 13 00-0137			2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0119)</small>		
06 15 13 00-0138	RSR		3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	78.64	12.49
06 15 13 00-0139	RSR		3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	76.19	11.87
06 15 13 00-0140	RSR		3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	81.04	12.81
06 15 13 00-0141	RSR		3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	78.60	12.17
06 15 13 00-0142	RSR		3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	82.57	13.12
06 15 13 00-0143	RSR		3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	80.00	12.47
06 15 13 00-0144	RSR		3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	85.11	13.45
06 15 13 00-0145	RSR		3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	82.53	12.78
06 15 13 00-0146	RSR		4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	86.62	13.77
06 15 13 00-0147	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	83.91	13.09
06 15 13 00-0148	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	89.26	14.12
06 15 13 00-0149	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	86.57	13.42
06 15 13 00-0150	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	91.85	14.47
06 15 13 00-0151	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	89.05	13.75
06 15 13 00-0152	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	94.68	14.84
06 15 13 00-0153	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	91.87	14.09
06 15 13 00-0154			Wood Deck And Ramp Systems Repairs <small>(06 15 13)</small>		
			Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155			Deck Joist Or Girt <small>(06 15 13 00-0154)</small>		
			See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156			Deck Boards <small>(06 15 13 00-0154)</small>		
			See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF		5/4" x 4" Round Edge Pressure Treated Deck Boards.....	1.61	0.59
06 15 13 00-0158	LF		5/4" x 6" Round Edge Pressure Treated Deck Boards.....	1.77	0.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0159 LF 2" x 4" Round Edge Pressure Treated Deck Boards	1.73	0.69
06 15 13 00-0160 LF 2" x 6" Round Edge Pressure Treated Deck Boards	2.32	0.80
06 15 13 00-0161 LF 2" x 8" Round Edge Pressure Treated Deck Boards	2.98	0.97
06 15 13 00-0162 LF 2" x 10" Round Edge Pressure Treated Deck Boards	3.65	1.18
06 15 13 00-0163 LF 2" x 12" Round Edge Pressure Treated Deck Boards	4.53	1.39
06 15 13 00-0164 LF 2" x 4" Round Edge Cedar Deck Boards	2.05	0.69
06 15 13 00-0165 LF 2" x 6" Round Edge Cedar Deck Boards	2.68	0.80
06 15 13 00-0166 LF 2" x 4" Round Edge Redwood Deck Boards	2.27	0.69
06 15 13 00-0167 LF 2" x 6" Round Edge Redwood Deck Boards	3.02	0.80
06 15 13 00-0168 Deck Posts <small>(06 15 13 00-0154)</small>		
See CSI section 06 11 16 00-0103 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169 Deck Railing And Pickets <small>(06 15 13 00-0154)</small>		
See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170 LF 2" x 4" Pressure Treated Deck Railing	1.73	0.69
06 15 13 00-0171 LF 2" x 2" Pressure Treated Deck Railing Picket	1.21	0.54
06 15 13 00-0172 LF 2" x 4" Cedar Deck Railing	2.05	0.69
06 15 13 00-0173 LF 2" x 2" Cedar Deck Railing Picket	1.53	0.54
06 15 13 00-0174 LF 2" x 4" Redwood Deck Railing	2.27	0.69
06 15 13 00-0175 LF 2" x 2" Redwood Deck Railing Picket	1.70	0.54
06 16 Sheathing <small>(06 10)</small>		
06 16 23 Subflooring <small>(06 16)</small>		
06 16 23 00-0001 Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002 SF 1" x 8" Regular Surface Board Type Subfloor	2.44	0.61
Note: 4 Sides Laid In A Regular Pattern.		
<i>For Water Resistant Coating Or Treatment, Add</i>		
	0.06	
<i>For Foil Backing, Add</i>		
	0.11	
<i>For Tongue And Groove, Add</i>		
	0.07	
06 16 23 00-0003 SF 1" x 8" Diagonal Surface Board Type Subfloor	2.69	0.76
Note: 4 Sides Laid In A Diagonal Pattern.		
<i>For Water Resistant Coating Or Treatment, Add</i>		
	0.06	
<i>For Foil Backing, Add</i>		
	0.11	
<i>For Tongue And Groove, Add</i>		
	0.07	
06 16 23 00-0004 SF 1" x 10" Regular Surface Board Type Subfloor	2.36	0.54
Note: 4 sides laid in a regular pattern.		
<i>For Water Resistant Coating Or Treatment, Add</i>		
	0.07	
<i>For Foil Backing, Add</i>		
	0.11	
<i>For Tongue And Groove, Add</i>		
	0.08	
06 16 23 00-0005 SF 1" x 10" Diagonal Surface Board Type Subfloor	2.54	0.61
Note: 4 sides laid in a diagonal pattern.		
<i>For Water Resistant Coating Or Treatment, Add</i>		
	0.07	
<i>For Foil Backing, Add</i>		
	0.11	
<i>For Tongue And Groove, Add</i>		
	0.08	
06 16 33 Wood Board Sheathing <small>(06 16)</small>		
06 16 33 00-0001 Plywood <small>(06 16 33)</small>		
06 16 33 00-0002 Roof Decking <small>(06 16 33 00-0001)</small>		
06 16 33 00-0003 SF 3/8" Thick CDX Plywood Roof Decking	1.40	0.39
Note: Applied to wood rafters.		
<i>For Shear Wall Construction, Add</i>		
	0.18	
<i>For Exterior CC Grade Plywood, Add</i>		
	0.08	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>		
	0.18	
<i>For ACQ Preservative Treatment, Add</i>		
	0.24	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>		
	1.34	
<i>For Fire Retardant Treatment, Add</i>		
	0.40	
<i>For >3,200 To 6,400, Deduct</i>		
	-0.01	
<i>For >6,400 To 12,800, Deduct</i>		
	-0.02	
<i>For >12,800, Deduct</i>		
	-0.03	
06 16 33 00-0004 SF 1/2" Thick CDX Plywood Roof Decking	1.61	0.46
Note: Applied to wood rafters.		
<i>For Shear Wall Construction, Add</i>		
	0.20	
<i>For Exterior CC Grade Plywood, Add</i>		
	0.09	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>		
	0.20	
<i>For ACQ Preservative Treatment, Add</i>		
	0.30	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>		
	1.49	
<i>For Fire Retardant Treatment, Add</i>		
	0.49	
<i>For >3,200 To 6,400, Deduct</i>		
	-0.01	
<i>For >6,400 To 12,800, Deduct</i>		
	-0.02	
<i>For >12,800, Deduct</i>		
	-0.04	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking.....		1.81	0.46
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.21	
		For Exterior CC Grade Plywood, Add		0.11	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.21	
		For ACQ Preservative Treatment, Add		0.36	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.59	
		For Fire Retardant Treatment, Add		0.59	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.03	
		For >12,800, Deduct		-0.05	
		For Tongue And Groove, Add		0.05	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking.....		2.01	0.54
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.23	
		For Exterior CC Grade Plywood, Add		0.13	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.23	
		For ACQ Preservative Treatment, Add		0.42	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.71	
		For Fire Retardant Treatment, Add		0.69	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.03	
		For >12,800, Deduct		-0.05	
		For Tongue And Groove, Add		0.06	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking.....		2.42	0.61
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.25	
		For Exterior CC Grade Plywood, Add		0.18	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.25	
		For ACQ Preservative Treatment, Add		0.57	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.86	
		For Fire Retardant Treatment, Add		0.93	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.05	
		For >12,800, Deduct		-0.07	
		For Tongue And Groove, Add		0.08	
06 16 33 00-0008		Wall Sheathing <small>(06 16 33 00-0001)</small>			
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing.....		1.65	0.54
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add		0.23	
		For Exterior CC Grade Plywood, Add		0.08	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.23	
		For Ceiling Installation, Add		0.11	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.71	
		For Fire Retardant Treatment, Add		0.40	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.03	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing.....		1.67	0.54
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add		0.23	
		For Exterior CC Grade Plywood, Add		0.08	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.23	
		For Ceiling Installation, Add		0.11	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.71	
		For Fire Retardant Treatment, Add		0.42	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.03	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing.....		1.72	0.61
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add		0.23	
		For Exterior CC Grade Plywood, Add		0.09	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.23	
		For Ceiling Installation, Add		0.11	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.71	
		For Fire Retardant Treatment, Add		0.46	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.03	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing.....		1.95	0.61
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add		0.24	
		For Exterior CC Grade Plywood, Add		0.11	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.24	
		For Ceiling Installation, Add		0.12	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.83	
		For Fire Retardant Treatment, Add		0.58	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.03	
		For >12,800, Deduct		-0.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0013 SF 5/8" Interior BC Plywood Wall Sheathing.....	2.17	0.69
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.26	
<i>For Exterior CC Grade Plywood, Add</i>	0.13	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.26	
<i>For Ceiling Installation, Add</i>	0.13	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.97	
<i>For Fire Retardant Treatment, Add</i>	0.68	
<i>For >3,200 To 6,400, Deduct</i>	-0.02	
<i>For >6,400 To 12,800, Deduct</i>	-0.03	
<i>For >12,800, Deduct</i>	-0.05	
06 16 33 00-0014 SF 3/4" Interior BC Plywood Wall Sheathing.....	2.39	0.76
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.28	
<i>For Exterior CC Grade Plywood, Add</i>	0.15	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.28	
<i>For Ceiling Installation, Add</i>	0.14	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.12	
<i>For Fire Retardant Treatment, Add</i>	0.77	
<i>For >3,200 To 6,400, Deduct</i>	-0.02	
<i>For >6,400 To 12,800, Deduct</i>	-0.04	
<i>For >12,800, Deduct</i>	-0.06	
06 16 33 00-0015 Floor Decking <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016 SF 5/16" CD Grade Plywood Floor Decking.....	1.22	0.46
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.28	
<i>For Fire Retardant Treatment, Add</i>	0.29	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.01	
<i>For >12,800, Deduct</i>	-0.02	
<i>For ACQ Preservative Treatment, Add</i>	0.18	
<i>For Fir Plywood, Add</i>	0.07	
<i>For BC Grade Plywood, Add</i>	0.05	
<i>For Exterior Glue, Add</i>	0.03	
<i>For Marine Grade, Add</i>	0.29	
06 16 33 00-0017 SF 3/8" CD Grade Plywood Floor Decking.....	1.31	0.46
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.35	
<i>For Fire Retardant Treatment, Add</i>	0.32	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.02	
<i>For >12,800, Deduct</i>	-0.02	
<i>For ACQ Preservative Treatment, Add</i>	0.20	
<i>For Fir Plywood, Add</i>	0.08	
<i>For BC Grade Plywood, Add</i>	0.06	
<i>For Exterior Glue, Add</i>	0.04	
<i>For Marine Grade, Add</i>	0.32	
06 16 33 00-0018 SF 1/2" CD Grade Plywood Floor Decking.....	1.50	0.46
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.44	
<i>For Fire Retardant Treatment, Add</i>	0.43	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.02	
<i>For >12,800, Deduct</i>	-0.03	
<i>For ACQ Preservative Treatment, Add</i>	0.26	
<i>For Fir Plywood, Add</i>	0.10	
<i>For BC Grade Plywood, Add</i>	0.08	
<i>For Exterior Glue, Add</i>	0.05	
<i>For Marine Grade, Add</i>	0.42	
06 16 33 00-0019 SF 5/8" CD Grade Plywood Floor Decking.....	1.69	0.46
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.56	
<i>For Fire Retardant Treatment, Add</i>	0.51	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.03	
<i>For >12,800, Deduct</i>	-0.04	
<i>For ACQ Preservative Treatment, Add</i>	0.31	
<i>For Fir Plywood, Add</i>	0.12	
<i>For BC Grade Plywood, Add</i>	0.10	
<i>For Exterior Glue, Add</i>	0.06	
<i>For Marine Grade, Add</i>	0.51	
06 16 33 00-0020 SF 3/4" CD Grade Plywood Floor Decking.....	1.93	0.46
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.65	
<i>For Fire Retardant Treatment, Add</i>	0.66	
<i>For >3,200 To 6,400, Deduct</i>	-0.02	
<i>For >6,400 To 12,800, Deduct</i>	-0.03	
<i>For >12,800, Deduct</i>	-0.05	
<i>For ACQ Preservative Treatment, Add</i>	0.40	
<i>For Fir Plywood, Add</i>	0.15	
<i>For BC Grade Plywood, Add</i>	0.12	
<i>For Exterior Glue, Add</i>	0.08	
<i>For Marine Grade, Add</i>	0.65	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking.....		2.89	0.69
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.97	
		For Fire Retardant Treatment, Add		1.25	
		For >3,200 To 6,400, Deduct		-0.03	
		For >6,400 To 12,800, Deduct		-0.06	
		For >12,800, Deduct		-0.09	
		For ACQ Preservative Treatment, Add		0.76	
		For Fir Plywood, Add		0.29	
		For BC Grade Plywood, Add		0.23	
		For Exterior Glue, Add		0.15	
		For Marine Grade, Add		1.24	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking.....		1.83	0.46
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.44	
		For Fire Retardant Treatment, Add		0.69	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.03	
		For >12,800, Deduct		-0.05	
		For ACQ Preservative Treatment, Add		0.42	
		For Exterior Glue, Add		0.08	
		For Marine Grade, Add		0.68	
		For Tongue And Groove, Add		0.06	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking.....		2.05	0.46
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.56	
		For Fire Retardant Treatment, Add		0.80	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.04	
		For >12,800, Deduct		-0.06	
		For ACQ Preservative Treatment, Add		0.48	
		For Exterior Glue, Add		0.09	
		For Marine Grade, Add		0.79	
		For Tongue And Groove, Add		0.07	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking.....		2.20	0.46
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.65	
		For Fire Retardant Treatment, Add		0.87	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.04	
		For >12,800, Deduct		-0.07	
		For ACQ Preservative Treatment, Add		0.53	
		For Exterior Glue, Add		0.10	
		For Marine Grade, Add		0.86	
		For Tongue And Groove, Add		0.08	
06 16 33 00-0025		Underlayment Grade Subfloor <small>(06 16 33 00-0001)</small>			
		Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade Subfloor.....		1.32	0.46
		For Fire Retardant Treatment, Add		0.35	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.03	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade Subfloor.....		1.40	0.46
		For Fire Retardant Treatment, Add		0.38	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.03	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade Subfloor.....		1.47	0.54
		For Fire Retardant Treatment, Add		0.41	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.03	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade Subfloor.....		1.68	0.54
		For Fire Retardant Treatment, Add		0.49	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.04	
		For Tongue And Groove, Add		0.04	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade Subfloor.....		1.81	0.54
		For Fire Retardant Treatment, Add		0.59	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.03	
		For >12,800, Deduct		-0.05	
		For Tongue And Groove, Add		0.05	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade Subfloor.....		2.33	0.61
		For Fire Retardant Treatment, Add		0.91	
		For >3,200 To 6,400, Deduct		-0.02	
		For >6,400 To 12,800, Deduct		-0.05	
		For >12,800, Deduct		-0.07	
		For Tongue And Groove, Add		0.08	
06 16 33 00-0032	SF	3/8" Thick Plywood CDX Grade Subfloor.....		1.51	0.46
		For Fire Retardant Treatment, Add		0.47	
		For >3,200 To 6,400, Deduct		-0.01	
		For >6,400 To 12,800, Deduct		-0.02	
		For >12,800, Deduct		-0.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0033 SF 5/8" Thick Plywood CDX Grade Subfloor..... <i>For Fire Retardant Treatment, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	1.93 0.70 -0.02 -0.04 -0.05	0.54
06 16 33 00-0034 Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0035 On Roof <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036 SF 3/8" Thick Structural Oriented Strand Board On Roof..... <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.10 0.00 -0.01 -0.01 0.17 1.34	0.46
06 16 33 00-0037 SF 1/2" Thick Structural Oriented Strand Board On Roof..... <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.24 -0.01 -0.01 -0.02 0.20 1.49	0.46
06 16 33 00-0038 SF 5/8" Thick Structural Oriented Strand Board On Roof..... <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.42 -0.01 -0.01 -0.02 0.28 1.59	0.54
06 16 33 00-0039 SF 3/4" Thick Structural Oriented Strand Board On Roof..... <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.62 -0.01 -0.02 -0.03 0.38 1.71	0.54
06 16 33 00-0040 On Walls <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041 SF 3/8" Thick Structural Oriented Strand Board On Walls <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.35 0.00 -0.01 -0.01 0.17 1.71	0.54
06 16 33 00-0042 SF 1/2" Thick Structural Oriented Strand Board On Walls <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.47 -0.01 -0.01 -0.02 0.20 1.83	0.61
06 16 33 00-0043 SF 5/8" Thick Structural Oriented Strand Board On Walls <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.67 -0.01 -0.01 -0.02 0.28 1.97	0.69
06 16 33 00-0044 SF 3/4" Thick Structural Oriented Strand Board On Walls <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.89 -0.01 -0.02 -0.03 0.38 2.12	0.69
06 16 33 00-0045 On Floors <small>(06 16 33 00-0034)</small> Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046 SF 3/8" Thick Structural Oriented Strand Board On Floors <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.12 0.00 -0.01 -0.01 0.17 1.37	0.46
06 16 33 00-0047 SF 1/2" Thick Structural Oriented Strand Board On Floors <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.35 -0.01 -0.01 -0.02 0.20 1.65	0.54
06 16 33 00-0048 SF 5/8" Thick Structural Oriented Strand Board On Floors <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.56 -0.01 -0.01 -0.02 0.28 1.80	0.61

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0049	SF		3/4" Thick Structural Oriented Strand Board On Floors.....	1.79	0.69
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.03	
			<i>For Fire Retardant Treatment, Add</i>	0.38	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.97	
06 16 33 00-0050			Particle Board (06 16 33)		
06 16 33 00-0051			Particle Board Floor Decking (06 16 33 00-0050)		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF		3/8" Particle Board Floor Decking.....	1.42	0.39
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	0.41	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.03	
			<i>For >12,800, Deduct</i>	-0.04	
			<i>For Tongue And Groove, Add</i>	0.04	
06 16 33 00-0053	SF		1/2" Particle Board Floor Decking.....	1.66	0.39
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	0.55	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.04	
			<i>For >12,800, Deduct</i>	-0.06	
			<i>For Tongue And Groove, Add</i>	0.05	
06 16 33 00-0054	SF		5/8" Particle Board Floor Decking.....	1.90	0.46
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	0.70	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.04	
			<i>For >12,800, Deduct</i>	-0.07	
			<i>For Tongue And Groove, Add</i>	0.06	
06 16 33 00-0055	SF		3/4" Particle Board Floor Decking.....	2.10	0.46
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	0.81	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.05	
			<i>For >12,800, Deduct</i>	-0.08	
			<i>For Tongue And Groove, Add</i>	0.07	
06 16 43 Gypsum Sheathing (06 16)					
06 16 43 00-0001			Exterior Gypsum Sheathing (06 16 43)		
			Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF		1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.14	0.61
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.24	
			<i>For Ceiling Installation, Add</i>	0.12	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.04	
			<i>For >12,800, Deduct</i>	-0.06	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	1.83	
06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.32	0.76
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.26	
			<i>For Ceiling Installation, Add</i>	0.13	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.04	
			<i>For >12,800, Deduct</i>	-0.06	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	1.97	
06 17 Shop-Fabricated Structural Wood (06 10)					
06 17 13 Laminated Veneer Lumber (06 17)					
06 17 13 00-0001			Composite Fabricated Structural Wood Joist (06 17 13)		
06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Composite Wood Joist.....	10.47	1.32
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Composite Wood Joist.....	10.71	1.34
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Composite Wood Joist.....	10.93	1.36
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Composite Wood Joist.....	12.74	1.38
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Composite Wood Joist.....	14.54	1.40
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Composite Wood Joist.....	17.31	1.45
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Composite Wood Joist.....	19.15	1.48
06 17 33 Wood I-Joists (06 17)					
06 17 33 00-0001			Prefabricated Wood I-Joists (06 17 33)		
06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.35	0.92
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.40	
			<i>For I-Joists >40' In Length, Add</i>	0.99	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.78	1.03
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.45	
			<i>For I-Joists >40' In Length, Add</i>	1.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 33 00-0004 LF 14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length <i>For I-Joists 30' To 40' In Length, Add</i> <i>For I-Joists >40' In Length, Add</i>	6.17 0.50 1.24	1.15
06 17 33 00-0005 LF 16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length <i>For I-Joists 30' To 40' In Length, Add</i> <i>For I-Joists >40' In Length, Add</i>	6.77 0.66 1.38	1.28
 06 17 53 Shop-Fabricated Wood Trusses <small>(06 17)</small>		
06 17 53 00-0001 Pre-Assembled Wood Roof Trusses <small>(06 17 53)</small>		
Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002 EA 10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	143.12 2.70 -1.80 1.08 2.88 5.39 7.19 8.63	53.59
06 17 53 00-0003 EA 12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	159.38 3.15 -2.10 1.26 3.36 6.30 8.40 10.08	58.69
06 17 53 00-0004 EA 14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	178.12 3.79 -2.53 1.52 4.04 7.58 10.11 12.13	63.80
06 17 53 00-0005 EA 16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	203.46 4.92 -3.28 1.97 5.25 9.85 13.13 15.76	68.90
06 17 53 00-0006 EA 18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	225.00 5.78 -3.85 2.31 6.16 11.55 15.40 18.48	74.00
06 17 53 00-0007 EA 20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	235.21 5.39 -3.60 2.16 5.75 10.79 14.38 17.26	81.66
06 17 53 00-0008 EA 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	247.52 5.55 -3.70 2.22 5.92 11.10 14.80 17.76	130.14
06 17 53 00-0009 EA 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	264.00 6.02 -4.01 2.41 6.42 12.04 16.05 19.26	91.86
06 17 53 00-0010 EA 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	281.16 6.54 -4.36 2.62 6.98 13.08 17.44 20.93	145.45

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0011	EA	28'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	299.23	102.08
			<i>For Up To 15, Add</i>	7.13	
			<i>For >35, Deduct</i>	-4.75	
			<i>For 3 In 12 Slope, Add</i>	2.85	
			<i>For 5 In 12 Slope, Add</i>	7.61	
			<i>For 6 In 12 Slope, Add</i>	14.26	
			<i>For 7 In 12 Slope, Add</i>	19.02	
			<i>For 8 In 12 Slope, Add</i>	22.82	
06 17 53 00-0012	EA	30'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	312.46	160.77
			<i>For Up To 15, Add</i>	7.36	
			<i>For >35, Deduct</i>	-4.91	
			<i>For 3 In 12 Slope, Add</i>	2.94	
			<i>For 5 In 12 Slope, Add</i>	7.85	
			<i>For 6 In 12 Slope, Add</i>	14.72	
			<i>For 7 In 12 Slope, Add</i>	19.62	
			<i>For 8 In 12 Slope, Add</i>	23.54	
06 17 53 00-0013	EA	32'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	327.35	109.73
			<i>For Up To 15, Add</i>	8.09	
			<i>For >35, Deduct</i>	-5.40	
			<i>For 3 In 12 Slope, Add</i>	3.24	
			<i>For 5 In 12 Slope, Add</i>	8.63	
			<i>For 6 In 12 Slope, Add</i>	16.19	
			<i>For 7 In 12 Slope, Add</i>	21.58	
			<i>For 8 In 12 Slope, Add</i>	25.90	
06 17 53 00-0014	EA	34'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	359.04	172.30
			<i>For Up To 15, Add</i>	9.70	
			<i>For >35, Deduct</i>	-6.47	
			<i>For 3 In 12 Slope, Add</i>	3.88	
			<i>For 5 In 12 Slope, Add</i>	10.35	
			<i>For 6 In 12 Slope, Add</i>	19.41	
			<i>For 7 In 12 Slope, Add</i>	25.87	
			<i>For 8 In 12 Slope, Add</i>	31.05	
06 17 53 00-0015	EA	36'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	374.33	117.39
			<i>For Up To 15, Add</i>	10.47	
			<i>For >35, Deduct</i>	-6.98	
			<i>For 3 In 12 Slope, Add</i>	4.19	
			<i>For 5 In 12 Slope, Add</i>	11.16	
			<i>For 6 In 12 Slope, Add</i>	20.93	
			<i>For 7 In 12 Slope, Add</i>	27.91	
			<i>For 8 In 12 Slope, Add</i>	33.49	
06 17 53 00-0016	EA	38'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	394.07	183.73
			<i>For Up To 15, Add</i>	11.18	
			<i>For >35, Deduct</i>	-7.45	
			<i>For 3 In 12 Slope, Add</i>	4.47	
			<i>For 5 In 12 Slope, Add</i>	11.93	
			<i>For 6 In 12 Slope, Add</i>	22.36	
			<i>For 7 In 12 Slope, Add</i>	29.82	
			<i>For 8 In 12 Slope, Add</i>	35.78	
06 17 53 00-0017	EA	40'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	407.47	127.59
			<i>For Up To 15, Add</i>	11.42	
			<i>For >35, Deduct</i>	-7.61	
			<i>For 3 In 12 Slope, Add</i>	4.57	
			<i>For 5 In 12 Slope, Add</i>	12.18	
			<i>For 6 In 12 Slope, Add</i>	22.84	
			<i>For 7 In 12 Slope, Add</i>	30.46	
			<i>For 8 In 12 Slope, Add</i>	36.55	
06 17 53 00-0018	EA	42'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	449.87	199.05
			<i>For Up To 15, Add</i>	13.84	
			<i>For >35, Deduct</i>	-9.22	
			<i>For 3 In 12 Slope, Add</i>	5.53	
			<i>For 5 In 12 Slope, Add</i>	14.76	
			<i>For 6 In 12 Slope, Add</i>	27.67	
			<i>For 7 In 12 Slope, Add</i>	36.90	
			<i>For 8 In 12 Slope, Add</i>	44.28	
06 17 53 00-0019	EA	44'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	491.41	137.80
			<i>For Up To 15, Add</i>	16.19	
			<i>For >35, Deduct</i>	-10.79	
			<i>For 3 In 12 Slope, Add</i>	6.47	
			<i>For 5 In 12 Slope, Add</i>	17.26	
			<i>For 6 In 12 Slope, Add</i>	32.37	
			<i>For 7 In 12 Slope, Add</i>	43.16	
			<i>For 8 In 12 Slope, Add</i>	51.79	
06 17 53 00-0020	EA	46'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	508.57	142.90
			<i>For Up To 15, Add</i>	16.71	
			<i>For >35, Deduct</i>	-11.14	
			<i>For 3 In 12 Slope, Add</i>	6.68	
			<i>For 5 In 12 Slope, Add</i>	17.82	
			<i>For 6 In 12 Slope, Add</i>	33.41	
			<i>For 7 In 12 Slope, Add</i>	44.55	
			<i>For 8 In 12 Slope, Add</i>	53.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0021 EA 48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	534.13	148.00
<i>For Up To 15, Add</i>	17.86	
<i>For >35, Deduct</i>	-11.91	
<i>For 3 In 12 Slope, Add</i>	7.14	
<i>For 5 In 12 Slope, Add</i>	19.05	
<i>For 6 In 12 Slope, Add</i>	35.72	
<i>For 7 In 12 Slope, Add</i>	47.62	
<i>For 8 In 12 Slope, Add</i>	57.15	
06 17 53 00-0022 EA 50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	611.02	153.11
<i>For Up To 15, Add</i>	22.86	
<i>For >35, Deduct</i>	-15.24	
<i>For 3 In 12 Slope, Add</i>	9.14	
<i>For 5 In 12 Slope, Add</i>	24.38	
<i>For 6 In 12 Slope, Add</i>	45.72	
<i>For 7 In 12 Slope, Add</i>	60.96	
<i>For 8 In 12 Slope, Add</i>	73.15	
06 17 53 00-0023 EA 52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	578.84	137.70
<i>For Up To 15, Add</i>	20.45	
<i>For >35, Deduct</i>	-13.63	
<i>For 3 In 12 Slope, Add</i>	8.18	
<i>For 5 In 12 Slope, Add</i>	21.81	
<i>For 6 In 12 Slope, Add</i>	40.89	
<i>For 7 In 12 Slope, Add</i>	54.52	
<i>For 8 In 12 Slope, Add</i>	65.43	
06 17 53 00-0024 EA 54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	607.31	160.77
<i>For Up To 15, Add</i>	21.43	
<i>For >35, Deduct</i>	-14.29	
<i>For 3 In 12 Slope, Add</i>	8.57	
<i>For 5 In 12 Slope, Add</i>	22.86	
<i>For 6 In 12 Slope, Add</i>	42.87	
<i>For 7 In 12 Slope, Add</i>	57.16	
<i>For 8 In 12 Slope, Add</i>	68.59	
06 17 53 00-0025 EA 56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	631.57	149.03
<i>For Up To 15, Add</i>	22.49	
<i>For >35, Deduct</i>	-14.99	
<i>For 3 In 12 Slope, Add</i>	8.99	
<i>For 5 In 12 Slope, Add</i>	23.99	
<i>For 6 In 12 Slope, Add</i>	44.97	
<i>For 7 In 12 Slope, Add</i>	59.97	
<i>For 8 In 12 Slope, Add</i>	71.96	
06 17 53 00-0026 EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	653.32	168.42
<i>For Up To 15, Add</i>	23.74	
<i>For >35, Deduct</i>	-15.82	
<i>For 3 In 12 Slope, Add</i>	9.49	
<i>For 5 In 12 Slope, Add</i>	25.32	
<i>For 6 In 12 Slope, Add</i>	47.47	
<i>For 7 In 12 Slope, Add</i>	63.30	
<i>For 8 In 12 Slope, Add</i>	75.96	
06 17 53 00-0027 EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	667.00	170.97
<i>For Up To 15, Add</i>	24.38	
<i>For >35, Deduct</i>	-16.25	
<i>For 3 In 12 Slope, Add</i>	9.75	
<i>For 5 In 12 Slope, Add</i>	26.00	
<i>For 6 In 12 Slope, Add</i>	48.76	
<i>For 7 In 12 Slope, Add</i>	65.01	
<i>For 8 In 12 Slope, Add</i>	78.01	
06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
<small>Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.</small>		
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	147.69	53.59
<i>For 3 In 12 Slope, Add</i>	1.22	
<i>For 5 In 12 Slope, Add</i>	3.24	
<i>For 6 In 12 Slope, Add</i>	6.08	
<i>For 7 In 12 Slope, Add</i>	8.10	
<i>For 8 In 12 Slope, Add</i>	9.72	
<i>For 16" On Center Gable Studs, Add</i>	8.10	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	164.72	58.69
<i>For 3 In 12 Slope, Add</i>	1.42	
<i>For 5 In 12 Slope, Add</i>	3.79	
<i>For 6 In 12 Slope, Add</i>	7.10	
<i>For 7 In 12 Slope, Add</i>	9.47	
<i>For 8 In 12 Slope, Add</i>	11.36	
<i>For 16" On Center Gable Studs, Add</i>	9.47	
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	184.54	63.80
<i>For 3 In 12 Slope, Add</i>	1.71	
<i>For 5 In 12 Slope, Add</i>	4.56	
<i>For 6 In 12 Slope, Add</i>	8.54	
<i>For 7 In 12 Slope, Add</i>	11.39	
<i>For 8 In 12 Slope, Add</i>	13.67	
<i>For 16" On Center Gable Studs, Add</i>	11.39	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0032	EA	16'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	211.81	68.90
			<i>For 3 In 12 Slope, Add</i>	2.22	
			<i>For 5 In 12 Slope, Add</i>	5.92	
			<i>For 6 In 12 Slope, Add</i>	11.10	
			<i>For 7 In 12 Slope, Add</i>	14.80	
			<i>For 8 In 12 Slope, Add</i>	17.76	
			<i>For 16" On Center Gable Studs, Add</i>	14.80	
06 17 53 00-0033	EA	18'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	234.79	74.00
			<i>For 3 In 12 Slope, Add</i>	2.60	
			<i>For 5 In 12 Slope, Add</i>	6.94	
			<i>For 6 In 12 Slope, Add</i>	13.02	
			<i>For 7 In 12 Slope, Add</i>	17.36	
			<i>For 8 In 12 Slope, Add</i>	20.83	
			<i>For 16" On Center Gable Studs, Add</i>	17.36	
06 17 53 00-0034	EA	20'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	254.63	81.66
			<i>For 3 In 12 Slope, Add</i>	2.74	
			<i>For 5 In 12 Slope, Add</i>	7.31	
			<i>For 6 In 12 Slope, Add</i>	13.70	
			<i>For 7 In 12 Slope, Add</i>	18.26	
			<i>For 8 In 12 Slope, Add</i>	21.92	
			<i>For 16" On Center Gable Studs, Add</i>	18.26	
06 17 53 00-0035	EA	22'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	267.51	86.76
			<i>For 3 In 12 Slope, Add</i>	2.82	
			<i>For 5 In 12 Slope, Add</i>	7.52	
			<i>For 6 In 12 Slope, Add</i>	14.10	
			<i>For 7 In 12 Slope, Add</i>	18.80	
			<i>For 8 In 12 Slope, Add</i>	22.56	
			<i>For 16" On Center Gable Studs, Add</i>	18.80	
06 17 53 00-0036	EA	24'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	285.68	91.86
			<i>For 3 In 12 Slope, Add</i>	3.06	
			<i>For 5 In 12 Slope, Add</i>	8.16	
			<i>For 6 In 12 Slope, Add</i>	15.29	
			<i>For 7 In 12 Slope, Add</i>	20.39	
			<i>For 8 In 12 Slope, Add</i>	24.47	
			<i>For 16" On Center Gable Studs, Add</i>	20.39	
06 17 53 00-0037	EA	26'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	304.71	96.97
			<i>For 3 In 12 Slope, Add</i>	3.32	
			<i>For 5 In 12 Slope, Add</i>	8.86	
			<i>For 6 In 12 Slope, Add</i>	16.62	
			<i>For 7 In 12 Slope, Add</i>	22.15	
			<i>For 8 In 12 Slope, Add</i>	26.58	
			<i>For 16" On Center Gable Studs, Add</i>	22.15	
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	324.91	102.08
			<i>For 3 In 12 Slope, Add</i>	3.62	
			<i>For 5 In 12 Slope, Add</i>	9.66	
			<i>For 6 In 12 Slope, Add</i>	18.11	
			<i>For 7 In 12 Slope, Add</i>	24.15	
			<i>For 8 In 12 Slope, Add</i>	28.98	
			<i>For 16" On Center Gable Studs, Add</i>	24.15	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	340.01	107.17
			<i>For 3 In 12 Slope, Add</i>	3.77	
			<i>For 5 In 12 Slope, Add</i>	10.05	
			<i>For 6 In 12 Slope, Add</i>	18.85	
			<i>For 7 In 12 Slope, Add</i>	25.13	
			<i>For 8 In 12 Slope, Add</i>	30.16	
			<i>For 16" On Center Gable Studs, Add</i>	25.13	
06 17 53 00-0040	EA	32'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	357.67	109.73
			<i>For 3 In 12 Slope, Add</i>	4.15	
			<i>For 5 In 12 Slope, Add</i>	11.06	
			<i>For 6 In 12 Slope, Add</i>	20.73	
			<i>For 7 In 12 Slope, Add</i>	27.64	
			<i>For 8 In 12 Slope, Add</i>	33.17	
			<i>For 16" On Center Gable Studs, Add</i>	27.64	
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	395.39	114.83
			<i>For 3 In 12 Slope, Add</i>	4.97	
			<i>For 5 In 12 Slope, Add</i>	13.26	
			<i>For 6 In 12 Slope, Add</i>	24.86	
			<i>For 7 In 12 Slope, Add</i>	33.14	
			<i>For 8 In 12 Slope, Add</i>	39.77	
			<i>For 16" On Center Gable Studs, Add</i>	33.14	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	413.55	117.39
			<i>For 3 In 12 Slope, Add</i>	5.36	
			<i>For 5 In 12 Slope, Add</i>	14.30	
			<i>For 6 In 12 Slope, Add</i>	26.82	
			<i>For 7 In 12 Slope, Add</i>	35.76	
			<i>For 8 In 12 Slope, Add</i>	42.91	
			<i>For 16" On Center Gable Studs, Add</i>	35.76	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	435.96	122.49
			<i>For 3 In 12 Slope, Add</i>	5.73	
			<i>For 5 In 12 Slope, Add</i>	15.28	
			<i>For 6 In 12 Slope, Add</i>	28.65	
			<i>For 7 In 12 Slope, Add</i>	38.20	
			<i>For 8 In 12 Slope, Add</i>	45.84	
			<i>For 16" On Center Gable Studs, Add</i>	38.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0044 EA 40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	462.55	127.59
<i>For 3 In 12 Slope, Add</i>	6.22	
<i>For 5 In 12 Slope, Add</i>	16.59	
<i>For 6 In 12 Slope, Add</i>	31.10	
<i>For 7 In 12 Slope, Add</i>	41.47	
<i>For 8 In 12 Slope, Add</i>	49.77	
<i>For 16" On Center Gable Studs, Add</i>	41.47	
06 17 53 00-0045 EA 42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	516.60	132.70
<i>For 3 In 12 Slope, Add</i>	7.54	
<i>For 5 In 12 Slope, Add</i>	20.10	
<i>For 6 In 12 Slope, Add</i>	37.68	
<i>For 7 In 12 Slope, Add</i>	50.24	
<i>For 8 In 12 Slope, Add</i>	60.29	
<i>For 16" On Center Gable Studs, Add</i>	50.24	
06 17 53 00-0046 EA 44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	569.47	137.80
<i>For 3 In 12 Slope, Add</i>	8.82	
<i>For 5 In 12 Slope, Add</i>	23.51	
<i>For 6 In 12 Slope, Add</i>	44.08	
<i>For 7 In 12 Slope, Add</i>	58.77	
<i>For 8 In 12 Slope, Add</i>	70.53	
<i>For 16" On Center Gable Studs, Add</i>	58.77	
06 17 53 00-0047 EA 46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	589.15	142.90
<i>For 3 In 12 Slope, Add</i>	9.10	
<i>For 5 In 12 Slope, Add</i>	24.27	
<i>For 6 In 12 Slope, Add</i>	45.50	
<i>For 7 In 12 Slope, Add</i>	60.67	
<i>For 8 In 12 Slope, Add</i>	72.80	
<i>For 16" On Center Gable Studs, Add</i>	60.67	
06 17 53 00-0048 EA 48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	620.25	148.00
<i>For 3 In 12 Slope, Add</i>	9.73	
<i>For 5 In 12 Slope, Add</i>	25.94	
<i>For 6 In 12 Slope, Add</i>	48.64	
<i>For 7 In 12 Slope, Add</i>	64.85	
<i>For 8 In 12 Slope, Add</i>	77.82	
<i>For 16" On Center Gable Studs, Add</i>	64.85	
06 17 53 00-0049 EA 50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	678.28	153.11
<i>For 3 In 12 Slope, Add</i>	11.16	
<i>For 5 In 12 Slope, Add</i>	29.76	
<i>For 6 In 12 Slope, Add</i>	55.81	
<i>For 7 In 12 Slope, Add</i>	74.41	
<i>For 8 In 12 Slope, Add</i>	89.29	
<i>For 16" On Center Gable Studs, Add</i>	74.41	
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	693.45	158.22
<i>For 3 In 12 Slope, Add</i>	11.31	
<i>For 5 In 12 Slope, Add</i>	30.16	
<i>For 6 In 12 Slope, Add</i>	56.55	
<i>For 7 In 12 Slope, Add</i>	75.40	
<i>For 8 In 12 Slope, Add</i>	90.48	
<i>For 16" On Center Gable Studs, Add</i>	75.40	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	716.77	160.77
<i>For 3 In 12 Slope, Add</i>	11.86	
<i>For 5 In 12 Slope, Add</i>	31.62	
<i>For 6 In 12 Slope, Add</i>	59.29	
<i>For 7 In 12 Slope, Add</i>	79.05	
<i>For 8 In 12 Slope, Add</i>	94.86	
<i>For 16" On Center Gable Studs, Add</i>	79.05	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	746.40	165.87
<i>For 3 In 12 Slope, Add</i>	12.44	
<i>For 5 In 12 Slope, Add</i>	33.17	
<i>For 6 In 12 Slope, Add</i>	62.20	
<i>For 7 In 12 Slope, Add</i>	82.93	
<i>For 8 In 12 Slope, Add</i>	99.52	
<i>For 16" On Center Gable Studs, Add</i>	82.93	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	774.51	168.42
<i>For 3 In 12 Slope, Add</i>	13.13	
<i>For 5 In 12 Slope, Add</i>	35.01	
<i>For 6 In 12 Slope, Add</i>	65.65	
<i>For 7 In 12 Slope, Add</i>	87.53	
<i>For 8 In 12 Slope, Add</i>	105.04	
<i>For 16" On Center Gable Studs, Add</i>	87.53	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	791.49	170.97
<i>For 3 In 12 Slope, Add</i>	13.49	
<i>For 5 In 12 Slope, Add</i>	35.96	
<i>For 6 In 12 Slope, Add</i>	67.43	
<i>For 7 In 12 Slope, Add</i>	89.91	
<i>For 8 In 12 Slope, Add</i>	107.89	
<i>For 16" On Center Gable Studs, Add</i>	89.91	

06 18 Glued-Laminated Construction (06 10)

06 18 13 Glued-Laminated Beams (06 18)

06 18 13 00-0001 Glue Laminated Structural Units (06 18 13)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 13 00-0002 LF 20' - 60' Span Glue Laminated Straight Beam	10.76	2.67
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06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 18 Glued-Laminated Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0003 LF 30' - 60' Span Glue Laminated Tudor Arch.....	23.49	2.98
06 18 13 00-0004 LF 60' - 120' Span Glue Laminated Radial Arch	18.44	2.77
06 18 13 00-0005 LF 40' - 120' Span Glue Laminated Bow String Truss.....	13.36	2.77
06 18 13 00-0006 Glue Laminated Decking (06 18 13)		
06 18 13 00-0007 LF 2" - 4" Thick x 4" Wide Glue Laminated Decking	3.89	1.30
06 18 13 00-0008 LF 2" - 4" Thick x 6" Wide Glue Laminated Decking	3.98	1.30
06 18 13 00-0009 LF 2" - 4" Thick x 8" Wide Glue Laminated Decking	4.06	1.23
06 18 16 Glued-Laminated Columns (06 18)		
06 18 16 00-0001 Glue Laminated Structural Units (06 18 16)		
Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002 LF 3-1/4" x 7-1/2" Glue Laminated Purlin Or Column.....	11.83	2.67
06 18 16 00-0003 LF 3-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	13.34	2.97
06 18 16 00-0004 LF 5-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	24.74	6.33
06 18 16 00-0005 LF 5-1/4" x 13" Glue Laminated Purlin Or Column.....	27.32	6.64
06 20 Finish Carpentry (06)		
06 22 Millwork (06 20)		
06 22 13 Standard Pattern Wood Trim (06 22)		
06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) (06 22 13)		
06 22 13 00-0002 LF 1/4" x 1-1/4" Wood Lattice Strip	1.88	0.75
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
06 22 13 00-0003 LF 1/4" x 1-5/8" Wood Lattice Strip	1.95	0.60
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
06 22 13 00-0004 LF 1/4" x 2-1/2" Wood Lattice Strip	2.37	0.60
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
06 22 13 00-0005 LF 1/4" x 3-1/2" Wood Lattice Strip	2.62	0.60
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) (06 22 13)		
06 22 13 00-0007 White Pine (06 22 13 00-0006)		
06 22 13 00-0008 LF 9/16" x 3-5/8" White Pine Crown Or Bed Molding.....	8.21	2.65
For Birch, Add	1.59	
For Mahogany, Oak, Maple Or Walnut, Add	2.37	
For Poplar, Add	0.89	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.87	
For Stain Grade Material (No Finger Joints), Add	0.58	
06 22 13 00-0009 LF 11/16" x 4-5/8" White Pine Crown Or Bed Molding.....	10.86	3.17
For Birch, Add	2.28	
For Mahogany, Oak, Maple Or Walnut, Add	3.30	
For Poplar, Add	1.26	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.04	
For Stain Grade Material (No Finger Joints), Add	0.82	
06 22 13 00-0010 LF 3/4" x 3/4" White Pine Crown Or Bed Molding.....	4.34	1.81
For Birch, Add	0.48	
For Mahogany, Oak, Maple Or Walnut, Add	0.90	
For Poplar, Add	0.26	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.69	
For Stain Grade Material (No Finger Joints), Add	0.17	
06 22 13 00-0011 LF 9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	4.82	1.81
For Birch, Add	0.65	
For Mahogany, Oak, Maple Or Walnut, Add	1.11	
For Poplar, Add	0.36	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.69	
For Stain Grade Material (No Finger Joints), Add	0.23	
06 22 13 00-0012 LF 9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	6.27	2.27
For Birch, Add	0.90	
For Mahogany, Oak, Maple Or Walnut, Add	1.50	
For Poplar, Add	0.50	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.87	
For Stain Grade Material (No Finger Joints), Add	0.32	
06 22 13 00-0013 LF 3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	7.06	2.27
For Birch, Add	1.18	
For Mahogany, Oak, Maple Or Walnut, Add	1.85	
For Poplar, Add	0.66	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.87	
For Stain Grade Material (No Finger Joints), Add	0.43	
06 22 13 00-0014 LF 5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	8.73	2.72
For Birch, Add	1.51	
For Mahogany, Oak, Maple Or Walnut, Add	2.34	
For Poplar, Add	0.84	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.04	
For Stain Grade Material (No Finger Joints), Add	0.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0015 LF 1" x 2" White Pine Dentil Molding	4.46	2.11
For Birch, Add	0.52	
For Mahogany, Oak, Maple Or Walnut, Add	0.95	
For Poplar, Add	0.29	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.69	
For Stain Grade Material (No Finger Joints), Add	0.19	
06 22 13 00-0016 LF 9/16" x 1-3/4" White Pine Cove Molding	3.69	1.59
For Birch, Add	0.51	
For Mahogany, Oak, Maple Or Walnut, Add	0.87	
For Poplar, Add	0.28	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
For Stain Grade Material (No Finger Joints), Add	0.18	
06 22 13 00-0017 LF 11/16" x 2-3/4" White Pine Cove Molding	5.20	1.59
For Birch, Add	1.05	
For Mahogany, Oak, Maple Or Walnut, Add	1.55	
For Poplar, Add	0.59	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
For Stain Grade Material (No Finger Joints), Add	0.38	
06 22 13 00-0018 LF 3/8" x 3/8" White Pine Cove Molding	2.24	0.91
For Birch, Add	0.24	
For Mahogany, Oak, Maple Or Walnut, Add	0.46	
For Poplar, Add	0.13	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
For Stain Grade Material (No Finger Joints), Add	0.09	
06 22 13 00-0019 LF 1/2" x 1/2" White Pine Cove Molding	2.41	0.91
For Birch, Add	0.30	
For Mahogany, Oak, Maple Or Walnut, Add	0.54	
For Poplar, Add	0.17	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
For Stain Grade Material (No Finger Joints), Add	0.11	
06 22 13 00-0020 LF 5/8" x 5/8" White Pine Cove Molding	3.16	1.14
For Birch, Add	0.46	
For Mahogany, Oak, Maple Or Walnut, Add	0.76	
For Poplar, Add	0.25	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43	
For Stain Grade Material (No Finger Joints), Add	0.17	
06 22 13 00-0021 LF 3/4" x 3/4" White Pine Cove Molding	3.16	1.14
For Birch, Add	0.46	
For Mahogany, Oak, Maple Or Walnut, Add	0.76	
For Poplar, Add	0.25	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43	
For Stain Grade Material (No Finger Joints), Add	0.17	
06 22 13 00-0022 LF 15/16" x 15/16" White Pine Cove Molding	3.93	1.14
For Birch, Add	0.73	
For Mahogany, Oak, Maple Or Walnut, Add	1.11	
For Poplar, Add	0.41	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43	
For Stain Grade Material (No Finger Joints), Add	0.27	
06 22 13 00-0023 LF 7-1/2" Wide Mullion Covers	22.69	1.36
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.62	
06 22 13 00-0024 LF Three Piece Mullion Trim, 2 Cove Moldings	28.51	1.36
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.62	
06 22 13 00-0025 Cedar Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0026 LF 2" x 4" Cedar Ceiling Trim	7.65	3.81
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.26	
06 22 13 00-0027 Oak Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028 LF 1" x 8" Clear Oak Ceiling Trim	7.78	3.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
06 22 13 00-0029 Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0030 LF 1-1/8" Diameter Pine Closet Poles	5.61	1.96
06 22 13 00-0031 LF 1-5/8" Diameter Pine Closet Poles	7.68	1.96
06 22 13 00-0032 LF 2" Diameter Pine Closet Poles	10.01	2.19
06 25 Prefinished Paneling <small>(06 20)</small>		
06 25 16 Prefinished Plywood Paneling <small>(06 25)</small>		
06 25 16 00-0001 Hardboard Panels <small>(06 25 16)</small>		
Note: Excludes furring and trim.		
06 25 16 00-0002 Tempered Hardboard Panels <small>(06 25 16 00-0001)</small>		

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 25 Prefinished Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels	3.89	1.37
			<i>For Waterproof Glue, Add</i>	0.05	
			<i>For Ceiling Installation, Add</i>	0.94	
			<i>For Glue Laminated Installation, Add</i>	0.19	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.35	
			<i>For 1/2" Thick Paneling, Add</i>	0.79	
			<i>For 5/8" Thick Paneling, Add</i>	0.95	
			<i>For 3/4" Thick Paneling, Add</i>	1.16	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.61	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels	4.36	1.68
			<i>For Waterproof Glue, Add</i>	0.05	
			<i>For Ceiling Installation, Add</i>	1.10	
			<i>For Glue Laminated Installation, Add</i>	0.22	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.37	
			<i>For 1/2" Thick Paneling, Add</i>	0.82	
			<i>For 5/8" Thick Paneling, Add</i>	0.96	
			<i>For 3/4" Thick Paneling, Add</i>	1.15	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.55	
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels	4.42	1.37
			<i>For Waterproof Glue, Add</i>	0.09	
			<i>For Ceiling Installation, Add</i>	0.94	
			<i>For Glue Laminated Installation, Add</i>	0.22	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.44	
			<i>For 1/2" Thick Paneling, Add</i>	1.08	
			<i>For 5/8" Thick Paneling, Add</i>	1.35	
			<i>For 3/4" Thick Paneling, Add</i>	1.70	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.03	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard	4.52	1.68
			<i>For Waterproof Glue, Add</i>	0.06	
			<i>For Ceiling Installation, Add</i>	1.10	
			<i>For Glue Laminated Installation, Add</i>	0.23	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.40	
			<i>For 1/2" Thick Paneling, Add</i>	0.90	
			<i>For 5/8" Thick Paneling, Add</i>	1.08	
			<i>For 3/4" Thick Paneling, Add</i>	1.32	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.68	
06 25 16 00-0007			Untempered Hardboard Panels (06 25 16 00-0001)		
06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels	3.72	1.37
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Glue Laminated Installation, Add</i>	0.19	
			<i>For Lumber Core, Add</i>	0.07	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.47	

06 40 Architectural Woodwork (06)**06 41 Architectural Wood Casework** (06 40)**06 41 13 Wood-Veneer-Faced Architectural Cabinets** (06 41)**06 41 13 00-0001 Wood-Veneer Faced Cabinets** (06 41 13)

Note: AWI Custom Grade, good quality mill-made modular units, prefinished with solid hardwood face frames, hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs (1/8" vinyl laminated plywood), vinyl laminated cabinet interiors, vinyl laminated composition drawer bodies with nylon and metal guides. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves. Use appropriate modifiers for the following grades: Economy Grade - Cabinets with melamine laminated to particleboard, in textured colors or wood grain print finish; Premium Grade - Cabinets with solid hardwood fronts and frames, mitered corners and solid wood drawer bodies with steel guides and ball bearings; Laboratory Grade - Cabinets with chemical resistant finish on premium grade.

06 41 13 00-0002 Base Cabinets (06 41 13 00-0001)

Note: Excludes tops or finish.

06 41 13 00-0003 Base Cabinets, Single Drawer And Single Door (06 41 13 00-0002)**06 41 13 00-0004 Base Cabinets 34-1/2" High x 24" Deep** (06 41 13 00-0003)

06 41 13 00-0005	EA		Up To 15" Width, 34-1/2" High x 24" Deep Base Cabinet	257.27	43.11
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			<i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i>	39.16	
			<i>For 3 Drawer Unit, Add</i>	78.32	
			<i>For 4 Drawer Unit, Add</i>	97.90	
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-39.16	
			Note: (Plastic Laminate On Hardwood For Doors)		
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.58	
			<i>For Economy Grade, Deduct</i>	-78.32	
			<i>For Premium Grade, Add</i>	97.90	
			<i>For Laboratory Grade, Add</i>	127.27	
			<i>For Unfinished (Natural, Wood), Deduct</i>	-29.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0006 EA >15" To 18" Width, 34-1/2" High x 24" Deep Base Cabinet.....	284.70	52.95
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	41.86	
For 3 Drawer Unit, Add	83.72	
For 4 Drawer Unit, Add	104.65	
For Plastic Laminate On Particle Board, Deduct	-41.86	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-20.93	
For Economy Grade, Deduct	-83.72	
For Premium Grade, Add	104.65	
For Laboratory Grade, Add	136.05	
For Unfinished (Natural, Wood), Deduct	-31.40	
06 41 13 00-0007 EA >18" To 21" Width, 34-1/2" High x 24" Deep Base Cabinet.....	305.66	60.52
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	43.89	
For 3 Drawer Unit, Add	87.77	
For 4 Drawer Unit, Add	109.72	
For Plastic Laminate On Particle Board, Deduct	-43.89	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-21.94	
For Economy Grade, Deduct	-87.77	
For Premium Grade, Add	109.72	
For Laboratory Grade, Add	142.63	
For Unfinished (Natural, Wood), Deduct	-32.91	
06 41 13 00-0008 EA >21" To 24" Width, 34-1/2" High x 24" Deep Base Cabinet.....	350.28	70.35
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	50.01	
For 3 Drawer Unit, Add	100.02	
For 4 Drawer Unit, Add	125.03	
For Plastic Laminate On Particle Board, Deduct	-50.01	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-25.01	
For Economy Grade, Deduct	-100.02	
For Premium Grade, Add	125.03	
For Laboratory Grade, Add	162.54	
For Unfinished (Natural, Wood), Deduct	-37.51	
06 41 13 00-0009 Base Cabinets 30" High x 24" Deep (06 41 13 00-0003)		
06 41 13 00-0010 EA Up To 15" Width, 30" High x 24" Deep Base Cabinet.....	227.90	43.11
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	33.29	
For 3 Drawer Unit, Add	66.57	
For 4 Drawer Unit, Add	83.22	
For Plastic Laminate On Particle Board, Deduct	-33.29	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-16.64	
For Economy Grade, Deduct	-66.57	
For Premium Grade, Add	83.22	
For Laboratory Grade, Add	108.18	
For Unfinished (Natural, Wood), Deduct	-24.96	
06 41 13 00-0011 EA >15" To 18" Width, 30" High x 24" Deep Base Cabinet.....	253.31	52.95
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	35.58	
For 3 Drawer Unit, Add	71.16	
For 4 Drawer Unit, Add	88.96	
For Plastic Laminate On Particle Board, Deduct	-35.58	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-17.79	
For Economy Grade, Deduct	-71.16	
For Premium Grade, Add	88.96	
For Laboratory Grade, Add	115.64	
For Unfinished (Natural, Wood), Deduct	-26.69	
06 41 13 00-0012 EA >18" To 21" Width, 30" High x 24" Deep Base Cabinet.....	272.74	60.52
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	37.30	
For 3 Drawer Unit, Add	74.60	
For 4 Drawer Unit, Add	93.26	
For Plastic Laminate On Particle Board, Deduct	-37.30	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-18.65	
For Economy Grade, Deduct	-74.60	
For Premium Grade, Add	93.26	
For Laboratory Grade, Add	121.23	
For Unfinished (Natural, Wood), Deduct	-27.98	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0013	EA		>21" To 24" Width, 30" High x 24" Deep Base Cabinet .....312.77 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 42.51 For 3 Drawer Unit, Add 85.02 For 4 Drawer Unit, Add 106.28 For Plastic Laminate On Particle Board, Deduct -42.51 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -21.26 For Economy Grade, Deduct -85.02 For Premium Grade, Add 106.28 For Laboratory Grade, Add 138.16 For Unfinished (Natural, Wood), Deduct -31.88	312.77	69.59
06 41 13 00-0014			Base Cabinets 34-1/2" High x 24" Deep, Custom Built In Place (06 41 13 00-0003)		
06 41 13 00-0015	LF		Up To 15" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet .....233.79 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 31.33 For 3 Drawer Unit, Add 62.66 For 4 Drawer Unit, Add 78.32 For Plastic Laminate On Particle Board, Deduct -31.33 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -15.66 For Economy Grade, Deduct -62.66 For Premium Grade, Add 78.32 For Laboratory Grade, Add 101.82 For Unfinished (Natural, Wood), Deduct -23.50	233.79	53.71
06 41 13 00-0016	LF		>15" To 18" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet .....214.42 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 27.91 For 3 Drawer Unit, Add 55.81 For 4 Drawer Unit, Add 69.77 For Plastic Laminate On Particle Board, Deduct -27.91 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -13.95 For Economy Grade, Deduct -55.81 For Premium Grade, Add 69.77 For Laboratory Grade, Add 90.69 For Unfinished (Natural, Wood), Deduct -20.93	214.42	52.20
06 41 13 00-0017	LF		>18" To 24" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet .....198.00 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 25.08 For 3 Drawer Unit, Add 50.16 For 4 Drawer Unit, Add 62.70 For Plastic Laminate On Particle Board, Deduct -25.08 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -12.54 For Economy Grade, Deduct -50.16 For Premium Grade, Add 62.70 For Laboratory Grade, Add 81.50 For Unfinished (Natural, Wood), Deduct -18.81	198.00	50.68
06 41 13 00-0018	LF		>24" To 30" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet .....182.55 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 22.59 For 3 Drawer Unit, Add 45.18 For 4 Drawer Unit, Add 56.48 For Plastic Laminate On Particle Board, Deduct -22.59 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -11.30 For Economy Grade, Deduct -45.18 For Premium Grade, Add 56.48 For Laboratory Grade, Add 73.42 For Unfinished (Natural, Wood), Deduct -16.94	182.55	48.41
06 41 13 00-0019			Base Cabinets, Double Drawer And Double Door (06 41 13 00-0002)		
06 41 13 00-0020			34-1/2" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0021	EA		24" To 27" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet .....410.55 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 58.96 For Plastic Laminate On Particle Board, Deduct -58.96 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -29.48 For Economy Grade, Deduct -117.93 For Premium Grade, Add 147.41 For Laboratory Grade, Add 191.63 For Unfinished (Natural, Wood), Deduct -44.22 For 3 Drawer Unit, Add 29.48 For Sink Base With Sink Front (No Drawer), Deduct -44.22	410.55	57.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0022 EA >27"-30" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	437.88	62.03
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	62.77	
For Plastic Laminate On Particle Board, Deduct	-62.77	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-31.38	
For Economy Grade, Deduct	-125.53	
For Premium Grade, Add	156.92	
For Laboratory Grade, Add	203.99	
For Unfinished (Natural, Wood), Deduct	-47.07	
For 3 Drawer Unit, Add	31.38	
For Sink Base With Sink Front (No Drawer), Deduct	-47.07	
06 41 13 00-0023 EA >30"-33" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	455.65	63.54
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	65.72	
For Plastic Laminate On Particle Board, Deduct	-65.72	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-32.86	
For Economy Grade, Deduct	-131.43	
For Premium Grade, Add	164.29	
For Laboratory Grade, Add	213.58	
For Unfinished (Natural, Wood), Deduct	-49.29	
For 3 Drawer Unit, Add	32.86	
For Sink Base With Sink Front (No Drawer), Deduct	-49.29	
06 41 13 00-0024 EA >33"-36" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	467.69	65.05
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	67.52	
For Plastic Laminate On Particle Board, Deduct	-67.52	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-33.76	
For Economy Grade, Deduct	-135.03	
For Premium Grade, Add	168.79	
For Laboratory Grade, Add	219.43	
For Unfinished (Natural, Wood), Deduct	-50.64	
For 3 Drawer Unit, Add	33.76	
For Sink Base With Sink Front (No Drawer), Deduct	-50.64	
06 41 13 00-0025 EA >36"-42" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	500.78	70.35
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	72.02	
For Plastic Laminate On Particle Board, Deduct	-72.02	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-36.01	
For Economy Grade, Deduct	-144.04	
For Premium Grade, Add	180.05	
For Laboratory Grade, Add	234.06	
For Unfinished (Natural, Wood), Deduct	-54.01	
For 3 Drawer Unit, Add	36.01	
For Sink Base With Sink Front (No Drawer), Deduct	-54.01	
06 41 13 00-0026 EA >42"-48" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	535.83	79.42
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	75.39	
For Plastic Laminate On Particle Board, Deduct	-75.39	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-37.70	
For Economy Grade, Deduct	-150.79	
For Premium Grade, Add	188.49	
For Laboratory Grade, Add	245.03	
For Unfinished (Natural, Wood), Deduct	-56.55	
For 3 Drawer Unit, Add	37.70	
For Sink Base With Sink Front (No Drawer), Deduct	-56.55	
06 41 13 00-0027 30" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0028 EA 24" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	286.27	78.36
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	34.76	
For Plastic Laminate On Particle Board, Deduct	-34.76	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-17.38	
For Economy Grade, Deduct	-69.51	
For Premium Grade, Add	86.89	
For Laboratory Grade, Add	112.96	
For Unfinished (Natural, Wood), Deduct	-26.07	
For 3 Drawer Unit, Add	17.38	
For Sink Base With Sink Front (No Drawer), Deduct	-26.07	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0029	EA		30" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet .....403.38 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 55.88 For Plastic Laminate On Particle Board, Deduct -55.88 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -27.94 For Economy Grade, Deduct -111.75 For Premium Grade, Add 139.69 For Laboratory Grade, Add 181.60 For Unfinished (Natural, Wood), Deduct -41.91 For 3 Drawer Unit, Add 27.94 For Sink Base With Sink Front (No Drawer), Deduct -41.91	403.38	87.36
06 41 13 00-0030	EA		36" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet .....465.28 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 66.97 For Plastic Laminate On Particle Board, Deduct -66.97 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -33.49 For Economy Grade, Deduct -133.94 For Premium Grade, Add 167.43 For Laboratory Grade, Add 217.66 For Unfinished (Natural, Wood), Deduct -50.23 For 3 Drawer Unit, Add 33.49 For Sink Base With Sink Front (No Drawer), Deduct -50.23	465.28	90.55
06 41 13 00-0031	EA		42" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet .....554.61 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 82.78 For Plastic Laminate On Particle Board, Deduct -82.78 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -41.39 For Economy Grade, Deduct -165.56 For Premium Grade, Add 206.96 For Laboratory Grade, Add 269.04 For Unfinished (Natural, Wood), Deduct -62.09 For 3 Drawer Unit, Add 41.39 For Sink Base With Sink Front (No Drawer), Deduct -62.09	554.61	98.48
06 41 13 00-0032	EA		48" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet .....629.25 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 94.08 For Plastic Laminate On Particle Board, Deduct -94.08 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -47.04 For Economy Grade, Deduct -188.16 For Premium Grade, Add 235.20 For Laboratory Grade, Add 305.76 For Unfinished (Natural, Wood), Deduct -70.56 For 3 Drawer Unit, Add 47.04 For Sink Base With Sink Front (No Drawer), Deduct -70.56	629.25	111.19
06 41 13 00-0033			34-1/2" High x 24" Deep, Custom Built In Place <small>(06 41 13 00-0019)</small>		
06 41 13 00-0034	LF		24" To 30" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet .....199.66 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 25.11 For Plastic Laminate On Particle Board, Deduct -25.11 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -12.55 For Economy Grade, Deduct -50.21 For Premium Grade, Add 62.77 For Laboratory Grade, Add 81.59 For Unfinished (Natural, Wood), Deduct -18.83 For 3 Drawer Unit, Add 12.55 For Sink Base With Sink Front (No Drawer), Deduct -18.83	199.66	52.20
06 41 13 00-0035	LF		>30" To 36" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet .....180.73 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. For ADA Cabinet Units (Includes All ADA Hardware), Add 22.53 For Plastic Laminate On Particle Board, Deduct -22.53 Note: (Plastic Laminate On Hardwood For Doors) For Premium Grade Plywood With Plastic Laminate, Deduct -11.27 For Economy Grade, Deduct -45.06 For Premium Grade, Add 56.33 For Laboratory Grade, Add 73.22 For Unfinished (Natural, Wood), Deduct -16.90 For 3 Drawer Unit, Add 11.27 For Sink Base With Sink Front (No Drawer), Deduct -16.90	180.73	47.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0036 LF >36" To 42" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet.....	166.44	44.62
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	20.58	
For Plastic Laminate On Particle Board, Deduct	-20.58	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.29	
For Economy Grade, Deduct	-41.16	
For Premium Grade, Add	51.45	
For Laboratory Grade, Add	66.89	
For Unfinished (Natural, Wood), Deduct	-15.44	
For 3 Drawer Unit, Add	10.29	
For Sink Base With Sink Front (No Drawer), Deduct	-15.44	
06 41 13 00-0037 LF >42" To 48" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet.....	154.79	42.36
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	18.85	
For Plastic Laminate On Particle Board, Deduct	-18.85	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.43	
For Economy Grade, Deduct	-37.71	
For Premium Grade, Add	47.14	
For Laboratory Grade, Add	61.28	
For Unfinished (Natural, Wood), Deduct	-14.14	
For 3 Drawer Unit, Add	9.43	
For Sink Base With Sink Front (No Drawer), Deduct	-14.14	
06 41 13 00-0038 Vanity Bases <small>(06 41 13 00-0002)</small>		
06 41 13 00-0039 EA 30" High x 21" Deep x 24" Wide Vanity Bases, 2 Door.....	321.29	56.28
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	41.76	
For Plastic Laminate On Particle Board, Deduct	-41.76	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-20.88	
For Economy Grade, Deduct	-83.52	
For Premium Grade, Add	104.40	
For Laboratory Grade, Add	135.72	
For Unfinished (Natural, Wood), Deduct	-31.32	
06 41 13 00-0040 EA 30" High x 21" Deep x 30" Wide Vanity Bases, 2 Door.....	364.06	62.63
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	48.01	
For Plastic Laminate On Particle Board, Deduct	-48.01	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-24.01	
For Economy Grade, Deduct	-96.02	
For Premium Grade, Add	120.03	
For Laboratory Grade, Add	156.04	
For Unfinished (Natural, Wood), Deduct	-36.01	
06 41 13 00-0041 EA 30" High x 21" Deep x 36" Wide Vanity Bases, 2 Door.....	451.75	65.20
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	64.27	
For Plastic Laminate On Particle Board, Deduct	-64.27	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-32.13	
For Economy Grade, Deduct	-128.53	
For Premium Grade, Add	160.67	
For Laboratory Grade, Add	208.86	
For Unfinished (Natural, Wood), Deduct	-48.20	
06 41 13 00-0042 EA 30" High x 21" Deep x 48" Wide Vanity Bases, 2 Door.....	540.12	79.42
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	76.27	
For Plastic Laminate On Particle Board, Deduct	-76.27	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-38.13	
For Economy Grade, Deduct	-152.54	
For Premium Grade, Add	190.67	
For Laboratory Grade, Add	247.87	
For Unfinished (Natural, Wood), Deduct	-57.20	
06 41 13 00-0043 Wall Cabinets <small>(06 41 13 00-0001)</small>		
06 41 13 00-0044 Wall Cabinets 36" High x 13" Deep <small>(06 41 13 00-0043)</small>		
06 41 13 00-0045 Single Door Type Units <small>(06 41 13 00-0044)</small>		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0046	EA		Up To 15" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	220.16	54.46
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-30.42	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-15.21	
			For Economy Grade, Deduct	-60.84	
			For Premium Grade, Add	76.05	
			For Laboratory Grade, Add	98.86	
			For Unfinished (Natural, Wood), Deduct	-22.81	
06 41 13 00-0047	EA		>15" To 18" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	246.82	55.60
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-35.46	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-17.73	
			For Economy Grade, Deduct	-70.92	
			For Premium Grade, Add	88.65	
			For Laboratory Grade, Add	115.24	
			For Unfinished (Natural, Wood), Deduct	-26.59	
06 41 13 00-0048	EA		>18" To 24" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	274.54	57.48
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-40.51	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-20.26	
			For Economy Grade, Deduct	-81.02	
			For Premium Grade, Add	101.28	
			For Laboratory Grade, Add	131.66	
			For Unfinished (Natural, Wood), Deduct	-30.38	
06 41 13 00-0049	EA		>24" To 30" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	321.16	62.03
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-48.61	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-24.31	
			For Economy Grade, Deduct	-97.22	
			For Premium Grade, Add	121.53	
			For Laboratory Grade, Add	157.99	
			For Unfinished (Natural, Wood), Deduct	-36.46	
06 41 13 00-0050			Double Door Type Units <small>(06 41 13 00-0044)</small>		
06 41 13 00-0051	EA		Up To 24" Wide, 36" High x 13" Deep Double Door Wall Cabinet	283.16	63.54
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-40.57	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-20.29	
			For Economy Grade, Deduct	-81.14	
			For Premium Grade, Add	101.43	
			For Laboratory Grade, Add	131.85	
			For Unfinished (Natural, Wood), Deduct	-30.43	
06 41 13 00-0052	EA		>24" To 30" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	332.35	69.59
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-49.15	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-24.58	
			For Economy Grade, Deduct	-98.30	
			For Premium Grade, Add	122.88	
			For Laboratory Grade, Add	159.74	
			For Unfinished (Natural, Wood), Deduct	-36.86	
06 41 13 00-0053	EA		>30" To 36" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	369.64	71.10
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-56.17	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-28.09	
			For Economy Grade, Deduct	-112.35	
			For Premium Grade, Add	140.44	
			For Laboratory Grade, Add	182.57	
			For Unfinished (Natural, Wood), Deduct	-42.13	
06 41 13 00-0054	EA		>36" To 42" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	400.23	73.75
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-61.57	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-30.79	
			For Economy Grade, Deduct	-123.15	
			For Premium Grade, Add	153.94	
			For Laboratory Grade, Add	200.12	
			For Unfinished (Natural, Wood), Deduct	-46.18	



Wood, Plastics, and Composites	06	06
Architectural Woodwork	06 40	
Architectural Wood Casework	06 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0055	EA	>42" To 48" Wide, 36" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	444.01 -69.41 -34.70 -138.81 173.52 225.57 -52.05	77.15
06 41	13 00-0056		Wall Cabinets 30" High x 13" Deep (06 41 13 00-0043)		
06 41	13 00-0057		Single Door Type Units (06 41 13 00-0056)		
06 41	13 00-0058	EA	Up To 12" Wide, 30" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	173.70 -23.86 -11.93 -47.71 59.64 77.53 -17.89	43.01
06 41	13 00-0059	EA	>12" To 15" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	196.26 -27.91 -13.95 -55.81 69.77 90.69 -20.93	44.87
06 41	13 00-0060	EA	>15" To 18" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	212.12 -30.83 -15.42 -61.66 77.08 100.20 -23.12	45.82
06 41	13 00-0061	EA	>18" To 24" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	228.79 -33.76 -16.88 -67.52 84.40 109.71 -25.32	47.45
06 41	13 00-0062		Double Door Type Units (06 41 13 00-0056)		
06 41	13 00-0063	EA	Up To 27" Wide, 30" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	251.44 -38.03 -19.02 -76.07 95.09 123.61 -28.53	48.45
06 41	13 00-0064	EA	>27" To 30" Wide, 30" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	267.58 -40.96 -20.48 -81.92 102.40 133.12 -30.72	49.66

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0065	EA		>30" To 36" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....298.35 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -46.81 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -23.41 <i>For Economy Grade, Deduct</i> -93.62 <i>For Premium Grade, Add</i> 117.03 <i>For Laboratory Grade, Add</i> 152.14 <i>For Unfinished (Natural, Wood), Deduct</i> -35.11		50.86
06 41 13 00-0066	EA		>36" To 42" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....322.36 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -51.31 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -25.66 <i>For Economy Grade, Deduct</i> -102.62 <i>For Premium Grade, Add</i> 128.28 <i>For Laboratory Grade, Add</i> 166.76 <i>For Unfinished (Natural, Wood), Deduct</i> -38.48		52.05
06 41 13 00-0067	EA		>42" To 48" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....355.75 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -57.84 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -28.92 <i>For Economy Grade, Deduct</i> -115.68 <i>For Premium Grade, Add</i> 144.60 <i>For Laboratory Grade, Add</i> 187.97 <i>For Unfinished (Natural, Wood), Deduct</i> -43.38		52.65
06 41 13 00-0068			Wall Cabinets 24" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0069			Double Door Type Units (06 41 13 00-0068)		
06 41 13 00-0070	EA		Up To 24" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....220.77 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -34.21 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -17.10 <i>For Economy Grade, Deduct</i> -68.42 <i>For Premium Grade, Add</i> 85.52 <i>For Laboratory Grade, Add</i> 111.18 <i>For Unfinished (Natural, Wood), Deduct</i> -25.66		39.34
06 41 13 00-0071	EA		>24" To 30" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....235.62 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -36.68 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -18.34 <i>For Economy Grade, Deduct</i> -73.37 <i>For Premium Grade, Add</i> 91.71 <i>For Laboratory Grade, Add</i> 119.22 <i>For Unfinished (Natural, Wood), Deduct</i> -27.51		41.22
06 41 13 00-0072	EA		>30" To 36" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....256.20 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -40.51 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -20.26 <i>For Economy Grade, Deduct</i> -81.02 <i>For Premium Grade, Add</i> 101.28 <i>For Laboratory Grade, Add</i> 131.66 <i>For Unfinished (Natural, Wood), Deduct</i> -30.38		42.44
06 41 13 00-0073	EA		>36" To 42" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....278.39 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -44.79 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -22.39 <i>For Economy Grade, Deduct</i> -89.57 <i>For Premium Grade, Add</i> 111.97 <i>For Laboratory Grade, Add</i> 145.55 <i>For Unfinished (Natural, Wood), Deduct</i> -33.59		43.11
06 41 13 00-0074			Wall Cabinets 15" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0075			Double Door Type Units (06 41 13 00-0074)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0076 EA Up To 24" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....	195.62	34.56
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-30.38	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.19	
<i>For Economy Grade, Deduct</i>	-60.76	
<i>For Premium Grade, Add</i>	75.96	
<i>For Laboratory Grade, Add</i>	98.74	
<i>For Unfinished (Natural, Wood), Deduct</i>	-22.79	
06 41 13 00-0077 EA >24" To 30" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....	206.69	37.06
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-31.96	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.98	
<i>For Economy Grade, Deduct</i>	-63.92	
<i>For Premium Grade, Add</i>	79.90	
<i>For Laboratory Grade, Add</i>	103.86	
<i>For Unfinished (Natural, Wood), Deduct</i>	-23.97	
06 41 13 00-0078 EA >30" To 36" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....	228.07	42.44
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-34.88	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-17.44	
<i>For Economy Grade, Deduct</i>	-69.77	
<i>For Premium Grade, Add</i>	87.21	
<i>For Laboratory Grade, Add</i>	113.37	
<i>For Unfinished (Natural, Wood), Deduct</i>	-26.16	
06 41 13 00-0079 EA >36" To 42" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....	246.11	42.44
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-38.48	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.24	
<i>For Economy Grade, Deduct</i>	-76.97	
<i>For Premium Grade, Add</i>	96.21	
<i>For Laboratory Grade, Add</i>	125.07	
<i>For Unfinished (Natural, Wood), Deduct</i>	-28.86	
06 41 13 00-0080 Wall Cabinets 12" High x 13" Deep <small>(06 41 13 00-0043)</small>		
06 41 13 00-0081 EA 18" to 30" Wide, 12" High x 13" Deep Double Door Wall Cabinet.....	183.40	23.29
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-27.23	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-13.62	
<i>For Economy Grade, Deduct</i>	-54.46	
<i>For Premium Grade, Add</i>	68.08	
<i>For Laboratory Grade, Add</i>	88.50	
<i>For Unfinished (Natural, Wood), Deduct</i>	-20.42	
06 41 13 00-0082 EA >30" Wide, 12" High x 13" Deep Double Door Wall Cabinet.....	213.79	17.47
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-31.96	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.98	
<i>For Economy Grade, Deduct</i>	-63.92	
<i>For Premium Grade, Add</i>	79.90	
<i>For Laboratory Grade, Add</i>	103.86	
<i>For Unfinished (Natural, Wood), Deduct</i>	-23.97	
06 41 13 00-0083 Wall Cabinets 36" High x 13" Deep, Custom Built In Place <small>(06 41 13 00-0043)</small>		
06 41 13 00-0084 Single Door Type Units <small>(06 41 13 00-0083)</small>		
06 41 13 00-0085 LF Up To 15" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	203.34	57.48
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-24.33	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-12.17	
<i>For Economy Grade, Deduct</i>	-48.66	
<i>For Premium Grade, Add</i>	60.83	
<i>For Laboratory Grade, Add</i>	79.07	
<i>For Unfinished (Natural, Wood), Deduct</i>	-18.25	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0086	LF		>15 To 18" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....187.78 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -23.64 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -11.82 <i>For Economy Grade, Deduct</i> -47.28 <i>For Premium Grade, Add</i> 59.10 <i>For Laboratory Grade, Add</i> 76.82 <i>For Unfinished (Natural, Wood), Deduct</i> -17.73		48.41
06 41 13 00-0087	LF		>18 To 24" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....154.98 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -20.25 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -10.13 <i>For Economy Grade, Deduct</i> -40.51 <i>For Premium Grade, Add</i> 50.64 <i>For Laboratory Grade, Add</i> 65.83 <i>For Unfinished (Natural, Wood), Deduct</i> -15.19		37.82
06 41 13 00-0088	LF		>24 To 30" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....144.17 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -19.45 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -9.73 <i>For Economy Grade, Deduct</i> -38.91 <i>For Premium Grade, Add</i> 48.64 <i>For Laboratory Grade, Add</i> 63.23 <i>For Unfinished (Natural, Wood), Deduct</i> -14.59		32.53
06 41 13 00-0089			Double Door Type Units <small>(06 41 13 00-0083)</small>		
06 41 13 00-0090	LF		Up To 24" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....161.92 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -20.28 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -10.14 <i>For Economy Grade, Deduct</i> -40.56 <i>For Premium Grade, Add</i> 50.70 <i>For Laboratory Grade, Add</i> 65.91 <i>For Unfinished (Natural, Wood), Deduct</i> -15.21		42.36
06 41 13 00-0091	LF		>24" To 30" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....149.70 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -19.65 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -9.83 <i>For Economy Grade, Deduct</i> -39.31 <i>For Premium Grade, Add</i> 49.14 <i>For Laboratory Grade, Add</i> 63.88 <i>For Unfinished (Natural, Wood), Deduct</i> -14.74		36.31
06 41 13 00-0092	LF		>30" To 36" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....138.24 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -18.72 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -9.36 <i>For Economy Grade, Deduct</i> -37.45 <i>For Premium Grade, Add</i> 46.81 <i>For Laboratory Grade, Add</i> 60.85 <i>For Unfinished (Natural, Wood), Deduct</i> -14.04		31.01
06 41 13 00-0093	LF		>36" To 42" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....127.30 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -17.59 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -8.80 <i>For Economy Grade, Deduct</i> -35.18 <i>For Premium Grade, Add</i> 43.98 <i>For Laboratory Grade, Add</i> 57.17 <i>For Unfinished (Natural, Wood), Deduct</i> -13.19		27.23
06 41 13 00-0094	LF		>42" To 48" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....123.08 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -17.35 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -8.68 <i>For Economy Grade, Deduct</i> -34.71 <i>For Premium Grade, Add</i> 43.39 <i>For Laboratory Grade, Add</i> 56.40 <i>For Unfinished (Natural, Wood), Deduct</i> -13.02		25.72

06 41 13 00-0095 Accessories (06 41 13 00-0001)

See CSI section 06 41 93 00-0001 for cabinet hardware, 08 71 00 00-0000 for cabinet hardware.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0096 EA Wall Corner Cabinet With Shelving.....	289.99	85.06
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-20.19	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-10.10	
<i>For Economy Grade, Deduct</i>	-40.39	
<i>For Premium Grade, Add</i>	50.49	
<i>For Laboratory Grade, Add</i>	65.63	
<i>For Unfinished (Natural, Wood), Deduct</i>	-15.15	
06 41 13 00-0097 EA Wall Lazy Susan With Cabinet Enclosure.....	406.13	68.05
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-50.98	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-25.49	
<i>For Economy Grade, Deduct</i>	-101.96	
<i>For Premium Grade, Add</i>	127.46	
<i>For Laboratory Grade, Add</i>	165.69	
<i>For Unfinished (Natural, Wood), Deduct</i>	-38.24	
06 41 13 00-0098 EA Base Lazy Susan With Cabinet Enclosure	481.03	56.71
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-71.00	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-35.50	
<i>For Economy Grade, Deduct</i>	-142.01	
<i>For Premium Grade, Add</i>	177.51	
<i>For Laboratory Grade, Add</i>	230.76	
<i>For Unfinished (Natural, Wood), Deduct</i>	-53.25	
06 41 13 00-0099 EA Broom Cabinet.....	512.98	48.62
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-80.99	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-40.50	
<i>For Economy Grade, Deduct</i>	-161.99	
<i>For Premium Grade, Add</i>	202.49	
<i>For Laboratory Grade, Add</i>	263.23	
<i>For Unfinished (Natural, Wood), Deduct</i>	-60.75	
06 41 13 00-0100 EA Base Corner Cabinet	220.75	34.02
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-30.54	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.27	
<i>For Economy Grade, Deduct</i>	-61.08	
<i>For Premium Grade, Add</i>	76.35	
<i>For Laboratory Grade, Add</i>	99.26	
<i>For Unfinished (Natural, Wood), Deduct</i>	-22.91	
06 41 13 00-0101 EA Base Range Cabinet.....	208.22	28.36
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-30.30	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.15	
<i>For Economy Grade, Deduct</i>	-60.60	
<i>For Premium Grade, Add</i>	75.76	
<i>For Laboratory Grade, Add</i>	98.48	
<i>For Unfinished (Natural, Wood), Deduct</i>	-22.73	
06 41 13 00-0102 EA Double Oven Cabinet	273.67	34.02
Note: Prefinished with solid hardwood face frames, hardwood door frames.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-41.12	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-20.56	
<i>For Economy Grade, Deduct</i>	-82.25	
<i>For Premium Grade, Add</i>	102.81	
<i>For Laboratory Grade, Add</i>	133.65	
<i>For Unfinished (Natural, Wood), Deduct</i>	-30.84	
06 41 13 00-0103 EA Microwave Cabinet	186.07	22.68
Note: Prefinished with solid hardwood face frames, hardwood door frames.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-28.14	
<i>Note: (Plastic Laminate On Hardwood For Doors)</i>		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-14.07	
<i>For Economy Grade, Deduct</i>	-56.28	
<i>For Premium Grade, Add</i>	70.35	
<i>For Laboratory Grade, Add</i>	91.46	
<i>For Unfinished (Natural, Wood), Deduct</i>	-21.11	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0104	EA		30" Flipper Door And Cabinet .....240.03		43.48
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-30.62	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-15.31	
			For Economy Grade, Deduct	-61.23	
			For Premium Grade, Add	76.54	
			For Laboratory Grade, Add	99.50	
			For Unfinished (Natural, Wood), Deduct	-22.96	
06 41 13 00-0105	EA		36" Flipper Door And Cabinet .....255.45		43.48
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-33.70	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-16.85	
			For Economy Grade, Deduct	-67.40	
			For Premium Grade, Add	84.25	
			For Laboratory Grade, Add	109.53	
			For Unfinished (Natural, Wood), Deduct	-25.28	
06 41 13 00-0106	EA		48" Flipper Door And Cabinet .....281.03		43.48
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-38.82	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-19.41	
			For Economy Grade, Deduct	-77.63	
			For Premium Grade, Add	97.04	
			For Laboratory Grade, Add	126.15	
			For Unfinished (Natural, Wood), Deduct	-29.11	
06 41 13 00-0107	EA		For Keyed Lock In Door Or Drawer.....35.63		
06 41 13 00-0108	SET		Tamper-Proof Screw Sets Per Panel.....7.91		
06 41 13 00-0109			Removal And Reinstallation Of Cabinet Or Counters (06 41 13)		
			Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41 13 00-0110	LF		Remove And Reinstall Wood Base Cabinets.....57.87		
06 41 13 00-0111	LF		Remove And Reinstall Wall Cabinets .....50.32		
06 41 13 00-0112	LF		Remove And Reinstall Plastic Laminated Countertops.....11.75		
06 41 93			Cabinet And Drawer Hardware (06 41)		
06 41 93 00-0001			Cabinet Hardware (06 41 93)		
			Note: Includes all mounting screws.		
06 41 93 00-0002	EA		Hinges, Concealed, Steel, Full Or Half Overlay, Self Closing .....18.72		7.56
06 41 93 00-0003	EA		Hinges, Semi Concealed, Brass .....22.23		7.56
06 41 93 00-0004	EA		Pull Handles, Solid Brass.....15.99		6.43
06 41 93 00-0005	EA		Pull Knobs, Solid Brass.....14.83		4.91
06 41 93 00-0006	EA		Cabinet Ball And Catch.....25.74		7.56
06 41 93 00-0007	EA		Cabinet Drawer Lock Square Style, Surface Mount.....56.16		7.56
06 41 93 00-0008	EA		Cabinet Drawer Lock Square Style, Mortise Mount .....104.28		11.35
06 41 93 00-0009	EA		Cabinet Drawer Lock For Hollow Metal Drawers .....31.57		6.43
06 41 93 00-0010	EA		Door Catch.....22.56		6.43
06 41 93 00-0011	EA		Surface Bolt, Solid Brass .....32.30		6.43
06 42			Wood Paneling (06 40)		
			Note: Includes glue for installation.		
06 42 13			Wood Board Paneling (06 42)		
06 42 13 00-0001			Solid Wood Paneling (06 42 13)		
06 42 13 00-0002			7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)		
06 42 13 00-0003	SF		Homestead Cedar Paneling Tongue And Groove, 7/16".....6.37		1.59
06 42 13 00-0004	SF		Homestead Juniper Paneling Tongue And Groove, 7/16".....6.68		1.59
06 42 13 00-0005			7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)		
06 42 13 00-0006	SF		8" Random Plank Tongue And Groove, 7/16".....8.77		1.51
06 42 13 00-0007	SF		8" Solid Plank Tongue And Groove, 7/16" .....8.13		1.51
06 42 13 00-0008			1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)		
06 42 13 00-0009	SF		Alder Wood Tongue And Groove Paneling, 1/2".....7.30		1.59
06 42 13 00-0010			1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)		
06 42 13 00-0011	SF		1" Tereado (Driftwood) Wood Shiplap .....4.80		1.36
06 42 16			Flush Wood Paneling (06 42)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0001 Veneer Hardboard Panels <small>(06 42 16)</small>		
06 42 16 00-0002 SF 1/4" Veneer Paneling (Mapes).....	4.33	1.37
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	0.94	
06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick <small>(06 42 16)</small>		
06 42 16 00-0004 Birch <small>(06 42 16 00-0003)</small>		
06 42 16 00-0005 SF 1/4" Unfinished Birch Plywood, Natural Faced With Trim	3.79	1.22
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	0.82	
For Installation On Metal Studs Or Furring, Add	0.30	
For Glue Laminated Installation, Add	0.19	
For Lumber Core, Add	0.12	
For 1/8" Thick Paneling, Deduct	-0.37	
For 1/2" Thick Paneling, Add	0.90	
For 5/8" Thick Paneling, Add	1.12	
For 3/4" Thick Paneling, Add	1.40	
For Fire Retardant Treatment (Class I), Add	0.83	
06 42 16 00-0006 SF 1/4" Unfinished Birch Plywood, Select With Trim.....	3.87	1.22
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	0.82	
For Installation On Metal Studs Or Furring, Add	0.30	
For Glue Laminated Installation, Add	0.19	
For Lumber Core, Add	0.12	
For 1/8" Thick Paneling, Deduct	-0.38	
For 1/2" Thick Paneling, Add	0.94	
For 5/8" Thick Paneling, Add	1.18	
For 3/4" Thick Paneling, Add	1.48	
For Fire Retardant Treatment (Class I), Add	0.89	
06 42 16 00-0007 Knotty Pine <small>(06 42 16 00-0003)</small>		
06 42 16 00-0008 SF 1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	13.20	1.37
For Waterproof Glue, Add	0.71	
For Ceiling Installation, Add	0.92	
For Installation On Metal Studs Or Furring, Add	0.34	
For Glue Laminated Installation, Add	0.66	
For Lumber Core, Add	1.12	
For 1/8" Thick Paneling, Deduct	-1.91	
For 1/2" Thick Paneling, Add	5.85	
For 5/8" Thick Paneling, Add	7.98	
For 3/4" Thick Paneling, Add	10.72	
For Fire Retardant Treatment (Class I), Add	8.02	
06 42 16 00-0009 SF 1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim.....	12.90	1.37
For Waterproof Glue, Add	0.69	
For Ceiling Installation, Add	0.92	
For Installation On Metal Studs Or Furring, Add	0.34	
For Glue Laminated Installation, Add	0.65	
For Lumber Core, Add	1.08	
For 1/8" Thick Paneling, Deduct	-1.86	
For 1/2" Thick Paneling, Add	5.69	
For 5/8" Thick Paneling, Add	7.75	
For 3/4" Thick Paneling, Add	10.41	
For Fire Retardant Treatment (Class I), Add	7.78	
06 42 16 00-0010 Cedar (Aromatic - Closet Lining) <small>(06 42 16 00-0003)</small>		
06 42 16 00-0011 SF 1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	4.33	1.52
For Waterproof Glue, Add	0.06	
For Ceiling Installation, Add	1.03	
For Installation On Metal Studs Or Furring, Add	0.38	
For Glue Laminated Installation, Add	0.22	
For Lumber Core, Add	0.10	
For 1/8" Thick Paneling, Deduct	-0.39	
For 1/2" Thick Paneling, Add	0.89	
For 5/8" Thick Paneling, Add	1.08	
For 3/4" Thick Paneling, Add	1.32	
For Fire Retardant Treatment (Class I), Add	0.70	
06 42 16 00-0012 SF 1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	4.36	1.52
For Waterproof Glue, Add	0.06	
For Ceiling Installation, Add	1.03	
For Installation On Metal Studs Or Furring, Add	0.38	
For Glue Laminated Installation, Add	0.22	
For Lumber Core, Add	0.10	
For 1/8" Thick Paneling, Deduct	-0.39	
For 1/2" Thick Paneling, Add	0.91	
For 5/8" Thick Paneling, Add	1.10	
For 3/4" Thick Paneling, Add	1.35	
For Fire Retardant Treatment (Class I), Add	0.73	
06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick <small>(06 42 16)</small>		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0014	SF		1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	4.23	1.37
			For Flitch Matched Veneer, Add	0.59	
			For Second Grade Veneer, Deduct	-0.12	
			For Third Grade Veneer, Deduct	-0.18	
			For Waterproof Glue, Add	0.08	
			For Ceiling Installation, Add	0.92	
			For Installation On Metal Studs Or Furring, Add	0.34	
			For Glue Laminated Installation, Add	0.21	
			For Lumber Core, Add	0.13	
			For 1/8" Thick Paneling, Deduct	-0.41	
			For 1/2" Thick Paneling, Add	1.00	
			For 5/8" Thick Paneling, Add	1.25	
			For 3/4" Thick Paneling, Add	1.57	
			For Fire Retardant Treatment (Class I), Add	0.93	
06 42 16 00-0015	SF		1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	4.75	1.37
			For Flitch Matched Veneer, Add	0.85	
			For Second Grade Veneer, Deduct	-0.17	
			For Third Grade Veneer, Deduct	-0.26	
			For Waterproof Glue, Add	0.12	
			For Ceiling Installation, Add	0.92	
			For Installation On Metal Studs Or Furring, Add	0.34	
			For Glue Laminated Installation, Add	0.24	
			For Lumber Core, Add	0.19	
			For 1/8" Thick Paneling, Deduct	-0.50	
			For 1/2" Thick Paneling, Add	1.28	
			For 5/8" Thick Paneling, Add	1.64	
			For 3/4" Thick Paneling, Add	2.10	
			For Fire Retardant Treatment (Class I), Add	1.34	
06 42 16 00-0016	SF		1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	7.30	1.37
			For Flitch Matched Veneer, Add	1.83	
			For Second Grade Veneer, Deduct	-0.37	
			For Third Grade Veneer, Deduct	-0.55	
			For Waterproof Glue, Add	0.26	
			For Ceiling Installation, Add	1.10	
			For Installation On Metal Studs Or Furring, Add	0.40	
			For Glue Laminated Installation, Add	0.37	
			For Lumber Core, Add	0.40	
			For 1/8" Thick Paneling, Deduct	-0.87	
			For 1/2" Thick Paneling, Add	2.41	
			For 5/8" Thick Paneling, Add	3.18	
			For 3/4" Thick Paneling, Add	4.16	
			For Fire Retardant Treatment (Class I), Add	2.88	
06 42 16 00-0017	SF		1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	3.52	1.37
			For Flitch Matched Veneer, Add	0.39	
			For Second Grade Veneer, Deduct	-0.08	
			For Third Grade Veneer, Deduct	-0.12	
			For Waterproof Glue, Add	0.05	
			For Ceiling Installation, Add	0.82	
			For Installation On Metal Studs Or Furring, Add	0.30	
			For Glue Laminated Installation, Add	0.18	
			For Lumber Core, Add	0.09	
			For 1/8" Thick Paneling, Deduct	-0.32	
			For 1/2" Thick Paneling, Add	0.75	
			For 5/8" Thick Paneling, Add	0.91	
			For 3/4" Thick Paneling, Add	1.12	
			For Fire Retardant Treatment (Class I), Add	0.62	
06 42 16 00-0018	SF		1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	6.38	1.37
			For Flitch Matched Veneer, Add	1.47	
			For Second Grade Veneer, Deduct	-0.29	
			For Third Grade Veneer, Deduct	-0.44	
			For Waterproof Glue, Add	0.21	
			For Ceiling Installation, Add	1.03	
			For Installation On Metal Studs Or Furring, Add	0.38	
			For Glue Laminated Installation, Add	0.32	
			For Lumber Core, Add	0.32	
			For 1/8" Thick Paneling, Deduct	-0.73	
			For 1/2" Thick Paneling, Add	2.00	
			For 5/8" Thick Paneling, Add	2.62	
			For 3/4" Thick Paneling, Add	3.41	
			For Fire Retardant Treatment (Class I), Add	2.32	
06 42 16 00-0019	SF		1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	4.35	1.37
			For Flitch Matched Veneer, Add	0.65	
			For Second Grade Veneer, Deduct	-0.13	
			For Third Grade Veneer, Deduct	-0.20	
			For Waterproof Glue, Add	0.09	
			For Ceiling Installation, Add	0.92	
			For Installation On Metal Studs Or Furring, Add	0.34	
			For Glue Laminated Installation, Add	0.22	
			For Lumber Core, Add	0.14	
			For 1/8" Thick Paneling, Deduct	-0.43	
			For 1/2" Thick Paneling, Add	1.07	
			For 5/8" Thick Paneling, Add	1.34	
			For 3/4" Thick Paneling, Add	1.69	
			For Fire Retardant Treatment (Class I), Add	1.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020 SF 1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	5.16	1.37
<i>For Flitch Matched Veneer, Add</i>	0.86	
<i>For Second Grade Veneer, Deduct</i>	-0.17	
<i>For Third Grade Veneer, Deduct</i>	-0.26	
<i>For Waterproof Glue, Add</i>	0.12	
<i>For Ceiling Installation, Add</i>	1.03	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.38	
<i>For Glue Laminated Installation, Add</i>	0.26	
<i>For Lumber Core, Add</i>	0.19	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.53	
<i>For 1/2" Thick Paneling, Add</i>	1.34	
<i>For 5/8" Thick Paneling, Add</i>	1.70	
<i>For 3/4" Thick Paneling, Add</i>	2.17	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.36	
06 42 16 00-0021 SF 1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	8.45	1.37
<i>For Flitch Matched Veneer, Add</i>	2.08	
<i>For Second Grade Veneer, Deduct</i>	-0.42	
<i>For Third Grade Veneer, Deduct</i>	-0.62	
<i>For Waterproof Glue, Add</i>	0.29	
<i>For Ceiling Installation, Add</i>	1.29	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.47	
<i>For Glue Laminated Installation, Add</i>	0.42	
<i>For Lumber Core, Add</i>	0.46	
<i>For 1/8" Thick Paneling, Deduct</i>	-1.00	
<i>For 1/2" Thick Paneling, Add</i>	2.76	
<i>For 5/8" Thick Paneling, Add</i>	3.63	
<i>For 3/4" Thick Paneling, Add</i>	4.76	
<i>For Fire Retardant Treatment (Class I), Add</i>	3.29	
06 42 16 00-0022 SF 1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	6.37	1.37
<i>For Flitch Matched Veneer, Add</i>	1.47	
<i>For Second Grade Veneer, Deduct</i>	-0.29	
<i>For Third Grade Veneer, Deduct</i>	-0.44	
<i>For Waterproof Glue, Add</i>	0.21	
<i>For Ceiling Installation, Add</i>	1.03	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.38	
<i>For Glue Laminated Installation, Add</i>	0.32	
<i>For Lumber Core, Add</i>	0.32	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.73	
<i>For 1/2" Thick Paneling, Add</i>	2.00	
<i>For 5/8" Thick Paneling, Add</i>	2.61	
<i>For 3/4" Thick Paneling, Add</i>	3.40	
<i>For Fire Retardant Treatment (Class I), Add</i>	2.31	
06 42 16 00-0023 SF 1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	5.55	1.37
<i>For Flitch Matched Veneer, Add</i>	1.25	
<i>For Second Grade Veneer, Deduct</i>	-0.25	
<i>For Third Grade Veneer, Deduct</i>	-0.38	
<i>For Waterproof Glue, Add</i>	0.18	
<i>For Ceiling Installation, Add</i>	0.92	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.34	
<i>For Glue Laminated Installation, Add</i>	0.28	
<i>For Lumber Core, Add</i>	0.28	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.63	
<i>For 1/2" Thick Paneling, Add</i>	1.72	
<i>For 5/8" Thick Paneling, Add</i>	2.24	
<i>For 3/4" Thick Paneling, Add</i>	2.92	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.98	
06 42 16 00-0024 SF 1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	4.38	1.37
<i>For Flitch Matched Veneer, Add</i>	0.67	
<i>For Second Grade Veneer, Deduct</i>	-0.13	
<i>For Third Grade Veneer, Deduct</i>	-0.20	
<i>For Waterproof Glue, Add</i>	0.09	
<i>For Ceiling Installation, Add</i>	0.92	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.34	
<i>For Glue Laminated Installation, Add</i>	0.22	
<i>For Lumber Core, Add</i>	0.15	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.44	
<i>For 1/2" Thick Paneling, Add</i>	1.08	
<i>For 5/8" Thick Paneling, Add</i>	1.36	
<i>For 3/4" Thick Paneling, Add</i>	1.72	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.05	
06 42 16 00-0025 Accessories <small>(06 42 16)</small>		
06 42 16 00-0026 EA Aluminum Panel Retainer "J" With Bolt.....	15.14	
06 42 19 Plastic-Laminate-Faced Wood Paneling <small>(06 42)</small>		
06 42 19 00-0001 Plastic Laminate <small>(06 42 19)</small>		
Note: Standard colors and patterns.		
06 42 19 00-0002 SF 1/16" Plastic Laminate	5.96	2.65
Note: Includes cutting to fit.		

06 43 Wood Stairs And Railings (06 40)

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs And Railings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 43 13 Wood Stairs (06 43)**06 43 13 00-0001 Stair Parts** (06 43 13)

06 43 13 00-0002	EA	30" Baluster, Pine	33.32	15.35
06 43 13 00-0003	EA	30" Baluster, Birch	38.21	15.35
06 43 13 00-0004	EA	42" Baluster, Pine	37.01	15.87
06 43 13 00-0005	EA	42" Baluster, Birch	42.23	15.87
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	183.93	60.34
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing.....	267.58	84.68
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser.....	117.75	52.93
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.38	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser.....	136.25	58.14
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.10	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	22.69	7.94
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.60	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	27.78	4.46
		<i>For Beech, Add</i>	5.67	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.04	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread.....	33.15	4.46
		<i>For Beech, Add</i>	7.28	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.04	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	16.50	4.46
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.04	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser.....	21.63	4.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.13	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	20.49	4.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.13	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser.....	13.16	4.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.13	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser.....	12.80	4.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.13	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing.....	27.61	

06 43 13 00-0019 Interior Box Stairs (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	158.32	46.04
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.13	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	63.73	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	20.22	
		<i>For Oak Or Maple Treads, Add</i>	41.65	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	167.10	47.10
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.47	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	64.18	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	20.41	
		<i>For Oak Or Maple Treads, Add</i>	44.93	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	175.17	47.64
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.65	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	64.41	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	20.51	
		<i>For Oak Or Maple Treads, Add</i>	48.21	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	184.45	48.16
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.82	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	64.63	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	20.60	
		<i>For Oak Or Maple Treads, Add</i>	52.05	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	190.05	48.69
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.99	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	64.86	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	20.69	
		<i>For Oak Or Maple Treads, Add</i>	54.23	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	196.40	49.75
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.34	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	65.32	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	20.88	
		<i>For Oak Or Maple Treads, Add</i>	56.40	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	201.99	50.28
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.52	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	65.55	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	20.98	
		<i>For Oak Or Maple Treads, Add</i>	58.58	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	207.59	50.81
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.70	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	65.78	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	21.07	
		<i>For Oak Or Maple Treads, Add</i>	60.75	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	213.15	51.34
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.86	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	66.00	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	21.17	
		<i>For Oak Or Maple Treads, Add</i>	62.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029 EA 48" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	220.22 17.39 66.68 21.45 65.07	52.93
06 43 16 Wood Railings (06 43)		
06 43 16 00-0001 Handrails (06 43 16)		
06 43 16 00-0002 Pine, Fir, Interior Grade Or Pressure Treated Exterior Handrails (06 43 16 00-0001)		
06 43 16 00-0003 LF 1-1/2" X 1-3/4" Wood Handrail..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.54 1.74	5.30
06 43 16 00-0004 LF 1-1/2" X 2-1/2" Wood Handrail..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.52 1.91	5.82
06 43 16 00-0005 LF Contour Style Wood Rails..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.04 2.43	5.30
06 43 16 00-0006 LF 1-1/2" Diameter Wood Rail With Brackets	10.02	3.78
06 43 16 00-0007 LF 1-3/4" Diameter Wood Rail With Brackets	11.75	4.16
06 43 16 00-0008 LF 2" Diameter Wood Rail With Brackets	15.11	4.54
06 43 16 00-0009 LF 2-1/2" Diameter Wood Rail With Brackets	17.94	5.30
06 43 16 00-0010 Handrails, Custom Hardwood With Supports (06 43 16 00-0001)		
06 43 16 00-0011 LF 1-1/2" x 4-1/2" Oak Custom Hardwood Wall Handrail With Metal Supports At 6" On Center	22.32 3.31	6.50
06 43 16 00-0012 LF 2" X 8" Red Oak Custom Hardwood Horizontal Handrail With Metal Supports At 6" On Center..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.29 3.42	6.65
06 43 16 00-0013 LF 2" X 8" Red Oak Custom Hardwood Raking Handrail With Metal Supports At 6" On Center	56.12 3.84	7.49
06 43 16 00-0014 LF 2" x 9-1/2" Red Oak Custom Hardwood Horizontal Handrail With Metal Supports At 6" On Center..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	73.84 3.81	7.49
06 43 16 00-0015 LF 2" X 9-1/2" Red Oak Custom Hardwood Rake Handrail With Metal Supports @ 6" On Center, Metal Balusters	75.70 4.24	8.32
06 44 Ornamental Woodwork (06 40)		
06 44 39 Wood Posts And Columns (06 44)		
06 44 39 00-0001 Columns (06 44 39)		
06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0003 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	38.67	5.25
06 44 39 00-0004 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	49.14	7.68
06 44 39 00-0005 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	59.69	8.89
06 44 39 00-0006 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	70.49	9.29
06 44 39 00-0007 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	150.47	10.50
06 44 39 00-0008 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	174.12	11.31
06 44 39 00-0009 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	208.54	12.12
06 44 39 00-0010 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	247.89	12.93
06 44 39 00-0011 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	43.94	5.25
06 44 39 00-0012 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	53.37	7.68
06 44 39 00-0013 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	65.53	8.89
06 44 39 00-0014 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	76.73	9.29
06 44 39 00-0015 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	163.14	10.50
06 44 39 00-0016 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	219.59	11.31
06 44 39 00-0017 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	236.71	12.12
06 44 39 00-0018 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	265.99	12.93
06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0020 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	45.75	5.25
06 44 39 00-0021 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	57.19	7.68
06 44 39 00-0022 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	70.16	8.89
06 44 39 00-0023 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	83.57	9.29
06 44 39 00-0024 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	183.29	10.50
06 44 39 00-0025 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	212.55	11.31
06 44 39 00-0026 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	255.28	12.12
06 44 39 00-0027 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	304.18	12.93
06 44 39 00-0028 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	52.35	5.25
06 44 39 00-0029 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	62.97	7.68
06 44 39 00-0030 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	77.72	8.89
06 44 39 00-0031 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	91.58	9.29
06 44 39 00-0032 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	199.16	10.50
06 44 39 00-0033 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	269.56	11.31
06 44 39 00-0034 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	290.59	12.12
06 44 39 00-0035 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	326.90	12.93

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 44 Ornamental Woodwork**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0036			Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF		6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	41.17	5.25
06 44 39 00-0038	LF		8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	52.16	7.68
06 44 39 00-0039	LF		10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	63.48	8.89
06 44 39 00-0040	LF		12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	75.19	9.29
06 44 39 00-0041	LF		6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	46.92	5.25
06 44 39 00-0042	LF		8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	56.76	7.68
06 44 39 00-0043	LF		10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	69.84	8.89
06 44 39 00-0044	LF		12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	81.98	9.29
06 44 39 00-0045			Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF		6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	62.25	5.25
06 44 39 00-0047	LF		8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	75.70	7.68
06 44 39 00-0048	LF		10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	93.70	8.89
06 44 39 00-0049	LF		12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	113.55	9.29
06 44 39 00-0050	LF		6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	71.10	5.25
06 44 39 00-0051	LF		8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	85.16	7.68
06 44 39 00-0052	LF		10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	104.77	8.89
06 44 39 00-0053	LF		12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	128.04	9.29
06 44 39 00-0054			Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001) Note: For tapered wood columns.		
06 44 39 00-0055	EA		6" Resin Corinthian Capital And Base.....	190.83	10.91
06 44 39 00-0056	EA		8" Resin Corinthian Capital And Base.....	285.80	12.12
06 44 39 00-0057	EA		10" Resin Corinthian Capital And Base.....	396.48	14.14
06 44 39 00-0058	EA		12" Resin Corinthian Capital And Base.....	505.15	16.15
06 44 39 00-0059	EA		6" Resin Greek Erectheum Cap And Base	170.71	10.91
06 44 39 00-0060	EA		8" Resin Greek Erectheum Cap And Base	235.50	12.12
06 44 39 00-0061	EA		10" Resin Greek Erectheum Cap And Base	291.86	14.14
06 44 39 00-0062	EA		12" Resin Greek Erectheum Cap And Base	380.41	16.15
06 44 39 00-0063	EA		6" Resin Roman Ionic Capital And Base.....	179.56	11.31
06 44 39 00-0064	EA		8" Resin Roman Ionic Capital And Base.....	235.50	12.12
06 44 39 00-0065	EA		10" Resin Roman Ionic Capital And Base.....	291.86	14.14
06 44 39 00-0066	EA		12" Resin Roman Ionic Capital And Base.....	370.35	16.15
06 44 39 00-0067	EA		6" Resin Scamozzi Capital And Base	181.58	11.31
06 44 39 00-0068	EA		8" Resin Scamozzi Capital And Base	255.62	12.12
06 44 39 00-0069	EA		10" Resin Scamozzi Capital And Base	301.92	14.14
06 44 39 00-0070	EA		12" Resin Scamozzi Capital And Base	412.60	16.15
06 44 39 00-0071	EA		6" Resin Temple Of Winds Cap And Base.....	181.58	11.31
06 44 39 00-0072	EA		8" Resin Temple Of Winds Cap And Base.....	277.75	12.12
06 44 39 00-0073	EA		10" Resin Temple Of Winds Cap And Base.....	366.30	14.14
06 44 39 00-0074	EA		12" Resin Temple Of Winds Cap And Base.....	452.85	16.15
06 44 39 00-0075			Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001) Note: For tapered wood columns.		
06 44 39 00-0076	EA		6" Plaster Corinthian Capital And Base.....	377.95	10.91
06 44 39 00-0077	EA		8" Plaster Corinthian Capital And Base.....	424.64	12.12
06 44 39 00-0078	EA		10" Plaster Corinthian Capital And Base.....	539.34	14.14
06 44 39 00-0079	EA		12" Plaster Corinthian Capital And Base.....	593.69	16.15
06 44 39 00-0080	EA		6" Plaster Greek Erectheum Cap And Base	253.20	10.91
06 44 39 00-0081	EA		8" Plaster Greek Erectheum Cap And Base	293.85	12.12
06 44 39 00-0082	EA		10" Plaster Greek Erectheum Cap And Base	362.28	14.14
06 44 39 00-0083	EA		12" Plaster Greek Erectheum Cap And Base	454.86	16.15
06 44 39 00-0084	EA		6" Plaster Roman Ionic Capital And Base.....	243.95	11.31
06 44 39 00-0085	EA		8" Plaster Roman Ionic Capital And Base.....	318.00	12.12
06 44 39 00-0086	EA		10" Plaster Roman Ionic Capital And Base.....	384.41	14.14
06 44 39 00-0087	EA		12" Plaster Roman Ionic Capital And Base.....	454.86	16.15
06 44 39 00-0088	EA		6" Plaster Scamozzi Capital And Base	288.22	11.31
06 44 39 00-0089	EA		8" Plaster Scamozzi Capital And Base	380.37	12.12
06 44 39 00-0090	EA		10" Plaster Scamozzi Capital And Base	428.68	14.14
06 44 39 00-0091	EA		12" Plaster Scamozzi Capital And Base	543.38	16.15
06 44 39 00-0092	EA		6" Plaster Temple Of Winds Cap And Base.....	243.95	11.31
06 44 39 00-0093	EA		8" Plaster Temple Of Winds Cap And Base.....	313.97	12.12
06 44 39 00-0094	EA		10" Plaster Temple Of Winds Cap And Base.....	408.56	14.14
06 44 39 00-0095	EA		12" Plaster Temple Of Winds Cap And Base.....	521.26	16.15
06 44 39 00-0096	EA		6" Plaster Empire Capital And Base	274.13	11.31
06 44 39 00-0097	EA		8" Plaster Empire Capital And Base	334.09	12.12
06 44 39 00-0098	EA		10" Plaster Empire Capital And Base.....	406.55	14.14
06 44 39 00-0099	EA		12" Plaster Empire Capital And Base.....	454.86	16.15

06 46 Wood Trim (06 40)**06 46 13 Wood Door and Window Casings** (06 46)**06 46 13 00-0001 Door and Window Casings** (06 46 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 13 00-0002 LF 1-1/8" Wide Plain Pine Door And Window Molding..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.31 0.62	1.21
06 46 13 00-0003 LF 1-1/8" Wide Detailed Pine Door And Window Molding..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.33 0.62	1.21
06 46 13 00-0004 LF 2-1/2" Wide Pine Complete Door And Window Trim..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.99 0.62	1.21
06 46 19 Wood Base And Shoe Moldings (06 46)		
06 46 19 00-0001 Base And Shoe Molding (06 46 19)		
06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.52 0.72	1.44
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.71 0.72	1.44
06 46 19 00-0004 LF 3-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	4.22 0.38 0.84 0.22 0.24	0.91
06 46 19 00-0005 LF 4-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	5.16 0.44 1.00 0.25 0.28	1.14
06 46 19 00-0006 LF 5-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	6.29 0.68 1.37 0.38 0.43	1.29
06 46 19 00-0007 LF 3/4" x 1" Oak Base Shoe.....	4.20	1.44
06 46 19 00-0008 LF 3/4" x 1" White Pine Base Shoe, Stain Grade.....	4.09	1.44
06 46 19 00-0009 LF 3/4" x 1" White Pine Base Shoe, Paint Grade.....	3.85	1.44
06 46 23 Wood Chair Rails (06 46)		
06 46 23 00-0001 Chair Rails (06 46 23)		
06 46 23 00-0002 LF 5/8" x 2-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	4.98 0.63 1.18 0.39	1.36
06 46 23 00-0003 LF 5/8" x 3-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	5.98 0.95 1.63 0.59	1.36
06 46 23 00-0004 LF 1/2" x 1-5/8" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	3.71 0.46 0.88 0.29	1.36
06 46 26 Wood Cornices (06 46)		
06 46 26 00-0001 Wood Cornices (06 46 26)		
06 46 26 00-0002 LF 1" x 2" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	3.92 0.32 0.71 0.41	1.36
06 46 26 00-0003 LF 1" x 4" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	4.77 0.58 1.04 0.73	1.44
06 46 26 00-0004 LF 1" x 6" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	6.37 1.11 1.72 1.39	1.51
06 46 26 00-0005 LF 1" x 8" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	7.26 1.38 2.07 1.72	1.51
06 46 26 00-0006 LF 1" x 10" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	8.30 1.69 2.48 2.12	1.59
06 46 26 00-0007 LF 1" x 12" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	10.47 2.41 3.39 3.01	1.74
06 46 29 Wood Fasciae And Soffits (06 46)		
06 46 29 00-0001 Fascia Board (06 46 29)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0002			Pine Fascia Board (06 46 29 00-0001)		
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board	3.73	1.51
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board	4.31	1.68
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board	4.69	1.76
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board	5.59	1.97
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board	3.68	1.51
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board	4.23	1.68
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board	4.80	1.76
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board	5.92	1.97
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia.....	4.25	1.51
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia.....	4.99	1.68
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia.....	5.59	1.76
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia.....	7.07	1.97
06 46 29 00-0015			Cedar Fascia Board (06 46 29 00-0001)		
06 46 29 00-0016	LF		1" x 6" Cedar Fascia Board.....	4.07	1.51
06 46 29 00-0017	LF		1" x 8" Cedar Fascia Board.....	4.83	1.68
06 46 29 00-0018	LF		1" x 10" Cedar Fascia Board.....	5.71	1.76
06 46 29 00-0019	LF		1" x 12" Cedar Fascia Board.....	7.02	1.97
06 46 29 00-0020			Engineered Wood Fascia Board (06 46 29 00-0001)		
06 46 29 00-0021	LF		1" x 6" Engineered Wood Fascia Board.....	3.53	1.51
06 46 29 00-0022	LF		1" x 8" Engineered Wood Fascia Board.....	4.04	1.68
06 46 29 00-0023	LF		1" x 12" Engineered Wood Fascia Board.....	4.98	1.97
06 46 29 00-0024			Soffit (06 46 29)		
06 46 29 00-0025			Sanded Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0026	SF		3/8" Thick, Sanded Plywood Soffit.....	3.18	1.15
06 46 29 00-0027	SF		1/2" Thick, Sanded Plywood Soffit.....	3.49	1.21
06 46 29 00-0028	SF		5/8" Thick, Sanded Plywood Soffit.....	3.67	1.26
06 46 29 00-0029	SF		3/4" Thick, Sanded Plywood Soffit.....	4.08	1.33
06 46 29 00-0030			MDO Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0031	SF		3/8" Thick, MDO Plywood Soffit.....	3.58	1.15
06 46 29 00-0032	SF		1/2" Thick, MDO Plywood Soffit.....	4.01	1.21
06 46 29 00-0033	SF		3/4" Thick, MDO Plywood Soffit.....	5.08	1.33
06 46 29 00-0034			Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)		
06 46 29 00-0035	SF		1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	2.47	1.00
06 46 29 00-0036	SF		5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	2.67	1.06
06 46 36			Custom Molding (06 46)		
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.					
06 46 36 00-0001			Ash (06 46 36)		
06 46 36 00-0002	LF		3/4" x 1-1/2" Custom Shaped Ash.....	4.67	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.61	
06 46 36 00-0003	LF		3/4" x 2-1/2" Custom Shaped Ash.....	5.77	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0004	LF		3/4" x 3-1/2" Custom Shaped Ash.....	6.86	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0005	LF		3/4" x 4-1/2" Custom Shaped Ash.....	7.95	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0006	LF		3/4" x 5-1/2" Custom Shaped Ash.....	9.13	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.71	
06 46 36 00-0007	LF		3/4" x 6-1/2" Custom Shaped Ash.....	10.30	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
06 46 36 00-0008	LF		3/4" x 7-1/2" Custom Shaped Ash.....	11.38	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	
06 46 36 00-0009	LF		3/4" x 8-1/2" Custom Shaped Ash.....	12.48	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
06 46 36 00-0010	LF		3/4" x 9-1/2" Custom Shaped Ash.....	13.54	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0011	LF		3/4" x 10-1/2" Custom Shaped Ash.....	14.73	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.84	
06 46 36 00-0012	LF		3/4" x 11-1/2" Custom Shaped Ash.....	15.85	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.87	
06 46 36 00-0013	LF		1" x 1-1/2" Custom Shaped Ash.....	5.45	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0014	LF		1" x 2-1/2" Custom Shaped Ash.....	6.87	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0015	LF		1" x 3-1/2" Custom Shaped Ash.....	8.30	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0016 LF 1" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.72 0.69	0.91
06 46 36 00-0017 LF 1" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.26 0.73	0.99
06 46 36 00-0018 LF 1" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.77 0.77	0.99
06 46 36 00-0019 LF 1" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.19 0.78	0.99
06 46 36 00-0020 LF 1" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.63 0.81	1.06
06 46 36 00-0021 LF 1" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.04 0.82	1.06
06 46 36 00-0022 LF 1" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.57 0.86	1.14
06 46 36 00-0023 LF 1" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.03 0.89	1.14
06 46 36 00-0024 LF 1-1/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.40 0.65	0.84
06 46 36 00-0025 LF 1-1/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.29 0.67	0.84
06 46 36 00-0026 LF 1-1/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.17 0.69	0.91
06 46 36 00-0027 LF 1-1/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.05 0.71	0.91
06 46 36 00-0028 LF 1-1/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.02 0.75	0.99
06 46 36 00-0029 LF 1-1/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.99 0.78	0.99
06 46 36 00-0030 LF 1-1/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.85 0.80	1.06
06 46 36 00-0031 LF 1-1/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.75 0.82	1.06
06 46 36 00-0032 LF 1-1/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.60 0.83	1.06
06 46 36 00-0033 LF 1-1/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.58 0.88	1.14
06 46 36 00-0034 LF 1-1/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.50 0.91	1.21
06 46 36 00-0035 LF 1-1/2" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.78 0.66	0.84
06 46 36 00-0036 LF 1-1/2" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.30 0.68	0.91
06 46 36 00-0037 LF 1-1/2" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.83 0.70	0.91
06 46 36 00-0038 LF 1-1/2" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.36 0.72	0.99
06 46 36 00-0039 LF 1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.90 0.75	0.99
06 46 36 00-0040 LF 1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.58 0.80	1.06
06 46 36 00-0041 LF 1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.15 0.82	1.06
06 46 36 00-0042 LF 1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.65 0.84	1.06
06 46 36 00-0043 LF 1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.13 0.85	1.14
06 46 36 00-0044 LF 1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.02 0.90	1.14
06 46 36 00-0045 LF 1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.33 0.92	1.21
06 46 36 00-0046 Basswood <small>(06 46 36)</small>		
06 46 36 00-0047 LF 3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.00 0.61	0.84
06 46 36 00-0048 LF 3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.76 0.63	0.84
06 46 36 00-0049 LF 3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.52 0.65	0.84
06 46 36 00-0050 LF 3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.27 0.67	0.91
06 46 36 00-0051 LF 3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.11 0.71	0.91
06 46 36 00-0052 LF 3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.95 0.75	0.99
06 46 36 00-0053 LF 3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.70 0.77	0.99
06 46 36 00-0054 LF 3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.47 0.79	1.06
06 46 36 00-0055 LF 3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.19 0.80	1.06
06 46 36 00-0056 LF 3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.04 0.84	1.14

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0057	LF		3/4" x 11-1/2" Custom Shaped Basswood	11.83	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.87	
06 46 36 00-0058	LF		1" x 1-1/2" Custom Shaped Basswood	4.49	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0059	LF		1" x 2-1/2" Custom Shaped Basswood	5.43	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0060	LF		1" x 3-1/2" Custom Shaped Basswood	6.38	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0061	LF		1" x 4-1/2" Custom Shaped Basswood	7.33	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.69	
06 46 36 00-0062	LF		1" x 5-1/2" Custom Shaped Basswood	8.38	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.73	
06 46 36 00-0063	LF		1" x 6-1/2" Custom Shaped Basswood	9.41	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	
06 46 36 00-0064	LF		1" x 7-1/2" Custom Shaped Basswood	10.36	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
06 46 36 00-0065	LF		1" x 8-1/2" Custom Shaped Basswood	11.32	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.81	
06 46 36 00-0066	LF		1" x 9-1/2" Custom Shaped Basswood	12.25	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.82	
06 46 36 00-0067	LF		1" x 10-1/2" Custom Shaped Basswood	13.30	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.86	
06 46 36 00-0068	LF		1" x 11-1/2" Custom Shaped Basswood	14.28	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 46 36 00-0069	LF		1-1/2" x 1-1/2" Custom Shaped Basswood	5.88	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0070	LF		1-1/2" x 2-1/2" Custom Shaped Basswood	7.50	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0071	LF		1-1/2" x 3-1/2" Custom Shaped Basswood	9.11	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.69	
06 46 36 00-0072	LF		1-1/2" x 4-1/2" Custom Shaped Basswood	10.74	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.71	
06 46 36 00-0073	LF		1-1/2" x 5-1/2" Custom Shaped Basswood	12.44	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
06 46 36 00-0074	LF		1-1/2" x 6-1/2" Custom Shaped Basswood	14.14	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
06 46 36 00-0075	LF		1-1/2" x 7-1/2" Custom Shaped Basswood	15.74	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0076	LF		1-1/2" x 8-1/2" Custom Shaped Basswood	17.38	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.82	
06 46 36 00-0077	LF		1-1/2" x 9-1/2" Custom Shaped Basswood	18.96	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
06 46 36 00-0078	LF		1-1/2" x 10-1/2" Custom Shaped Basswood	20.68	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.88	
06 46 36 00-0079	LF		1-1/2" x 11-1/2" Custom Shaped Basswood	22.34	1.21
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
06 46 36 00-0080	LF		3-1/2" x 3-1/2" Custom Shaped Basswood	20.88	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
06 46 36 00-0081	LF		3-1/2" x 4-1/2" Custom Shaped Basswood	25.44	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
06 46 36 00-0082	LF		3-1/2" x 5-1/2" Custom Shaped Basswood	29.92	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0083	LF		3-1/2" x 6-1/2" Custom Shaped Basswood	34.55	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
06 46 36 00-0084	LF		3-1/2" x 7-1/2" Custom Shaped Basswood	39.04	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.87	
06 46 36 00-0085	LF		3-1/2" x 8-1/2" Custom Shaped Basswood	43.65	1.21
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.90	
06 46 36 00-0086	LF		3-1/2" x 9-1/2" Custom Shaped Basswood	48.08	1.21
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
06 46 36 00-0087	LF		3-1/2" x 10-1/2" Custom Shaped Basswood	52.57	1.21
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.94	
06 46 36 00-0088	LF		3-1/2" x 11-1/2" Custom Shaped Basswood	57.20	1.29
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.99	
06 46 36 00-0089			Birch <small>(06 46 36)</small>		
06 46 36 00-0090	LF		3/4" x 1-1/2" Custom Shaped Birch	4.24	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.61	
06 46 36 00-0091	LF		3/4" x 2-1/2" Custom Shaped Birch	5.12	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0092	LF		3/4" x 3-1/2" Custom Shaped Birch	6.00	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0093	LF		3/4" x 4-1/2" Custom Shaped Birch	6.87	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0094	LF		3/4" x 5-1/2" Custom Shaped Birch	7.83	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.71	
06 46 36 00-0095	LF		3/4" x 6-1/2" Custom Shaped Birch	8.79	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
06 46 36 00-0096	LF		3/4" x 7-1/2" Custom Shaped Birch	9.65	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	
06 46 36 00-0097	LF		3/4" x 8-1/2" Custom Shaped Birch	10.54	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0098 LF 3/4" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.38 0.80	1.06
06 46 36 00-0099 LF 3/4" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.36 0.84	1.06
06 46 36 00-0100 LF 3/4" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.27 0.87	1.14
06 46 36 00-0101 LF 1" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.85 0.63	0.84
06 46 36 00-0102 LF 1" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.96 0.65	0.84
06 46 36 00-0103 LF 1" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.10 0.67	0.91
06 46 36 00-0104 LF 1" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.24 0.69	0.91
06 46 36 00-0105 LF 1" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.46 0.73	0.99
06 46 36 00-0106 LF 1" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.66 0.77	0.99
06 46 36 00-0107 LF 1" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.79 0.78	0.99
06 46 36 00-0108 LF 1" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.95 0.81	1.06
06 46 36 00-0109 LF 1" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.04 0.82	1.06
06 46 36 00-0110 LF 1" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.26 0.86	1.14
06 46 36 00-0111 LF 1" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.44 0.89	1.14
06 46 36 00-0112 LF 1-1/4" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.54 0.65	0.84
06 46 36 00-0113 LF 1-1/4" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.00 0.67	0.84
06 46 36 00-0114 LF 1-1/4" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.44 0.69	0.91
06 46 36 00-0115 LF 1-1/4" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.90 0.71	0.91
06 46 36 00-0116 LF 1-1/4" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.43 0.75	0.99
06 46 36 00-0117 LF 1-1/4" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.97 0.78	0.99
06 46 36 00-0118 LF 1-1/4" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.40 0.80	1.06
06 46 36 00-0119 LF 1-1/4" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.87 0.82	1.06
06 46 36 00-0120 LF 1-1/4" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.28 0.83	1.06
06 46 36 00-0121 LF 1-1/4" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.84 0.88	1.14
06 46 36 00-0122 LF 1-1/4" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.32 0.91	1.21
06 46 36 00-0123 LF 1-1/2" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.63 0.66	0.84
06 46 36 00-0124 LF 1-1/2" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.58 0.68	0.91
06 46 36 00-0125 LF 1-1/2" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.53 0.70	0.91
06 46 36 00-0126 LF 1-1/2" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.48 0.72	0.99
06 46 36 00-0127 LF 1-1/2" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.45 0.75	0.99
06 46 36 00-0128 LF 1-1/2" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.56 0.80	1.06
06 46 36 00-0129 LF 1-1/2" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.51 0.82	1.06
06 46 36 00-0130 LF 1-1/2" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.48 0.84	1.06
06 46 36 00-0131 LF 1-1/2" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.38 0.85	1.14
06 46 36 00-0132 LF 1-1/2" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.69 0.90	1.14
06 46 36 00-0133 LF 1-1/2" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.43 0.92	1.21
06 46 36 00-0134 Clear Western Cedar <small>(06 46 36)</small>		
06 46 36 00-0135 LF 3/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.24 0.61	0.84
06 46 36 00-0136 LF 3/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.12 0.63	0.84
06 46 36 00-0137 LF 3/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.00 0.65	0.84
06 46 36 00-0138 LF 3/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.87 0.67	0.91

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0139	LF 3/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.83 0.71	0.91
06 46 36 00-0140	LF 3/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.79 0.75	0.99
06 46 36 00-0141	LF 1" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.90 0.63	0.84
06 46 36 00-0142	LF 1" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.05 0.65	0.84
06 46 36 00-0143	LF 1" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.22 0.67	0.91
06 46 36 00-0144	LF 1" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.38 0.69	0.91
06 46 36 00-0145	LF 1" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.63 0.73	0.99
06 46 36 00-0146	LF 1" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.88 0.77	0.99
06 46 36 00-0147	LF 1-1/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.16 0.65	0.84
06 46 36 00-0148	LF 1-1/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.93 0.67	0.84
06 46 36 00-0149	LF 1-1/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.69 0.69	0.91
06 46 36 00-0150	LF 1-1/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.45 0.71	0.91
06 46 36 00-0151	LF 1-1/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.30 0.75	0.99
06 46 36 00-0152	LF 1-1/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.15 0.78	0.99
06 46 36 00-0153	LF 1-1/2" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.34 0.66	0.84
06 46 36 00-0154	LF 1-1/2" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.14 0.68	0.91
06 46 36 00-0155	LF 1-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.96 0.70	0.91
06 46 36 00-0156	LF 1-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.76 0.72	0.99
06 46 36 00-0157	LF 1-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.59 0.75	0.99
06 46 36 00-0158	LF 1-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.55 0.80	1.06
06 46 36 00-0159	LF 3-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.58 0.75	0.99
06 46 36 00-0160	LF 3-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.56 0.78	0.99
06 46 36 00-0161	LF 3-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.48 0.80	1.06
06 46 36 00-0162	LF 3-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.53 0.85	1.14
06 46 36 00-0163	LF 3-1/2" x 7-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.44 0.87	1.14
06 46 36 00-0164	LF 3-1/2" x 8-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.42 0.90	1.21
06 46 36 00-0165	LF 3-1/2" x 9-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.34 0.92	1.21
06 46 36 00-0166	LF 3-1/2" x 10-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.25 0.94	1.21
06 46 36 00-0167	LF 3-1/2" x 11-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.30 0.99	1.29

06 46 36 00-0168 Cherry (06 46 36)

06 46 36 00-0169	LF 3/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.01 0.61	0.84
06 46 36 00-0170	LF 3/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.27 0.63	0.84
06 46 36 00-0171	LF 3/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.53 0.65	0.84
06 46 36 00-0172	LF 3/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.79 0.67	0.91
06 46 36 00-0173	LF 3/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.13 0.71	0.91
06 46 36 00-0174	LF 3/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.48 0.75	0.99
06 46 36 00-0175	LF 3/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.72 0.77	0.99
06 46 36 00-0176	LF 3/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.99 0.79	0.99
06 46 36 00-0177	LF 3/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.22 0.80	1.06
06 46 36 00-0178	LF 3/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.57 0.84	1.06
06 46 36 00-0179	LF 3/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.86 0.87	1.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0180 LF 1" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.85 0.63	0.84
06 46 36 00-0181 LF 1" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.49 0.65	0.84
06 46 36 00-0182 LF 1" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.14 0.67	0.91
06 46 36 00-0183 LF 1" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.77 0.69	0.91
06 46 36 00-0184 LF 1" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.50 0.73	0.99
06 46 36 00-0185 LF 1" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.23 0.77	0.99
06 46 36 00-0186 LF 1" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.87 0.78	0.99
06 46 36 00-0187 LF 1" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.55 0.81	1.06
06 46 36 00-0188 LF 1" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.12 0.82	1.06
06 46 36 00-0189 LF 1" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.87 0.86	1.14
06 46 36 00-0190 LF 1" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.54 0.89	1.14
06 46 36 00-0191 LF 1-1/4" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.76 0.65	0.84
06 46 36 00-0192 LF 1-1/4" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.84 0.67	0.84
06 46 36 00-0193 LF 1-1/4" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.88 0.69	0.91
06 46 36 00-0194 LF 1-1/4" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.96 0.71	0.91
06 46 36 00-0195 LF 1-1/4" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.10 0.75	0.99
06 46 36 00-0196 LF 1-1/4" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.26 0.78	0.99
06 46 36 00-0197 LF 1-1/4" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.29 0.80	1.06
06 46 36 00-0198 LF 1-1/4" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.38 0.82	1.06
06 46 36 00-0199 LF 1-1/4" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.39 0.83	1.06
06 46 36 00-0200 LF 1-1/4" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.57 0.88	1.14
06 46 36 00-0201 LF 1-1/4" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.65 0.91	1.21
06 46 36 00-0202 LF 1-1/2" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.45 0.66	0.84
06 46 36 00-0203 LF 1-1/2" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.31 0.68	0.91
06 46 36 00-0204 LF 1-1/2" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.17 0.70	0.91
06 46 36 00-0205 LF 1-1/2" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.03 0.72	0.99
06 46 36 00-0206 LF 1-1/2" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.91 0.75	0.99
06 46 36 00-0207 LF 1-1/2" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.93 0.80	1.06
06 46 36 00-0208 LF 1-1/2" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.79 0.82	1.06
06 46 36 00-0209 LF 1-1/2" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.67 0.84	1.06
06 46 36 00-0210 LF 1-1/2" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.49 0.85	1.14
06 46 36 00-0211 LF 1-1/2" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.51 0.90	1.14
06 46 36 00-0212 LF 1-1/2" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.35 0.92	1.21
06 46 36 00-0213 Cypress <small>(06 46 36)</small>		
06 46 36 00-0214 LF 3/4" x 1-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.00 0.61	0.84
06 46 36 00-0215 LF 3/4" x 2-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.76 0.63	0.84
06 46 36 00-0216 LF 3/4" x 3-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.52 0.65	0.84
06 46 36 00-0217 LF 3/4" x 4-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.27 0.67	0.91
06 46 36 00-0218 LF 3/4" x 5-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.11 0.71	0.91
06 46 36 00-0219 LF 3/4" x 6-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.95 0.75	0.99
06 46 36 00-0220 LF 3/4" x 7-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.89 0.77	0.99

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0221	LF		3/4" x 8-1/2" Custom Shaped Cypress.....	9.68	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
06 46 36 00-0222	LF		3/4" x 9-1/2" Custom Shaped Cypress.....	11.15	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0223	LF		3/4" x 10-1/2" Custom Shaped Cypress.....	12.09	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.84	
06 46 36 00-0224	LF		1" x 1-1/2" Custom Shaped Cypress.....	5.09	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0225	LF		1" x 2-1/2" Custom Shaped Cypress.....	6.32	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0226	LF		1" x 3-1/2" Custom Shaped Cypress.....	7.58	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0227	LF		1" x 4-1/2" Custom Shaped Cypress.....	8.83	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.69	
06 46 36 00-0228	LF		1" x 5-1/2" Custom Shaped Cypress.....	10.18	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.73	
06 46 36 00-0229	LF		1" x 6-1/2" Custom Shaped Cypress.....	11.50	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	
06 46 36 00-0230	LF		1" x 7-1/2" Custom Shaped Cypress.....	12.75	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
06 46 36 00-0231	LF		1" x 8-1/2" Custom Shaped Cypress.....	14.03	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.81	
06 46 36 00-0232	LF		1" x 9-1/2" Custom Shaped Cypress.....	15.24	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.82	
06 46 36 00-0233	LF		1" x 10-1/2" Custom Shaped Cypress.....	16.63	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.86	
06 46 36 00-0234	LF		1" x 11-1/2" Custom Shaped Cypress.....	17.87	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 46 36 00-0235	LF		1-1/2" x 1-1/2" Custom Shaped Cypress.....	5.86	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.66	
06 46 36 00-0236	LF		1-1/2" x 2-1/2" Custom Shaped Cypress.....	7.43	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.68	
06 46 36 00-0237	LF		1-1/2" x 3-1/2" Custom Shaped Cypress.....	9.00	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.70	
06 46 36 00-0238	LF		1-1/2" x 4-1/2" Custom Shaped Cypress.....	10.57	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.72	
06 46 36 00-0239	LF		1-1/2" x 5-1/2" Custom Shaped Cypress.....	12.15	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
06 46 36 00-0240	LF		1-1/2" x 6-1/2" Custom Shaped Cypress.....	13.88	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0241	LF		1-1/2" x 7-1/2" Custom Shaped Cypress.....	15.44	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.82	
06 46 36 00-0242	LF		1-1/2" x 8-1/2" Custom Shaped Cypress.....	17.03	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.84	
06 46 36 00-0243	LF		1-1/2" x 9-1/2" Custom Shaped Cypress.....	19.99	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
06 46 36 00-0244	LF		1-1/2" x 10-1/2" Custom Shaped Cypress.....	21.77	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.90	
06 46 36 00-0245			Fir <small>(06 46 36)</small>		
06 46 36 00-0246	LF		3/4" x 1-1/2" Custom Shaped Fir.....	4.38	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.61	
06 46 36 00-0247	LF		3/4" x 2-1/2" Custom Shaped Fir.....	5.34	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0248	LF		3/4" x 3-1/2" Custom Shaped Fir.....	6.29	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0249	LF		3/4" x 4-1/2" Custom Shaped Fir.....	7.23	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0250	LF		3/4" x 5-1/2" Custom Shaped Fir.....	8.26	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.71	
06 46 36 00-0251	LF		3/4" x 6-1/2" Custom Shaped Fir.....	9.30	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
06 46 36 00-0252	LF		3/4" x 7-1/2" Custom Shaped Fir.....	10.23	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	
06 46 36 00-0253	LF		3/4" x 8-1/2" Custom Shaped Fir.....	11.19	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
06 46 36 00-0254	LF		3/4" x 9-1/2" Custom Shaped Fir.....	12.10	1.06
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0255	LF		3/4" x 10-1/2" Custom Shaped Fir.....	13.15	1.14
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.84	
06 46 36 00-0256	LF		1" x 1-1/2" Custom Shaped Fir.....	5.09	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0257	LF		1" x 2-1/2" Custom Shaped Fir.....	6.32	0.84
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0258	LF		1" x 3-1/2" Custom Shaped Fir.....	7.58	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0259	LF		1" x 4-1/2" Custom Shaped Fir.....	8.83	0.91
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.69	
06 46 36 00-0260	LF		1" x 5-1/2" Custom Shaped Fir.....	10.18	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.73	
06 46 36 00-0261	LF		1" x 6-1/2" Custom Shaped Fir.....	11.50	0.99
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0262 LF 1" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.75 0.78	0.99
06 46 36 00-0263 LF 1" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.03 0.81	1.06
06 46 36 00-0264 LF 1" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.24 0.82	1.06
06 46 36 00-0265 LF 1" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.63 0.86	1.14
06 46 36 00-0266 LF 1" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.87 0.89	1.14
06 46 36 00-0267 LF 1-1/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.61 0.65	0.84
06 46 36 00-0268 LF 1-1/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.12 0.67	0.84
06 46 36 00-0269 LF 1-1/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.59 0.69	0.91
06 46 36 00-0270 LF 1-1/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.09 0.71	0.91
06 46 36 00-0271 LF 1-1/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.65 0.75	0.99
06 46 36 00-0272 LF 1-1/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.23 0.78	0.99
06 46 36 00-0273 LF 1-1/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.69 0.80	1.06
06 46 36 00-0274 LF 1-1/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.20 0.82	1.06
06 46 36 00-0275 LF 1-1/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.64 0.83	1.06
06 46 36 00-0276 LF 1-1/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.25 0.88	1.14
06 46 36 00-0277 LF 1-1/4" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.76 0.91	1.21
06 46 36 00-0278 LF 1-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.34 0.66	0.84
06 46 36 00-0279 LF 1-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.14 0.68	0.91
06 46 36 00-0280 LF 1-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.96 0.70	0.91
06 46 36 00-0281 LF 1-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.76 0.72	0.99
06 46 36 00-0282 LF 1-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.59 0.75	0.99
06 46 36 00-0283 LF 1-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.55 0.80	1.06
06 46 36 00-0284 LF 1-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.36 0.82	1.06
06 46 36 00-0285 LF 1-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.18 0.84	1.14
06 46 36 00-0286 LF 1-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.95 0.85	1.14
06 46 36 00-0287 LF 1-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.87 0.90	1.21
06 46 36 00-0288 LF 1-1/2" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.71 0.92	1.21
06 46 36 00-0289 LF 2-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.92 0.69	0.91
06 46 36 00-0290 LF 2-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.45 0.71	0.91
06 46 36 00-0291 LF 2-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.98 0.73	0.99
06 46 36 00-0292 LF 2-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.57 0.76	0.99
06 46 36 00-0293 LF 2-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.10 0.78	0.99
06 46 36 00-0294 LF 2-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.77 0.83	1.06
06 46 36 00-0295 LF 2-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.29 0.85	1.14
06 46 36 00-0296 LF 2-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.95 0.89	1.14
06 46 36 00-0297 LF 2-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.42 0.90	1.21
06 46 36 00-0298 LF 2-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.95 0.92	1.21
06 46 36 00-0299 LF 3-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.93 0.75	0.99
06 46 36 00-0300 LF 3-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.44 0.78	0.99
06 46 36 00-0301 LF 3-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.92 0.80	1.06
06 46 36 00-0302 LF 3-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.55 0.85	1.14
06 46 36 00-0303 LF 3-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.04 0.87	1.14

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0304	LF		3-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.60 0.90	1.21
06 46 36 00-0305	LF		3-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.08 0.92	1.21
06 46 36 00-0306	LF		3-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.57 0.94	1.21
06 46 36 00-0307			Honduran Mahogany <small>(06 46 36)</small>		
06 46 36 00-0308	LF		3/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.29 0.61	0.84
06 46 36 00-0309	LF		3/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.70 0.63	0.84
06 46 36 00-0310	LF		3/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.11 0.65	0.84
06 46 36 00-0311	LF		3/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.51 0.67	0.91
06 46 36 00-0312	LF		3/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.99 0.71	0.91
06 46 36 00-0313	LF		3/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.48 0.75	0.99
06 46 36 00-0314	LF		3/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.87 0.77	0.99
06 46 36 00-0315	LF		3/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.29 0.79	1.06
06 46 36 00-0316	LF		3/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.65 0.80	1.06
06 46 36 00-0317	LF		3/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.15 0.84	1.14
06 46 36 00-0318	LF		3/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.59 0.87	1.14
06 46 36 00-0319	LF		1" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.29 0.63	0.84
06 46 36 00-0320	LF		1" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.11 0.65	0.84
06 46 36 00-0321	LF		1" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.98 0.67	0.91
06 46 36 00-0322	LF		1" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.83 0.69	0.91
06 46 36 00-0323	LF		1" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.77 0.73	0.99
06 46 36 00-0324	LF		1" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.69 0.77	0.99
06 46 36 00-0325	LF		1" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.54 0.78	1.06
06 46 36 00-0326	LF		1" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.42 0.81	1.06
06 46 36 00-0327	LF		1" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.23 0.82	1.06
06 46 36 00-0328	LF		1" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.17 0.86	1.14
06 46 36 00-0329	LF		1" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.30 0.89	1.14
06 46 36 00-0330	LF		1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.05 0.65	0.84
06 46 36 00-0331	LF		1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.27 0.67	0.84
06 46 36 00-0332	LF		1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.46 0.69	0.91
06 46 36 00-0333	LF		1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.68 0.71	0.91
06 46 36 00-0334	LF		1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.96 0.75	0.99
06 46 36 00-0335	LF		1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.26 0.78	1.06
06 46 36 00-0336	LF		1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.44 0.80	1.06
06 46 36 00-0337	LF		1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.67 0.82	1.06
06 46 36 00-0338	LF		1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.35 0.83	1.06
06 46 36 00-0339	LF		1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.15 0.88	1.14
06 46 36 00-0340	LF		1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.38 0.91	1.21
06 46 36 00-0341	LF		1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.54 0.66	0.84
06 46 36 00-0342	LF		1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.45 0.68	0.91
06 46 36 00-0343	LF		1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.37 0.70	0.91
06 46 36 00-0344	LF		1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.27 0.72	0.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0345 LF 1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.20 0.75	0.99
06 46 36 00-0346 LF 1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.27 0.80	1.06
06 46 36 00-0347 LF 1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.17 0.82	1.06
06 46 36 00-0348 LF 1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.10 0.84	1.14
06 46 36 00-0349 LF 1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.97 0.85	1.14
06 46 36 00-0350 LF 1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.99 0.90	1.14
06 46 36 00-0351 LF 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.98 0.92	1.21
06 46 36 00-0352 LF 2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.02 0.68	0.91
06 46 36 00-0353 LF 2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.64 0.70	0.91
06 46 36 00-0354 LF 2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.23 0.71	0.91
06 46 36 00-0355 LF 2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.93 0.75	0.99
06 46 36 00-0356 LF 2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.53 0.77	0.99
06 46 36 00-0357 LF 2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.29 0.82	1.06
06 46 36 00-0358 LF 2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.90 0.83	1.06
06 46 36 00-0359 LF 2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.58 0.87	1.14
06 46 36 00-0360 LF 2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.19 0.89	1.14
06 46 36 00-0361 LF 2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.82 0.91	1.21
06 46 36 00-0362 LF 2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.56 0.96	1.29
06 46 36 00-0363 LF 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.12 0.69	0.91
06 46 36 00-0364 LF 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.03 0.71	0.91
06 46 36 00-0365 LF 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.43 0.73	0.99
06 46 36 00-0366 LF 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.88 0.76	0.99
06 46 36 00-0367 LF 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.27 0.78	0.99
06 46 36 00-0368 LF 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.80 0.83	1.06
06 46 36 00-0369 LF 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.19 0.85	1.14
06 46 36 00-0370 LF 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.66 0.89	1.14
06 46 36 00-0371 LF 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.05 0.90	1.21
06 46 36 00-0372 LF 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.44 0.92	1.21
06 46 36 00-0373 LF 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.98 0.98	1.29
06 46 36 00-0374 LF 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.40 0.75	0.99
06 46 36 00-0375 LF 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.58 0.78	0.99
06 46 36 00-0376 LF 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.70 0.80	1.06
06 46 36 00-0377 LF 3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.95 0.85	1.14
06 46 36 00-0378 LF 3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.07 0.87	1.14
06 46 36 00-0379 LF 3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.26 0.90	1.21
06 46 36 00-0380 LF 3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	64.37 0.92	1.21
06 46 36 00-0381 LF 3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	70.49 0.94	1.21
06 46 36 00-0382 LF 3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	76.75 0.99	1.29
06 46 36 00-0383 Maple <small>(06 46 36)</small>		
06 46 36 00-0384 LF 3/4" x 1-1/2" Custom Shaped Maple	4.19	0.84
06 46 36 00-0385 LF 3/4" x 2-1/2" Custom Shaped Maple	5.05	0.84
06 46 36 00-0386 LF 3/4" x 3-1/2" Custom Shaped Maple	5.91	0.84
06 46 36 00-0387 LF 3/4" x 4-1/2" Custom Shaped Maple	6.75	0.91
06 46 36 00-0388 LF 3/4" x 5-1/2" Custom Shaped Maple	7.69	0.91

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	8.63	0.99
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	9.46	0.99
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	10.33	0.99
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	11.15	1.06
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	12.09	1.14
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	12.98	1.14
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	4.85	0.84
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	5.96	0.84
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	7.10	0.91
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	8.24	0.91
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	9.46	0.99
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	10.66	0.99
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	11.79	0.99
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	12.95	1.06
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	14.04	1.06
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	14.78	1.14
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	16.44	1.14
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	5.40	0.84
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	6.78	0.84
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	8.15	0.91
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	9.54	0.91
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	11.00	0.99
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	12.46	0.99
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	13.83	1.06
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	15.22	1.06
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	16.56	1.06
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	18.05	1.14
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	19.46	1.21
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	6.53	0.84
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	8.43	0.91
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	10.34	0.91
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	12.24	0.99
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	14.16	0.99
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	16.22	1.06
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	18.12	1.06
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	20.28	1.14
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	21.90	1.14
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	23.97	1.21
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	25.86	1.21
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	8.34	0.91
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	11.13	0.91
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	13.88	0.91
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	16.74	0.99
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	19.50	0.99
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	22.43	1.06
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	25.19	1.06
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	28.03	1.14
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	30.81	1.14
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	33.59	1.21
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	36.74	1.29
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	29.31	0.99
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	35.98	0.99
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	42.57	1.06
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	49.31	1.14
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	55.90	1.14
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	62.57	1.21
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	69.16	1.21
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	75.76	1.21
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	82.49	1.29

06 46 36 00-0448 Appl Soft Maple (06 46 36)

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	4.24	0.84
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	5.12	0.84
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	6.00	0.84
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	6.87	0.91
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	7.83	0.91
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	8.79	0.99
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	9.65	0.99
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	10.54	0.99
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	11.38	1.06
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	12.36	1.14
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	13.27	1.14
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	4.73	0.84
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	5.79	0.84
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	6.86	0.91
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	7.90	0.91
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	9.10	0.99
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	10.25	0.99
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	11.31	0.99
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	12.40	1.06



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0468	LF			1" x 9-1/2" Custom Shaped Appl Soft Maple	13.44	1.06
06 46 36 00-0469	LF			1" x 10-1/2" Custom Shaped Appl Soft Maple	14.61	1.14
06 46 36 00-0470	LF			1" x 11-1/2" Custom Shaped Appl Soft Maple	15.72	1.14
06 46 36 00-0471	LF			1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	5.18	0.84
06 46 36 00-0472	LF			1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	6.47	0.84
06 46 36 00-0473	LF			1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	7.72	0.91
06 46 36 00-0474	LF			1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	9.01	0.91
06 46 36 00-0475	LF			1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	10.35	0.99
06 46 36 00-0476	LF			1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	11.72	0.99
06 46 36 00-0477	LF			1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	12.97	1.06
06 46 36 00-0478	LF			1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	14.26	1.06
06 46 36 00-0479	LF			1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	15.49	1.06
06 46 36 00-0480	LF			1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	16.87	1.14
06 46 36 00-0481	LF			1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	18.17	1.21
06 46 36 00-0482	LF			1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	6.05	0.84
06 46 36 00-0483	LF			1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	7.71	0.91
06 46 36 00-0484	LF			1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	9.38	0.91
06 46 36 00-0485	LF			1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	11.04	0.99
06 46 36 00-0486	LF			1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	12.73	0.99
06 46 36 00-0487	LF			1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	14.55	1.06
06 46 36 00-0488	LF			1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	16.21	1.06
06 46 36 00-0489	LF			1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	17.89	1.14
06 46 36 00-0490	LF			1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	19.51	1.14
06 46 36 00-0491	LF			1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	21.29	1.21
06 46 36 00-0492	LF			1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	22.98	1.21
06 46 36 00-0493				Red Oak <small>(06 46 36)</small>		
06 46 36 00-0494	LF			3/4" x 1-1/2" Custom Shaped Red Oak.....	4.48	0.84
06 46 36 00-0495	LF			3/4" x 2-1/2" Custom Shaped Red Oak.....	5.48	0.84
06 46 36 00-0496	LF			3/4" x 3-1/2" Custom Shaped Red Oak.....	6.48	0.84
06 46 36 00-0497	LF			3/4" x 4-1/2" Custom Shaped Red Oak.....	7.47	0.91
06 46 36 00-0498	LF			3/4" x 5-1/2" Custom Shaped Red Oak.....	8.55	0.91
06 46 36 00-0499	LF			3/4" x 6-1/2" Custom Shaped Red Oak.....	9.63	0.99
06 46 36 00-0500	LF			3/4" x 7-1/2" Custom Shaped Red Oak.....	10.61	0.99
06 46 36 00-0501	LF			3/4" x 8-1/2" Custom Shaped Red Oak.....	11.62	0.99
06 46 36 00-0502	LF			3/4" x 9-1/2" Custom Shaped Red Oak.....	12.58	1.06
06 46 36 00-0503	LF			3/4" x 10-1/2" Custom Shaped Red Oak.....	13.67	1.14
06 46 36 00-0504	LF			3/4" x 11-1/2" Custom Shaped Red Oak.....	14.70	1.14
06 46 36 00-0505	LF			1" x 1-1/2" Custom Shaped Red Oak	5.26	0.84
06 46 36 00-0506	LF			1" x 2-1/2" Custom Shaped Red Oak	6.60	0.84
06 46 36 00-0507	LF			1" x 3-1/2" Custom Shaped Red Oak	7.94	0.91
06 46 36 00-0508	LF			1" x 4-1/2" Custom Shaped Red Oak	9.77	0.91
06 46 36 00-0509	LF			1" x 5-1/2" Custom Shaped Red Oak	10.71	0.99
06 46 36 00-0510	LF			1" x 6-1/2" Custom Shaped Red Oak	12.14	0.99
06 46 36 00-0511	LF			1" x 7-1/2" Custom Shaped Red Oak	13.47	0.99
06 46 36 00-0512	LF			1" x 8-1/2" Custom Shaped Red Oak	14.82	1.06
06 46 36 00-0513	LF			1" x 9-1/2" Custom Shaped Red Oak	16.13	1.06
06 46 36 00-0514	LF			1" x 10-1/2" Custom Shaped Red Oak	17.59	1.14
06 46 36 00-0515	LF			1" x 11-1/2" Custom Shaped Red Oak	18.95	1.14
06 46 36 00-0516	LF			1-1/4" x 1-1/2" Custom Shaped Red Oak	6.33	0.84
06 46 36 00-0517	LF			1-1/4" x 2-1/2" Custom Shaped Red Oak	8.19	0.84
06 46 36 00-0518	LF			1-1/4" x 3-1/2" Custom Shaped Red Oak	10.02	0.91
06 46 36 00-0519	LF			1-1/4" x 4-1/2" Custom Shaped Red Oak	11.88	0.91
06 46 36 00-0520	LF			1-1/4" x 5-1/2" Custom Shaped Red Oak	13.80	0.99
06 46 36 00-0521	LF			1-1/4" x 6-1/2" Custom Shaped Red Oak	15.75	0.99
06 46 36 00-0522	LF			1-1/4" x 7-1/2" Custom Shaped Red Oak	17.56	1.06
06 46 36 00-0523	LF			1-1/4" x 8-1/2" Custom Shaped Red Oak	19.44	1.06
06 46 36 00-0524	LF			1-1/4" x 9-1/2" Custom Shaped Red Oak	21.24	1.06
06 46 36 00-0525	LF			1-1/4" x 10-1/2" Custom Shaped Red Oak	23.20	1.14
06 46 36 00-0526	LF			1-1/4" x 11-1/2" Custom Shaped Red Oak	25.07	1.21
06 46 36 00-0527	LF			1-1/2" x 1-1/2" Custom Shaped Red Oak	8.54	0.84
06 46 36 00-0528	LF			1-1/2" x 2-1/2" Custom Shaped Red Oak	11.45	0.91
06 46 36 00-0529	LF			1-1/2" x 3-1/2" Custom Shaped Red Oak	14.37	0.91
06 46 36 00-0530	LF			1-1/2" x 4-1/2" Custom Shaped Red Oak	17.27	0.91
06 46 36 00-0531	LF			1-1/2" x 5-1/2" Custom Shaped Red Oak	20.20	0.99
06 46 36 00-0532	LF			1-1/2" x 6-1/2" Custom Shaped Red Oak	23.31	1.06
06 46 36 00-0533	LF			1-1/2" x 7-1/2" Custom Shaped Red Oak	26.17	1.06
06 46 36 00-0534	LF			1-1/2" x 8-1/2" Custom Shaped Red Oak	29.58	1.14
06 46 36 00-0535	LF			1-1/2" x 9-1/2" Custom Shaped Red Oak	31.97	1.14
06 46 36 00-0536	LF			1-1/2" x 10-1/2" Custom Shaped Red Oak	34.99	1.14
06 46 36 00-0537	LF			1-1/2" x 11-1/2" Custom Shaped Red Oak	37.93	1.21
06 46 36 00-0538	LF			2" x 1-1/2" Custom Shaped Red Oak	12.65	0.91
06 46 36 00-0539	LF			2" x 2-1/2" Custom Shaped Red Oak	17.59	0.91
06 46 36 00-0540	LF			2" x 3-1/2" Custom Shaped Red Oak	22.50	0.91
06 46 36 00-0541	LF			2" x 4-1/2" Custom Shaped Red Oak	27.51	0.99
06 46 36 00-0542	LF			2" x 5-1/2" Custom Shaped Red Oak	32.43	0.99
06 46 36 00-0543	LF			2" x 6-1/2" Custom Shaped Red Oak	37.52	1.06
06 46 36 00-0544	LF			2" x 7-1/2" Custom Shaped Red Oak	42.43	1.06
06 46 36 00-0545	LF			2" x 8-1/2" Custom Shaped Red Oak	47.44	1.14
06 46 36 00-0546	LF			2" x 9-1/2" Custom Shaped Red Oak	52.37	1.14

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0547 LF 2" x 10-1/2" Custom Shaped Red Oak.....	57.31	1.21
06 46 36 00-0548 LF 2" x 11-1/2" Custom Shaped Red Oak.....	62.37	1.29
06 46 36 00-0549 White Oak (06 46 36)		
06 46 36 00-0550 LF 3/4" x 1-1/2" Custom Shaped White Oak.....	4.53	0.84
06 46 36 00-0551 LF 3/4" x 2-1/2" Custom Shaped White Oak.....	5.55	0.84
06 46 36 00-0552 LF 3/4" x 3-1/2" Custom Shaped White Oak.....	6.58	0.84
06 46 36 00-0553 LF 3/4" x 4-1/2" Custom Shaped White Oak.....	7.59	0.91
06 46 36 00-0554 LF 3/4" x 5-1/2" Custom Shaped White Oak.....	8.70	0.91
06 46 36 00-0555 LF 3/4" x 6-1/2" Custom Shaped White Oak.....	9.80	0.99
06 46 36 00-0556 LF 3/4" x 7-1/2" Custom Shaped White Oak.....	10.80	0.99
06 46 36 00-0557 LF 3/4" x 8-1/2" Custom Shaped White Oak.....	11.84	0.99
06 46 36 00-0558 LF 3/4" x 9-1/2" Custom Shaped White Oak.....	12.82	1.06
06 46 36 00-0559 LF 3/4" x 10-1/2" Custom Shaped White Oak.....	13.94	1.14
06 46 36 00-0560 LF 3/4" x 11-1/2" Custom Shaped White Oak.....	14.99	1.14
06 46 36 00-0561 LF 1" x 1-1/2" Custom Shaped White Oak.....	5.26	0.84
06 46 36 00-0562 LF 1" x 2-1/2" Custom Shaped White Oak.....	6.60	0.84
06 46 36 00-0563 LF 1" x 3-1/2" Custom Shaped White Oak.....	7.94	0.91
06 46 36 00-0564 LF 1" x 4-1/2" Custom Shaped White Oak.....	9.77	0.91
06 46 36 00-0565 LF 1" x 5-1/2" Custom Shaped White Oak.....	10.71	0.99
06 46 36 00-0566 LF 1" x 6-1/2" Custom Shaped White Oak.....	12.14	0.99
06 46 36 00-0567 LF 1" x 7-1/2" Custom Shaped White Oak.....	13.47	0.99
06 46 36 00-0568 LF 1" x 8-1/2" Custom Shaped White Oak.....	14.82	1.06
06 46 36 00-0569 LF 1" x 9-1/2" Custom Shaped White Oak.....	16.13	1.06
06 46 36 00-0570 LF 1" x 10-1/2" Custom Shaped White Oak.....	17.59	1.14
06 46 36 00-0571 LF 1" x 11-1/2" Custom Shaped White Oak.....	18.95	1.14
06 46 36 00-0572 LF 1-1/4" x 1-1/2" Custom Shaped White Oak.....	6.40	0.84
06 46 36 00-0573 LF 1-1/4" x 2-1/2" Custom Shaped White Oak.....	8.29	0.84
06 46 36 00-0574 LF 1-1/4" x 3-1/2" Custom Shaped White Oak.....	10.17	0.91
06 46 36 00-0575 LF 1-1/4" x 4-1/2" Custom Shaped White Oak.....	12.05	0.91
06 46 36 00-0576 LF 1-1/4" x 5-1/2" Custom Shaped White Oak.....	14.02	0.99
06 46 36 00-0577 LF 1-1/4" x 6-1/2" Custom Shaped White Oak.....	15.99	0.99
06 46 36 00-0578 LF 1-1/4" x 7-1/2" Custom Shaped White Oak.....	17.85	1.06
06 46 36 00-0579 LF 1-1/4" x 8-1/2" Custom Shaped White Oak.....	19.75	1.06
06 46 36 00-0580 LF 1-1/4" x 9-1/2" Custom Shaped White Oak.....	21.60	1.06
06 46 36 00-0581 LF 1-1/4" x 10-1/2" Custom Shaped White Oak.....	23.58	1.14
06 46 36 00-0582 LF 1-1/4" x 11-1/2" Custom Shaped White Oak.....	25.50	1.21
06 46 36 00-0583 LF 1-1/2" x 1-1/2" Custom Shaped White Oak.....	9.98	0.84
06 46 36 00-0584 LF 1-1/2" x 2-1/2" Custom Shaped White Oak.....	13.61	0.91
06 46 36 00-0585 LF 1-1/2" x 3-1/2" Custom Shaped White Oak.....	17.24	0.91
06 46 36 00-0586 LF 1-1/2" x 4-1/2" Custom Shaped White Oak.....	20.87	0.99
06 46 36 00-0587 LF 1-1/2" x 5-1/2" Custom Shaped White Oak.....	24.51	0.99
06 46 36 00-0588 LF 1-1/2" x 6-1/2" Custom Shaped White Oak.....	28.30	1.06
06 46 36 00-0589 LF 1-1/2" x 7-1/2" Custom Shaped White Oak.....	31.92	1.06
06 46 36 00-0590 LF 1-1/2" x 8-1/2" Custom Shaped White Oak.....	35.57	1.14
06 46 36 00-0591 LF 1-1/2" x 9-1/2" Custom Shaped White Oak.....	38.67	1.14
06 46 36 00-0592 LF 1-1/2" x 10-1/2" Custom Shaped White Oak.....	42.90	1.21
06 46 36 00-0593 LF 1-1/2" x 11-1/2" Custom Shaped White Oak.....	46.55	1.21
06 46 36 00-0594 White Pine (06 46 36)		
06 46 36 00-0595 LF 3/4" x 1-1/2" Custom Shaped White Pine.....	4.96	0.84
06 46 36 00-0596 LF 3/4" x 2-1/2" Custom Shaped White Pine.....	6.20	0.84
06 46 36 00-0597 LF 3/4" x 3-1/2" Custom Shaped White Pine.....	7.44	0.84
06 46 36 00-0598 LF 3/4" x 4-1/2" Custom Shaped White Pine.....	8.67	0.91
06 46 36 00-0599 LF 3/4" x 5-1/2" Custom Shaped White Pine.....	9.99	0.91
06 46 36 00-0600 LF 3/4" x 6-1/2" Custom Shaped White Pine.....	11.31	0.99
06 46 36 00-0601 LF 3/4" x 7-1/2" Custom Shaped White Pine.....	12.53	0.99
06 46 36 00-0602 LF 3/4" x 8-1/2" Custom Shaped White Pine.....	13.78	0.99
06 46 36 00-0603 LF 3/4" x 9-1/2" Custom Shaped White Pine.....	15.70	1.06
06 46 36 00-0604 LF 3/4" x 10-1/2" Custom Shaped White Pine.....	17.10	1.14
06 46 36 00-0605 LF 1" x 1-1/2" Custom Shaped White Pine.....	5.49	0.84
06 46 36 00-0606 LF 1" x 2-1/2" Custom Shaped White Pine.....	6.96	0.84
06 46 36 00-0607 LF 1" x 3-1/2" Custom Shaped White Pine.....	8.42	0.91
06 46 36 00-0608 LF 1" x 4-1/2" Custom Shaped White Pine.....	9.89	0.91
06 46 36 00-0609 LF 1" x 5-1/2" Custom Shaped White Pine.....	11.42	0.99
06 46 36 00-0610 LF 1" x 6-1/2" Custom Shaped White Pine.....	12.98	0.99
06 46 36 00-0611 LF 1" x 7-1/2" Custom Shaped White Pine.....	14.43	0.99
06 46 36 00-0612 LF 1" x 8-1/2" Custom Shaped White Pine.....	15.92	1.06
06 46 36 00-0613 LF 1" x 9-1/2" Custom Shaped White Pine.....	17.32	1.06
06 46 36 00-0614 LF 1" x 10-1/2" Custom Shaped White Pine.....	18.90	1.14
06 46 36 00-0615 LF 1" x 11-1/2" Custom Shaped White Pine.....	20.39	1.14
06 46 36 00-0616 LF 1-1/4" x 1-1/2" Custom Shaped White Pine.....	6.12	0.84
06 46 36 00-0617 LF 1-1/4" x 2-1/2" Custom Shaped White Pine.....	7.86	0.84
06 46 36 00-0618 LF 1-1/4" x 3-1/2" Custom Shaped White Pine.....	9.64	0.91
06 46 36 00-0619 LF 1-1/4" x 4-1/2" Custom Shaped White Pine.....	11.33	0.91
06 46 36 00-0620 LF 1-1/4" x 5-1/2" Custom Shaped White Pine.....	13.16	0.99
06 46 36 00-0621 LF 1-1/4" x 6-1/2" Custom Shaped White Pine.....	14.98	0.99
06 46 36 00-0622 LF 1-1/4" x 7-1/2" Custom Shaped White Pine.....	16.70	1.06
06 46 36 00-0623 LF 1-1/4" x 8-1/2" Custom Shaped White Pine.....	18.46	1.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0624 LF 1-1/4" x 9-1/2" Custom Shaped White Pine	20.16	1.06
06 46 36 00-0625 LF 1-1/4" x 10-1/2" Custom Shaped White Pine	22.00	1.14
06 46 36 00-0626 LF 1-1/4" x 11-1/2" Custom Shaped White Pine	23.77	1.21
06 46 36 00-0627 LF 1-1/2" x 1-1/2" Custom Shaped White Pine	7.49	0.84
06 46 36 00-0628 LF 1-1/2" x 2-1/2" Custom Shaped White Pine	9.87	0.91
06 46 36 00-0629 LF 1-1/2" x 3-1/2" Custom Shaped White Pine	12.26	0.91
06 46 36 00-0630 LF 1-1/2" x 4-1/2" Custom Shaped White Pine	14.64	0.99
06 46 36 00-0631 LF 1-1/2" x 5-1/2" Custom Shaped White Pine	17.04	0.99
06 46 36 00-0632 LF 1-1/2" x 6-1/2" Custom Shaped White Pine	19.58	1.06
06 46 36 00-0633 LF 1-1/2" x 7-1/2" Custom Shaped White Pine	21.96	1.06
06 46 36 00-0634 LF 1-1/2" x 8-1/2" Custom Shaped White Pine	24.36	1.14
06 46 36 00-0635 LF 1-1/2" x 9-1/2" Custom Shaped White Pine	27.17	1.14
06 46 36 00-0636 LF 1-1/2" x 10-1/2" Custom Shaped White Pine	29.20	1.21
06 46 36 00-0637 LF 1-1/2" x 11-1/2" Custom Shaped White Pine	31.60	1.21
06 46 36 00-0638 LF 2" x 1-1/2" Custom Shaped White Pine	11.09	0.91
06 46 36 00-0639 LF 2" x 2-1/2" Custom Shaped White Pine	15.25	0.91
06 46 36 00-0640 LF 2" x 3-1/2" Custom Shaped White Pine	19.39	0.91
06 46 36 00-0641 LF 2" x 4-1/2" Custom Shaped White Pine	23.61	0.99
06 46 36 00-0642 LF 2" x 5-1/2" Custom Shaped White Pine	27.76	0.99
06 46 36 00-0643 LF 2" x 6-1/2" Custom Shaped White Pine	32.05	1.06
06 46 36 00-0644 LF 2" x 7-1/2" Custom Shaped White Pine	36.21	1.06
06 46 36 00-0645 LF 2" x 8-1/2" Custom Shaped White Pine	40.42	1.14
06 46 36 00-0646 LF 2" x 9-1/2" Custom Shaped White Pine	44.58	1.14
06 46 36 00-0647 LF 2" x 10-1/2" Custom Shaped White Pine	48.73	1.21
06 46 36 00-0648 LF 2" x 11-1/2" Custom Shaped White Pine	53.03	1.29
06 46 36 00-0649 LF 2-1/2" x 1-1/2" Custom Shaped White Pine	13.08	0.91
06 46 36 00-0650 LF 2-1/2" x 2-1/2" Custom Shaped White Pine	18.19	0.91
06 46 36 00-0651 LF 2-1/2" x 3-1/2" Custom Shaped White Pine	23.30	0.99
06 46 36 00-0652 LF 2-1/2" x 4-1/2" Custom Shaped White Pine	28.47	0.99
06 46 36 00-0653 LF 2-1/2" x 5-1/2" Custom Shaped White Pine	33.58	0.99
06 46 36 00-0654 LF 2-1/2" x 6-1/2" Custom Shaped White Pine	38.83	1.06
06 46 36 00-0655 LF 2-1/2" x 7-1/2" Custom Shaped White Pine	43.94	1.14
06 46 36 00-0656 LF 2-1/2" x 8-1/2" Custom Shaped White Pine	49.13	1.14
06 46 36 00-0657 LF 2-1/2" x 9-1/2" Custom Shaped White Pine	54.23	1.21
06 46 36 00-0658 LF 2-1/2" x 10-1/2" Custom Shaped White Pine	59.34	1.21
06 46 36 00-0659 LF 2-1/2" x 11-1/2" Custom Shaped White Pine	64.60	1.29
06 46 36 00-0660 LF 3-1/2" x 3-1/2" Custom Shaped White Pine	31.99	0.99
06 46 36 00-0661 LF 3-1/2" x 4-1/2" Custom Shaped White Pine	39.33	0.99
06 46 36 00-0662 LF 3-1/2" x 5-1/2" Custom Shaped White Pine	46.60	1.06
06 46 36 00-0663 LF 3-1/2" x 6-1/2" Custom Shaped White Pine	54.00	1.14
06 46 36 00-0664 LF 3-1/2" x 7-1/2" Custom Shaped White Pine	61.27	1.14
06 46 36 00-0665 LF 3-1/2" x 8-1/2" Custom Shaped White Pine	68.60	1.21
06 46 36 00-0666 LF 3-1/2" x 9-1/2" Custom Shaped White Pine	75.87	1.21
06 46 36 00-0667 LF 3-1/2" x 10-1/2" Custom Shaped White Pine	83.14	1.21
06 46 36 00-0668 LF 3-1/2" x 11-1/2" Custom Shaped White Pine	90.54	1.29
06 46 36 00-0669	Clear Yellow Pine (06 46 36)	
06 46 36 00-0670 LF 3/4" x 1-1/2" Custom Shaped "C" Y Pine	3.62	0.84
06 46 36 00-0671 LF 3/4" x 2-1/2" Custom Shaped "C" Y Pine	4.19	0.84
06 46 36 00-0672 LF 3/4" x 3-1/2" Custom Shaped "C" Y Pine	4.76	0.84
06 46 36 00-0673 LF 3/4" x 4-1/2" Custom Shaped "C" Y Pine	5.32	0.91
06 46 36 00-0674 LF 3/4" x 5-1/2" Custom Shaped "C" Y Pine	5.96	0.91
06 46 36 00-0675 LF 3/4" x 6-1/2" Custom Shaped "C" Y Pine	6.61	0.99
06 46 36 00-0676 LF 3/4" x 7-1/2" Custom Shaped "C" Y Pine	7.16	0.99
06 46 36 00-0677 LF 3/4" x 8-1/2" Custom Shaped "C" Y Pine	7.74	0.99
06 46 36 00-0678 LF 1" x 1-1/2" Custom Shaped "C" Y Pine	4.06	0.84
06 46 36 00-0679 LF 1" x 2-1/2" Custom Shaped "C" Y Pine	4.81	0.84
06 46 36 00-0680 LF 1" x 3-1/2" Custom Shaped "C" Y Pine	5.54	0.91
06 46 36 00-0681 LF 1" x 4-1/2" Custom Shaped "C" Y Pine	6.30	0.91
06 46 36 00-0682 LF 1" x 5-1/2" Custom Shaped "C" Y Pine	7.11	0.99
06 46 36 00-0683 LF 1" x 6-1/2" Custom Shaped "C" Y Pine	7.95	0.99
06 46 36 00-0684 LF 1" x 7-1/2" Custom Shaped "C" Y Pine	8.92	0.99
06 46 36 00-0685 LF 1" x 8-1/2" Custom Shaped "C" Y Pine	9.71	1.06
06 46 36 00-0686 LF 1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	4.61	0.84
06 46 36 00-0687 LF 1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	5.56	0.91
06 46 36 00-0688 LF 1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	6.51	0.91
06 46 36 00-0689 LF 1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	7.45	0.99
06 46 36 00-0690 LF 1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	8.41	0.99
06 46 36 00-0691 LF 1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	9.52	1.06
06 46 36 00-0692 LF 1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	10.46	1.06
06 46 36 00-0693 LF 1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	11.42	1.14
06 46 36 00-0694 LF 1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	13.04	1.14
06 46 36 00-0695 LF 1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	13.48	1.21
06 46 36 00-0696	Poplar (06 46 36)	
06 46 36 00-0697 LF 3/4" x 1-1/2" Custom Shaped Poplar	3.76	0.84
06 46 36 00-0698 LF 3/4" x 2-1/2" Custom Shaped Poplar	4.40	0.84
06 46 36 00-0699 LF 3/4" x 3-1/2" Custom Shaped Poplar	5.04	0.84
06 46 36 00-0700 LF 3/4" x 4-1/2" Custom Shaped Poplar	5.67	0.91

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	6.40	0.91
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	7.12	0.99
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	7.74	0.99
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	8.39	0.99
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	8.99	1.06
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	9.72	1.14
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	10.44	1.14
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	4.25	0.84
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	5.07	0.84
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	5.90	0.91
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	6.73	0.91
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	7.66	0.99
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	8.58	0.99
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	9.40	0.99
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	10.24	1.06
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	11.05	1.06
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	11.98	1.14
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	12.84	1.14
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	4.68	0.84
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	5.70	0.84
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	6.72	0.91
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	7.74	0.91
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	8.85	0.99
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	9.95	0.99
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	10.95	1.06
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	11.99	1.06
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	12.97	1.06
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	14.10	1.14
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	15.15	1.21
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	5.67	0.84
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	7.14	0.91
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	8.62	0.91
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	10.09	0.99
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	11.58	0.99
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	13.21	1.06
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	14.67	1.06
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	16.16	1.14
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	17.59	1.14
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	19.18	1.21
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	20.68	1.21
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	7.14	0.91
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	9.33	0.91
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	11.48	0.91
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	13.74	0.99
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	15.91	0.99
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	18.23	1.06
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	20.40	1.06
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	22.65	1.14
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	24.82	1.14
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	27.01	1.21
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	29.31	1.29
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	8.63	0.91
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	11.51	0.91
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	14.39	0.99
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	17.33	0.99
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	20.22	0.99
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	23.24	1.06
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	26.12	1.14
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	29.08	1.14
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	31.96	1.21
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	34.84	1.21
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	37.87	1.29
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	19.35	0.99
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	23.52	0.99
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	27.63	1.06
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	31.92	1.14
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	35.97	1.14
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	40.15	1.21
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	44.25	1.21
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	48.36	1.21
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	52.60	1.29

06 46 36 00-0772 Clear Heart Redwood (06 46 36)

06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	4.43	0.84
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	5.41	0.84
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	6.39	0.84
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	7.35	0.91
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	8.41	0.91
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	9.46	0.99
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	11.38	0.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0780 LF 3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	12.48	0.99
06 46 36 00-0781 LF 3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	12.56	1.06
06 46 36 00-0782 LF 3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	13.41	1.14
06 46 36 00-0783 LF 1" x 1-1/2" Custom Shaped Clear Heart Redwood	5.21	0.84
06 46 36 00-0784 LF 1" x 2-1/2" Custom Shaped Clear Heart Redwood	6.51	0.84
06 46 36 00-0785 LF 1" x 3-1/2" Custom Shaped Clear Heart Redwood	7.82	0.91
06 46 36 00-0786 LF 1" x 4-1/2" Custom Shaped Clear Heart Redwood	9.12	0.91
06 46 36 00-0787 LF 1" x 5-1/2" Custom Shaped Clear Heart Redwood	10.54	0.99
06 46 36 00-0788 LF 1" x 6-1/2" Custom Shaped Clear Heart Redwood	11.93	0.99
06 46 36 00-0789 LF 1" x 7-1/2" Custom Shaped Clear Heart Redwood	14.91	0.99
06 46 36 00-0790 LF 1" x 8-1/2" Custom Shaped Clear Heart Redwood	16.44	1.06
06 46 36 00-0791 LF 1" x 9-1/2" Custom Shaped Clear Heart Redwood	17.92	1.06
06 46 36 00-0792 LF 1" x 10-1/2" Custom Shaped Clear Heart Redwood	19.55	1.14
06 46 36 00-0793 LF 1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	6.63	0.84
06 46 36 00-0794 LF 1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	8.58	0.91
06 46 36 00-0795 LF 1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	10.53	0.91
06 46 36 00-0796 LF 1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	12.48	0.99
06 46 36 00-0797 LF 1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	14.45	0.99
06 46 36 00-0798 LF 1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	16.61	1.06
06 46 36 00-0799 LF 1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	21.96	1.06
06 46 36 00-0800 LF 1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	24.36	1.14
06 46 36 00-0801 LF 1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	28.61	1.14
06 46 36 00-0802 LF 1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	31.30	1.21
06 46 36 00-0803 LF 3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	30.08	0.99
06 46 36 00-0804 LF 3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	36.94	0.99
06 46 36 00-0805 LF 3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	43.72	1.06
06 46 36 00-0806 LF 3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	50.65	1.14
06 46 36 00-0807 LF 3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	57.44	1.14
06 46 36 00-0808 LF 3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	64.29	1.21
06 46 36 00-0809 LF 3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	71.08	1.21
06 46 36 00-0810 LF 3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	77.87	1.21
06 46 36 00-0811 LF 3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	84.79	1.29
06 46 36 00-0812 Teak <small>(06 46 36)</small>		
06 46 36 00-0813 LF 3/4" x 1-1/2" Custom Shaped Teak	10.85	0.84
06 46 36 00-0814 LF 3/4" x 2-1/2" Custom Shaped Teak	15.04	0.84
06 46 36 00-0815 LF 3/4" x 3-1/2" Custom Shaped Teak	19.22	0.84
06 46 36 00-0816 LF 3/4" x 4-1/2" Custom Shaped Teak	23.40	0.91
06 46 36 00-0817 LF 3/4" x 5-1/2" Custom Shaped Teak	27.67	0.91
06 46 36 00-0818 LF 3/4" x 6-1/2" Custom Shaped Teak	31.93	0.99
06 46 36 00-0819 LF 3/4" x 7-1/2" Custom Shaped Teak	36.10	0.99
06 46 36 00-0820 LF 3/4" x 8-1/2" Custom Shaped Teak	40.29	0.99
06 46 36 00-0821 LF 3/4" x 9-1/2" Custom Shaped Teak	44.44	1.06
06 46 36 00-0822 LF 3/4" x 10-1/2" Custom Shaped Teak	48.72	1.14
06 46 36 00-0823 LF 3/4" x 11-1/2" Custom Shaped Teak	52.93	1.14
06 46 36 00-0824 LF 1-1/2" x 1-1/2" Custom Shaped Teak	24.07	0.84
06 46 36 00-0825 LF 1-1/2" x 2-1/2" Custom Shaped Teak	27.55	0.91
06 46 36 00-0826 LF 1-1/2" x 3-1/2" Custom Shaped Teak	35.83	0.91
06 46 36 00-0827 LF 1-1/2" x 4-1/2" Custom Shaped Teak	44.10	0.99
06 46 36 00-0828 LF 1-1/2" x 5-1/2" Custom Shaped Teak	52.39	0.99
06 46 36 00-0829 LF 1-1/2" x 6-1/2" Custom Shaped Teak	60.59	1.06
06 46 36 00-0830 LF 1-1/2" x 7-1/2" Custom Shaped Teak	69.10	1.06
06 46 36 00-0831 LF 1-1/2" x 8-1/2" Custom Shaped Teak	77.39	1.14
06 46 36 00-0832 LF 1-1/2" x 9-1/2" Custom Shaped Teak	85.62	1.14
06 46 36 00-0833 LF 1-1/2" x 10-1/2" Custom Shaped Teak	94.01	1.21
06 46 36 00-0834 LF 1-1/2" x 11-1/2" Custom Shaped Teak	102.32	1.21
06 46 36 00-0835 Walnut <small>(06 46 36)</small>		
06 46 36 00-0836 LF 3/4" x 1-1/2" Custom Shaped Walnut	6.30	0.84
06 46 36 00-0837 LF 3/4" x 2-1/2" Custom Shaped Walnut	8.21	0.84
06 46 36 00-0838 LF 3/4" x 3-1/2" Custom Shaped Walnut	10.12	0.84
06 46 36 00-0839 LF 3/4" x 4-1/2" Custom Shaped Walnut	12.02	0.91
06 46 36 00-0840 LF 3/4" x 5-1/2" Custom Shaped Walnut	14.01	0.91
06 46 36 00-0841 LF 3/4" x 6-1/2" Custom Shaped Walnut	16.00	0.99
06 46 36 00-0842 LF 3/4" x 7-1/2" Custom Shaped Walnut	17.89	0.99
06 46 36 00-0843 LF 3/4" x 8-1/2" Custom Shaped Walnut	19.81	0.99
06 46 36 00-0844 LF 3/4" x 9-1/2" Custom Shaped Walnut	21.68	1.06
06 46 36 00-0845 LF 3/4" x 10-1/2" Custom Shaped Walnut	23.69	1.14
06 46 36 00-0846 LF 3/4" x 11-1/2" Custom Shaped Walnut	25.63	1.14
06 46 36 00-0847 LF 1" x 1-1/2" Custom Shaped Walnut	7.41	0.84
06 46 36 00-0848 LF 1" x 2-1/2" Custom Shaped Walnut	9.84	0.84
06 46 36 00-0849 LF 1" x 3-1/2" Custom Shaped Walnut	12.25	0.91
06 46 36 00-0850 LF 1" x 4-1/2" Custom Shaped Walnut	14.68	0.91
06 46 36 00-0851 LF 1" x 5-1/2" Custom Shaped Walnut	17.17	0.99
06 46 36 00-0852 LF 1" x 6-1/2" Custom Shaped Walnut	19.69	0.99
06 46 36 00-0853 LF 1" x 7-1/2" Custom Shaped Walnut	22.09	0.99
06 46 36 00-0854 LF 1" x 8-1/2" Custom Shaped Walnut	24.54	1.06
06 46 36 00-0855 LF 1" x 9-1/2" Custom Shaped Walnut	26.90	1.06
06 46 36 00-0856 LF 1" x 10-1/2" Custom Shaped Walnut	29.44	1.14

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0857	LF		1" x 11-1/2" Custom Shaped Walnut.....	31.89	1.14
06 46 36 00-0858	LF		1-1/4" x 1-1/2" Custom Shaped Walnut.....	8.92	0.84
06 46 36 00-0859	LF		1-1/4" x 2-1/2" Custom Shaped Walnut.....	12.07	0.84
06 46 36 00-0860	LF		1-1/4" x 3-1/2" Custom Shaped Walnut.....	15.20	0.91
06 46 36 00-0861	LF		1-1/4" x 4-1/2" Custom Shaped Walnut.....	18.35	0.91
06 46 36 00-0862	LF		1-1/4" x 5-1/2" Custom Shaped Walnut.....	21.56	0.99
06 46 36 00-0863	LF		1-1/4" x 6-1/2" Custom Shaped Walnut.....	24.80	0.99
06 46 36 00-0864	LF		1-1/4" x 7-1/2" Custom Shaped Walnut.....	27.91	1.06
06 46 36 00-0865	LF		1-1/4" x 8-1/2" Custom Shaped Walnut.....	31.08	1.06
06 46 36 00-0866	LF		1-1/4" x 9-1/2" Custom Shaped Walnut.....	34.17	1.06
06 46 36 00-0867	LF		1-1/4" x 10-1/2" Custom Shaped Walnut.....	37.43	1.14
06 46 36 00-0868	LF		1-1/4" x 11-1/2" Custom Shaped Walnut.....	40.59	1.21
06 46 36 00-0869	LF		1-1/2" x 1-1/2" Custom Shaped Walnut.....	11.80	0.84
06 46 36 00-0870	LF		1-1/2" x 2-1/2" Custom Shaped Walnut.....	16.34	0.91
06 46 36 00-0871	LF		1-1/2" x 3-1/2" Custom Shaped Walnut.....	20.88	0.91
06 46 36 00-0872	LF		1-1/2" x 4-1/2" Custom Shaped Walnut.....	25.42	0.99
06 46 36 00-0873	LF		1-1/2" x 5-1/2" Custom Shaped Walnut.....	29.97	0.99
06 46 36 00-0874	LF		1-1/2" x 6-1/2" Custom Shaped Walnut.....	34.67	1.06
06 46 36 00-0875	LF		1-1/2" x 7-1/2" Custom Shaped Walnut.....	39.20	1.06
06 46 36 00-0876	LF		1-1/2" x 8-1/2" Custom Shaped Walnut.....	43.76	1.14
06 46 36 00-0877	LF		1-1/2" x 9-1/2" Custom Shaped Walnut.....	48.73	1.14
06 46 36 00-0878	LF		1-1/2" x 10-1/2" Custom Shaped Walnut.....	52.91	1.21
06 46 36 00-0879	LF		1-1/2" x 11-1/2" Custom Shaped Walnut.....	57.47	1.21
06 46 36 00-0880	LF		2" x 1-1/2" Custom Shaped Walnut.....	19.24	0.91
06 46 36 00-0881	LF		2" x 2-1/2" Custom Shaped Walnut.....	27.46	0.91
06 46 36 00-0882	LF		2" x 3-1/2" Custom Shaped Walnut.....	35.68	0.91
06 46 36 00-0883	LF		2" x 4-1/2" Custom Shaped Walnut.....	43.97	0.99
06 46 36 00-0884	LF		2" x 5-1/2" Custom Shaped Walnut.....	52.20	0.99
06 46 36 00-0885	LF		2" x 6-1/2" Custom Shaped Walnut.....	60.56	1.06
06 46 36 00-0886	LF		2" x 7-1/2" Custom Shaped Walnut.....	68.78	1.06
06 46 36 00-0887	LF		2" x 8-1/2" Custom Shaped Walnut.....	77.07	1.14
06 46 36 00-0888	LF		2" x 9-1/2" Custom Shaped Walnut.....	85.30	1.14
06 46 36 00-0889	LF		2" x 10-1/2" Custom Shaped Walnut.....	93.53	1.21
06 46 36 00-0890	LF		2" x 11-1/2" Custom Shaped Walnut.....	101.89	1.29
06 46 36 00-0891	LF		2-1/2" x 1-1/2" Custom Shaped Walnut.....	23.86	0.91
06 46 36 00-0892	LF		2-1/2" x 2-1/2" Custom Shaped Walnut.....	34.36	0.91
06 46 36 00-0893	LF		2-1/2" x 3-1/2" Custom Shaped Walnut.....	44.86	0.99
06 46 36 00-0894	LF		2-1/2" x 4-1/2" Custom Shaped Walnut.....	55.42	0.99
06 46 36 00-0895	LF		2-1/2" x 5-1/2" Custom Shaped Walnut.....	65.92	0.99
06 46 36 00-0896	LF		2-1/2" x 6-1/2" Custom Shaped Walnut.....	76.56	1.06
06 46 36 00-0897	LF		2-1/2" x 7-1/2" Custom Shaped Walnut.....	87.06	1.14
06 46 36 00-0898	LF		2-1/2" x 8-1/2" Custom Shaped Walnut.....	97.64	1.14
06 46 36 00-0899	LF		2-1/2" x 9-1/2" Custom Shaped Walnut.....	108.13	1.21
06 46 36 00-0900	LF		2-1/2" x 10-1/2" Custom Shaped Walnut.....	118.63	1.21
06 46 36 00-0901	LF		2-1/2" x 11-1/2" Custom Shaped Walnut.....	129.28	1.29

06 48 Wood Frames (06 40)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)**06 48 13 00-0001 Exterior Door Frames (06 48 13)**

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA		3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	254.29	42.95
			<i>For Birch, Add</i>	58.96	
			<i>For Mahogany, Add</i>	143.19	
06 48 13 00-0003	EA		3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	267.61	45.01
			<i>For Birch, Add</i>	62.30	
			<i>For Mahogany, Add</i>	151.29	
06 48 13 00-0004	EA		4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	280.95	46.76
			<i>For Birch, Add</i>	65.63	
			<i>For Mahogany, Add</i>	159.38	
06 48 13 00-0005	EA		5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	306.69	50.04
			<i>For Birch, Add</i>	72.29	
			<i>For Mahogany, Add</i>	175.56	
06 48 13 00-0006	EA		6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	332.87	53.63
			<i>For Birch, Add</i>	78.96	
			<i>For Mahogany, Add</i>	191.75	
06 48 13 00-0007	EA		3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	395.62	43.10
06 48 13 00-0008	EA		3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	402.00	45.01
06 48 13 00-0009	EA		4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	408.35	46.91
06 48 13 00-0010	EA		5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	419.60	49.97
06 48 13 00-0011	EA		6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim.....	432.44	53.78
06 48 13 00-0012	EA		3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	302.95	43.10
06 48 13 00-0013	EA		3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	317.69	45.01
06 48 13 00-0014	EA		4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	332.51	46.91
06 48 13 00-0015	EA		5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	360.47	49.97
06 48 13 00-0016	EA		6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim.....	389.96	53.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 48 16 Interior Wood Door Frames (06 48)

06 48 16 00-0001 Interior Door Frames (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	128.06		20.45
	For Oak Or Maple, Add	27.03		
	For Birch, Add	30.52		
	For Mahogany, Add	74.11		
	For Walnut Frame, Add	39.24		
06 48 16 00-0003	EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	128.99		20.52
	For Oak Or Maple, Add	27.26		
	For Birch, Add	30.77		
	For Mahogany, Add	74.73		
	For Walnut Frame, Add	39.56		
06 48 16 00-0004	EA 2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	130.44		20.91
	For Oak Or Maple, Add	27.46		
	For Birch, Add	31.00		
	For Mahogany, Add	75.29		
	For Walnut Frame, Add	39.86		
06 48 16 00-0005	EA 3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	132.37		21.43
	For Oak Or Maple, Add	27.73		
	For Birch, Add	31.31		
	For Mahogany, Add	76.04		
	For Walnut Frame, Add	40.26		
06 48 16 00-0006	EA 3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	135.37		21.97
	For Oak Or Maple, Add	28.32		
	For Birch, Add	31.97		
	For Mahogany, Add	77.65		
	For Walnut Frame, Add	41.11		
06 48 16 00-0007	EA 4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	142.91		23.34
	For Oak Or Maple, Add	29.82		
	For Birch, Add	33.66		
	For Mahogany, Add	81.75		
	For Walnut Frame, Add	43.28		
06 48 16 00-0008	EA 5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	151.57		25.26
	For Oak Or Maple, Add	31.32		
	For Birch, Add	35.36		
	For Mahogany, Add	85.88		
	For Walnut Frame, Add	45.46		
06 48 16 00-0009	EA 6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	159.50		26.85
	For Oak Or Maple, Add	32.82		
	For Birch, Add	37.05		
	For Mahogany, Add	89.98		
	For Walnut Frame, Add	47.64		
06 48 16 00-0010	LF 4-9/16", Pine Interior Door Frame	5.26		1.83
	For Oak Or Maple, Add	0.50		
	For Birch, Add	0.56		
	For Mahogany, Add	1.36		
	For Walnut Frame, Add	0.72		

06 50 Structural Plastics (06)

06 51 Structural Plastic Shapes And Plates (06 50)

06 51 13 Plastic Lumber (06 51)

Note: Available in gray, redwood, black. Plastic lumber can be cut with saw for desired length or shape, drilled, screwed, nailed or stapled.

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002	LF 2" x 6", Beam Or Girder, Recycled Plastic Lumber	8.58		1.23
	For Reinforced Structural Plastic Lumber, Add	2.52		
	Note: High density polyethylene combined with fiberglass.			
	For Brown Color, Add	0.61		
	For White Color, Add	2.90		
	For All Other Colors (Except Black, Brown Or White), Add	2.46		
06 51 13 00-0003	LF 2" x 8", Beam Or Girder, Recycled Plastic Lumber	10.61		1.33
	For Reinforced Structural Plastic Lumber, Add	3.22		
	Note: High density polyethylene combined with fiberglass.			
	For Brown Color, Add	0.78		
	For White Color, Add	3.70		
	For All Other Colors (Except Black, Brown Or White), Add	3.13		
06 51 13 00-0004	LF 2" x 10", Beam Or Girder, Recycled Plastic Lumber	12.88		1.44
	For Reinforced Structural Plastic Lumber, Add	4.01		
	Note: High density polyethylene combined with fiberglass.			
	For Brown Color, Add	0.97		
	For White Color, Add	4.60		
	For All Other Colors (Except Black, Brown Or White), Add	3.90		
06 51 13 00-0005	LF 3" x 10", Beam Or Girder, Recycled Plastic Lumber	20.42		1.71
	For Reinforced Structural Plastic Lumber, Add	6.65		
	Note: High density polyethylene combined with fiberglass.			
	For Brown Color, Add	1.62		
	For White Color, Add	7.64		
	For All Other Colors (Except Black, Brown Or White), Add	6.47		

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber	22.96	1.92
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.48	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.82	
			<i>For White Color, Add</i>	8.59	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.28	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber	11.74	1.66
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.47	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.84	
			<i>For White Color, Add</i>	3.98	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.37	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber	16.51	1.76
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.18	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.26	
			<i>For White Color, Add</i>	5.95	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.04	
06 51 13 00-0009	LF		5" x 5", Beam Or Girder, Recycled Plastic Lumber	17.42	1.82
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.48	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.33	
			<i>For White Color, Add</i>	6.30	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.34	
06 51 13 00-0010	LF		6" x 6", Beam Or Girder, Recycled Plastic Lumber	23.48	1.97
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.64	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.86	
			<i>For White Color, Add</i>	8.78	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.43	
06 51 13 00-0011	LF		6" x 8", Beam Or Girder, Recycled Plastic Lumber	31.58	2.08
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.58	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.57	
			<i>For White Color, Add</i>	12.16	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.30	
06 51 13 00-0012			Joists, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0013	LF		2" x 4", Joist, Recycled Plastic Lumber	5.66	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.72	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.42	
			<i>For White Color, Add</i>	1.98	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.68	
06 51 13 00-0014	LF		2" x 6", Joist, Recycled Plastic Lumber	7.82	0.72
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.52	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.61	
			<i>For White Color, Add</i>	2.90	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.46	
06 51 13 00-0015	LF		2" x 8", Joist, Recycled Plastic Lumber	9.84	0.80
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.22	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.78	
			<i>For White Color, Add</i>	3.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.13	
06 51 13 00-0016	LF		2" x 10", Joist, Recycled Plastic Lumber	12.20	0.97
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.01	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.97	
			<i>For White Color, Add</i>	4.60	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.90	
06 51 13 00-0017	LF		3" x 10", Joist, Recycled Plastic Lumber	19.59	1.12
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.65	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.62	
			<i>For White Color, Add</i>	7.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.47	
06 51 13 00-0018	LF		3" x 12", Joist, Recycled Plastic Lumber	22.27	1.44
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.48	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.82	
			<i>For White Color, Add</i>	8.59	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.28	
06 51 13 00-0019	LF		4" x 4", Joist, Recycled Plastic Lumber	10.82	1.02
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.47	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.84	
			<i>For White Color, Add</i>	3.98	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber.....	15.51	1.07
For Reinforced Structural Plastic Lumber, Add	5.18	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.26	
For White Color, Add	5.95	
For All Other Colors (Except Black, Brown Or White), Add	5.04	
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber.....	16.50	1.18
For Reinforced Structural Plastic Lumber, Add	5.48	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.33	
For White Color, Add	6.30	
For All Other Colors (Except Black, Brown Or White), Add	5.34	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber.....	22.55	1.33
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.43	
06 51 13 00-0023 LF 6" x 8", Joist, Recycled Plastic Lumber.....	30.66	1.44
For Reinforced Structural Plastic Lumber, Add	10.58	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.57	
For White Color, Add	12.16	
For All Other Colors (Except Black, Brown Or White), Add	10.30	
06 51 13 00-0024 Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025 LF 4" x 4", Column, Recycled Plastic Lumber.....	12.50	2.19
For Reinforced Structural Plastic Lumber, Add	3.47	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.84	
For White Color, Add	3.98	
For All Other Colors (Except Black, Brown Or White), Add	3.37	
06 51 13 00-0026 LF 4" x 6", Column, Recycled Plastic Lumber.....	18.41	3.10
For Reinforced Structural Plastic Lumber, Add	5.18	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.26	
For White Color, Add	5.95	
For All Other Colors (Except Black, Brown Or White), Add	5.04	
06 51 13 00-0027 LF 5" x 5", Column, Recycled Plastic Lumber.....	19.78	3.48
For Reinforced Structural Plastic Lumber, Add	5.48	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.33	
For White Color, Add	6.30	
For All Other Colors (Except Black, Brown Or White), Add	5.34	
06 51 13 00-0028 LF 6" x 6", Column, Recycled Plastic Lumber.....	26.29	3.95
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.43	
06 51 13 00-0029 LF 6" x 8", Column, Recycled Plastic Lumber.....	35.54	4.86
For Reinforced Structural Plastic Lumber, Add	10.58	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.57	
For White Color, Add	12.16	
For All Other Colors (Except Black, Brown Or White), Add	10.30	
06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0031 LF 2" x 3", Walls, Recycled Plastic Lumber.....	5.08	0.69
For Reinforced Structural Plastic Lumber, Add	1.51	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.37	
For White Color, Add	1.73	
For All Other Colors (Except Black, Brown Or White), Add	1.47	
06 51 13 00-0032 LF 2" x 4", Walls, Recycled Plastic Lumber.....	5.81	0.80
For Reinforced Structural Plastic Lumber, Add	1.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.42	
For White Color, Add	1.98	
For All Other Colors (Except Black, Brown Or White), Add	1.68	
06 51 13 00-0033 LF 2" x 6", Walls, Recycled Plastic Lumber.....	8.04	0.85
For Reinforced Structural Plastic Lumber, Add	2.52	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.61	
For White Color, Add	2.90	
For All Other Colors (Except Black, Brown Or White), Add	2.46	
06 51 13 00-0034 LF 2" x 8", Walls, Recycled Plastic Lumber.....	9.99	0.90
For Reinforced Structural Plastic Lumber, Add	3.22	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.78	
For White Color, Add	3.70	
For All Other Colors (Except Black, Brown Or White), Add	3.13	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0035			Other Shapes, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0036	LF		5/4" x 4", Other Shapes, Recycled Plastic Lumber	4.84	0.61
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.44	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.35	
			<i>For White Color, Add</i>	1.66	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.40	
06 51 13 00-0037	LF		5/4" x 6", Other Shapes, Recycled Plastic Lumber	6.46	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.02	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.49	
			<i>For White Color, Add</i>	2.32	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.97	
06 51 13 00-0038	LF		5/4" x 8", Other Shapes, Recycled Plastic Lumber	7.34	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.35	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.57	
			<i>For White Color, Add</i>	2.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.29	
06 51 13 00-0039	LF		1" x 4", Other Shapes, Recycled Plastic Lumber	3.00	0.61
			<i>For Reinforced Structural Plastic Lumber, Add</i>	0.76	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.19	
			<i>For White Color, Add</i>	0.88	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	0.74	
06 51 13 00-0040	LF		1" x 6", Other Shapes, Recycled Plastic Lumber	4.17	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.18	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.29	
			<i>For White Color, Add</i>	1.35	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.14	
06 51 13 00-0041	LF		1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	4.17	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.18	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.29	
			<i>For White Color, Add</i>	1.35	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.14	
06 51 13 00-0042	LF		2" x 2", Other Shapes, Recycled Plastic Lumber	3.35	0.59
			<i>For Reinforced Structural Plastic Lumber, Add</i>	0.93	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.23	
			<i>For White Color, Add</i>	1.07	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	0.90	
06 51 13 00-0043	LF		2" x 3", Other Shapes, Recycled Plastic Lumber	5.08	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.51	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.37	
			<i>For White Color, Add</i>	1.73	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.47	
06 51 13 00-0044	LF		2" x 4", Other Shapes, Recycled Plastic Lumber	5.81	0.80
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.72	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.42	
			<i>For White Color, Add</i>	1.98	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.68	
06 51 13 00-0045	LF		2" x 6", Other Shapes, Recycled Plastic Lumber	8.04	0.85
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.52	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.61	
			<i>For White Color, Add</i>	2.90	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.46	
06 51 13 00-0046	LF		2" x 8", Other Shapes, Recycled Plastic Lumber	9.99	0.90
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.22	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.78	
			<i>For White Color, Add</i>	3.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.13	
06 51 13 00-0047	LF		2" x 10", Other Shapes, Recycled Plastic Lumber	12.20	0.97
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.01	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.97	
			<i>For White Color, Add</i>	4.60	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.90	
06 51 13 00-0048	LF		2" x 12", Other Shapes, Recycled Plastic Lumber	16.33	1.02
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.51	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.34	
			<i>For White Color, Add</i>	6.33	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.36	
06 51 13 00-0049	LF		3" x 4", Other Shapes, Recycled Plastic Lumber	8.46	0.94
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.63	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.64	
			<i>For White Color, Add</i>	3.03	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber	11.84	1.00
For Reinforced Structural Plastic Lumber, Add	3.86	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.94	
For White Color, Add	4.43	
For All Other Colors (Except Black, Brown Or White), Add	3.75	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber	16.12	1.07
For Reinforced Structural Plastic Lumber, Add	5.41	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.31	
For White Color, Add	6.21	
For All Other Colors (Except Black, Brown Or White), Add	5.26	
06 51 13 00-0052 LF 3" x 10", Other Shapes, Recycled Plastic Lumber	19.59	1.12
For Reinforced Structural Plastic Lumber, Add	6.65	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.62	
For White Color, Add	7.64	
For All Other Colors (Except Black, Brown Or White), Add	6.47	
06 51 13 00-0053 LF 3" x 12", Other Shapes, Recycled Plastic Lumber	22.27	1.44
For Reinforced Structural Plastic Lumber, Add	7.48	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.82	
For White Color, Add	8.59	
For All Other Colors (Except Black, Brown Or White), Add	7.28	
06 51 13 00-0054 LF 4" x 4", Other Shapes, Recycled Plastic Lumber	10.82	1.02
For Reinforced Structural Plastic Lumber, Add	3.47	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.84	
For White Color, Add	3.98	
For All Other Colors (Except Black, Brown Or White), Add	3.37	
06 51 13 00-0055 LF 4" x 6", Other Shapes, Recycled Plastic Lumber	15.51	1.07
For Reinforced Structural Plastic Lumber, Add	5.18	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.26	
For White Color, Add	5.95	
For All Other Colors (Except Black, Brown Or White), Add	5.04	
06 51 13 00-0056 LF 4" x 8", Other Shapes, Recycled Plastic Lumber	22.10	1.16
For Reinforced Structural Plastic Lumber, Add	7.56	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.84	
For White Color, Add	8.69	
For All Other Colors (Except Black, Brown Or White), Add	7.36	
06 51 13 00-0057 LF 5" x 5", Other Shapes, Recycled Plastic Lumber	16.50	1.18
For Reinforced Structural Plastic Lumber, Add	5.48	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.33	
For White Color, Add	6.30	
For All Other Colors (Except Black, Brown Or White), Add	5.34	
06 51 13 00-0058 LF 6" x 6", Other Shapes, Recycled Plastic Lumber	22.55	1.33
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.43	
06 51 13 00-0059 LF 6" x 8", Other Shapes, Recycled Plastic Lumber	30.66	1.44
For Reinforced Structural Plastic Lumber, Add	10.58	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.57	
For White Color, Add	12.16	
For All Other Colors (Except Black, Brown Or White), Add	10.30	
06 51 13 00-0060 LF 6" x 12", Other Shapes, Recycled Plastic Lumber	45.35	1.61
For Reinforced Structural Plastic Lumber, Add	15.93	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.88	
For White Color, Add	18.30	
For All Other Colors (Except Black, Brown Or White), Add	15.50	
06 51 13 00-0061 LF 8" x 8", Other Shapes, Recycled Plastic Lumber	39.51	1.54
For Reinforced Structural Plastic Lumber, Add	13.80	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.36	
For White Color, Add	15.85	
For All Other Colors (Except Black, Brown Or White), Add	13.43	
06 51 13 00-0062 LF 8" x 10", Other Shapes, Recycled Plastic Lumber	52.82	1.61
For Reinforced Structural Plastic Lumber, Add	18.70	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	4.55	
For White Color, Add	21.48	
For All Other Colors (Except Black, Brown Or White), Add	18.19	
06 51 13 00-0063 LF 10" x 10", Other Shapes, Recycled Plastic Lumber	72.79	1.68
For Reinforced Structural Plastic Lumber, Add	26.05	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	6.34	
For White Color, Add	29.92	
For All Other Colors (Except Black, Brown Or White), Add	25.34	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51	13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber.....	3.66	0.54
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.07	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.26	
			<i>For White Color, Add</i>	1.23	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.04	
06 51	13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber.....	10.67	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.58	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.87	
			<i>For White Color, Add</i>	4.11	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.48	
06 51	13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber.....	11.74	0.80
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.92	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.95	
			<i>For White Color, Add</i>	4.51	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.82	
06 51	13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber.....	14.55	0.97
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.88	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.19	
			<i>For White Color, Add</i>	5.60	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.74	
06 51	13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber.....	32.37	1.12
			<i>For Reinforced Structural Plastic Lumber, Add</i>	11.38	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.77	
			<i>For White Color, Add</i>	13.07	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	11.07	
06 51	13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.53	0.59
06 51	13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	5.79	0.61
06 51	13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	7.76	0.65
06 51	13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	11.93	0.67

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns (06 52)****06 52 13 00-0001 Round Fiberglass Columns (06 52 13)**

06 52	13 00-0002	LF	6" Diameter, Round Fiberglass Column.....	15.88	5.34
06 52	13 00-0003	LF	8" Diameter, Round Fiberglass Column.....	22.38	7.76
06 52	13 00-0004	LF	10" Diameter, Round Fiberglass Column.....	26.07	8.73
06 52	13 00-0005	LF	12" Diameter, Round Fiberglass Column.....	32.67	9.13
06 52	13 00-0006	LF	15" Diameter, Round Fiberglass Column.....	39.99	10.54
06 52	13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns.....	30.65	10.10
06 52	13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns.....	34.03	10.91
06 52	13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns.....	40.29	12.12
06 52	13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns.....	56.72	12.93
06 52	13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns.....	77.73	14.14

06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52	13 00-0013	LF	6" Diameter, Fluted Fiberglass Column.....	16.90	5.34
06 52	13 00-0014	LF	8" Diameter, Fluted Fiberglass Column.....	23.74	7.76
06 52	13 00-0015	LF	10" Diameter, Fluted Fiberglass Column.....	27.80	8.73
06 52	13 00-0016	LF	12" Diameter, Fluted Fiberglass Column.....	35.57	9.13
06 52	13 00-0017	LF	15" Diameter, Fluted Fiberglass Column.....	43.77	10.58
06 52	13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns.....	32.74	10.10
06 52	13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns.....	36.48	10.91
06 52	13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns.....	43.51	12.12
06 52	13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns.....	62.89	12.93
06 52	13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns.....	87.62	14.14

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)

06 52	13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns.....	134.83	12.12
06 52	13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns.....	180.17	14.14
06 52	13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns.....	231.11	16.15
06 52	13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns.....	160.73	12.12
06 52	13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns.....	193.47	14.14
06 52	13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns.....	282.91	16.15
06 52	13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns.....	202.73	12.12
06 52	13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns.....	245.97	14.14
06 52	13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns.....	326.31	16.15
06 52	13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns.....	136.93	12.12
06 52	13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns.....	184.37	14.14
06 52	13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns.....	235.31	16.15
06 52	13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns.....	136.93	12.12
06 52	13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns.....	164.77	14.14
06 52	13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns.....	217.81	16.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 53 Plastic Decking <small>(06 50)</small>		
06 53 16 Plastic Stair Treads <small>(06 53)</small>		
06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads <small>(06 53 16)</small>		
Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002 SF 12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread	36.47	4.16
 06 60 Plastic Fabrications <small>(06)</small>		
06 65 Plastic Trim <small>(06 60)</small>		
06 65 00 00-0001 Plastic Moldings <small>(06 65)</small>		
Note: All dimensions are nominal.		
06 65 00 00-0002 Base, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0003 LF 3-1/2" High, Base, Plastic Molding	4.09	1.51
06 65 00 00-0004 LF 4-1/2" High, Base, Plastic Molding	5.01	1.89
06 65 00 00-0005 LF 3/4" x 1", Base Shoe, Plastic Molding	3.88	1.59
 06 65 00 00-0006 Cornice, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0007 LF 1" x 2" Cornice, Plastic Molding	3.82	1.51
06 65 00 00-0008 LF 1" x 4" Cornice, Plastic Molding	4.59	1.59
06 65 00 00-0009 LF 1" x 6" Cornice, Plastic Molding	6.03	1.66
06 65 00 00-0010 LF 1" x 8" Cornice, Plastic Molding	6.83	1.74
06 65 00 00-0011 LF 1" x 10" Cornice, Plastic Molding	7.78	1.81
06 65 00 00-0012 LF 1" x 12" Cornice, Plastic Molding	9.73	1.89
 06 65 00 00-0013 Crown Or Bed, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0014 LF 9/16" x 1-5/8" Crown Or Bed, Plastic Molding	6.21	1.51
06 65 00 00-0015 LF 9/16" x 2-1/4" Crown Or Bed, Plastic Molding	8.25	1.89
06 65 00 00-0016 LF 9/16" x 3-1/2" Crown Or Bed, Plastic Molding	8.56	1.89
06 65 00 00-0017 LF 9/16" x 3-5/8" Crown Or Bed, Plastic Molding	8.87	1.89
06 65 00 00-0018 LF 5/8" x 4-1/4" Crown Or Bed, Plastic Molding	11.47	2.27
06 65 00 00-0019 LF 11/16" x 4-5/8" Crown Or Bed, Plastic Molding	13.37	2.27
 06 65 00 00-0020 Dentil, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0021 LF 11/16" x 1-3/8" Dentil, Plastic Molding	5.40	1.51
06 65 00 00-0022 LF 5/8" x 2-1/2" Dentil, Plastic Molding	5.98	1.51
06 65 00 00-0023 LF 1-3/8" x 3-3/8" Dentil, Plastic Molding	7.29	1.51
06 65 00 00-0024 LF 1-1/2" x 4-1/2" Dentil, Plastic Molding	9.56	1.51
 06 65 00 00-0025 Cove, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0026 LF 3/8" x 3/8" Cove, Plastic Molding	2.17	0.84
06 65 00 00-0027 LF 1/2" x 1/2" Cove, Plastic Molding	2.32	0.84
06 65 00 00-0028 LF 5/8" x 5/8" Cove, Plastic Molding	3.02	0.99
06 65 00 00-0029 LF 3/4" x 3/4" Cove, Plastic Molding	3.02	0.99
06 65 00 00-0030 LF 15/16" x 15/16" Cove, Plastic Molding	3.70	0.99
06 65 00 00-0031 LF 9/16" x 1-3/4" Cove, Plastic Molding	4.79	1.14
06 65 00 00-0032 LF 11/16" x 2-3/4" Cove, Plastic Molding	6.23	1.14
 06 65 00 00-0033 Chair Rail, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0034 LF 1/2" x 1-5/8" Chair Rail, Plastic Molding	3.55	1.14
06 65 00 00-0035 LF 5/8" x 2-1/2" Chair Rail, Plastic Molding	4.77	1.51
06 65 00 00-0036 LF 5/8" x 3-1/2" Chair Rail, Plastic Molding	5.65	1.51
 06 65 00 00-0037 Door, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0038 LF 1-1/8" Wide, Door, Plastic Molding	3.24	1.36
06 65 00 00-0039 LF 1-1/8" Wide, Detailed Door, Plastic Molding	3.26	1.36
 06 65 00 00-0040 Trim, Plastic Moldings <small>(06 65 00 00-0001)</small>		
06 65 00 00-0041 LF 1/2" x 1/2" Quarter Round Trim, Plastic Molding	3.48	1.59
06 65 00 00-0042 LF 3/4" x 3/4" Quarter Round Trim, Plastic Molding	3.81	1.59
06 65 00 00-0043 LF 1-1/4" x 2" Brick, Plastic Molding	4.24	1.51
06 65 00 00-0044 LF 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	4.81	1.51
06 65 00 00-0045 LF 11/16" x 1-5/8" Drip Cap, Plastic Molding	3.68	1.51
06 65 00 00-0046 LF 2-3/4" x 2" Water Table, Plastic Molding	5.22	1.51
06 65 00 00-0047 LF 3/8" x 2" Garage Door Stop, Plastic Molding	4.00	1.51

06 Wood, Plastics, and Composites

06 60 Plastic Fabrications

06 65 Plastic Trim

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 65 00 00-0048		Extruded Polyvinyl Chloride (PVC) Trimboard ^(06 65)		
Note: As manufactured by Azek or Kleer. All dimensions are nominal.				
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.43	0.60
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.42	0.68
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.45	0.75
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.32	0.78
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.28	0.80
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.94	0.60
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.20	0.68
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.32	0.75
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.51	0.78
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.61	0.80
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	6.24	0.78
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	8.21	0.80
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	4.41	0.68
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	6.28	0.75

06 70 Structural Composites ⁽⁰⁶⁾06 74 Composite Gratings ^(06 70)06 74 13 Fiberglass Reinforced Gratings ^(06 74)06 74 13 00-0001 Molded Fiberglass Gratings And Coverings ^(06 74 13)06 74 13 00-0002 Vi-Corr Resin System ^(06 74 13 00-0001)

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	29.79	1.50
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	28.95	1.50
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	37.68	1.50
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	40.87	1.91
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	31.25	1.50
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	30.38	1.50
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	39.79	1.50
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	42.85	1.91
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	28.18	1.20
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	45.52	1.32
06 74 13 00-0013	SF	3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	62.32	1.45

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin ^(06 74 13 00-0001)

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	27.43	1.50
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	25.71	1.50
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	32.99	1.50
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	35.66	1.91
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	28.62	1.50
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	26.39	1.50
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	35.92	1.91
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	37.63	1.91
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	24.87	1.20
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	35.14	1.32
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	48.19	1.45

06 74 13 00-0026 Corvex Polyester Resin ^(06 74 13 00-0001)

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	23.32	1.50
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	22.41	1.50
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	27.10	1.50
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top.....	31.19	1.91
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top.....	24.83	1.50
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	23.91	1.50
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	28.85	1.50
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top.....	32.69	1.91
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering.....	21.99	1.20
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering.....	34.98	1.32
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering.....	48.45	1.45

06 74 13 00-0038 XFR Extra Fire Retardant ^(06 74 13 00-0001)

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	34.17	1.50
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	33.18	1.50
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	45.31	1.50
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	48.47	1.91
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top.....	35.65	1.50
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	34.68	1.50
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	47.06	1.50
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	50.60	1.91
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	32.25	1.20
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	52.03	1.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	35.03	1.50
06 74 13 00-0051 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	33.98	1.50
06 74 13 00-0052 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	44.11	1.50
06 74 13 00-0053 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	47.33	1.91
06 74 13 00-0054 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	36.40	1.50
06 74 13 00-0055 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	35.54	1.50
06 74 13 00-0056 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	45.79	1.50
06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	49.04	1.91
06 74 13 00-0058 SF 1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering.....	36.02	1.20
06 74 13 00-0059 SF 1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	64.78	1.32
06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
Note: For moderately corrosive environments, green.		
06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	24.99	1.91
06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	22.21	1.50
06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	28.23	1.91
06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	26.12	1.50
06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	19.56	1.91
06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	17.36	1.50
06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	22.36	1.91
06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	20.22	1.50
06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	28.19	1.91
06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	25.49	1.50
06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	31.66	1.91
06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	29.72	1.50
06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	24.82	1.91
06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	22.67	1.50
06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	24.59	1.91
06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.17	1.91
06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	32.77	1.91
06 74 13 00-0082 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	30.94	1.91
06 74 13 00-0083 VEF Vinyl Ester Resin System (06 74 13 00-0060)		
06 74 13 00-0084 1" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	26.45	1.50
06 74 13 00-0086 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	23.68	1.50
06 74 13 00-0087 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	29.72	1.50
06 74 13 00-0088 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	34.08	1.50
06 74 13 00-0089 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin	20.36	1.50
06 74 13 00-0090 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin	18.22	1.50
06 74 13 00-0091 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	23.34	1.50
06 74 13 00-0092 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	21.43	1.50
06 74 13 00-0093 1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	29.02	1.50
06 74 13 00-0095 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	26.28	1.50
06 74 13 00-0096 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	33.14	1.50
06 74 13 00-0097 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	30.96	1.50
06 74 13 00-0098 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	26.10	1.50
06 74 13 00-0099 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	24.06	1.50
06 74 13 00-0100 2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0101 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	25.81	1.91
06 74 13 00-0102 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	23.83	1.91
06 74 13 00-0103 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin	34.49	1.91
06 74 13 00-0104 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin	33.51	1.91

06 80 Composite Fabrications (06)

06 82 Composite Trim (06 80)

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 82 00 00-0001	Fiberglass Castings (06 82)		
06 82 00 00-0002	Fiberglass Angle, Equal Legs (06 82 00 00-0001)		
06 82 00 00-0003	LF 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	6.95	2.50
06 82 00 00-0004	LF 1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	7.26	2.50
06 82 00 00-0005	LF 3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	12.59	2.99
06 82 00 00-0006	LF 3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	13.83	2.99
06 82 00 00-0007	LF 4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.91	2.99
06 82 00 00-0008	LF 4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.80	2.99
06 82 00 00-0009	LF 4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	16.01	2.99
06 82 00 00-0010	LF 4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	17.93	2.99
06 82 00 00-0011	LF 6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	42.12	3.73
06 82 00 00-0012	LF 6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	48.31	3.73
06 82 00 00-0013	Fiberglass Channels (06 82 00 00-0001)		
06 82 00 00-0014	LF 3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	8.05	3.73
06 82 00 00-0015	LF 3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	8.36	3.73
06 82 00 00-0016	LF 4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	16.14	4.24
06 82 00 00-0017	LF 4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	16.14	4.24
06 82 00 00-0018	LF 6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	24.83	4.24
06 82 00 00-0019	LF 6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	28.74	4.24
06 82 00 00-0020	LF 8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.37	4.24
06 82 00 00-0021	LF 8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	28.32	4.24
06 82 00 00-0022	LF 10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.63	5.82
06 82 00 00-0023	LF 10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	40.67	5.82
06 82 00 00-0024	Fiberglass Wide Flange Beams (06 82 00 00-0001)		
06 82 00 00-0025	LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	22.15	4.98
06 82 00 00-0026	LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	24.10	4.98
06 82 00 00-0027	LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	28.25	5.98
06 82 00 00-0028	LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	29.18	5.98
06 82 00 00-0029	LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	45.02	7.48
06 82 00 00-0030	LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	56.03	7.48
06 82 00 00-0031	LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	98.12	9.14
06 82 00 00-0032	LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	110.15	9.14
06 82 00 00-0033	Fiberglass Flat Sheet (06 82 00 00-0001)		
	Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF 1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	18.34	4.24
06 82 00 00-0035	SF 1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	19.11	4.24
06 82 00 00-0036	SF 1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	28.39	4.98
06 82 00 00-0037	SF 1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	32.48	4.98
06 82 00 00-0038	SF 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	38.34	5.98
06 82 00 00-0039	SF 3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	44.48	5.98
06 82 00 00-0040	SF 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	51.56	7.48
06 82 00 00-0041	SF 1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	60.95	7.48
06 82 00 00-0042	Fiberglass Bars (06 82 00 00-0001)		
06 82 00 00-0043	Square Bars (06 82 00 00-0042)		
06 82 00 00-0044	LF 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	11.02	2.99
06 82 00 00-0045	LF 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.59	4.40
06 82 00 00-0046	LF 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	18.23	5.82
06 82 00 00-0047	Round Bars (06 82 00 00-0042)		
06 82 00 00-0048	LF 1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	7.23	2.50
06 82 00 00-0049	LF 1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	15.10	3.73
06 82 00 00-0050	LF 1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	16.97	3.73
06 82 00 00-0051	LF 1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.18	3.73
06 82 00 00-0052	LF 1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	26.45	4.24
06 82 00 00-0053	Fiberglass Tubes (06 82 00 00-0001)		
06 82 00 00-0054	Square Tube (06 82 00 00-0053)		
06 82 00 00-0055	LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	8.07	2.50
06 82 00 00-0056	LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	8.67	2.50
06 82 00 00-0057	LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.76	2.99
06 82 00 00-0058	LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.82	2.99
06 82 00 00-0059	LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	21.95	3.73
06 82 00 00-0060	LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	24.41	3.73
06 82 00 00-0061	LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	25.85	4.49
06 82 00 00-0062	LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	32.69	4.49



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0063 Round Tube <small>(06 82 00 00-0053)</small>					
		LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	7.75	2.50
		LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	8.03	2.50
		LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	14.12	2.99
		LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	15.02	2.99
06 82 00 00-0068 Fiberglass Threaded Rods <small>(06 82 00 00-0001)</small>					
		LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	10.11	1.91
		LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	10.73	1.91
		LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	12.30	2.16
		LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	13.51	2.16
		LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	14.88	2.16
06 82 00 00-0074 Grating Support Legs, VEFR Resin <small>(06 82 00 00-0001)</small>					
		EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	15.64	
		EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.70	
		EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	25.21	
06 82 00 00-0078 Fiberglass Netting <small>(06 82 00 00-0001)</small>					
		SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting.....	0.56	0.27
		SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting.....	0.56	0.27
		SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting.....	0.56	0.27
		SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting.....	0.56	0.27
		SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting.....	0.56	0.27
		SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.55	0.27
		SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.55	0.27
		SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.55	0.27
		SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.55	0.27
		SF	1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.55	0.27
06 82 00 00-0089 Fiberglass Stair Treads <small>(06 82)</small>					
06 82 00 00-0090 Fiberglass Stair Treads <small>(06 82 00 00-0089)</small>					
06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>					
		EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	61.71	13.04
		EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	70.65	13.04
		EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	79.59	13.04
		EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	88.53	13.04
		EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	67.07	13.04
		EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	77.35	13.04
		EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	87.63	13.04
		EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	97.91	13.04
		EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	75.29	13.04
		EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	87.63	13.04
		EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	99.97	13.04
		EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	112.30	13.04
06 82 00 00-0104 12" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>					
		EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	66.82	13.04
		EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	77.03	13.04
		EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	87.25	13.04
		EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	97.47	13.04
		EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	72.95	13.04
		EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	84.69	13.04
		EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	96.45	13.04
		EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	108.19	13.04
		EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	82.35	13.04
		EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	96.44	13.04
		EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	110.54	13.04
		EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	124.64	13.04
06 82 00 00-0117 Other Fiberglass <small>(06 82)</small>					
06 82 00 00-0118 Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>					
		EA	Standard Size Fiberglass Splash Block.....	7.14	2.66
06 83 Composite Paneling <small>(06 80)</small>					
06 83 00 00-0001 Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83)</small>					
Note: Includes adhesive and trim.					
		SF	Fiberglass Reinforced Polyester (FRP) Paneling Including Adhesive And Trim.....	3.32	1.34

06	06	Wood, Plastics, and Composites
	06 80	Composite Fabrications
	06 83	Composite Paneling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 06



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

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

07 01 20 Maintenance Of Thermal Protection ^(07 01)

07 01 20 00-0001 Stucco Repair ^(07 01 20)

Note: Per location.

07 01 20 00-0002 Crack Repairs ^(07 01 20 00-0001)

Note: Includes plaster weld.

07 01 20 00-0003	LF	Up To 10', Chip, Clean And Repair Crack In Stucco	13.01
07 01 20 00-0004	LF	>10' To 50', Chip, Clean And Repair Crack In Stucco	10.43
07 01 20 00-0005	LF	>50' To 100', Chip, Clean And Repair Crack In Stucco	8.50
07 01 20 00-0006	LF	>100' To 250', Chip, Clean And Repair Crack In Stucco	6.56
07 01 20 00-0007	LF	>250' To 500', Chip, Clean And Repair Crack In Stucco	5.28
07 01 20 00-0008	LF	>500', Chip, Clean And Repair Crack In Stucco	4.00

07 01 20 00-0009 Hole Repairs ^(07 01 20 00-0001)

Note: Includes plaster weld.

07 01 20 00-0010	SF	Up To 10 SF, Cut And Patch Hole In Stucco To Match Existing	12.26
07 01 20 00-0011	SF	>10 To 50 SF, Cut And Patch Hole In Stucco To Match Existing	10.83
07 01 20 00-0012	SF	>50 To 100 SF, Cut And Patch Hole In Stucco To Match Existing	9.96
07 01 20 00-0013	SF	>100 To 250 SF, Cut And Patch Hole In Stucco To Match Existing	9.24
07 01 20 00-0014	SF	>250 To 500 SF, Cut And Patch Hole In Stucco To Match Existing	8.62
07 01 20 00-0015	SF	>500 SF, Cut And Patch Hole In Stucco To Match Existing	7.92

07 01 20 00-0016 Damage Repairs ^(07 01 20 00-0001)

Note: Includes plaster weld.

07 01 20 00-0017	SF	Up To 10 SF, Chip, Clean And Repair Stucco	23.29
07 01 20 00-0018	SF	>10 To 50 SF, Chip, Clean And Repair Stucco	16.86
07 01 20 00-0019	SF	>50 To 250 SF, Chip, Clean And Repair Stucco	12.35
07 01 20 00-0020	SF	>250 SF, Chip, Clean And Repair Stucco	9.77

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

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

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

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal	18.65
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	31.09

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

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

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

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

07 05 13 00-0002	EA	Labor Crew Up-Charge For 1 SQ Or Less, Add To Line Item	839.42
07 05 13 00-0003	EA	Labor Crew Up-Charge For >1 To 2 SQ, Add To Line Item	628.05
07 05 13 00-0004	EA	Labor Crew Up-Charge For >2 To 3 SQ, Add To Line Item	419.71
07 05 13 00-0005	EA	Labor Crew Up-Charge For >3 To 4 SQ, Add To Line Item	209.35

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

Note: Less than 100 SF area.

07 05 13 00-0007	SF	Roof Repair, Built-Up Roofing, Up To 10 SF	16.42
07 05 13 00-0008	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF	14.76
07 05 13 00-0009	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF	13.47
07 05 13 00-0010	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF	12.52
07 05 13 00-0011	SF	Roof Repair, Membrane Roofing, Up To 10 SF	18.70
07 05 13 00-0012	SF	Roof Repair, Membrane Roofing, >10 To 25 SF	17.04
07 05 13 00-0013	SF	Roof Repair, Membrane Roofing, >25 To 50 SF	15.75
07 05 13 00-0014	SF	Roof Repair, Membrane Roofing, >50 To 100 SF	14.80
07 05 13 00-0015	SF	Roof Repair, Shingle Roofing, Up To 10 SF	14.15
07 05 13 00-0016	SF	Roof Repair, Shingle Roofing, >10 To 25 SF	12.72
07 05 13 00-0017	SF	Roof Repair, Shingle Roofing, >25 To 50 SF	11.66
07 05 13 00-0018	SF	Roof Repair, Shingle Roofing, >50 To 100 SF	10.93
07 05 13 00-0019	LF	Heat Weld Roofing Seams For Repair	4.63

07 Thermal And Moisture Protection
07 05 Common Work Results For Thermal And Moisture Protection
07 05 13 Small Quantities And Repairs For Roofing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 05 13 00-0020 Emergency Roof Patch (07 05 13) Note: 4 Hour response time.		
07 05 13 00-0021 EA Granule Emergency Roof Patch Cover 16 SF	66.50	
07 05 13 00-0022 EA Mobilize For Emergency Roof Patching.....	278.91	
07 05 13 00-0023 Adhesives (07 05 13) Note: For repair of seams.		
07 05 13 00-0024 Mastic Sealer (07 05 13 00-0023)		
07 05 13 00-0025 Applied At Joints Only (07 05 13 00-0024)		
07 05 13 00-0026 LF Mastic Sealer, 1/4" Bead At Joint.....	2.80	1.19

07 10 Dampproofing And Waterproofing (07)

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

07 11 Dampproofing (07 10)

07 11 13 Bituminous Dampproofing (07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)		
07 11 13 00-0002 CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	100.42	
07 11 13 00-0003 CSF 2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	156.29	
07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)		
07 11 13 00-0005 CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On.....	171.22	
07 11 13 00-0006 CSF Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	263.38	
07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	81.35	
07 11 13 00-0009 CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On	150.12	

07 11 19 Sheet Dampproofing (07 11)

07 11 19 00-0001 Neoprene (07 11 19)		
07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5-20 SF)	23.35	
07 11 19 00-0003 EA Neoprene Grommets, For Sealing Screw Anchors To Be Attached Through Metal Flashing.....	6.06	
Note: Includes anchor and drilling.		

07 13 Sheet Waterproofing (07 10)

07 13 13 Bituminous Sheet Waterproofing (07 13)

07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13 13)		
07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	188.59	74.63
<i>For 30 LB Felt, Add</i>		
	29.49	
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-22.39	
07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	229.80	83.97
<i>For 30 LB Felt, Add</i>		
	46.40	
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-25.19	
07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	271.00	93.30
<i>For 30 LB Felt, Add</i>		
	63.32	
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-27.99	
07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	312.22	102.62
<i>For 30 LB Felt, Add</i>		
	80.23	
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-30.79	
07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	353.42	111.95
<i>For 30 LB Felt, Add</i>		
	97.14	
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-33.59	
07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board.....	170.70	67.26
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-22.43	
07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board.....	235.24	69.84
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-23.28	
07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board.....	313.09	72.78
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-24.25	
07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board.....	352.14	75.71
<i>For Application To Horizontal Surfaces, Deduct</i>		
	-25.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 Elastomeric Sheet Waterproofing (07 13)		
07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	3.20	0.70
<i>For Floor Surfaces, Deduct</i>	-0.35	
07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	342.56	97.77
<i>For Application To Horizontal Surfaces, Deduct</i>	-29.33	
07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	410.43	97.77
<i>For Application To Horizontal Surfaces, Deduct</i>	-29.33	
07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing.....	70.59	24.44
<i>For Joint Taping, Add</i>	9.16	
<i>For Each Additional Ply, Add</i>	51.86	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing.....	85.26	24.44
<i>For Joint Taping, Add</i>	9.90	
<i>For Each Additional Ply, Add</i>	62.13	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0009 Butyl With Nylon (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon	78.97	24.44
<i>For Joint Taping, Add</i>	9.58	
<i>For Each Additional Ply, Add</i>	57.73	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon	88.40	24.44
<i>For Joint Taping, Add</i>	10.05	
<i>For Each Additional Ply, Add</i>	64.33	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing	127.22	24.44
<i>For Joint Taping, Add</i>	11.99	
<i>For Each Additional Ply, Add</i>	91.50	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing	189.65	24.44
<i>For Joint Taping, Add</i>	15.12	
<i>For Each Additional Ply, Add</i>	135.20	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0015 Neoprene With Nylon (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon	133.73	24.44
<i>For Joint Taping, Add</i>	12.32	
<i>For Each Additional Ply, Add</i>	96.06	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon	200.06	24.44
<i>For Joint Taping, Add</i>	15.64	
<i>For Each Additional Ply, Add</i>	142.49	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier	22.20	9.22
<i>For Joint Taping, Add</i>	5.81	
<i>For Each Additional Ply, Add</i>	17.58	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.06	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier	23.00	9.22
<i>For Joint Taping, Add</i>	5.85	
<i>For Each Additional Ply, Add</i>	18.14	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.06	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier	25.37	9.22
<i>For Joint Taping, Add</i>	5.97	
<i>For Each Additional Ply, Add</i>	19.80	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.06	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite	87.09	9.22
<i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i>		
<i>For Joint Taping, Add</i>	9.57	
<i>For Each Additional Ply, Add</i>	63.23	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.40	
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	34.04	10.21
<i>For Joint Taping, Add</i>	6.40	
<i>For Each Additional Ply, Add</i>	25.87	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.06	

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 13 Sheet Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	44.71	10.59
For Joint Taping, Add	7.11	
For Each Additional Ply, Add	33.42	
For Application To Horizontal Surfaces, Deduct	-3.18	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	59.06	10.96
For Joint Taping, Add	7.99	
For Each Additional Ply, Add	43.53	
For Application To Horizontal Surfaces, Deduct	-3.29	
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028 CSF Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints.....	27.16	9.45
07 14 Fluid-Applied Waterproofing (07 10)		
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.45	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.14	
For Reinforcing Fabric, Add	0.31	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.67	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.15	
For Reinforcing Fabric, Add	0.31	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002 SF 60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	2.73	
For Application To Horizontal Surfaces, Deduct	-0.30	
07 14 16 00-0003 SF 90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	3.20	
For Application To Horizontal Surfaces, Deduct	-0.31	
07 14 16 00-0004 SF 120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	3.70	
For Application To Horizontal Surfaces, Deduct	-0.33	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006 SF Chlorosulfonated Polyethylene Polymer 1 Part Solution, 15 Mil, Finish Coat.....	1.72	
07 14 16 00-0007 Copolymer Compound (07 14 16)		
07 14 16 00-0008 SF Fluid Elastomeric Copolymer Compound For Slabs 32 Mil.....	2.70	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010 CSF Fluid Neoprene, 1/8" Fiberglass Reinforced.....	310.17	
For Application To Horizontal Surfaces, Deduct	-35.62	
07 14 16 00-0011 CSF Fluid Neoprene, 50 Mil, 4 Coats.....	710.02	
For Application To Horizontal Surfaces, Deduct	-69.87	
07 14 16 00-0012 CSF Fluid Neoprene, 90 Mil, 4 Coats.....	1,186.77	
For Application To Horizontal Surfaces, Deduct	-104.76	
07 16 Cementitious And Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	3.22	
Note: As manufactured by Thoro Consumer Products.		
07 16 16 Crystalline Waterproofing (07 16)		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	3.83	
07 16 19 Metal Oxide Waterproofing (07 16)		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	328.77	
For Application To Horizontal Surfaces, Deduct	-43.27	
07 17 Bentonite Waterproofing (07 10)		
07 17 13 Bentonite Panel Waterproofing (07 17)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	302.19 -24.08	80.25
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	272.73 -26.06	84.78
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	383.68 -26.52	88.42
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled..... <i>For Application To Horizontal Surfaces, Deduct</i>	308.91 -22.05	73.54

07 19 Water Repellents (07 10)

07 19 13 Acrylic Sealer (07 19)

Note: Per coat.

07 19 13 00-0001 SF Acrylic Sealer, Spray On Concrete	1.52
07 19 13 00-0002 SF Acrylic Sealer, Spray On Concrete Block/Brick.....	1.81
07 19 13 00-0003 SF Acrylic Sealer, Spray On Stone	1.98

07 19 19 Penetrating Water Repellents (07 19)

Note: Per coat.

07 19 19 00-0001 SF Penetrating Water Repellent, Spray On Concrete	1.67
07 19 19 00-0002 SF Penetrating Water Repellent, Spray On Concrete Block/Brick.....	2.08

07 20 Thermal Protection (07)

07 21 Thermal Insulation (07 20)

07 21 13 Board Insulation (07 21)

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001 Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13)

07 21 13 13-0002 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation.....	2.21	0.26
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
07 21 13 13-0003 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.09	0.26
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 13-0004 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation.....	3.66	0.27
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 21 13 13-0005 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	4.82	0.27
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	

07 21 13 13-0006 Expanded Polystyrene, Foam Board Insulation (07 21 13 13)

07 21 13 13-0007 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	0.99	0.26
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
07 21 13 13-0008 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.04	0.26
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
07 21 13 13-0009 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.18	0.26
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0010	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.32	0.26
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
07 21 13 13-0011	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.88	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 21 13 13-0012	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.45	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 21 13 13-0013	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.01	0.28
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 21 13 13-0014	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.58	0.29
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
07 21 13 13-0015	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.15	0.29
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.43	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.45	
07 21 13 13-0016			Extruded Polystyrene, Foam Board Insulation (07 21 13 13)		
			Note: 15 PSI compressive strength.		
07 21 13 13-0017	SF		3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation.....	1.12	0.26
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
			<i>For 25 PSI Compressive Strength, Add</i>	0.11	
			<i>For 40 PSI Compressive Strength, Add</i>	0.26	
			<i>For 60 PSI Compressive Strength, Add</i>	0.42	
			<i>For 115 PSI Compressive Strength, Add</i>	1.82	
07 21 13 13-0018	SF		1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation.....	1.30	0.26
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
			<i>For 40 PSI Compressive Strength, Add</i>	0.33	
			<i>For 60 PSI Compressive Strength, Add</i>	0.53	
			<i>For 115 PSI Compressive Strength, Add</i>	2.28	
07 21 13 13-0019	SF		3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation.....	1.44	0.26
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For 40 PSI Compressive Strength, Add</i>	0.38	
			<i>For 60 PSI Compressive Strength, Add</i>	0.61	
			<i>For 115 PSI Compressive Strength, Add</i>	2.64	
07 21 13 13-0020	SF		1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation.....	1.52	0.26
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
			<i>For 40 PSI Compressive Strength, Add</i>	0.41	
			<i>For 60 PSI Compressive Strength, Add</i>	0.65	
			<i>For 115 PSI Compressive Strength, Add</i>	2.84	



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

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0021	SF		2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation	2.29	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
			<i>For 40 PSI Compressive Strength, Add</i>	0.70	
			<i>For 60 PSI Compressive Strength, Add</i>	1.10	
			<i>For 115 PSI Compressive Strength, Add</i>	4.80	
07 21 13 13-0022	SF		3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation	3.06	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For 40 PSI Compressive Strength, Add</i>	0.99	
			<i>For 60 PSI Compressive Strength, Add</i>	1.54	
			<i>For 115 PSI Compressive Strength, Add</i>	6.75	
07 21 13 13-0023	SF		4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation	3.44	0.28
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
			<i>For 25 PSI Compressive Strength, Add</i>	0.48	
			<i>For 40 PSI Compressive Strength, Add</i>	1.13	
			<i>For 60 PSI Compressive Strength, Add</i>	1.75	
			<i>For 115 PSI Compressive Strength, Add</i>	7.70	
07 21 13 16 Fibrous Board Insulation (07 21 13)					
07 21 13 16-0001 Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16)					
07 21 13 16-0002	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.44	0.32
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 21 13 16-0003	SF		2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.12	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 21 13 16-0004	SF		3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.80	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.21	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
07 21 13 16-0005 Fiberglass, Fibrous Board Insulation (07 21 13 16)					
07 21 13 16-0006	SF		1" Thick, R4.2, Fiberglass, Fibrous Board Insulation	2.54	0.26
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
07 21 13 16-0007	SF		1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation	2.85	0.26
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 16-0008	SF		2" Thick, R8.0, Fiberglass, Fibrous Board Insulation	3.50	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0009 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation	4.02	0.27
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
07 21 13 16-0010 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation	4.54	0.27
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 21 13 19 Mineral Board Insulation (07 21 13)		
07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation	1.10	0.29
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 21 13 19-0003 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	1.30	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 19-0004 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation	1.51	0.32
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 21 13 19-0005 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation	1.88	0.36
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
07 21 13 19-0006 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation	2.26	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 21 13 19-0007 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	1.10	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.21	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
07 21 16 Blanket Insulation (07 21)		
Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.		
07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)		
Note: Rolls or batts.		
07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003 SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.04	0.32
07 21 16 00-0004 SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.12	0.32
07 21 16 00-0005 SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.15	0.32
07 21 16 00-0006 SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	1.51	0.32
07 21 16 00-0007 SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.25	0.32
07 21 16 00-0008 SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	1.94	0.40
07 21 16 00-0009 SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.06	0.40
07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0011 SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	0.99	0.32
07 21 16 00-0012 SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.08	0.32
07 21 16 00-0013 SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.44	0.32
07 21 16 00-0014 SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.45	0.32
07 21 16 00-0015 SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.20	0.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0016 SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	1.83	0.40
07 21 16 00-0017 SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	1.99	0.40
07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019 SF 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.19	0.32
07 21 16 00-0020 SF 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.33	0.32
07 21 16 00-0021 SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	1.44	0.32
07 21 16 00-0022 SF 10-1/4" Thick, Foil Faced, R-30 Fiberglass Flexible Insulation	2.15	0.40
07 21 16 00-0023 SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.32	0.40
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025 SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.07	0.32
07 21 16 00-0026 SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.15	0.32
07 21 16 00-0027 SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	1.56	0.32
07 21 16 00-0028 SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.26	0.32
07 21 16 00-0029 SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	1.94	0.40
07 21 16 00-0030 SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	1.99	0.40
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033 SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	1.16	0.32
07 21 16 00-0034 SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	1.54	0.32
07 21 16 00-0035 SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	2.46	0.32
07 21 16 00-0036 SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	2.80	0.32
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.08	0.32
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	1.41	0.32
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	2.22	0.32
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation	2.51	0.32
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043 UltraTouch Natural Cotton Insulation (07 21 16 00-0042)		
Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch Natural Cotton Insulation.....	1.59	0.32
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch Natural Cotton Insulation.....	1.80	0.32
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch Natural Cotton Insulation.....	2.01	0.32
07 21 16 00-0047 SF 8", R-30 UltraTouch Natural Cotton Insulation.....	2.74	0.32
07 21 19 Foamed-In-Place Insulation (07 21)		
07 21 19 00-0001 Foam Sprayed On Insulation (07 21 19)		
07 21 19 00-0002 SF 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	0.88	
07 21 19 00-0003 SF 2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.47	
07 21 19 00-0004 SF 3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.07	
07 21 19 00-0005 SF 4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.64	
07 21 19 00-0006 SF 5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.23	
07 21 19 00-0007 SF 6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.82	
07 21 19 00-0008 SF 1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	1.69	
07 21 19 00-0009 SF 2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.64	
07 21 19 00-0010 SF 3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.61	
07 21 19 00-0011 SF 4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.57	
07 21 19 00-0012 SF 5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.53	
07 21 19 00-0013 SF 6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.49	
07 21 23 Loose-Fill Insulation (07 21)		
07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002 CF R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	4.83	1.87
07 21 23 00-0003 CF R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation	5.18	1.87
07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005 CF R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	7.27	1.87
07 21 23 00-0006 CF R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	7.23	1.87
07 21 26 Blown Insulation (07 21)		
07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0003	SF		3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.11	0.86
07 21 26 00-0004	SF		6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.41	1.03
07 21 26 00-0005	SF		7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.56	1.12
07 21 26 00-0006	SF		10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	1.80	1.19
07 21 26 00-0007	SF		12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	2.06	1.28
07 21 26 00-0008	SF		13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	2.23	1.36
07 21 26 00-0009	SF		14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.28	1.36
07 21 26 00-0010	SF		16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	2.39	1.36
07 21 26 00-0011	SF		19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	2.64	1.36
07 21 26 00-0012	SF		21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	2.65	1.36
07 21 26 00-0013			New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0014	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.56	0.86
07 21 26 00-0015	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	2.07	1.03
07 21 26 00-0016	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	2.46	1.12
07 21 26 00-0017	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	2.91	1.19
07 21 26 00-0018			Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	1.48	0.86
07 21 26 00-0020	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	2.00	1.03
07 21 26 00-0021	SF		7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	2.38	1.12
07 21 26 00-0022	SF		9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	2.83	1.19
07 21 26 00-0023			Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0024			Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0025	SF		3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.13	0.86
07 21 26 00-0026	SF		5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.35	0.94
07 21 26 00-0027	SF		6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.52	1.03
07 21 26 00-0028	SF		7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	1.77	1.12
07 21 26 00-0029	SF		8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	1.81	1.12
07 21 26 00-0030	SF		10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation.....	2.09	1.19
07 21 26 00-0031	SF		11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	2.15	1.19
07 21 26 00-0032	SF		13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	2.52	1.28
07 21 26 00-0033	SF		16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	2.86	1.36
07 21 26 00-0034			New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0035	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	1.52	0.86
07 21 26 00-0036	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation.....	2.02	1.03
07 21 26 00-0037	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation.....	2.38	1.12
07 21 26 00-0038	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation.....	2.81	1.19
07 21 26 00-0039			Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation.....	1.44	0.86
07 21 26 00-0041	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation.....	1.94	1.03
07 21 26 00-0042	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation.....	2.30	1.12
07 21 26 00-0043	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation.....	2.73	1.19
07 21 29 Sprayed Insulation (07 21)					
07 21 29 00-0001			Fiber Sprayed On Insulation (07 21 29)		
07 21 29 00-0002	SF		1" Spray, R2.7 Perlite Insulation.....	1.74	0.48
07 21 29 00-0003	SF		1" Spray, R3.7 Fibrous/Cementitious Insulation.....	1.26	0.48
07 21 29 00-0004			Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005	SF		1" Thick - Cellulose Spray-on Insulation.....	2.53	0.48
07 21 53 Reflective Insulation (07 21)					
07 21 53 00-0001			Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002	SF		3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space.....	0.69	
07 22 Roof And Deck Insulation (07 20)					
07 22 16 Roof Board Insulation (07 22)					
			Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001			Rigid Board Roofing Insulation (07 22 16)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0002 High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0003 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.36	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0004 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.58	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.32	
07 22 16 00-0005 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	1.80	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
07 22 16 00-0006 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	2.21	
<i>For Hot-Mopped, Deduct</i>	-0.12	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.22	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.36	
07 22 16 00-0007 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	2.61	
<i>For Hot-Mopped, Deduct</i>	-0.11	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 22 16 00-0008 Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0009 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.46	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
07 22 16 00-0010 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.73	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
07 22 16 00-0011 Perlite, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0012 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation.....	1.32	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0013 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation.....	1.45	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0014 SF 1" Thick, R2.78, Perlite, Roof Board Insulation.....	1.61	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0015 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation.....	1.99	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0016 SF 2" Thick, R5.56, Perlite, Roof Board Insulation.....	2.22	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 22 16 00-0017 Basalt Rock Wool, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0018 SF 1" Thick, R3.5, Basalt Rock Wool, Roof Board Insulation.....	1.82	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	0.11	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0019 SF 2" Thick, R7.4, Basalt Rock Wool, Roof Board Insulation.....	2.41	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0020	SF		3" Thick, R11.1, Basalt Rock Wool, Roof Board Insulation	3.13	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.35	
07 22 16 00-0021			Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0022	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation	3.33	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0023	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation	3.90	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 22 16 00-0024	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation	5.07	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.35	
07 22 16 00-0025	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation	6.24	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.36	
07 22 16 00-0026			Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0027	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.27	
			<i>For Loose-Laid, Deduct</i>	-0.68	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 22 16 00-0028	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.32	
			<i>For Loose-Laid, Deduct</i>	-0.68	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 22 16 00-0029	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.47	
			<i>For Loose-Laid, Deduct</i>	-0.68	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0030	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.61	
			<i>For Loose-Laid, Deduct</i>	-0.68	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0031	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.18	
			<i>For Loose-Laid, Deduct</i>	-0.69	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0032	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.76	
			<i>For Loose-Laid, Deduct</i>	-0.70	
			<i>For Hot-Mopped, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.21	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
07 22 16 00-0033	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.34	
			<i>For Loose-Laid, Deduct</i>	-0.72	
			<i>For Hot-Mopped, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.42	
07 22 16 00-0034	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.90	
			<i>For Loose-Laid, Deduct</i>	-0.72	
			<i>For Hot-Mopped, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 22 16 00-0035	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.48	
			<i>For Loose-Laid, Deduct</i>	-0.73	
			<i>For Hot-Mopped, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0036 Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0001)</small>		
<i>Note: 15 PSI compressive strength.</i>		
07 22 16 00-0037 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	1.67	
For Loose-Laid, Deduct	-0.65	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.11	
For Mechanically Fastened To Gypsum, Add	0.28	
For 25 PSI Compressive Strength, Add	0.16	
For 40 PSI Compressive Strength, Add	0.38	
For 60 PSI Compressive Strength, Add	0.62	
For 115 PSI Compressive Strength, Add	2.66	
07 22 16 00-0038 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	1.76	
For Loose-Laid, Deduct	-0.66	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.11	
For Mechanically Fastened To Gypsum, Add	0.28	
For 25 PSI Compressive Strength, Add	0.17	
For 40 PSI Compressive Strength, Add	0.41	
For 60 PSI Compressive Strength, Add	0.67	
For 115 PSI Compressive Strength, Add	2.87	
07 22 16 00-0039 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation.....	2.14	
For Loose-Laid, Deduct	-0.66	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.08	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.28	
For 25 PSI Compressive Strength, Add	0.24	
For 40 PSI Compressive Strength, Add	0.56	
For 60 PSI Compressive Strength, Add	0.89	
For 100 PSI Compressive Strength, Add	1.14	
For 115 PSI Compressive Strength, Add	3.84	
07 22 16 00-0040 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.53	
For Loose-Laid, Deduct	-0.66	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.08	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.29	
For 25 PSI Compressive Strength, Add	0.30	
For 40 PSI Compressive Strength, Add	0.70	
For 60 PSI Compressive Strength, Add	1.11	
For 115 PSI Compressive Strength, Add	4.82	
07 22 16 00-0041 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation.....	2.91	
For Loose-Laid, Deduct	-0.66	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.18	
For Mechanically Fastened To Gypsum, Add	0.32	
For 25 PSI Compressive Strength, Add	0.36	
For 40 PSI Compressive Strength, Add	0.85	
For 60 PSI Compressive Strength, Add	1.33	
For 100 PSI Compressive Strength, Add	1.71	
For 115 PSI Compressive Strength, Add	5.80	
07 22 16 00-0042 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation	3.31	
For Loose-Laid, Deduct	-0.67	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.19	
For Mechanically Fastened To Gypsum, Add	0.35	
For 25 PSI Compressive Strength, Add	0.42	
For 40 PSI Compressive Strength, Add	0.99	
For 60 PSI Compressive Strength, Add	1.55	
For 115 PSI Compressive Strength, Add	6.78	
07 22 16 00-0043 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation.....	3.70	
For Loose-Laid, Deduct	-0.68	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	0.01	
For Mechanically Fastened To Concrete, Add	0.25	
For Mechanically Fastened To Gypsum, Add	0.40	
For 25 PSI Compressive Strength, Add	0.48	
For 40 PSI Compressive Strength, Add	1.13	
For 60 PSI Compressive Strength, Add	1.76	
For 115 PSI Compressive Strength, Add	7.73	
07 22 16 00-0044 Polyisocyanurate Board Roofing Insulation <small>(07 22 16 00-0001)</small>		
07 22 16 00-0045 SF 3/4" Thick, R5.1, Polyisocyanurate, Roof Board Insulation.....	1.51	
For Loose-Laid, Deduct	-0.65	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.11	
For Mechanically Fastened To Gypsum, Add	0.28	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.09	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0046 SF 1" Thick, R7.14, Polyisocyanurate, Roof Board Insulation.....	1.57	
For Loose-Laid, Deduct	-0.66	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.11	
For Mechanically Fastened To Gypsum, Add	0.28	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.09	
07 22 16 00-0047 SF 1-1/2" Thick, R10.87, Polyisocyanurate, Roof Board Insulation.....	1.66	
For Loose-Laid, Deduct	-0.66	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.08	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.28	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.10	
07 22 16 00-0048 SF 2" Thick, R14.29, Polyisocyanurate, Roof Board Insulation.....	1.87	
For Loose-Laid, Deduct	-0.66	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.08	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.29	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.12	
07 22 16 00-0049 SF 2-1/2" Thick, R16.67, Polyisocyanurate, Roof Board Insulation.....	2.10	
For Loose-Laid, Deduct	-0.67	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.19	
For Mechanically Fastened To Gypsum, Add	0.33	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0050 SF 3" Thick, R21.74, Polyisocyanurate, Roof Board Insulation.....	2.32	
For Loose-Laid, Deduct	-0.67	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.19	
For Mechanically Fastened To Gypsum, Add	0.35	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.16	
07 22 16 00-0051 SF 3-1/2" Thick, R25, Polyisocyanurate, Roof Board Insulation.....	2.56	
For Loose-Laid, Deduct	-0.68	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	0.01	
For Mechanically Fastened To Concrete, Add	0.24	
For Mechanically Fastened To Gypsum, Add	0.36	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.19	
07 22 16 00-0052 SF 4" Thick, R28.8, Polyisocyanurate, Roof Board Insulation.....	2.78	
For Loose-Laid, Deduct	-0.68	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	0.01	
For Mechanically Fastened To Concrete, Add	0.25	
For Mechanically Fastened To Gypsum, Add	0.40	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.21	
07 22 16 00-0053 High-Density Polyisocyanurate Cover Board And Roofing Insulation (0722 16 00-		
0001)		
07 22 16 00-0054 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation.....	1.71	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.31	
07 22 16 00-0055 Gypsum-Fiber, Roof Board Insulation (USG Securock) (0722 16 00-0001)		
07 22 16 00-0056 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.63	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.31	
07 22 16 00-0057 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.72	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.31	
07 22 16 00-0058 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.78	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.31	
07 22 16 00-0059 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.81	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.13	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0060			Glass-Mat, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0001)</small>		
	07 22 16 00-0061	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.60	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
	07 22 16 00-0062	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.73	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
	07 22 16 00-0063	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.77	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	

07 22 16 00-0064			Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation <small>(07 22 16 00-0001)</small>		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
	07 22 16 00-0065	SF	1.5" Thick, R6.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.71	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
	07 22 16 00-0066	SF	2" Thick, R9.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.84	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
	07 22 16 00-0067	SF	2.5" Thick, R12.7, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.02	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.29	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.43	
	07 22 16 00-0068	SF	3" Thick, R15.9, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.13	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.46	
	07 22 16 00-0069	SF	3.5" Thick, R19.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.39	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.35	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
	07 22 16 00-0070	SF	4" Thick, R22.3, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.49	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.51	
	07 22 16 00-0071	SF	4.5" Thick, R25.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.69	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.59	

07 22 16 00-0072			Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation <small>(07 22 16 00-0001)</small>		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
	07 22 16 00-0073	SF	2.5" Thick, R6.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.29	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.43	
	07 22 16 00-0074	SF	3" Thick, R9.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.97	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.29	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.45	
	07 22 16 00-0075	SF	3.5" Thick, R12.1, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.23	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.34	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.46	
	07 22 16 00-0076	SF	4" Thick, R15.3, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.41	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.35	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.50	
	07 22 16 00-0077	SF	4.5" Thick, R18.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.64	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.42	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.55	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0078 SF 5" Thick, R21.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.88	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.43	
For Mechanically Fastened To Gypsum, Add	0.56	
07 22 16 00-0079 SF 5.5" Thick, R25.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.34	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.65	
For Mechanically Fastened To Gypsum, Add	0.67	
07 22 16 00-0080 Rigid Board Tapered Roofing Insulation (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0081 Tapered Polyisocyanurate Board (07 22 16 00-0080) Note: Includes polyurethane adhesive.		
07 22 16 00-0082 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0081)		
07 22 16 00-0083 SF 2.25" Average Thickness (13.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	2.75	
For 25 PSI Compressive Strength, Add	0.17	
For Hot-Mopped, Deduct	-0.10	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.24	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.64	
07 22 16 00-0084 SF 2.75" Average Thickness (16.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.92	
For 25 PSI Compressive Strength, Add	0.19	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.09	
07 22 16 00-0085 SF 3.25" Average Thickness (19.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.21	
For 25 PSI Compressive Strength, Add	0.22	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.11	
07 22 16 00-0086 SF 3.75" Average Thickness (22.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.50	
For 25 PSI Compressive Strength, Add	0.25	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.12	
07 22 16 00-0087 SF 4.25" Average Thickness (25.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.79	
For 25 PSI Compressive Strength, Add	0.28	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.15	
07 22 16 00-0088 SF 4.75" Average Thickness (28.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.97	
For 25 PSI Compressive Strength, Add	0.31	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0089 SF 5.25" Average Thickness (31.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.26	
For 25 PSI Compressive Strength, Add	0.34	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0090 SF 5.75" Average Thickness (34.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.55	
For 25 PSI Compressive Strength, Add	0.37	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0091 SF 6.25" Average Thickness (37.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.84	
For 25 PSI Compressive Strength, Add	0.40	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0092 SF 6.75" Average Thickness (40.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	8.03	
For 25 PSI Compressive Strength, Add	0.43	
For Hot-Mopped, Deduct	-0.46	
For Mechanically Fastened To Wood Or Steel, Add	0.36	
For Mechanically Fastened To Concrete, Add	1.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.32	
07 22 16 00-0093 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0081)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0094 SF 2" Average Thickness (12 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board .....2.60 <i>For 25 PSI Compressive Strength, Add 0.15</i> <i>For Hot-Mopped, Deduct -0.10</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct -0.04</i> <i>For Mechanically Fastened To Concrete, Add 0.24</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 0.64</i>	2.60 0.15 -0.10 -0.04 0.24 0.64	
07 22 16 00-0095 SF 3" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board 4.07 <i>For 25 PSI Compressive Strength, Add 0.21</i> <i>For Hot-Mopped, Deduct -0.21</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct -0.04</i> <i>For Mechanically Fastened To Concrete, Add 0.46</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.09</i>	4.07 0.21 -0.21 -0.04 0.46 1.09	
07 22 16 00-0096 SF 4" Average Thickness (24 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board .....4.65 <i>For 25 PSI Compressive Strength, Add 0.27</i> <i>For Hot-Mopped, Deduct -0.21</i> <i>For Mechanically Fastened To Wood Or Steel, Add 0.01</i> <i>For Mechanically Fastened To Concrete, Add 0.51</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.12</i>	4.65 0.27 -0.21 0.01 0.51 1.12	
07 22 16 00-0097 SF 5" Average Thickness (30 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board .....6.11 <i>For 25 PSI Compressive Strength, Add 0.33</i> <i>For Hot-Mopped, Deduct -0.33</i> <i>For Mechanically Fastened To Wood Or Steel, Add 0.08</i> <i>For Mechanically Fastened To Concrete, Add 0.79</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.64</i>	6.11 0.33 -0.33 0.08 0.79 1.64	
07 22 16 00-0098 SF 6" Average Thickness (36 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board .....6.70 <i>For 25 PSI Compressive Strength, Add 0.39</i> <i>For Hot-Mopped, Deduct -0.33</i> <i>For Mechanically Fastened To Wood Or Steel, Add 0.27</i> <i>For Mechanically Fastened To Concrete, Add 0.98</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.72</i>	6.70 0.39 -0.33 0.27 0.98 1.72	
07 22 16 00-0099 SF 7" Average Thickness (42 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board .....8.17 <i>For 25 PSI Compressive Strength, Add 0.44</i> <i>For Hot-Mopped, Deduct -0.46</i> <i>For Mechanically Fastened To Wood Or Steel, Add 0.36</i> <i>For Mechanically Fastened To Concrete, Add 1.30</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 2.32</i>	8.17 0.44 -0.46 0.36 1.30 2.32	
07 22 16 00-0100 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0101 SF 3.5" Average Thickness (21 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board .....4.36 <i>For 25 PSI Compressive Strength, Add 0.24</i> <i>For Hot-Mopped, Deduct -0.21</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct -0.04</i> <i>For Mechanically Fastened To Concrete, Add 0.46</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.11</i>	4.36 0.24 -0.21 -0.04 0.46 1.11	
07 22 16 00-0102 SF 5.5" Average Thickness (33 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board .....6.41 <i>For 25 PSI Compressive Strength, Add 0.36</i> <i>For Hot-Mopped, Deduct -0.33</i> <i>For Mechanically Fastened To Wood Or Steel, Add 0.08</i> <i>For Mechanically Fastened To Concrete, Add 0.79</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.64</i>	6.41 0.36 -0.33 0.08 0.79 1.64	
07 22 16 00-0103 SF 7.5" Average Thickness (45 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board .....8.46 <i>For 25 PSI Compressive Strength, Add 0.47</i> <i>For Hot-Mopped, Deduct -0.46</i> <i>For Mechanically Fastened To Wood Or Steel, Add 0.36</i> <i>For Mechanically Fastened To Concrete, Add 1.30</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 2.32</i>	8.46 0.47 -0.46 0.36 1.30 2.32	
07 22 16 00-0104 SF 9.5" Average Thickness (57 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board .....10.52 <i>For 25 PSI Compressive Strength, Add 0.59</i> <i>For Hot-Mopped, Deduct -0.57</i> <i>For Mechanically Fastened To Wood Or Steel, Add 0.68</i> <i>For Mechanically Fastened To Concrete, Add 1.84</i>	10.52 0.59 -0.57 0.68 1.84	
07 22 16 00-0105 Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0080)</small> Note: Includes polyurethane adhesive.		
07 22 16 00-0106 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0105)</small>		
07 22 16 00-0107 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) .....2.42 <i>For Mechanically Fastened To Wood Or Steel, Deduct -0.04</i> <i>For Mechanically Fastened To Concrete, Add 0.24</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 0.64</i>	2.42 -0.04 0.24 0.64	
07 22 16 00-0108 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) .....3.60 <i>For Mechanically Fastened To Wood Or Steel, Deduct -0.04</i> <i>For Mechanically Fastened To Concrete, Add 0.46</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.09</i>	3.60 -0.04 0.46 1.09	
07 22 16 00-0109 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) .....3.82 <i>For Mechanically Fastened To Wood Or Steel, Deduct -0.04</i> <i>For Mechanically Fastened To Concrete, Add 0.46</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.11</i>	3.82 -0.04 0.46 1.11	
07 22 16 00-0110 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) .....4.03 <i>For Mechanically Fastened To Wood Or Steel, Add 0.01</i> <i>For Mechanically Fastened To Concrete, Add 0.51</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 1.12</i>	4.03 0.01 0.51 1.12	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0111 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.25	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.15	
07 22 16 00-0112 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.43	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0113 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.65	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0114 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.87	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0115 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.09	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0116 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	7.27	
For Mechanically Fastened To Wood Or Steel, Add	0.36	
For Mechanically Fastened To Concrete, Add	1.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.32	
07 22 16 00-0117 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0118 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	2.31	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.24	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.64	
07 22 16 00-0119 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	3.71	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.09	
07 22 16 00-0120 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	4.14	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.12	
07 22 16 00-0121 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	5.54	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0122 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	5.98	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0123 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	7.38	
For Mechanically Fastened To Wood Or Steel, Add	0.36	
For Mechanically Fastened To Concrete, Add	1.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.32	
07 22 16 00-0124 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0125 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	3.93	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.11	
07 22 16 00-0126 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	5.76	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0127 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	7.60	
For Mechanically Fastened To Wood Or Steel, Add	0.36	
For Mechanically Fastened To Concrete, Add	1.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.32	
07 22 16 00-0128 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	9.66	
For Mechanically Fastened To Wood Or Steel, Add	0.68	
For Mechanically Fastened To Concrete, Add	1.84	
07 22 16 00-0129 Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0130 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0131 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.68	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.24	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.64	
07 22 16 00-0132 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.86	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0133 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0134 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.41	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.12	
07 22 16 00-0135 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.69	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.15	
07 22 16 00-0136 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.86	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
07 22 16 00-0137 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.14	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
07 22 16 00-0138 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.42	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.27	
<i>For Mechanically Fastened To Concrete, Add</i>	0.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
07 22 16 00-0139 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.69	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.27	
<i>For Mechanically Fastened To Concrete, Add</i>	0.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
07 22 16 00-0140 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.88	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36	
<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.32	
07 22 16 00-0141 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0142 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.54	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.64	
07 22 16 00-0143 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.99	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.09	
07 22 16 00-0144 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.55	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.51	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.12	
07 22 16 00-0145 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.00	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
07 22 16 00-0146 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.55	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.27	
<i>For Mechanically Fastened To Concrete, Add</i>	0.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.72	
07 22 16 00-0147 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.01	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36	
<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.32	
07 22 16 00-0148 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0149 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.27	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0150 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.28	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
07 22 16 00-0151 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.29	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36	
<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.32	
07 22 16 00-0152 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	10.31	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.68	
<i>For Mechanically Fastened To Concrete, Add</i>	1.84	
07 22 16 00-0153 Tapered Perlite Board (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0154 1/8" Slope, Tapered Perlite Board (07 22 16 00-0153)		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0155 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.63	
For Hot-Mopped, Deduct	-0.10	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.24	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.64	
07 22 16 00-0156 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	4.60	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.09	
07 22 16 00-0157 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.12	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.11	
07 22 16 00-0158 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.52	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.12	
07 22 16 00-0159 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.03	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.15	
07 22 16 00-0160 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.99	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0161 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.51	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0162 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.91	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0163 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.42	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0164 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board	9.40	
For Hot-Mopped, Deduct	-0.46	
For Mechanically Fastened To Wood Or Steel, Add	0.36	
For Mechanically Fastened To Concrete, Add	1.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.32	
07 22 16 00-0165 1/4" Slope, Tapered Perlite Board (07 22 16 00-0153)	3.38	
07 22 16 00-0166 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board	3.38	
For Hot-Mopped, Deduct	-0.10	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.24	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.64	
07 22 16 00-0167 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board	4.86	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.04	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.09	
07 22 16 00-0168 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board	5.78	
For Hot-Mopped, Deduct	-0.21	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.51	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.12	
07 22 16 00-0169 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board	7.25	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.08	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.64	
07 22 16 00-0170 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board	8.17	
For Hot-Mopped, Deduct	-0.33	
For Mechanically Fastened To Wood Or Steel, Add	0.27	
For Mechanically Fastened To Concrete, Add	0.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.72	
07 22 16 00-0171 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board	9.66	
For Hot-Mopped, Deduct	-0.46	
For Mechanically Fastened To Wood Or Steel, Add	0.36	
For Mechanically Fastened To Concrete, Add	1.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.32	
07 22 16 00-0172 1/2" Slope, Tapered Perlite Board (07 22 16 00-0153)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0173 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board	5.37	
<i>For Hot-Mopped, Deduct</i>	-0.21	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0174 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board	7.76	
<i>For Hot-Mopped, Deduct</i>	-0.33	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
07 22 16 00-0175 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board	10.17	
<i>For Hot-Mopped, Deduct</i>	-0.46	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36	
<i>For Mechanically Fastened To Concrete, Add</i>	1.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.32	
07 22 16 00-0176 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	12.57	
<i>For Hot-Mopped, Deduct</i>	-0.57	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.68	
<i>For Mechanically Fastened To Concrete, Add</i>	1.84	

07 22 16 00-0177

Rigid Board Roofing Insulation Demolition (07 22 16)

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0178 SF Up To 1/2" Average Thickness, Rigid Board Roofing Insulation Demolition	0.41	
07 22 16 00-0179 SF >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation Demolition	0.42	
07 22 16 00-0180 SF >1" To 2" Average Thickness, Rigid Board Roofing Insulation Demolition	0.43	
07 22 16 00-0181 SF >2" To 3" Average Thickness, Rigid Board Roofing Insulation Demolition	0.44	
07 22 16 00-0182 SF >3" To 4" Average Thickness, Rigid Board Roofing Insulation Demolition	0.45	
07 22 16 00-0183 SF >4" To 5" Average Thickness, Rigid Board Roofing Insulation Demolition	0.46	
07 22 16 00-0184 SF >5" To 6" Average Thickness, Rigid Board Roofing Insulation Demolition	0.47	
07 22 16 00-0185 SF >6" To 7" Average Thickness, Rigid Board Roofing Insulation Demolition	0.48	
07 22 16 00-0186 SF >7" To 8" Average Thickness, Rigid Board Roofing Insulation Demolition	0.49	
07 22 16 00-0187 SF >8" To 9" Average Thickness, Rigid Board Roofing Insulation Demolition	0.51	
07 22 16 00-0188 SF >9" To 10" Average Thickness, Rigid Board Roofing Insulation Demolition	0.52	
07 22 16 00-0189 SF >10" To 11" Average Thickness, Rigid Board Roofing Insulation Demolition	0.53	
07 22 16 00-0190 SF >11" To 12" Average Thickness, Rigid Board Roofing Insulation Demolition	0.54	

07 24 Exterior Insulation And Finish Systems (07 20)

07 24 13 Polymer-Based Exterior Insulation And Finish System (07 24)

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)

07 24 13 00-0003 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.28	
<i>For Up To 100, Add</i>	0.53	
<i>For >100 To 500, Add</i>	0.27	
<i>For >5,000, Deduct</i>	-0.11	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.38	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.66	
07 24 13 00-0004 SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.55	
<i>For Up To 100, Add</i>	0.53	
<i>For >100 To 500, Add</i>	0.27	
<i>For >5,000, Deduct</i>	-0.11	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.39	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.67	
07 24 13 00-0005 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.83	
<i>For Up To 100, Add</i>	0.53	
<i>For >100 To 500, Add</i>	0.27	
<i>For >5,000, Deduct</i>	-0.11	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.45	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.74	
07 24 13 00-0006 SF 2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.11	
<i>For Up To 100, Add</i>	0.53	
<i>For >100 To 500, Add</i>	0.27	
<i>For >5,000, Deduct</i>	-0.11	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.49	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.77	
07 24 13 00-0007 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.38	
<i>For Up To 100, Add</i>	0.53	
<i>For >100 To 500, Add</i>	0.27	
<i>For >5,000, Deduct</i>	-0.11	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.49	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.77	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.94	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.56	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.84	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	3.09	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	3.38	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	4.15	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	4.38	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	1.51	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	1.72	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	2.87	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	3.78	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	2.63	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	2.68	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	3.01	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	3.31	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.01	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0025 SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.31	
<i>For Up To 100, Add</i>	1.06	
<i>For >100 To 500, Add</i>	0.53	
<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0026 SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	2.72	
<i>For Up To 100, Add</i>	1.06	
<i>For >100 To 500, Add</i>	0.53	
<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0027 SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	3.04	
<i>For Up To 100, Add</i>	1.06	
<i>For >100 To 500, Add</i>	0.53	
<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0028 SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	5.69	
<i>For Up To 100, Add</i>	1.06	
<i>For >100 To 500, Add</i>	0.53	
<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0029 Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0030 SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	0.78	
<i>For Up To 100, Add</i>	0.30	
<i>For >100 To 500, Add</i>	0.15	
<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0031 SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	0.79	
<i>For Up To 100, Add</i>	0.30	
<i>For >100 To 500, Add</i>	0.15	
<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0033 SF Smooth, High Performance, Polymer-Based, Noncementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.03	
<i>For Up To 100, Add</i>	0.30	
<i>For >100 To 500, Add</i>	0.15	
<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0034 SF Texture, High Performance, Polymer-Based, Noncementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.24	
<i>For Up To 100, Add</i>	0.30	
<i>For >100 To 500, Add</i>	0.15	
<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0036 SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat).....	1.53	
<i>For Up To 100, Add</i>	0.33	
<i>For >100 To 500, Add</i>	0.17	
<i>For >5,000, Deduct</i>	-0.07	
07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0038 LF 1" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.17	
07 24 13 00-0039 LF 1-1/2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.33	
07 24 13 00-0040 LF 2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.52	
07 24 13 00-0041 LF 3" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.90	
07 24 13 00-0042 LF 1" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.33	
07 24 13 00-0043 LF 1-1/2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.52	
07 24 13 00-0044 LF 2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.70	
07 24 13 00-0045 LF 3" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.13	
07 24 13 00-0046 Demolition Of Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0047 SF Demolition Of Exterior Insulation Finishing Systems (EIFS).....	2.18	
Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
<i>For Up To 100, Add</i>	1.00	
<i>For >100 To 500, Add</i>	0.50	
<i>For >5,000, Deduct</i>	-0.20	

07 25 Weather Barriers (07)

07 26 Vapor Retarders (07 25)

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

07 26 13 00-0001 CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	19.23
07 26 13 00-0002 CSF Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex".....	18.14

07 Thermal And Moisture Protection**07 25 Weather Barriers****07 26 Vapor Retarders**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 26	13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute".....	21.64	
07 26	13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute".....	26.77	
07 26	13 00-0005	CSF	Red Rosin Sized Sheathing.....	16.95	
07 26	13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	57.77	
07 26	13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape.....	82.38	
07 26	13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape.....	115.72	
07 26	13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape.....	156.84	
07 26	13 00-0010	CSF	Building Wrap (Tyvek).....	45.82	

07 27 Air Barriers (07 25)**07 27 23 Board Product Air Barriers** (07 27)**07 27 23 00-0001 Barriers For Plenums** (07 27 23)

07 27 23 00-0002	SF	0.5" Thick Leadless Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	7.93	2.27
		For Up To 50, Add	2.97	
		For >50 To 200, Add	1.68	
		For >200 To 500, Add	0.62	
		For >2,500, Deduct	-0.40	
07 27 23 00-0003	SF	0.625" Thick Leadless Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	8.58	2.27
		For Up To 50, Add	3.24	
		For >50 To 200, Add	1.83	
		For >200 To 500, Add	0.67	
		For >2,500, Deduct	-0.43	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	3.17	1.51
		For Up To 50, Add	1.58	
		For >50 To 200, Add	0.87	
		For >200 To 500, Add	0.30	
		For >2,500, Deduct	-0.16	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	5.77	2.27
		For Up To 50, Add	2.82	
		For >50 To 200, Add	1.55	
		For >200 To 500, Add	0.53	
		For >2,500, Deduct	-0.29	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	4.29	1.51
		For Up To 50, Add	1.74	
		For >50 To 200, Add	0.98	
		For >200 To 500, Add	0.35	
		For >2,500, Deduct	-0.21	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	5.97	1.51
		For Up To 50, Add	1.90	
		For >50 To 200, Add	1.10	
		For >200 To 500, Add	0.42	
		For >2,500, Deduct	-0.30	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and 15 year warranty unless otherwise noted and all warranties are No Dollar Limit (NDL) to include labor, material and equipment.

07 31 Shingles And Shakes (07 30)**07 31 13 Asphalt Shingles** (07 31)**07 31 13 00-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** (07 31 13)

Note: Excludes underlayment, drip edges, and ridge vent.

07 31 13 00-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....	211.96	134.25
		For >50 To 75, Deduct	-3.59	
		For >75 To 100, Deduct	-9.34	
		For >100 To 200, Deduct	-15.99	
		For >200, Deduct	-24.79	
		For Steep Roof, Over 7 To 12, Add	39.07	
07 31 13 00-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25).....	222.28	140.99
		For >50 To 75, Deduct	-3.76	
		For >75 To 100, Deduct	-9.79	
		For >100 To 200, Deduct	-16.76	
		For >200, Deduct	-25.99	
		For Steep Roof, Over 7 To 12, Add	41.01	
07 31 13 00-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30).....	258.61	148.02
		For >50 To 75, Deduct	-4.96	
		For >75 To 100, Deduct	-12.04	
		For >100 To 200, Deduct	-20.37	
		For >200, Deduct	-30.82	
		For Steep Roof, Over 7 To 12, Add	43.08	

07 31 13 00-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13)

Note: Excludes underlayment, drip edges, and ridge vent.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0006 SQ 245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	264.02	171.39
<i>For >50 To 75, Deduct</i>	-4.33	
<i>For >75 To 100, Deduct</i>	-11.47	
<i>For >100 To 200, Deduct</i>	-19.69	
<i>For >200, Deduct</i>	-30.73	
<i>For Steep Roof, Over 7 To 12, Add</i>	49.85	
07 31 13 00-0007 SQ 240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	281.13	163.18
<i>For >50 To 75, Deduct</i>	-5.31	
<i>For >75 To 100, Deduct</i>	-13.00	
<i>For >100 To 200, Deduct</i>	-22.02	
<i>For >200, Deduct</i>	-33.42	
<i>For Steep Roof, Over 7 To 12, Add</i>	47.48	
07 31 13 00-0008 SQ 265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	304.26	179.96
<i>For >50 To 75, Deduct</i>	-5.63	
<i>For >75 To 100, Deduct</i>	-13.93	
<i>For >100 To 200, Deduct</i>	-23.65	
<i>For >200, Deduct</i>	-36.05	
<i>For Steep Roof, Over 7 To 12, Add</i>	52.36	
07 31 13 00-0009 SQ 235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	295.47	155.42
<i>For >50 To 75, Deduct</i>	-6.17	
<i>For >75 To 100, Deduct</i>	-14.32	
<i>For >100 To 200, Deduct</i>	-24.02	
<i>For >200, Deduct</i>	-35.71	
<i>For Steep Roof, Over 7 To 12, Add</i>	45.21	
07 31 13 00-0010 SQ 300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	330.65	188.97
<i>For >50 To 75, Deduct</i>	-6.36	
<i>For >75 To 100, Deduct</i>	-15.42	
<i>For >100 To 200, Deduct</i>	-26.07	
<i>For >200, Deduct</i>	-39.42	
<i>For Steep Roof, Over 7 To 12, Add</i>	54.96	
07 31 13 00-0011 SQ 300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	353.94	188.97
<i>For >50 To 75, Deduct</i>	-7.29	
<i>For >75 To 100, Deduct</i>	-17.05	
<i>For >100 To 200, Deduct</i>	-28.63	
<i>For >200, Deduct</i>	-42.68	
<i>For Steep Roof, Over 7 To 12, Add</i>	54.96	
07 31 13 00-0012 SQ 355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	386.34	208.30
<i>For >50 To 75, Deduct</i>	-7.88	
<i>For >75 To 100, Deduct</i>	-18.52	
<i>For >100 To 200, Deduct</i>	-31.13	
<i>For >200, Deduct</i>	-46.51	
<i>For Steep Roof, Over 7 To 12, Add</i>	60.61	
07 31 13 00-0013 SQ 340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	383.90	198.42
<i>For >50 To 75, Deduct</i>	-8.14	
<i>For >75 To 100, Deduct</i>	-18.76	
<i>For >100 To 200, Deduct</i>	-31.41	
<i>For >200, Deduct</i>	-46.53	
<i>For Steep Roof, Over 7 To 12, Add</i>	57.70	
07 31 13 00-0014 SQ 300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	382.58	188.97
<i>For >50 To 75, Deduct</i>	-8.43	
<i>For >75 To 100, Deduct</i>	-19.05	
<i>For >100 To 200, Deduct</i>	-31.78	
<i>For >200, Deduct</i>	-46.69	
<i>For Steep Roof, Over 7 To 12, Add</i>	54.96	
07 31 13 00-0015 SQ 355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	449.05	208.30
<i>For >50 To 75, Deduct</i>	-10.39	
<i>For >75 To 100, Deduct</i>	-22.91	
<i>For >100 To 200, Deduct</i>	-38.03	
<i>For >200, Deduct</i>	-55.29	
<i>For Steep Roof, Over 7 To 12, Add</i>	60.61	
07 31 13 00-0016 SQ 355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	465.38	208.30
<i>For >50 To 75, Deduct</i>	-11.04	
<i>For >75 To 100, Deduct</i>	-24.05	
<i>For >100 To 200, Deduct</i>	-39.83	
<i>For >200, Deduct</i>	-57.58	
<i>For Steep Roof, Over 7 To 12, Add</i>	60.61	
07 31 13 00-0017 SQ 480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	517.19	229.69
<i>For >50 To 75, Deduct</i>	-12.33	
<i>For >75 To 100, Deduct</i>	-26.81	
<i>For >100 To 200, Deduct</i>	-44.36	
<i>For >200, Deduct</i>	-64.05	
<i>For Steep Roof, Over 7 To 12, Add</i>	66.82	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	510.05	218.70
			<i>For >50 To 75, Deduct</i>	-12.45	
			<i>For >75 To 100, Deduct</i>	-26.75	
			<i>For >100 To 200, Deduct</i>	-44.17	
			<i>For >200, Deduct</i>	-63.45	
			<i>For Steep Roof, Over 7 To 12, Add</i>	63.64	
07 31 13 00-0019			Accessories (07 31 13)		
07 31 13 00-0020	LF		Hip And Ridge Roll Vent.....	4.76	0.81
			Note: Excludes shingles.		
07 31 13 00-0021	LF		Three Tab Hip And Ridge Shingles.....	2.94	2.00
07 31 13 00-0022	LF		Architectural Hip And Ridge Shingles.....	3.57	2.22
07 31 13 00-0023	SQ		Demolition Of Additional Layers Of Shingles.....	73.24	
07 31 16			Metal Shingles (07 31)		
07 31 16 00-0001			Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick.....	433.69	116.43
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick.....	577.61	127.25
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	7.73	1.68
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	8.05	1.68
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section For Above, 0.020" Thick.....	5.28	1.68
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section For Above, 0.030" Thick.....	5.93	1.68
07 31 16 00-0008			Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ		24 Gauge Steel Shingles, Galvanized.....	327.08	104.12
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-4.75	
			<i>For >75 To 100, Deduct</i>	-13.52	
			<i>For >100 To 200, Deduct</i>	-23.48	
			<i>For >200, Deduct</i>	-32.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	66.65	
07 31 16 00-0010	SQ		26 Gauge Steel Shingles, Galvanized.....	315.51	103.29
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-4.36	
			<i>For >75 To 100, Deduct</i>	-12.79	
			<i>For >100 To 200, Deduct</i>	-22.32	
			<i>For >200, Deduct</i>	-30.75	
			<i>For Steep Roof, Over 7 To 12, Add</i>	66.08	
07 31 16 00-0011	SQ		24 Gauge Steel Shingles, Galvanized And Bonderized.....	498.49	103.29
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-11.68	
			<i>For >75 To 100, Deduct</i>	-25.60	
			<i>For >100 To 200, Deduct</i>	-42.44	
			<i>For >200, Deduct</i>	-56.37	
			<i>For Steep Roof, Over 7 To 12, Add</i>	66.08	
07 31 16 00-0012	SQ		26 Gauge Steel Shingles, Galvanized And Bonderized.....	462.49	103.29
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-10.24	
			<i>For >75 To 100, Deduct</i>	-23.08	
			<i>For >100 To 200, Deduct</i>	-38.48	
			<i>For >200, Deduct</i>	-51.33	
			<i>For Steep Roof, Over 7 To 12, Add</i>	66.08	
07 31 16 00-0013	LF		Ridge Or Valley.....	5.23	1.39
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-0.10	
			<i>For >75 To 100, Deduct</i>	-0.24	
			<i>For >100 To 200, Deduct</i>	-0.41	
			<i>For >200, Deduct</i>	-0.56	
			<i>For Steep Roof, Over 7 To 12, Add</i>	0.87	
07 31 19			Mineral-Fiber Cement Shingles (07 31)		
07 31 19 00-0001	SQ		Mineral Fiber Strip Shingles, 14" X 30", 325 LB/SQ.....	436.30	69.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	44.70	
07 31 19 00-0002	SQ		Mineral Fiber, Shakes, 9.35" x 16", 500 LB/SQ.....	632.24	127.11
			<i>For Steep Roof, Over 7 To 12, Add</i>	81.35	
07 31 19 00-0003	SQ		Mineral Fiber, Hexagonal Shape, 16" X 16", per SQ.....	441.68	93.24
			<i>For Steep Roof, Over 7 To 12, Add</i>	59.66	
07 31 19 00-0004	SQ		Mineral Fiber, Square, 16" X 16", per SQ.....	414.09	93.24
			<i>For Steep Roof, Over 7 To 12, Add</i>	59.66	
07 31 19 00-0005	CLF		Mineral Fiber, Strip Shingles, Starters, 8" x 30", 255 LB Per 100 LF.....	332.69	93.24
07 31 19 00-0006	CLF		Mineral Fiber, Hip And Ridge Shingles, 4-3/4" x 14", 380 LB Per 100 LF.....	1,082.98	279.36
07 31 19 00-0007	CLF		Mineral Fiber, Hip And Ridge Shingles, 5-3/8" X 14", per 100 LF.....	1,131.27	279.36



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 31 26 Slate Shingles (07 31)

Note: Includes 30 LB felt and fasteners.

07 31 26 00-0001	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,018.75	177.62
		For >50 To 75, Deduct	-24.96	
		For >75 To 100, Deduct	-53.55	
		For >100 To 200, Deduct	-88.38	
		For >200, Deduct	-116.97	
		For Graduated Shapes, Add	93.61	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,193.74	177.62
		For >50 To 75, Deduct	-31.96	
		For >75 To 100, Deduct	-65.80	
		For >100 To 200, Deduct	-107.63	
		For >200, Deduct	-141.47	
		For Graduated Shapes, Add	119.86	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0003	SQ	Slate Shingles, Penn Black Bangor	1,141.24	177.62
		For >50 To 75, Deduct	-29.86	
		For >75 To 100, Deduct	-62.13	
		For >100 To 200, Deduct	-101.86	
		For >200, Deduct	-134.12	
		For Graduated Shapes, Add	111.98	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0004	SQ	Slate Shingles, Vermont, Unfading Colors, Green.....	1,158.74	177.62
		For >50 To 75, Deduct	-30.56	
		For >75 To 100, Deduct	-63.35	
		For >100 To 200, Deduct	-103.78	
		For >200, Deduct	-136.57	
		For Graduated Shapes, Add	114.61	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,228.74	177.62
		For >50 To 75, Deduct	-33.36	
		For >75 To 100, Deduct	-68.25	
		For >100 To 200, Deduct	-111.48	
		For >200, Deduct	-146.37	
		For Graduated Shapes, Add	125.11	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,141.24	177.62
		For >50 To 75, Deduct	-29.86	
		For >75 To 100, Deduct	-62.13	
		For >100 To 200, Deduct	-101.86	
		For >200, Deduct	-134.12	
		For Graduated Shapes, Add	111.98	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,088.74	177.62
		For >50 To 75, Deduct	-27.76	
		For >75 To 100, Deduct	-58.45	
		For >100 To 200, Deduct	-96.08	
		For >200, Deduct	-126.77	
		For Graduated Shapes, Add	104.11	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Red.....	2,182.25	177.62
		For >50 To 75, Deduct	-71.50	
		For >75 To 100, Deduct	-135.00	
		For >100 To 200, Deduct	-216.37	
		For >200, Deduct	-279.86	
		For Graduated Shapes, Add	268.14	
		For Steep Roof, Over 7 To 12, Add	126.30	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple.....	1,141.24	177.62
		For >50 To 75, Deduct	-29.86	
		For >75 To 100, Deduct	-62.13	
		For >100 To 200, Deduct	-101.86	
		For >200, Deduct	-134.12	
		For Graduated Shapes, Add	111.98	
		For Steep Roof, Over 7 To 12, Add	126.30	

07 31 29 Wood Shingles And Shakes (07 31)

07 31 29 13 Wood Shingles (07 31 29)

07 31 29 13-0001	#1 Grade, Red Cedar Shingles (07 31 29 13)			
07 31 29 13-0002	#1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)			
07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	533.71	151.22
		For Steep Roof, Over 7 To 12, Add	96.78	
		For CCA Treated, Add	34.69	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	388.72	113.41
		For Steep Roof, Over 7 To 12, Add	72.59	
		For CCA Treated, Add	24.28	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	470.99	128.54
		For Steep Roof, Over 7 To 12, Add	82.26	
		For CCA Treated, Add	32.09	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0006	SQ		5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	386.05 67.75 26.15	105.85
07 31 29 13-0007	SQ		5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	491.79 64.12 43.71	100.18
07 31 29 13-0008	SQ		7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	384.32 54.44 32.13	85.06
07 31 29 13-0009			#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall <i>For CCA Treated, Add</i>	387.83 17.35	136.10
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall <i>For CCA Treated, Add</i>	377.31 18.04	128.54
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall <i>For CCA Treated, Add</i>	376.05 22.95	111.53
07 31 29 13-0013			#2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014			#2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	504.36 101.62 28.02	158.78
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	450.76 91.94 24.52	143.66
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	476.25 91.94 28.34	143.66
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	425.15 82.26 25.21	128.54
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	403.69 64.12 30.50	100.18
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	332.26 55.65 23.75	86.96
07 31 29 13-0021			#2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall <i>For CCA Treated, Add</i>	380.71 14.01	143.66
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall <i>For CCA Treated, Add</i>	366.66 14.17	136.10
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall <i>For CCA Treated, Add</i>	348.69 16.01	120.97
07 31 29 16			Wood Shakes (07 31 29)		
07 31 29 16-0001			#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002			#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	395.17 78.63 22.42	122.86
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	444.98 78.63 29.89	122.86
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	405.85 64.12 30.82	100.18
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	427.02 64.12 34.00	100.18
07 31 29 16-0007			#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	414.07 22.42	132.32
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	463.88 29.89	132.32
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	432.31 30.82	113.41
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	453.48 34.00	113.41
07 31 29 17			Wood Hip And Ridge Cap (07 31 29)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 17-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes <small>(07 31 29 17)</small>		
07 31 29 17-0002 LF Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes.....	6.24	0.99
<i>For Steep Roof, Over 7 To 12, Add</i>	<i>0.74</i>	
<i>For CCA Treated Ridge, Add</i>	<i>0.59</i>	
 07 31 33 Composite Rubber Shingles <small>(07 31)</small>		
07 31 33 00-0001 SQ Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	720.13	156.02
Note: Gray or black.		
<i>For Purple Or Green Color, Add</i>	<i>65.30</i>	
<i>For Brown Or Red Color, Add</i>	<i>167.33</i>	
<i>For Steep Roof, Over 7 To 12, Add</i>	<i>99.84</i>	
<i>For >50 To 75, Deduct</i>	<i>-10.20</i>	
<i>For >75 To 100, Deduct</i>	<i>-28.21</i>	
<i>For >100 To 200, Deduct</i>	<i>-46.21</i>	
<i>For >200, Deduct</i>	<i>-72.01</i>	
<i>For 6.5" Exposure, Add</i>	<i>49.95</i>	
<i>For 6.0" Exposure, Add</i>	<i>99.90</i>	
07 31 33 00-0002 SQ Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	992.21	156.02
Note: Fire resistant. Gray or black.		
<i>For Purple, Green, Brown Or Red, Add</i>	<i>102.03</i>	
<i>For Steep Roof, Over 7 To 12, Add</i>	<i>99.84</i>	
<i>For >50 To 75, Deduct</i>	<i>-17.01</i>	
<i>For >75 To 100, Deduct</i>	<i>-41.81</i>	
<i>For >100 To 200, Deduct</i>	<i>-66.62</i>	
<i>For >200, Deduct</i>	<i>-99.22</i>	
<i>For 6.5" Exposure, Add</i>	<i>69.39</i>	
<i>For 6.0" Exposure, Add</i>	<i>138.77</i>	
07 31 33 00-0003 SQ Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	832.17	156.02
Note: Beaver tail, chisel point or beveled edges. Gray or black.		
<i>For Purple, Green, Brown Or Red, Add</i>	<i>187.26</i>	
<i>For Steep Roof, Over 7 To 12, Add</i>	<i>99.84</i>	
<i>For >50 To 75, Deduct</i>	<i>-13.00</i>	
<i>For >75 To 100, Deduct</i>	<i>-33.81</i>	
<i>For >100 To 200, Deduct</i>	<i>-54.61</i>	
<i>For >200, Deduct</i>	<i>-83.22</i>	
<i>For 6.5" Exposure, Add</i>	<i>57.96</i>	
<i>For 6.0" Exposure, Add</i>	<i>115.91</i>	
07 31 33 00-0004 SQ Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	1,048.23	156.02
Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
<i>For Purple, Green, Brown Or Red, Add</i>	<i>80.98</i>	
<i>For Steep Roof, Over 7 To 12, Add</i>	<i>99.84</i>	
<i>For >50 To 75, Deduct</i>	<i>-18.41</i>	
<i>For >75 To 100, Deduct</i>	<i>-44.61</i>	
<i>For >100 To 200, Deduct</i>	<i>-70.82</i>	
<i>For >200, Deduct</i>	<i>-104.82</i>	
<i>For 6.5" Exposure, Add</i>	<i>73.39</i>	
<i>For 6.0" Exposure, Add</i>	<i>146.77</i>	
07 31 33 00-0005 LF Hip Or Ridge Polymeric Rubber Slate Shingle.....	11.99	1.04
Note: Beveled or pointed edges, gray or black.		
 07 32 Roof Tiles <small>(07 30)</small>		
07 32 13 Clay Roof Tiles <small>(07 32)</small>		
Note: 8-1/4" x 11" exposure. Includes mortar, fasteners, felt underlayment and 90# cap sheet.		
07 32 13 00-0001 SQ Lanai Or Classic Tile, 158 Piece Per SQ	903.30	168.45
<i>For >25 To 50, Deduct</i>	<i>-33.98</i>	
<i>For >50 To 75, Deduct</i>	<i>-65.06</i>	
<i>For >75 To 100, Deduct</i>	<i>-90.47</i>	
<i>For >100 To 200, Deduct</i>	<i>-110.22</i>	
<i>For >200, Deduct</i>	<i>-124.31</i>	
<i>For 20 Year Warranty, Add</i>	<i>39.65</i>	
07 32 13 00-0002 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,088.24	168.45
<i>For >25 To 50, Deduct</i>	<i>-45.08</i>	
<i>For >50 To 75, Deduct</i>	<i>-83.55</i>	
<i>For >75 To 100, Deduct</i>	<i>-114.52</i>	
<i>For >100 To 200, Deduct</i>	<i>-137.97</i>	
<i>For >200, Deduct</i>	<i>-153.90</i>	
<i>For 20 Year Warranty, Add</i>	<i>52.59</i>	
07 32 13 00-0003 SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,088.24	168.45
<i>For >25 To 50, Deduct</i>	<i>-45.08</i>	
<i>For >50 To 75, Deduct</i>	<i>-83.55</i>	
<i>For >75 To 100, Deduct</i>	<i>-114.52</i>	
<i>For >100 To 200, Deduct</i>	<i>-137.97</i>	
<i>For >200, Deduct</i>	<i>-153.90</i>	
<i>For 20 Year Warranty, Add</i>	<i>52.59</i>	
07 32 13 00-0004 SQ Americana (Blue) Tile, 158 Piece Per SQ.....	1,245.15	168.45
<i>For >25 To 50, Deduct</i>	<i>-54.49</i>	
<i>For >50 To 75, Deduct</i>	<i>-99.24</i>	
<i>For >75 To 100, Deduct</i>	<i>-134.91</i>	
<i>For >100 To 200, Deduct</i>	<i>-161.50</i>	
<i>For >200, Deduct</i>	<i>-179.01</i>	
<i>For 20 Year Warranty, Add</i>	<i>63.57</i>	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0005 SQ French Tile Roofing, Red, 133 Piece Per SQ	1,077.69	205.96
For >25 To 50, Deduct	-39.95	
For >50 To 75, Deduct	-76.88	
For >75 To 100, Deduct	-107.15	
For >100 To 200, Deduct	-130.76	
For >200, Deduct	-147.72	
For 20 Year Warranty, Add	46.61	
07 32 13 00-0006 SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,353.73	205.96
For >25 To 50, Deduct	-56.51	
For >50 To 75, Deduct	-104.48	
For >75 To 100, Deduct	-143.03	
For >100 To 200, Deduct	-172.17	
For >200, Deduct	-191.88	
For 20 Year Warranty, Add	65.93	
07 32 13 00-0007 SQ Norman Tile Roofing, 317 Piece Per SQ	1,727.13	277.85
For >25 To 50, Deduct	-70.30	
For >50 To 75, Deduct	-131.05	
For >75 To 100, Deduct	-180.08	
For >100 To 200, Deduct	-217.40	
For >200, Deduct	-243.01	
For 20 Year Warranty, Add	82.01	
07 32 13 00-0008 SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	939.59	205.96
For >25 To 50, Deduct	-31.66	
For >50 To 75, Deduct	-63.07	
For >75 To 100, Deduct	-89.19	
For >100 To 200, Deduct	-110.05	
For >200, Deduct	-125.62	
For 20 Year Warranty, Add	36.94	
07 32 13 00-0009 SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,163.20	205.96
For >25 To 50, Deduct	-45.08	
For >50 To 75, Deduct	-85.43	
For >75 To 100, Deduct	-118.26	
For >100 To 200, Deduct	-143.59	
For >200, Deduct	-161.40	
For 20 Year Warranty, Add	52.59	
07 32 13 00-0010 SQ Spanish Tile Roofing, Red, 171 Piece Per SQ	807.57	154.20
For >25 To 50, Deduct	-29.95	
For >50 To 75, Deduct	-57.62	
For >75 To 100, Deduct	-80.31	
For >100 To 200, Deduct	-98.00	
For >200, Deduct	-110.70	
For 20 Year Warranty, Add	34.94	
07 32 13 00-0011 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,048.54	154.20
For >25 To 50, Deduct	-44.41	
For >50 To 75, Deduct	-81.72	
For >75 To 100, Deduct	-111.63	
For >100 To 200, Deduct	-134.15	
For >200, Deduct	-149.26	
For 20 Year Warranty, Add	51.81	
07 32 13 00-0012 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,255.89	154.20
For >25 To 50, Deduct	-56.85	
For >50 To 75, Deduct	-102.46	
For >75 To 100, Deduct	-138.59	
For >100 To 200, Deduct	-165.25	
For >200, Deduct	-182.44	
For 20 Year Warranty, Add	66.32	
07 32 13 00-0013 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ	1,514.95	241.73
For >25 To 50, Deduct	-61.89	
For >50 To 75, Deduct	-115.24	
For >75 To 100, Deduct	-158.27	
For >100 To 200, Deduct	-190.98	
For >200, Deduct	-213.39	
For 20 Year Warranty, Add	72.21	
07 32 13 00-0014 SQ One Piece Mission Tile Roofing, 75 Piece Per SQ	662.33	168.45
For >25 To 50, Deduct	-19.52	
For >50 To 75, Deduct	-40.96	
For >75 To 100, Deduct	-59.15	
For >100 To 200, Deduct	-74.08	
For >200, Deduct	-85.76	
For 20 Year Warranty, Add	22.78	
07 32 13 00-0015 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ	884.50	241.73
For >25 To 50, Deduct	-24.06	
For >50 To 75, Deduct	-52.19	
For >75 To 100, Deduct	-76.31	
For >100 To 200, Deduct	-96.42	
For >200, Deduct	-112.51	
For 20 Year Warranty, Add	28.07	

07 32 16 Concrete Roof Tiles (07 32)

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)

Note: Includes 30 lb felt underlayment.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	700.92	255.34
For >50 To 75, Deduct	-7.61	
For >75 To 100, Deduct	-26.08	
For >100 To 200, Deduct	-46.46	
For >200, Deduct	-64.93	
For Steep Roof, Over 7 To 12, Add	163.44	
07 32 16 00-0003 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated.....	899.36	255.34
For >50 To 75, Deduct	-15.54	
For >75 To 100, Deduct	-39.97	
For >100 To 200, Deduct	-68.28	
For >200, Deduct	-92.71	
For Steep Roof, Over 7 To 12, Add	163.44	
07 32 16 00-0004 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated.....	740.61	255.34
For >50 To 75, Deduct	-9.19	
For >75 To 100, Deduct	-28.86	
For >100 To 200, Deduct	-50.82	
For >200, Deduct	-70.49	
For Steep Roof, Over 7 To 12, Add	163.44	
07 32 16 00-0005 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes.....	696.76	228.46
For >50 To 75, Deduct	-9.59	
For >75 To 100, Deduct	-28.21	
For >100 To 200, Deduct	-49.22	
For >200, Deduct	-67.84	
For Steep Roof, Over 7 To 12, Add	146.24	
07 32 16 00-0006 Accessories (07 32 16)		
07 32 16 00-0007 EA Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof.....	3.35	
07 32 16 00-0008 EA Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof.....	2.20	
07 32 16 00-0009 EA Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof.....	3.33	
07 32 16 00-0010 EA Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof.....	3.81	
07 32 16 00-0011 EA 3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof.....	3.97	

07 34 Roofing Underlayment (07 34)

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)

Note: Standard slope.		
07 34 00 00-0002 SQ 15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	18.67	5.03
For Steep Roof, Over 7 To 12, Add	3.22	
For >50 To 75, Deduct	-0.34	
For >75 To 100, Deduct	-0.85	
For >100 To 200, Deduct	-1.45	
For >200, Deduct	-2.21	
07 34 00 00-0003 SQ 30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	28.22	6.91
For Steep Roof, Over 7 To 12, Add	4.42	
For >50 To 75, Deduct	-0.58	
For >75 To 100, Deduct	-1.35	
For >100 To 200, Deduct	-2.28	
For >200, Deduct	-3.40	
07 34 00 00-0004 SQ 30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened.....	30.93	6.91
For Steep Roof, Over 7 To 12, Add	4.42	
For >50 To 75, Deduct	-0.68	
For >75 To 100, Deduct	-1.54	
For >100 To 200, Deduct	-2.57	
For >200, Deduct	-3.78	
07 34 00 00-0005 SQ Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	36.33	10.48
For Steep Roof, Over 7 To 12, Add	6.71	
For >50 To 75, Deduct	-0.61	
For >75 To 100, Deduct	-1.60	
For >100 To 200, Deduct	-2.74	
For >200, Deduct	-4.25	
07 34 00 00-0006 SQ 17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	39.54	10.48
For Steep Roof, Over 7 To 12, Add	6.71	
For >50 To 75, Deduct	-0.74	
For >75 To 100, Deduct	-1.82	
For >100 To 200, Deduct	-3.09	
For >200, Deduct	-4.70	
07 34 00 00-0007 SQ 25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	44.83	10.48
For Steep Roof, Over 7 To 12, Add	6.71	
For >50 To 75, Deduct	-0.95	
For >75 To 100, Deduct	-2.19	
For >100 To 200, Deduct	-3.67	
For >200, Deduct	-5.44	
07 34 00 00-0008 SQ 30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	42.18	10.48
For Steep Roof, Over 7 To 12, Add	6.71	
For >50 To 75, Deduct	-0.85	
For >75 To 100, Deduct	-2.01	
For >100 To 200, Deduct	-3.38	
For >200, Deduct	-5.07	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 34 00 00-0009	Self-Adhering, Roofing Underlayment <small>(07 34)</small> Note: Standard slope.		
07 34 00 00-0010	SQ 48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	69.30	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-1.76	
	For >75 To 100, Deduct	-3.71	
	For >100 To 200, Deduct	-6.10	
	For >200, Deduct	-8.69	
07 34 00 00-0011	SQ 60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	99.96	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-2.98	
	For >75 To 100, Deduct	-5.85	
	For >100 To 200, Deduct	-9.47	
	For >200, Deduct	-12.98	
07 34 00 00-0012	SQ 53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	73.09	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-1.91	
	For >75 To 100, Deduct	-3.97	
	For >100 To 200, Deduct	-6.52	
	For >200, Deduct	-9.22	
07 34 00 00-0013	SQ 65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	69.30	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-1.76	
	For >75 To 100, Deduct	-3.71	
	For >100 To 200, Deduct	-6.10	
	For >200, Deduct	-8.69	
07 34 00 00-0014	SQ 45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	95.54	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-2.81	
	For >75 To 100, Deduct	-5.54	
	For >100 To 200, Deduct	-8.99	
	For >200, Deduct	-12.36	
07 34 00 00-0015	SQ 25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	81.69	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-2.25	
	For >75 To 100, Deduct	-4.58	
	For >100 To 200, Deduct	-7.46	
	For >200, Deduct	-10.42	
07 34 00 00-0016	SQ 40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	117.39	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-3.68	
	For >75 To 100, Deduct	-7.07	
	For >100 To 200, Deduct	-11.39	
	For >200, Deduct	-15.42	
07 34 00 00-0017	SQ 40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	133.03	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-4.31	
	For >75 To 100, Deduct	-8.17	
	For >100 To 200, Deduct	-13.11	
	For >200, Deduct	-17.61	
07 34 00 00-0018	SQ 30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	191.71	12.71
	For Steep Roof, Over 7 To 12, Add	8.13	
	For >50 To 75, Deduct	-6.65	
	For >75 To 100, Deduct	-12.28	
	For >100 To 200, Deduct	-19.56	
	For >200, Deduct	-25.82	

07 40 Roofing And Siding Panels (07)

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

07 41 Roof Panels (07 40)

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

07 41 13 Metal Roof Panels (07 41)**07 41 13 00-0001 Exposed Fastener Metal Roofing** (07 41 13)

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

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)**07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels** (07 41 13 00-0002)

07 41 13 00-0004	SF 18 Gauge Galvanized Exposed Fastener Metal Roof Panels	5.98	0.69
	For Fluoropolymer (Kynar) Coating, Add	0.59	
	For Steep Roof, Over 7 To 12, Add	0.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0005 SF 20 Gauge Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.46 0.59 0.98	0.69
07 41 13 00-0006 SF 22 Gauge Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.10 0.59 0.98	0.69
07 41 13 00-0007 SF 24 Gauge Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.74 0.59 0.98	0.69
07 41 13 00-0008 SF 26 Gauge Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.45 0.59 0.98	0.69
07 41 13 00-0009 SF 29 Gauge Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.19 0.59 0.98	0.69
07 41 13 00-0010 SF 30 Gauge Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.09 0.59 0.98	0.69
07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002) See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012 LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	29.04 3.87 1.69	3.05
07 41 13 00-0013 LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	22.14 3.87 1.00	3.05
07 41 13 00-0014 LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	35.70 3.87 2.36	3.05
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	29.64 3.87 1.75	3.05
07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)		
07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)		
07 41 13 00-0018 SF 0.0155" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	3.94 0.59 0.98	0.69
07 41 13 00-0019 SF 0.018" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.08 0.59 0.98	0.69
07 41 13 00-0020 SF 0.024" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.43 0.59 0.98	0.69
07 41 13 00-0021 SF 0.032" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.89 0.59 0.98	0.69
07 41 13 00-0022 SF 0.040" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.35 0.59 0.98	0.69
07 41 13 00-0023 SF 0.050" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.92 0.59 0.98	0.69
07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)		
07 41 13 00-0025 LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	28.63 2.44 2.10	3.05
07 41 13 00-0026 LF Eave Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	20.01 2.44 1.24	3.05
07 41 13 00-0027 LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	36.95 2.44 2.93	3.05
07 41 13 00-0028 LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	29.39 2.44 2.18	3.05
07 41 13 00-0029 Standing Seam Roofs (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0030			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0031			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.75	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.33	
			For 140 MPH Wind Load, Add	0.56	
			For Up To 1,500, Add	2.94	
			For >1,500 To 5,000, Add	1.76	
			For >5,000 To 10,000, Add	0.29	
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.48	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.37	
			For 140 MPH Wind Load, Add	0.57	
			For Up To 1,500, Add	3.12	
			For >1,500 To 5,000, Add	1.87	
			For >5,000 To 10,000, Add	0.31	
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.11	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.30	
			For 140 MPH Wind Load, Add	0.54	
			For Up To 1,500, Add	2.78	
			For >1,500 To 5,000, Add	1.67	
			For >5,000 To 10,000, Add	0.28	
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.36	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.31	
			For 140 MPH Wind Load, Add	0.55	
			For Up To 1,500, Add	2.84	
			For >1,500 To 5,000, Add	1.70	
			For >5,000 To 10,000, Add	0.28	
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.65	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.33	
			For 140 MPH Wind Load, Add	0.56	
			For Up To 1,500, Add	2.91	
			For >1,500 To 5,000, Add	1.75	
			For >5,000 To 10,000, Add	0.29	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.71	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.38	
			For 140 MPH Wind Load, Add	0.58	
			For Up To 1,500, Add	3.18	
			For >1,500 To 5,000, Add	1.91	
			For >5,000 To 10,000, Add	0.32	
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.73	4.84
			For Steep Roof, Over 6 To 12, Add	3.63	
			For 140 MPH Wind Load, Add	1.58	
07 41 13 00-0040	LF		Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	23.15	4.84
			For Steep Roof, Over 6 To 12, Add	3.63	
			For 140 MPH Wind Load, Add	1.43	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	38.05	4.84
			For Steep Roof, Over 6 To 12, Add	3.63	
			For 140 MPH Wind Load, Add	1.73	
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.40	4.84
			For Steep Roof, Over 6 To 12, Add	3.63	
			For 140 MPH Wind Load, Add	1.60	
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	12.26	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.36	
			For 140 MPH Wind Load, Add	0.57	
			For Up To 1,500, Add	3.07	
			For >1,500 To 5,000, Add	1.84	
			For >5,000 To 10,000, Add	0.31	
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	12.88	1.61
			For Steep Roof, Over 6 To 12, Add	1.21	
			For Panels <16" Wide, Add	1.39	
			For 140 MPH Wind Load, Add	0.58	
			For Up To 1,500, Add	3.22	
			For >1,500 To 5,000, Add	1.93	
			For >5,000 To 10,000, Add	0.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	11.91	1.61
<i>For Steep Roof, Over 6 To 12, Add</i>	1.21	
<i>For Panels <16" Wide, Add</i>	1.34	
<i>For 140 MPH Wind Load, Add</i>	0.56	
<i>For Up To 1,500, Add</i>	2.98	
<i>For >1,500 To 5,000, Add</i>	1.79	
<i>For >5,000 To 10,000, Add</i>	0.30	
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	13.04	1.61
<i>For Steep Roof, Over 6 To 12, Add</i>	1.21	
<i>For Panels <16" Wide, Add</i>	1.40	
<i>For 140 MPH Wind Load, Add</i>	0.58	
<i>For Up To 1,500, Add</i>	3.26	
<i>For >1,500 To 5,000, Add</i>	1.96	
<i>For >5,000 To 10,000, Add</i>	0.33	
07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	35.22	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	1.67	
07 41 13 00-0051 LF Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	25.74	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	1.48	
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	44.37	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	1.86	
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	36.06	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	1.69	
07 41 13 00-0054 Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055 Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	31.22	2.42
<i>For Steep Roof, Over 6 To 12, Add</i>	1.82	
<i>For Panels <16" Wide, Add</i>	2.68	
<i>For 140 MPH Wind Load, Add</i>	1.11	
<i>For Up To 1,500, Add</i>	7.81	
<i>For >1,500 To 5,000, Add</i>	4.68	
<i>For >5,000 To 10,000, Add</i>	0.78	
07 41 13 00-0057 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	37.51	2.42
<i>For Steep Roof, Over 6 To 12, Add</i>	1.82	
<i>For Panels <16" Wide, Add</i>	2.99	
<i>For 140 MPH Wind Load, Add</i>	1.23	
<i>For Up To 1,500, Add</i>	9.38	
<i>For >1,500 To 5,000, Add</i>	5.63	
<i>For >5,000 To 10,000, Add</i>	0.94	
07 41 13 00-0058 Accessories For Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0059 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	93.70	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	2.84	
07 41 13 00-0060 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	54.18	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	2.05	
07 41 13 00-0061 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	131.07	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	3.59	
07 41 13 00-0062 LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	96.65	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	3.63	
<i>For 140 MPH Wind Load, Add</i>	2.90	
07 41 13 00-0063 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0064 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0065 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	23.81	2.42
<i>For Steep Roof, Over 6 To 12, Add</i>	1.82	
<i>For Panels <16" Wide, Add</i>	2.31	
<i>For 140 MPH Wind Load, Add</i>	0.96	
<i>For Up To 1,500, Add</i>	5.95	
<i>For >1,500 To 5,000, Add</i>	3.57	
<i>For >5,000 To 10,000, Add</i>	0.60	
07 41 13 00-0066 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	27.59	2.42
<i>For Steep Roof, Over 6 To 12, Add</i>	1.82	
<i>For Panels <16" Wide, Add</i>	2.50	
<i>For 140 MPH Wind Load, Add</i>	1.04	
<i>For Up To 1,500, Add</i>	6.90	
<i>For >1,500 To 5,000, Add</i>	4.14	
<i>For >5,000 To 10,000, Add</i>	0.69	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0067	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	32.07 1.82 2.72 1.13 8.02 4.81 0.80	2.42
07 41 13 00-0068	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	37.81 1.82 3.01 1.24 9.45 5.67 0.95	2.42
07 41 13 00-0069			Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0070	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	82.99 4.09 2.75	4.84
07 41 13 00-0071	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	49.40 4.09 2.08	4.84
07 41 13 00-0072	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	114.75 4.09 3.39	4.84
07 41 13 00-0073	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	85.50 4.09 2.80	4.84
07 41 13 00-0074			Metal Roof Surfacing (07 41 13)		
07 41 13 00-0075	SF		Acrylic, Metal Roof Primer, Price Per Coat <i>For Steep Roof, Over 7 To 12, Add</i>	0.28 0.05	
07 41 13 00-0076	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, Price Per Coat Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	0.40 0.05	
07 41 33			Plastic Roof Panels (07 41)		
07 41 33 00-0001			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	3.63	1.40
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	3.42	1.26
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	3.73	1.40
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	3.50	1.26
07 41 33 00-0007			Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim.....	2.34	1.04
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim.....	3.05	1.04
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket.....	3.25	1.04
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket.....	2.70	1.04
07 41 33 00-0012			Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013			Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel.....	3.96	1.12
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel.....	4.52	1.12
07 42			Wall Panels (07 40)		
07 42 13			Metal Wall Panels (07 42)		
07 42 13 19			Insulated Metal Wall Panels (07 42 13)		
07 42 13 19-0001			Insulated Panels For Sash/Window Replacement (07 42 13 19) Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF		1" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	14.02 -1.98	3.02
07 42 13 19-0003	SF		1-1/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	15.21 -2.12	3.40
07 42 13 19-0004	SF		1-3/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	16.28 -2.25	3.78
07 42 13 19-0005	SF		2-1/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	17.42 -2.39	3.94
07 42 13 19-0006	SF		3-1/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	19.70 -2.78	4.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 19-0007	SF			4-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	22.77 -3.33	4.76
07 42 13 23 Metal Composite Material Wall Panels (07 42 13)						
07 42 13 23-0001				24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <small>(07 42 13 23)</small> Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF			2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	12.77 0.24	1.76
				<i>For Premium Exterior Colors, Add</i>	0.12	
07 42 13 23-0003	SF			2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	14.40 0.24	1.98
				<i>For Premium Exterior Colors, Add</i>	0.12	
07 42 13 23-0004	SF			3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	15.80 0.24	2.25
				<i>For Premium Exterior Colors, Add</i>	0.12	
07 42 13 23-0005	SF			4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	17.78 0.24	2.97
				<i>For Premium Exterior Colors, Add</i>	0.12	
07 42 63 Fabricated Wall Panel Assemblies (07 42)						
07 42 63 00-0001				Insulated Freezer And Chiller Panels <small>(07 42 63)</small> Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002				Polyurethane Sandwich Panel <small>(07 42 63 00-0001)</small> Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF			2" 22 Gauge Freezer Panel Sheet Metal Both Faces	15.41	1.27
07 42 63 00-0004	SF			3" 22 Gauge Freezer Panel Sheet Metal Both Faces	16.33	1.27
07 42 63 00-0005	SF			4" 22 Gauge Freezer Panel Sheet Metal Both Faces	19.46	1.27
07 42 63 00-0006	SF			5" 22 Gauge Freezer Panel Sheet Metal Both Faces	21.08	1.35
07 42 63 00-0007	SF			6" 22 Gauge Freezer Panel Sheet Metal Both Faces	22.39	1.35
07 42 63 00-0008	SF			2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	13.82	1.05
07 42 63 00-0009	SF			3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	15.05	1.05
07 42 63 00-0010	SF			4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	18.17	1.12
07 42 63 00-0011	SF			5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	17.60	1.12
07 42 63 00-0012	SF			6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	20.75	1.12
07 42 63 00-0013				Polyurethane Sandwich Panel <small>(07 42 63 00-0001)</small> Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF			2" Freezer Panel 0.040" Aluminum Finish Both Faces	9.41	1.27
07 42 63 00-0015	SF			3" Freezer Panel 0.040" Aluminum Finish Both Faces	10.03	1.27
07 42 63 00-0016	SF			4" Freezer Panel 0.040" Aluminum Finish Both Faces	11.66	1.27
07 42 63 00-0017	SF			5" Freezer Panel 0.040" Aluminum Finish Both Faces	12.68	1.35
07 42 63 00-0018	SF			6" Freezer Panel 0.040" Aluminum Finish Both Faces	13.39	1.35
07 42 63 00-0019	SF			2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	8.42	1.05
07 42 63 00-0020	SF			3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.05	1.05
07 42 63 00-0021	SF			4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.72	1.12
07 42 63 00-0022	SF			5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	11.34	1.12
07 42 63 00-0023	SF			6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.35	1.12
07 46 Siding (07 40)						
07 46 16 Aluminum Siding (07 46)						
Note: Includes all necessary furring strips, trim for corners, windows and doors.						
07 46 16 00-0001				Aluminum Coil Stock Cladding <small>(07 46 16)</small> Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF			Aluminum Cladding, 0.016" Thick	6.68	2.63
07 46 16 00-0003	SF			Aluminum Cladding, 0.019" Thick	6.72	2.63
07 46 16 00-0004	SF			Aluminum Cladding, 0.024" Thick	6.79	2.63
07 46 16 00-0005				Aluminum Siding Panels For Structural Steel Framing <small>(07 46 16)</small> Note: Includes fasteners.		
07 46 16 00-0006				Corrugated <small>(07 46 16 00-0005)</small>		
07 46 16 00-0007	SF			0.019" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	3.90	1.52
07 46 16 00-0008	SF			0.021" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	4.02	1.52
07 46 16 00-0009	SF			0.024" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	4.30	1.52
07 46 16 00-0010	SF			0.032" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	4.78	1.52
07 46 16 00-0011	SF			0.019" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners	4.13	1.52
07 46 16 00-0012	SF			0.021" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners	4.24	1.52

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0013	SF		0.024" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	4.56	1.52
07 46 16 00-0014	SF		0.032" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	5.19	1.52
07 46 16 00-0015			V- Beam <small>(07 46 16 00-0005)</small>		
07 46 16 00-0016	SF		0.032" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	4.80	1.52
07 46 16 00-0017	SF		0.040" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	5.05	1.52
07 46 16 00-0018	SF		0.050" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	5.37	1.52
07 46 16 00-0019	SF		0.032" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	5.16	1.52
07 46 16 00-0020	SF		0.040" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	5.59	1.52
07 46 16 00-0021	SF		0.050" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	6.59	1.52
07 46 16 00-0022			Rib <small>(07 46 16 00-0005)</small>		
07 46 16 00-0023	SF		0.032" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	5.12	1.52
07 46 16 00-0024	SF		0.040" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	5.37	1.52
07 46 16 00-0025	SF		0.050" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	5.70	1.52
07 46 16 00-0026	SF		0.032" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	5.35	1.52
07 46 16 00-0027	SF		0.040" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	5.76	1.52
07 46 16 00-0028	SF		0.050" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	6.01	1.52
07 46 16 00-0029			Aluminum Soffit And Fascia <small>(07 46 16)</small>		
			Note: Excludes J-channel.		
07 46 16 00-0030	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	2.85	1.06
			<i>For 0.015" Thick, Deduct</i>	-0.05	
07 46 16 00-0031	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	3.45	1.12
			<i>For 0.015" Thick, Deduct</i>	-0.07	
07 46 16 00-0032	LF		1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	3.75	1.15
			<i>For 0.015" Thick, Deduct</i>	-0.09	
07 46 16 00-0033	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	4.59	1.21
			<i>For 0.015" Thick, Deduct</i>	-0.14	
07 46 16 00-0034	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	5.55	1.32
			<i>For 0.015" Thick, Deduct</i>	-0.21	
07 46 16 00-0035	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	7.28	1.45
			<i>For 0.015" Thick, Deduct</i>	-0.30	
07 46 16 00-0036	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	9.03	1.61
			<i>For 0.015" Thick, Deduct</i>	-0.41	
07 46 16 00-0037	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	10.80	1.76
			<i>For 0.015" Thick, Deduct</i>	-0.53	
07 46 16 00-0038	LF		4" Exposure, 0.024" Thick, Aluminum Fascia.....	3.26	1.04
07 46 16 00-0039	LF		6" Exposure, 0.024" Thick, Aluminum Fascia.....	3.54	1.06
07 46 16 00-0040	LF		8" Exposure, 0.024" Thick, Aluminum Fascia.....	4.10	1.09
07 46 16 00-0041	LF		10" Exposure, 0.024" Thick, Aluminum Fascia.....	4.69	1.12
07 46 16 00-0042			Aluminum Siding Accessories <small>(07 46 16)</small>		
07 46 16 00-0043	LF		3/8" Pocket, Aluminum J-Channel.....	2.25	1.00
07 46 16 00-0044	LF		1/2" Pocket, Aluminum J-Channel.....	2.25	1.00
07 46 16 00-0045	LF		3/4" Pocket, Aluminum J-Channel.....	2.59	1.00
07 46 16 00-0046	LF		3/8" Pocket, Aluminum F-Channel.....	2.35	1.00
07 46 16 00-0047	LF		1/2" Pocket, Aluminum F-Channel.....	2.35	1.00
07 46 19			Steel Siding <small>(07 46)</small>		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001			Steel Siding Panels For Structural Steel Framing <small>(07 46 19)</small>		
			Note: Included fasteners.		
07 46 19 00-0002			Corrugated, Painted <small>(07 46 19 00-0001)</small>		
			Note: Factory applied.		
07 46 19 00-0003	SF		20 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	6.84	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.95	
07 46 19 00-0004	SF		22 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	6.33	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.82	
07 46 19 00-0005	SF		24 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	6.20	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.79	
07 46 19 00-0006	SF		26 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	4.72	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.42	
07 46 19 00-0007	SF		28 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	4.61	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.39	
07 46 19 00-0008	SF		30 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	4.54	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.37	
07 46 19 00-0009			Box Rib, Painted <small>(07 46 19 00-0001)</small>		
			Note: Factory applied.		
07 46 19 00-0010	SF		20 Gauge Box Rib Steel Siding Panel, Painted With Fasteners.....	6.46	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.85	
07 46 19 00-0011	SF		22 Gauge Box Rib Steel Siding Panel, Painted With Fasteners.....	6.23	1.52
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0012 SF 24 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	6.08 0.76	1.52
07 46 19 00-0013 SF 26 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	5.83 0.70	1.52
07 46 19 00-0014 SF 28 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	5.29 0.56	1.52
07 46 19 00-0015 Steel Siding For Wood Frame <small>(07 46 19)</small> Note: Horizontal clapboard, double 5" profiler, 1/2" deep butt, wood grain pattern. Includes fasteners, trim and all accessories.		
07 46 19 00-0016 SF Horizontal Clapboard	5.05	0.76
07 46 23 Wood Siding <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001 Wood Lap Siding <small>(07 46 23)</small>		
07 46 23 00-0002 LF 8" Wide Rough Sawn Cedar Lap Siding	3.01	1.08
07 46 23 00-0003 LF 10" Wide Rough Sawn Cedar Lap Siding	3.45	1.16
07 46 23 00-0004 LF 12" Wide Rough Sawn Cedar Lap Siding	3.91	1.24
07 46 23 00-0005 LF 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.25	1.08
07 46 23 00-0006 LF 6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.67	1.08
07 46 23 00-0007 LF 6" To 8" Wide Western Red Cedar, B Grade Lap Siding	4.56	1.08
07 46 23 00-0008 LF 6" To 8" Wide Western Red Cedar, A Grade Lap Siding	4.91	1.08
07 46 23 00-0009 LF 6" To 8" Wide Clear Heart Redwood Lap Siding	4.41	1.08
07 46 23 00-0010 LF 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	3.14	1.16
07 46 23 00-0011 LF 1" x 8" Cedar Beveled Siding, Channel, Rustic	3.14	1.16
07 46 23 00-0012 Tongue And Groove Siding <small>(07 46 23)</small>		
07 46 23 00-0013 SF 1" x 6" Tongue And Groove Southern Yellow Pine Siding	3.02	1.08
07 46 23 00-0014 SF 1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.39	1.08
07 46 23 00-0015 SF 1" x 6" 105 Southern Yellow Pine Siding	3.10	1.08
07 46 23 00-0016 SF 1" x 8" 105 Southern Yellow Pine Siding	3.44	1.08
07 46 29 Plywood Siding <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001 T-111 Siding <small>(07 46 29)</small>		
07 46 29 00-0002 SF 5/8" T-111 Fir, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud <i>For Pressure Treated, Add</i>	2.59 0.18	0.54
07 46 29 00-0003 SF 5/8" T-111 Cedar, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud <i>For Pressure Treated, Add</i>	2.54 0.18	0.54
07 46 33 Plastic Siding <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001 Vinyl Siding <small>(07 46 33)</small> Note: Includes standard manufacturer's colors.		
07 46 33 00-0002 Vinyl Siding Panels <small>(07 46 33 00-0001)</small> Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003 Horizontal Vinyl Siding Panels <small>(07 46 33 00-0002)</small> Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004 SF 7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.44 -0.12 -0.04 0.20 0.04	1.30
07 46 33 00-0005 SF 8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.29 -0.12 -0.04 0.20 0.04	1.22
07 46 33 00-0006 SF 9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.18 -0.12 -0.04 0.20 0.04	1.16
07 46 33 00-0007 SF 10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.07 -0.12 -0.04 0.20 0.04	1.11
07 46 33 00-0008 SF 12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.91 -0.12 -0.04 0.20 0.04	1.03

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0009			Vertical Vinyl Siding Panels (07 46 33 00-0002)		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	4.10	1.30
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0011			Vinyl Siding Accessories (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding.....	3.67	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	6.54	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.23	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding.....	3.16	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	3.70	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding.....	2.30	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding.....	2.26	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding.....	2.26	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding.....	2.30	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding.....	2.51	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding.....	2.52	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding.....	4.29	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	1.99	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0024	LF		3/4" Pocket, 3-3/4" Lineals For Vinyl Siding.....	4.79	1.37
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineals For Vinyl Siding.....	4.87	1.37
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding.....	4.78	1.37
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	3.82	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	3.40	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	2.47	1.00
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0030			Vinyl Soffit And Fascia (07 46 33 00-0001)		
			Note: Excludes J-channel.		
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	2.68	1.06
			<i>For 0.038" Thick, Deduct</i>	-0.17	
			<i>For 0.040" Thick, Deduct</i>	-0.07	
			<i>For 0.046" Thick, Add</i>	0.12	
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.18	1.12
			<i>For 0.038" Thick, Deduct</i>	-0.29	
			<i>For 0.040" Thick, Deduct</i>	-0.14	
			<i>For 0.046" Thick, Add</i>	0.21	
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0033	LF		1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.42	1.15
			<i>For 0.038" Thick, Deduct</i>	-0.33	
			<i>For 0.040" Thick, Deduct</i>	-0.17	
			<i>For 0.046" Thick, Add</i>	0.25	
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.09	1.21
			<i>For 0.038" Thick, Deduct</i>	-0.52	
			<i>For 0.040" Thick, Deduct</i>	-0.24	
			<i>For 0.046" Thick, Add</i>	0.37	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.90	1.32
			<i>For 0.038" Thick, Deduct</i>	-0.68	
			<i>For 0.040" Thick, Deduct</i>	-0.34	
			<i>For 0.046" Thick, Add</i>	0.50	
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.29	1.45
			<i>For 0.038" Thick, Deduct</i>	-1.03	
			<i>For 0.040" Thick, Deduct</i>	-0.51	
			<i>For 0.046" Thick, Add</i>	0.75	
			<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	7.71	1.61
			<i>For 0.038" Thick, Deduct</i>	-1.38	
			<i>For 0.040" Thick, Deduct</i>	-0.67	
			<i>For 0.046" Thick, Add</i>	1.00	
			<i>For Manufacturer's Custom Colors, Add</i>	0.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0038 LF 5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	9.16 -1.73 -0.84 1.24 0.28	1.76
07 46 33 00-0039 LF 4" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	2.86 0.04	1.04
07 46 33 00-0040 LF 6" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	3.14 0.05	1.06
07 46 33 00-0041 LF 8" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	3.31 0.06	1.09
07 46 33 00-0042 LF 10" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	3.53 0.06	1.12
07 46 33 00-0043 Fiberglass Siding <small>(07 46 33)</small>		
07 46 33 00-0044 Corrugated Panels <small>(07 46 33 00-0043)</small>		
07 46 33 00-0045 SF 6 Ounce Corrugated Fiberglass Panels	4.22	1.52
07 46 33 00-0046 SF 8 Ounce Corrugated Fiberglass Panels	4.45	1.37
07 46 33 00-0047 SF 12 Ounce Corrugated Fiberglass Panels	4.88	1.37
07 46 33 00-0048 Flat Panels <small>(07 46 33 00-0043)</small>		
07 46 33 00-0049 SF 6 Ounce Flat Fiberglass Panels	4.07	1.37
07 46 33 00-0050 SF 8 Ounce Flat Fiberglass Panels	4.45	1.37
07 46 46 Fiber-Cement Siding <small>(07 46)</small>		
Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001 5/16" Thick, Fiber Cement Lap Siding <small>(07 46 46)</small>		
07 46 46 00-0002 SF 5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.51	1.61
07 46 46 00-0003 SF 6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.29	1.52
07 46 46 00-0004 SF 7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.20	1.48
07 46 46 00-0005 SF 8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.10	1.45
07 46 46 00-0006 SF 9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.91	1.37
07 46 46 00-0007 SF 12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.73	1.30
07 46 46 00-0008 LF Starter Strip, Fiber Cement Lap Siding	0.99	0.39
07 46 46 00-0009 Fiber Cement Shingle Siding <small>(07 46 46)</small>		
07 46 46 00-0010 SF Fiber Cement Shingle Siding	6.82	1.41
07 46 46 00-0011 Fiber Cement Vertical Panel Siding <small>(07 46 46)</small>		
07 46 46 00-0012 SF Fiber Cement Vertical Panel Siding	3.31	1.15
07 46 46 00-0013 Fiber Cement Trim Boards <small>(07 46 46)</small>		
07 46 46 00-0014 7/16" Thick, Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0015 LF 4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.15	0.76
07 46 46 00-0016 LF 6" Wide, 7/16" Thick, Fiber Cement Trim Board	2.74	0.84
07 46 46 00-0017 LF 8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.28	0.91
07 46 46 00-0018 LF 12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.30	1.07
07 46 46 00-0019 3/4" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0020 LF 4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.26	0.76
07 46 46 00-0021 LF 6" Wide, 3/4" Thick, Fiber Cement Trim Board	2.90	0.84
07 46 46 00-0022 LF 8" Wide, 3/4" Thick, Fiber Cement Trim Board	3.55	0.91
07 46 46 00-0023 LF 12" Wide, 3/4" Thick, Fiber Cement Trim Board	3.72	1.07
07 46 46 00-0024 1" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0025 LF 4" Wide, 1" Thick, Fiber Cement Trim Board	2.39	0.76
07 46 46 00-0026 LF 6" Wide, 1" Thick, Fiber Cement Trim Board	3.13	0.84
07 46 46 00-0027 LF 8" Wide, 1" Thick, Fiber Cement Trim Board	3.89	0.91
07 46 46 00-0028 LF 12" Wide, 1" Thick, Fiber Cement Trim Board	5.17	1.07
07 46 46 00-0029 Fiber Cement Fascia Board <small>(07 46 46)</small>		
07 46 46 00-0030 LF 5/4" x 3-1/2" Fiber Cement Fascia Board	4.33	1.51
07 46 46 00-0031 LF 5/4" x 5-1/2" Fiber Cement Fascia Board	5.45	1.68
07 46 46 00-0032 LF 5/4" x 7-1/4" Fiber Cement Fascia Board	6.10	1.68
07 46 46 00-0033 LF 5/4" x 11-1/4" Fiber Cement Fascia Board	8.12	1.97
07 46 46 00-0034 Fiber Cement Soffit Boards <small>(07 46 46)</small>		
07 46 46 00-0035 SF 1/4" Thick, Non Vented Fiber Cement Soffit	4.13	1.09

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

07 46 Siding



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0036 SF 1/4" Thick, Vented Fiber Cement Soffit.....	4.38	1.09
07 46 63 Fabricated Panel Assemblies With Siding (07 46)		
07 46 63 00-0001 Metal Liner Panels (07 46 63)		
07 46 63 00-0002 Galvanized Metal Liner Panels (07 46 63 00-0001)		
07 46 63 00-0003 SF 24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	5.94	1.27
07 46 63 00-0004 SF 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	6.47	1.27
07 46 63 00-0005 SF 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	7.41	1.27
07 46 63 00-0006 SF 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	7.51	1.27
07 50 Membrane Roofing (07)		
Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.		
07 51 Built-Up Bituminous Roofing (07 51)		
07 51 13 Built-Up Asphalt Roofing (07 51)		
07 51 13 00-0001 Built-Up Asphalt Roofing Components (07 51 13)		
07 51 13 00-0002 Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.		
07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
07 51 13 00-0005 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied.....	54.61	
For Up To 10, Add	10.00	
For >10 To 25, Add	7.57	
07 51 13 00-0006 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied.....	133.28	
For Up To 10, Add	13.93	
For >10 To 25, Add	11.51	
07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	3.54	
07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	43.09	
For Up To 10, Add	9.42	
For >10 To 25, Add	7.00	
07 51 13 00-0012 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	45.33	
For Up To 10, Add	9.53	
For >10 To 25, Add	7.11	
07 51 13 00-0013 SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	47.88	
For Up To 10, Add	9.66	
For >10 To 25, Add	7.24	
07 51 13 00-0014 SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	76.15	
For Up To 10, Add	11.07	
For >10 To 25, Add	8.65	
07 51 13 00-0015 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped.....	121.76	
For Up To 10, Add	13.35	
For >10 To 25, Add	10.93	
07 51 13 00-0016 SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped.....	95.76	
For Up To 10, Add	12.74	
For >10 To 25, Add	10.09	
07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped.....	2.49	
07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
Note: Includes fasteners.		
07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	39.53	
For Up To 10, Add	5.61	
For >10 To 25, Add	4.40	
07 51 13 00-0022 SQ Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	70.35	
For Up To 10, Add	7.15	
For >10 To 25, Add	5.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0023 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	115.97 9.43 8.22	
07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	2.87	
07 51 13 00-0026 Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	53.20 9.93 7.50	
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	58.99 10.22 7.79	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	41.68 9.35 6.93	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	47.47 9.64 7.22	
07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	20.81 4.67 3.46	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	26.60 4.96 3.75	
07 51 13 00-0036 Surfacing (07 51 13 00-0001)		
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	96.00 22.96 16.91	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat..... <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	130.04 24.66 18.61	
07 51 13 00-0039 CY Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	109.43	
07 51 13 00-0040 SQ Protective Polypropylene Fabric Mat, Loose Laid..... Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	27.61 3.78 2.98	
07 51 13 00-0041 SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	56.51 7.18 5.73	
07 51 13 00-0042 SQ Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat..... Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	50.88 6.90 5.45	
07 51 13 00-0043 SQ Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat..... Note: Reflective coating for use over smooth-surfaced built-up roofs. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	66.24 7.67 6.22	
07 51 13 00-0044 SQ 100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat..... Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	66.74 7.70 6.24 18.65	
07 51 13 00-0045 SQ 100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat..... Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	68.81 7.80 6.35 19.34	
07 51 13 00-0046 SF Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	1.30	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0047	SF		Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast..... Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.62	
07 51 13 00-0048			Walkway Boards (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049	LF		5/16" Thick, 32" Wide, Skid Resistant Walkway Board.....	13.62	
07 51 13 00-0050	LF		1/2" Thick, 32" Wide, Skid Resistant Walkway Board.....	16.05	
07 51 13 00-0051			Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0052	LF		2" x 2" Perlite Cant Strip	2.48	
07 51 13 00-0053	LF		3" x 3" Perlite Cant Strip	2.54	
07 51 13 00-0054	LF		4" x 4" Perlite Cant Strip	2.80	
07 51 13 00-0055	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	2.74	
07 51 13 00-0056	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	2.86	
07 51 13 00-0057	LF		1/2" x 6" Perlite Tapered Edge Strip	2.79	
07 51 13 00-0058	LF		1/2" x 12" Perlite Tapered Edge Strip	3.09	
07 51 13 00-0059	LF		1" x 12" Perlite Tapered Edge Strip	3.17	
07 51 13 00-0060	LF		1" x 24" Perlite Tapered Edge Strip	3.49	
07 51 13 00-0061	LF		1-1/2" x 12" Perlite Tapered Edge Strip	3.46	
07 51 13 00-0062	LF		1-1/2" x 18" Perlite Tapered Edge Strip	4.03	
07 51 13 00-0063	LF		1-1/2" x 24" Perlite Tapered Edge Strip	4.45	
07 51 13 00-0064			Concrete Primer (07 51 13 00-0001)		
07 51 13 00-0065	SQ		Cut-Back Asphalt, Concrete Primer	22.14	
07 51 13 00-0066			Built-Up Roofing Demolition (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0067	SQ		Gravel/Slag Surfaced, Built Up Roofing System Demolition	256.35	
			For Up To 10, Add	63.57	
			For >10 To 25, Add	38.14	
07 51 13 00-0068	SQ		Cap Sheet Surfaced, Built Up Roofing System Demolition	197.76	
			Note: Includes protective surfacing.		
			For Up To 10, Add	49.04	
			For >10 To 25, Add	29.43	
07 51 13 00-0069			Roofing System Warranty (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0070	EA		Up To 70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	350.00	
07 51 13 00-0071	SQ		>70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	5.00	
07 51 13 00-0072	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	400.00	
07 51 13 00-0073	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	8.00	
07 51 13 00-0074	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	550.00	
07 51 13 00-0075	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	11.00	
07 51 13 00-0076			Built-Up Roofing Components (Tremco) (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0077			Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0076)		
07 51 13 00-0078	SQ		BURmastic Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	83.13	
07 51 13 00-0079	SQ		BURmastic Premium Composite Ply, Cold Applied BUR Component	100.10	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080	SQ		BURmastic Supreme Composite Ply, Cold Applied BUR Component	114.98	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081	SQ		BURmastic Modified Composite Ply, Cold Applied BUR Component	89.00	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet modified with SBS rubber. Type II. Also used as a hot or cold applied base sheet.		
07 51 13 00-0082	SQ		BURmastic Modified Premium Composite Ply, Cold Applied BUR Component	100.10	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet modified with SBS rubber. Type II. Also used as a hot or cold applied base sheet.		
07 51 13 00-0083	SQ		BURmastic Modified Supreme Composite Ply, Cold Applied BUR Component.....	114.98	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet modified with SBS rubber. Type II. Also used as a hot or cold applied base sheet.		
07 51 13 00-0084	SQ		28 LB BURmastic Glass Ply, Cold Applied BUR Component	25.58	
			Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0085	SQ		33 LB BURmastic Glass Ply, Cold Applied BUR Component	36.84	
			Note: Asphalt coated fiberglass base or ply sheet. Type II.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0086 SQ BURmastic 300 Ply, Cold Applied BUR Component.....	79.10	
Note: SBS/SEBS modified polyester reinforced ply sheet. 50 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0087 SQ POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component.....	152.32	
Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0088 SQ POWERply Modified HT Base Sheet, Hot Applied BUR Component.....	82.28	
Note: High tensile, smooth surfaced, trilaminate non woven fiberglass/scrim fiberglass/polyester reinforced modified bitumen ply sheet. 60 mil.		
07 51 13 00-0089 SQ POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component.....	141.68	
Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0090 Hot Applied BUR Base Plies And Ply Sheets (07 51 13 00-0076)		
07 51 13 00-0091 SQ POWERply IV Sheet, Hot Applied BUR Component.....	21.52	
Note: Fiberglass ply sheet. Type IV.		
07 51 13 00-0092 SQ POWERply VI Sheet, Hot Applied BUR Component.....	28.64	
Note: Fiberglass ply sheet. Type VI.		
07 51 13 00-0093 Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0076)		
07 51 13 00-0094 SQ POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	86.68	
Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0095 SQ POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	229.83	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0096 SQ POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	379.57	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0097 SQ POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component.....	101.47	
Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0098 SQ POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component.....	155.00	
Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0099 SQ POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component.....	352.89	
Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0100 SQ POWERply Supreme HT FR Cap Membrane, Hot Or Cold Applied BUR Component.....	471.66	
Note: High tensile, fire resistant, granule surfaced bilaminate polyester/glass reinforced modified bitumen membrane. Type III, Grade G. 155 mils. Black or white surface.		
07 51 13 00-0101 SQ POWERply Standard FR T24 Cap Membrane, Hot Or Cold Applied BUR Component.....	296.81	
Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0102 SQ POWERply Premium FR T24 Cap Membrane, Hot Or Cold Applied BUR Component.....	482.54	
Note: Highly reflective, fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane meeting California's Title 24 requirements. Type III, Grade G. 153 mils.		
07 51 13 00-0103 SQ POWERply Supreme FR T24 Cap Membrane, Hot Or Cold Applied BUR Component.....	655.76	
Note: Highly reflective, fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane meeting California's Title 24 requirements. Type III, Grade G. 155 mils.		
07 51 13 00-0104 SQ POWERply HE FR Cap Sheet, Hot Applied BUR Component.....	271.44	
Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
07 51 13 00-0105 Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0076)		
07 51 13 00-0106 SQ POWERply SA Base Sheet, Self Adhesive Roofing.....	157.81	
Note: A self adhesive, fiberglass reinforced SBS modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		
07 51 13 00-0107 SQ POWERply SA FR Membrane, Self Adhesive Roofing.....	313.59	
Note: A fire rated, granule surfaced, polyester reinforced, self adhesive SBS modified bitumen membrane. Type I, Grade G. 130 mils.		
07 51 13 00-0108 Flashings (07 51 13 00-0076)		
07 51 13 00-0109 LF 11-1/2" Hypalon Elastomeric Flashing.....	10.13	
Note: 45 mils.		
07 51 13 00-0110 LF 19" Hypalon Elastomeric Flashing.....	16.38	
Note: 45 mils.		
07 51 13 00-0111 LF 25" Hypalon Elastomeric Flashing.....	21.74	
Note: 45 mils.		
07 51 13 00-0112 LF 38" Hypalon Elastomeric Flashing.....	31.86	
Note: 45 mils.		
07 51 13 00-0113 LF 60-1/2" Hypalon Elastomeric Flashing.....	52.60	
Note: 45 mils.		
07 51 13 00-0114 LF 12" TRA Elastomeric Flashing Membrane.....	8.05	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0115 LF 18" TRA Elastomeric Flashing Membrane.....	13.16	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0116 LF 24" TRA Elastomeric Flashing Membrane.....	17.53	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0117 LF 36" TRA Elastomeric Flashing Membrane.....	25.65	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0118 LF 60" TRA Elastomeric Flashing Membrane.....	64.98	
Note: Polyester reinforced flashing membrane. 45 mils.		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0119 LF 4" BURmesh Fabric	3.11	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0120 LF 6" BURmesh Fabric	3.22	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0121 LF 12" BURmesh Fabric	4.21	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0122 LF 36" BURmesh Fabric	11.91	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0123 Cold Applied Adhesives (07 51 13 00-0076)		
07 51 13 00-0124 SQ BURmastic Inter-Ply Cold Applied Adhesive	98.74	
07 51 13 00-0125 SQ BURmastic Flood Coat Cold Applied Adhesive	162.62	
07 51 13 00-0126 SQ BURmastic SF Inter-Ply Cold Applied Adhesive	186.29	
07 51 13 00-0127 SQ BURmastic LV Inter-Ply Cold Applied Adhesive	98.74	
07 51 13 00-0128 SQ POWERply Standard Inter-Ply Cold Applied Adhesive	50.97	
07 51 13 00-0129 SQ POWERply Standard Flood Coat Cold Applied Adhesive	112.07	
07 51 13 00-0130 SQ POWERply White On White Cold Applied Adhesive	103.20	
07 51 13 00-0131 SQ Rock-It Cold Applied Adhesive For Gravel Applications	308.01	
07 51 13 00-0132 SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)	173.67	
Note: For insulation only.		
07 51 13 00-0133 SQ ECOlastic Cold Applied Adhesive	214.40	
07 51 13 00-0134 SQ TRP Cold Applied Adhesive	196.35	
07 51 13 00-0135 Hot Applied Adhesives (07 51 13 00-0076)		
07 51 13 00-0136 SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive	36.45	
07 51 13 00-0137 SQ Premium III Asphalt Flood Coat Hot Applied Adhesive	73.73	
07 51 13 00-0138 SQ POWERply Modified Inter-Ply Hot Applied Adhesive	60.76	
07 51 13 00-0139 SQ POWERply Modified Flood Coat Hot Applied Adhesive	101.83	
07 51 13 00-0140 SQ THERMastic 50 Hot Applied Adhesive	386.40	
07 51 13 00-0141 SQ THERMastic Hot Applied Adhesive	671.76	
07 51 13 00-0142 Flashings Adhesives (07 51 13 00-0076)		
07 51 13 00-0143 LF Sheeting Bond Flashing Adhesive	11.39	
Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0144 LF Polyroof SF Flashing Mastic	16.02	
Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0145 LF ELS Flashing Mastic	10.58	
Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51 13 00-0146 LF TremSEAL GP General Purpose Sealant	4.04	
07 51 13 00-0147 LF TremSEAL HP High Performance Sealant	4.06	
07 51 13 00-0148 LF TremSEAL S Silicone Sealant	4.03	
07 51 13 00-0149 Surfacing (07 51 13 00-0076)		
07 51 13 00-0150 SQ TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating	143.66	
07 51 13 00-0151 SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	313.16	
07 51 13 00-0152 SQ ICE Coating With Reinforcement, Water Based, Heavy Bodied Elastomeric Roof Coating	378.55	
07 51 13 00-0153 SQ Polar Coat	90.90	
07 51 13 00-0154 SQ One Coat Aluminum, Asphalt Based, Fibrated Aluminum Roof Coating	166.15	
07 51 13 00-0155 SQ Once Coat Aluminum FR, Fire Rated, Asphalt Based, Fibrated Aluminum Roof Coating	250.03	
07 51 13 00-0156 SQ Wall Tite, Elastomeric Coating For Exterior Above-Grade Walls	279.15	
07 51 13 00-0157 SQ Wall Tite F, Fibrated Elastomeric Coating For Exterior Above-Grade Walls	256.76	
07 51 13 00-0158 Primer (07 51 13 00-0076)		
07 51 13 00-0159 SQ TREMprime WB Primer	23.50	
Note: Water based polymer modified asphalt primer.		
07 51 13 00-0160 SQ Wall Tite Primer, Latex Primer For Wall Tite Coating	62.31	
07 51 13 00-0161 SQ Wall Tite F Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	49.21	
07 51 13 00-0162 Liquid Applied Roofing (07 51 13 00-0076)		
07 51 13 00-0163 SQ TremLAR 120 EP Primer	144.25	
Note: Two component, high solids, low viscosity, flexible epoxy primer.		
07 51 13 00-0164 SQ Trem-LAR LRM H Waterproofing (Horizontal)	260.82	
Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0165 SQ Trem-LAR LRM V Waterproofing (Vertical)	265.94	
Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0166 APP Products (07 51 13 00-0076)		
07 51 13 00-0167 SQ POWERply APP Base Sheet	129.04	
07 51 13 00-0168 SQ POWERply APP FR	243.13	
07 51 13 00-0169 SQ POWERply APP Smooth	194.86	
07 51 13 00-0170 SQ POWERply APP Deluxe Granulated	300.40	
07 51 13 00-0171 SQ POWERply APP Deluxe Smooth	255.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0172 TPA White Membrane <small>(07 51 13 00-0076)</small>		
07 51 13 00-0173 SQ 45 Mil TPA White Membrane	338.14	
07 51 13 00-0174 SQ 60 Mil TPA White Membrane	458.31	
07 51 13 00-0175 SQ 80 Mil TPA White Membrane	550.96	
07 51 13 00-0176 TPA Polyester Fleece Backed White Membrane <small>(07 51 13 00-0076)</small>		
07 51 13 00-0177 SQ 45 Mil TPA Polyester Fleece Backed White Membrane	401.09	
07 51 13 00-0178 SQ 60 Mil TPA Polyester Fleece Backed White Membrane	463.51	
07 51 13 00-0179 SQ 80 Mil TPA Polyester Fleece Backed White Membrane	609.75	
07 51 13 00-0180 TPO Polyester White Membrane <small>(07 51 13 00-0076)</small>		
07 51 13 00-0181 SQ 45 Mil TPO Polyester White Membrane.....	191.34	
07 51 13 00-0182 SQ 60 Mil TPO Polyester White Membrane.....	188.86	
07 51 13 00-0183 SQ 80 Mil TPO Polyester White Membrane.....	328.18	
07 51 13 00-0184 TPO Polyester Fleece Backed White Membrane <small>(07 51 13 00-0076)</small>		
07 51 13 00-0185 SQ 45 Mil TPO Polyester Fleece Backed White Membrane	219.55	
07 51 13 00-0186 SQ 60 Mil TPO Polyester Fleece Backed White Membrane	246.16	
07 51 13 00-0187 SQ 80 Mil TPO Polyester Fleece Backed White Membrane	355.31	
07 51 13 00-0188 Tremply HP 4510 CSPE White Membrane <small>(07 51 13 00-0076)</small>		
07 51 13 00-0189 SQ 45 Mil Tremply HP 4510 CSPE White Membrane	568.96	
07 51 13 00-0190 Warranty <small>(07 51 13 00-0076)</small>		
07 51 13 00-0191 EA Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192 SF >10,000 SF 15 Year Roofing System Warranty.....	0.15	
07 51 13 00-0193 EA Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194 SF >10,000 SF 20 Year Roofing System Warranty.....	0.20	
07 52 Modified Bituminous Membrane Roofing <small>(07 50)</small>		
07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing <small>(07 52)</small>		
<small>Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.</small>		
07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>		
07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13 11)</small>		
<small>Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.</small>		
07 52 13 11-0002 Cold Adhesive Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 11-0001)</small>		
07 52 13 11-0003 SQ 80 Mil, APP Modified Bitumen Base Sheet, Cold Adhesive Applied.....	92.32	
<i>For Up To 10, Add</i>		11.88
<i>For >10 To 25, Add</i>		9.46
07 52 13 11-0004 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	110.28	
<i>For Up To 10, Add</i>		12.78
<i>For >10 To 25, Add</i>		10.36
07 52 13 11-0005 SQ 160 Mil, APP Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	179.66	
<i>For Up To 10, Add</i>		16.25
<i>For >10 To 25, Add</i>		13.83
07 52 13 11-0006 SQ 160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	181.97	
<i>For Up To 10, Add</i>		17.05
<i>For >10 To 25, Add</i>		14.40
07 52 13 11-0007 SQ 160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	124.65	
<i>For Up To 10, Add</i>		14.19
<i>For >10 To 25, Add</i>		11.54
<i>For Factory Applied White Reflective Surfacing, Add</i>		50.70
07 52 13 11-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	142.82	
<i>For Up To 10, Add</i>		15.10
<i>For >10 To 25, Add</i>		12.45
<i>For Factory Applied White Reflective Surfacing, Add</i>		50.70
07 52 13 11-0009 SQ 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	192.32	
<i>For Up To 10, Add</i>		17.57
<i>For >10 To 25, Add</i>		14.92
<i>For Factory Applied White Reflective Surfacing, Add</i>		50.70
07 52 13 11-0010 Cold Adhesive Applied, APP Modified Bitumen Roofing Flashing <small>(07 52 13 11-0001)</small>		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0011 SF 160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Cold Adhesive Applied.....	4.01	
07 52 13 11-0012 SF 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Cold Adhesive Applied	4.11	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 13-0001 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 13)		
Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002 Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)		
07 52 13 13-0003 SQ 80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied.....	63.21	
<i>For Up To 10, Add</i>	8.61	
<i>For >10 To 25, Add</i>	6.79	
07 52 13 13-0004 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	81.17	
<i>For Up To 10, Add</i>	9.51	
<i>For >10 To 25, Add</i>	7.69	
07 52 13 13-0005 SQ 150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	89.61	
<i>For Up To 10, Add</i>	9.93	
<i>For >10 To 25, Add</i>	8.11	
07 52 13 13-0006 SQ 160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	94.21	
<i>For Up To 10, Add</i>	10.16	
<i>For >10 To 25, Add</i>	8.34	
07 52 13 13-0007 SQ 180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	131.52	
<i>For Up To 10, Add</i>	12.02	
<i>For >10 To 25, Add</i>	10.21	
07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	90.71	
<i>For Up To 10, Add</i>	10.31	
<i>For >10 To 25, Add</i>	8.39	
07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	96.46	
<i>For Up To 10, Add</i>	10.60	
<i>For >10 To 25, Add</i>	8.67	
07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	132.62	
<i>For Up To 10, Add</i>	12.41	
<i>For >10 To 25, Add</i>	10.48	
07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	94.33	
<i>For Up To 10, Add</i>	10.49	
<i>For >10 To 25, Add</i>	8.57	
<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	99.91	
<i>For Up To 10, Add</i>	10.77	
<i>For >10 To 25, Add</i>	8.85	
<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	113.59	
<i>For Up To 10, Add</i>	11.45	
<i>For >10 To 25, Add</i>	9.53	
<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 13 13-0014 SQ 170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	115.26	
<i>For Up To 10, Add</i>	11.54	
<i>For >10 To 25, Add</i>	9.61	
<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 13 13-0015 SQ 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	162.00	
<i>For Up To 10, Add</i>	13.88	
<i>For >10 To 25, Add</i>	11.95	
<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 13 13-0016 Torch-Applied, APP Modified Bitumen Roofing Flashing (07 52 13 13-0001)		
07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	1.81	
07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	1.87	
07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.23	
07 52 13 13-0020 SF 170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.90	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.06	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.53	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 14)		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002 Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)		
07 52 13 14-0003 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	92.97	
<i>For Up To 10, Add</i>	8.28	
<i>For >10 To 25, Add</i>	7.07	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)

07 52 16 11-0003	SQ 50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	74.73	
	For Up To 10, Add	11.00	
	For >10 To 25, Add	8.58	
07 52 16 11-0004	SQ 80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	94.68	
	For Up To 10, Add	12.00	
	For >10 To 25, Add	9.58	
07 52 16 11-0005	SQ 90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	97.25	
	For Up To 10, Add	12.13	
	For >10 To 25, Add	9.71	
07 52 16 11-0006	SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	129.06	
	For Up To 10, Add	13.72	
	For >10 To 25, Add	11.30	
07 52 16 11-0007	SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	161.26	
	For Up To 10, Add	15.33	
	For >10 To 25, Add	12.91	
07 52 16 11-0008	SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	136.88	
	For Up To 10, Add	14.80	
	For >10 To 25, Add	12.15	
07 52 16 11-0009	SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	140.34	
	For Up To 10, Add	14.97	
	For >10 To 25, Add	12.32	
07 52 16 11-0010	SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	124.13	
	For Up To 10, Add	14.16	
	For >10 To 25, Add	11.51	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0011	SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	125.62	
	For Up To 10, Add	14.24	
	For >10 To 25, Add	11.59	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0012	SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	139.42	
	For Up To 10, Add	14.93	
	For >10 To 25, Add	12.28	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0013	SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	141.72	
	For Up To 10, Add	15.04	
	For >10 To 25, Add	12.39	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0014	SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	161.85	
	For Up To 10, Add	16.05	
	For >10 To 25, Add	13.40	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0015	SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	198.51	
	For Up To 10, Add	17.88	
	For >10 To 25, Add	15.23	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0016	SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	126.63	
	For Up To 10, Add	14.29	
	For >10 To 25, Add	11.64	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0017	SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	130.22	
	For Up To 10, Add	14.47	
	For >10 To 25, Add	11.82	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0018	SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	149.77	
	For Up To 10, Add	15.44	
	For >10 To 25, Add	12.79	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0019	SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	150.23	
	For Up To 10, Add	15.47	
	For >10 To 25, Add	12.82	
	For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 11-0020	SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	158.97	
	For Up To 10, Add	15.90	
	For >10 To 25, Add	13.25	
	For Factory Applied White Reflective Surfacing, Add	50.70	

07 52 16 11-0021 Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 11-0001)

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.59	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.43	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.44	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.61	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.81	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.17	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.45	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.49	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.69	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.78	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.49	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	7.08	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 12)

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)

07 52 16 12-0003	SQ		50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	63.21	
			<i>For Up To 10, Add</i>	10.43	
			<i>For >10 To 25, Add</i>	8.00	
07 52 16 12-0004	SQ		80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	83.16	
			<i>For Up To 10, Add</i>	11.42	
			<i>For >10 To 25, Add</i>	9.00	
07 52 16 12-0005	SQ		90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	85.73	
			<i>For Up To 10, Add</i>	11.55	
			<i>For >10 To 25, Add</i>	9.13	
07 52 16 12-0006	SQ		120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	117.54	
			<i>For Up To 10, Add</i>	13.14	
			<i>For >10 To 25, Add</i>	10.72	
07 52 16 12-0007	SQ		125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped.....	149.74	
			<i>For Up To 10, Add</i>	14.75	
			<i>For >10 To 25, Add</i>	12.33	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	125.41	
			<i>For Up To 10, Add</i>	14.23	
			<i>For >10 To 25, Add</i>	11.57	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	128.87	
			<i>For Up To 10, Add</i>	14.40	
			<i>For >10 To 25, Add</i>	11.75	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	112.66	
			<i>For Up To 10, Add</i>	13.59	
			<i>For >10 To 25, Add</i>	10.94	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	114.15	
			<i>For Up To 10, Add</i>	13.66	
			<i>For >10 To 25, Add</i>	11.01	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	127.95	
			<i>For Up To 10, Add</i>	14.35	
			<i>For >10 To 25, Add</i>	11.70	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	130.25	
			<i>For Up To 10, Add</i>	14.47	
			<i>For >10 To 25, Add</i>	11.82	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 12-0014	SQ		170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	150.38	
			<i>For Up To 10, Add</i>	15.48	
			<i>For >10 To 25, Add</i>	12.82	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 12-0015	SQ		180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	187.04	
			<i>For Up To 10, Add</i>	17.31	
			<i>For >10 To 25, Add</i>	14.66	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 12-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	115.16	
			<i>For Up To 10, Add</i>	13.71	
			<i>For >10 To 25, Add</i>	11.06	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	118.75	
For Up To 10, Add	13.89	
For >10 To 25, Add	11.24	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	138.30	
For Up To 10, Add	14.87	
For >10 To 25, Add	12.22	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	138.76	
For Up To 10, Add	14.89	
For >10 To 25, Add	12.24	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	147.50	
For Up To 10, Add	15.33	
For >10 To 25, Add	12.68	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 12-0021 Hot-Mopped, SBS Modified Bitumen Roofing Flashing (07 52 16 12-0001)		
07 52 16 12-0022 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.54	
07 52 16 12-0023 SF 125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.38	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0024 SF 140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.39	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0025 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.53	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0026 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.55	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.75	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.12	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.40	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.44	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.60	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.73	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 12-0033 SF 145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.44	
07 52 16 12-0034 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	6.03	
07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 13)		
Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002 Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)		
07 52 16 13-0003 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	105.71	
For Up To 10, Add	10.73	
For >10 To 25, Add	8.92	
07 52 16 13-0004 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	95.65	
For Up To 10, Add	10.56	
For >10 To 25, Add	8.63	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 13-0005 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	108.76	
For Up To 10, Add	11.21	
For >10 To 25, Add	9.29	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 13-0006 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	168.19	
For Up To 10, Add	14.18	
For >10 To 25, Add	12.26	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 13-0007 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	99.40	
For Up To 10, Add	10.75	
For >10 To 25, Add	8.82	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 13-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	114.85	
For Up To 10, Add	11.52	
For >10 To 25, Add	9.59	
For Factory Applied White Reflective Surfacing, Add	50.70	
07 52 16 13-0009 Torch-Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 13-0001)		
07 52 16 13-0010 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.01	
07 52 16 13-0011 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.00	
For Factory Applied White Reflective Surfacing, Add	0.51	
07 52 16 13-0012 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.59	
For Factory Applied White Reflective Surfacing, Add	0.51	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0013	SF		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.07	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 13-0014	SF		150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.54	
07 52 16 13-0015	SF		160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	5.49	
07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)					
07 52 16 14-0001			Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 14) Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002			Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)		
07 52 16 14-0003	SQ		35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened	73.15	
			<i>For Up To 10, Add</i>	7.29	
			<i>For >10 To 25, Add</i>	6.08	
07 52 16 14-0004	SQ		50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	57.42	
			<i>For Up To 10, Add</i>	6.50	
			<i>For >10 To 25, Add</i>	5.29	
07 52 16 14-0005	SQ		80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	72.91	
			<i>For Up To 10, Add</i>	7.28	
			<i>For >10 To 25, Add</i>	6.07	
07 52 16 14-0006	SQ		90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	90.02	
			<i>For Up To 10, Add</i>	8.13	
			<i>For >10 To 25, Add</i>	6.92	
07 52 16 14-0007	SQ		120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	111.75	
			<i>For Up To 10, Add</i>	9.22	
			<i>For >10 To 25, Add</i>	8.01	
07 52 16 14-0008			Mechanically Fastened, SBS Modified Bitumen Roofing Flashing (07 52 16 14-0001)		
07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.65	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.68	
07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)					
07 52 16 15-0001			Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 15) Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002			Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)		
07 52 16 15-0003	SQ		60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	60.61	
			<i>For Up To 10, Add</i>	7.39	
			<i>For >10 To 25, Add</i>	5.94	
07 52 16 15-0004	SQ		70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	63.87	
			<i>For Up To 10, Add</i>	7.55	
			<i>For >10 To 25, Add</i>	6.10	
07 52 16 15-0005	SQ		120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	104.16	
			<i>For Up To 10, Add</i>	9.89	
			<i>For >10 To 25, Add</i>	8.33	
07 52 16 15-0006	SQ		150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	123.27	
			<i>For Up To 10, Add</i>	10.85	
			<i>For >10 To 25, Add</i>	9.29	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 15-0007	SQ		160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	179.62	
			<i>For Up To 10, Add</i>	13.67	
			<i>For >10 To 25, Add</i>	12.11	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	50.70	
07 52 16 15-0008			Self-Adhering, SBS Modified Bitumen Roofing Flashing (07 52 16 15-0001)		
07 52 16 15-0009	SF		70 Mil, SBS Modified Bitumen Flashing, Self-Adhering	1.99	
07 52 16 15-0010	SF		150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.18	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	
07 52 16 15-0011	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.74	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.51	

07 53 Elastomeric Membrane Roofing (07 50)

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

07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes (07 53 16)
Note: Includes hot air welding or adhesive bonding of seams.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0002 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Fully Adhered.....	264.46	58.59
Note: Includes adhesive.		
For Up To 10, Add	48.10	
For >10 To 25, Add	36.47	
For 15 Year Warranty, Add	3.00	
07 53 16 00-0003 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Ballasted	181.24	29.30
Note: Includes ballast.		
For Up To 10, Add	26.50	
For >10 To 25, Add	20.69	
For 15 Year Warranty, Add	3.00	
07 53 16 00-0004 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Mechanically Fastened.....	202.92	43.94
Note: Includes fasteners.		
For Up To 10, Add	36.30	
For >10 To 25, Add	27.58	
For 15 Year Warranty, Add	3.00	
07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)		
07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)		
Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	143.33	29.30
Note: Includes ballast.		
For Up To 10, Add	24.60	
For >10 To 25, Add	18.79	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	4.07	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
07 53 23 00-0003 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	160.44	31.13
Note: Includes ballast.		
For Up To 10, Add	26.55	
For >10 To 25, Add	20.37	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.07	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
07 53 23 00-0004 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	233.90	32.95
Note: Includes ballast.		
For Up To 10, Add	31.31	
For >10 To 25, Add	24.77	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.07	
07 53 23 00-0005 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	175.21	43.94
Note: Includes adhesive and fasteners.		
For Up To 10, Add	34.91	
For >10 To 25, Add	26.20	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	4.07	
For Low VOC Adhesive, Add	17.62	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
For Integral Polyester Fleece-Backing, Add	56.47	
07 53 23 00-0006 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	192.32	45.78
Note: Includes adhesive and fasteners.		
For Up To 10, Add	36.86	
For >10 To 25, Add	27.78	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.07	
For Low VOC Adhesive, Add	17.62	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
For Integral Polyester Fleece-Backing, Add	62.44	
07 53 23 00-0007 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	265.78	47.61
Note: Includes adhesive and fasteners.		
For Up To 10, Add	41.62	
For >10 To 25, Add	32.18	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.07	
For Low VOC Adhesive, Add	17.62	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
For Integral Polyester Fleece-Backing, Add	68.96	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	231.73	58.59
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	46.46	
			For >10 To 25, Add	34.84	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.07	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	44.06	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
			For Integral Polyester Fleece-Backing, Add	56.47	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	248.82	60.43
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	48.41	
			For >10 To 25, Add	36.42	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.07	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	44.06	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
			For Integral Polyester Fleece-Backing, Add	62.44	
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	322.28	62.26
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	53.17	
			For >10 To 25, Add	40.82	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.07	
			For Low VOC Adhesive, Add	44.06	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
			For Integral Polyester Fleece-Backing, Add	68.96	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	164.91	43.94
			Note: Includes fasteners.		
			For Up To 10, Add	34.40	
			For >10 To 25, Add	25.68	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.07	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	182.01	45.78
			Note: Includes fasteners.		
			For Up To 10, Add	36.35	
			For >10 To 25, Add	27.26	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.07	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	255.47	47.61
			Note: Includes fasteners.		
			For Up To 10, Add	41.11	
			For >10 To 25, Add	31.66	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.07	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	38.88	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories <small>(07 53 23)</small>		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	38.48	
			For Up To 10, Add	6.28	
			For >10 To 25, Add	4.83	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	39.68	
			Note: 55% solids by volume.		
			For Up To 10, Add	6.34	
			For >10 To 25, Add	4.89	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	25.48	6.96
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	34.89	6.96
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	62.03	6.96
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....	81.44	7.69
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....	19.21	4.24
			Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	3.78	1.10
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	4.87	1.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001			Polyisobutylene (PIB) Roofing Membranes <small>(07 53 29)</small>		
<small>Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.</small>					
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted	268.91	32.95
<small>Note: Includes ballast.</small>					
<small>For Up To 10, Add</small>				33.06	
<small>For >10 To 25, Add</small>				26.52	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For 20 Year Warranty, Add</small>				6.00	
<small>For 25 Year Warranty, Add</small>				8.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)	306.04	47.61
<small>Note: Includes adhesive.</small>					
<small>For Up To 10, Add</small>				43.64	
<small>For >10 To 25, Add</small>				34.19	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For 20 Year Warranty, Add</small>				6.00	
<small>For 25 Year Warranty, Add</small>				8.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	370.44	62.26
<small>Note: Includes adhesive.</small>					
<small>For Up To 10, Add</small>				55.58	
<small>For >10 To 25, Add</small>				43.22	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For 20 Year Warranty, Add</small>				6.00	
<small>For 25 Year Warranty, Add</small>				8.00	

07 54 Thermoplastic Membrane Roofing (07 50)

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

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001			Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes <small>(07 54 19)</small>		
<small>Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.</small>					
07 54 19 00-0002	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	177.49	29.30
<small>Note: Includes ballast.</small>					
<small>For Up To 10, Add</small>				26.31	
<small>For >10 To 25, Add</small>				20.50	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For Colors, Add</small>				26.00	
<small>For Integral Polyester Fleece-Backing, Add</small>				40.70	
07 54 19 00-0003	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	202.44	31.13
<small>Note: Includes ballast.</small>					
<small>For Up To 10, Add</small>				28.65	
<small>For >10 To 25, Add</small>				22.47	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For 20 Year Warranty, Add</small>				6.00	
<small>For 25 Year Warranty, Add</small>				8.00	
<small>For Colors, Add</small>				26.00	
<small>For Integral Polyester Fleece-Backing, Add</small>				40.70	
07 54 19 00-0004	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	231.47	32.05
<small>Note: Includes ballast.</small>					
<small>For Up To 10, Add</small>				30.64	
<small>For >10 To 25, Add</small>				24.29	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For 20 Year Warranty, Add</small>				6.00	
<small>For 25 Year Warranty, Add</small>				8.00	
<small>For Colors, Add</small>				26.00	
<small>For Integral Polyester Fleece-Backing, Add</small>				40.70	
07 54 19 00-0005	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	245.12	32.95
<small>Note: Includes ballast.</small>					
<small>For Up To 10, Add</small>				31.87	
<small>For >10 To 25, Add</small>				25.33	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For 20 Year Warranty, Add</small>				6.00	
<small>For 25 Year Warranty, Add</small>				8.00	
<small>For Colors, Add</small>				26.00	
<small>For Integral Polyester Fleece-Backing, Add</small>				40.70	
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	248.70	58.59
<small>Note: Includes adhesive.</small>					
<small>For Up To 10, Add</small>				47.31	
<small>For >10 To 25, Add</small>				35.69	
<small>For 15 Year Warranty, Add</small>				3.00	
<small>For Colors, Add</small>				26.00	
<small>For Low VOC Adhesive, Add</small>				33.61	
<small>For Integral Polyester Fleece-Backing, Add</small>				40.70	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	273.65	60.43
			Note: Includes adhesive.		
			For Up To 10, Add	49.65	
			For >10 To 25, Add	37.66	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	302.68	61.34
			Note: Includes adhesive.		
			For Up To 10, Add	51.64	
			For >10 To 25, Add	39.47	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0009	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	316.33	62.26
			Note: Includes adhesive.		
			For Up To 10, Add	52.87	
			For >10 To 25, Add	40.52	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	195.20	43.94
			Note: Includes fasteners.		
			For Up To 10, Add	35.91	
			For >10 To 25, Add	27.20	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	220.15	45.78
			Note: Includes fasteners.		
			For Up To 10, Add	38.25	
			For >10 To 25, Add	29.17	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0012	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	249.17	46.70
			Note: Includes fasteners.		
			For Up To 10, Add	40.25	
			For >10 To 25, Add	30.98	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0013	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	262.83	47.61
			Note: Includes fasteners.		
			For Up To 10, Add	41.48	
			For >10 To 25, Add	32.03	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0014			Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	38.48	
			For Up To 10, Add	6.28	
			For >10 To 25, Add	4.83	
07 54 19 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	39.68	
			Note: 55% solids by volume.		
			For Up To 10, Add	6.34	
			For >10 To 25, Add	4.89	
07 54 19 00-0017	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	39.42	6.23
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018	EA		>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	54.39	6.96
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019	EA		>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	68.94	7.69
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020	EA		6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket.....	86.60	7.69
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021	LF		36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	16.79	4.24
07 54 19 00-0022	SF		Polyvinyl Chloride (PVC) Membrane Base Flashing.....	4.40	1.10
07 54 19 00-0023	SF		Polyvinyl Chloride (PVC) Membrane Curb Flashing.....	5.49	1.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0024 SF Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing..... Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	5.76	1.10
07 54 23 Thermoplastic-Polyolefin Roofing (07 54)		
07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)		
Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002 SQ 45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	224.49	58.59
Note: Includes adhesive.		
For Up To 10, Add 46.10		
For >10 To 25, Add 34.47		
For 15 Year Warranty, Add 3.00		
For Low VOC Adhesive, Add 44.06		
For Integral Polyester Fleece-Backing, Add 33.25		
07 54 23 00-0003 SQ 60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	238.75	60.43
Note: Includes adhesive.		
For Up To 10, Add 47.90		
For >10 To 25, Add 35.91		
For 15 Year Warranty, Add 3.00		
For 20 Year Warranty, Add 6.00		
For 25 Year Warranty, Add 8.00		
For Low VOC Adhesive, Add 44.06		
For Integral Polyester Fleece-Backing, Add 33.25		
07 54 23 00-0004 SQ 80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	296.85	62.26
Note: Includes adhesive.		
For Up To 10, Add 51.90		
For >10 To 25, Add 39.54		
For 15 Year Warranty, Add 3.00		
For 20 Year Warranty, Add 6.00		
For 25 Year Warranty, Add 8.00		
For Low VOC Adhesive, Add 44.06		
For Integral Polyester Fleece-Backing, Add 33.25		
07 54 23 00-0005 SQ 45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	153.81	43.94
Note: Includes fasteners.		
For Up To 10, Add 33.84		
For >10 To 25, Add 25.13		
For 15 Year Warranty, Add 3.00		
For Integral Polyester Fleece-Backing, Add 33.25		
07 54 23 00-0006 SQ 60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	168.07	45.78
Note: Includes fasteners.		
For Up To 10, Add 35.65		
For >10 To 25, Add 26.57		
For 15 Year Warranty, Add 3.00		
For 20 Year Warranty, Add 6.00		
For 25 Year Warranty, Add 8.00		
For Integral Polyester Fleece-Backing, Add 33.25		
07 54 23 00-0007 SQ 80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	226.18	47.61
Note: Includes fasteners.		
For Up To 10, Add 39.64		
For >10 To 25, Add 30.20		
For 15 Year Warranty, Add 3.00		
For 20 Year Warranty, Add 6.00		
For 25 Year Warranty, Add 8.00		
For Integral Polyester Fleece-Backing, Add 33.25		
07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0009 SQ Acrylic, TPO Roofing Primer, Price Per Coat.....	45.04	
For Up To 10, Add 6.61		
For >10 To 25, Add 5.16		
07 54 23 00-0010 SQ Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	39.68	
Note: 55% solids by volume.		
For Up To 10, Add 6.34		
For >10 To 25, Add 4.89		
For Tan Or Gray Color, Add 1.25		
07 54 23 00-0011 EA Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot	34.42	6.23
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0012 EA >3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	37.27	6.96
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0013 EA 6" Diameter, Prefabricated TPO Penetration Pocket	65.75	7.69
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0014 LF 30" Wide, TPO Walkway Protection Pad	16.61	4.24
07 54 23 00-0015 SF TPO Membrane Base Flashing.....	4.57	1.10
07 54 23 00-0016 SF TPO Curb Flashing	4.30	1.10
For Tan Or Gray Color, Add 0.05		
07 54 23 00-0017 SF TPO Clad Edge Metal Or Base Flashing	6.45	1.10
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		

07 56 Fluid-Applied Roofing (07 50)

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing..... <i>For Each Additional Coat, Add</i>	773.36 116.00	95.09
07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing.....	707.69	100.21
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing.....	791.77	111.92
07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	235.61	57.42
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	291.27	57.42
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	333.12	57.42
07 56 00 00-0010 Rubberized Acrylic Roof Coating, Sprayed On (07 56) Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011 Rubberized Acrylic Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		
07 56 00 00-0012 SQ Elastomeric Installation Over Urethane Foam.....	532.38	
07 56 00 00-0013 SQ Elastomeric Installation Over Decks.....	546.59	
07 56 00 00-0014 SQ Elastomeric Installation Over Exterior, Waterproofing.....	221.73	
07 56 00 00-0015 SQ Installation Over Existing Tar (Asphalt) And Gravel Roof.....	692.72	
07 56 00 00-0016 SQ Installation Over New Construction, Waterproofing.....	390.74	
07 56 00 00-0017 SQ Installation Over Mobile Home.....	257.22	
07 56 00 00-0018 SQ Installation Over Corrugated Metal Roofs.....	302.38	
07 56 00 00-0019 SQ Installation Over Granulate Mineral Surface, BUR Capsheet (Semi-Smooth) Surface.....	577.52	
07 56 00 00-0020 SQ 4" Acrylic Gel With Fabric (Apply At Edges).....	2.03	
07 56 00 00-0021 SQ 6" Acrylic Gel With Fabric (Apply At Edges).....	2.86	
07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies (07 56) Note: Includes powerwash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023 SF Up To 50 SF White (High-Albedo) Polyurethane Coating.....	8.88	
07 56 00 00-0024 SF >50 To 100 SF White (High-Albedo) Polyurethane Coating.....	8.59	
07 56 00 00-0025 SF >100 To 500 SF White (High-Albedo) Polyurethane Coating.....	8.30	
07 56 00 00-0026 SEA >500 To 1,000 SF White (High-Albedo) Polyurethane Coating.....	7.94	
07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0028 SQ 90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane..... Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	660.35	57.42
07 57 Coated Foamed Roofing (07 50)		
07 57 13 Sprayed Polyurethane Foam Roofing (07 57) Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	227.31	32.59
07 57 13 00-0005 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	320.05	37.25
07 57 13 00-0006 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	422.09	41.90
07 57 13 00-0007 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	505.49	46.56
07 57 13 00-0008 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	598.22	51.22
07 57 13 00-0009 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	690.94	55.87
07 57 13 00-0010 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0011 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	234.56	32.59
07 57 13 00-0012 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	327.30	37.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0013 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	420.02	41.90
07 57 13 00-0014 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	512.75	46.56
07 57 13 00-0015 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	605.48	51.22
07 57 13 00-0016 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	698.20	55.87
07 57 13 00-0017 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0018 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	252.18	32.59
07 57 13 00-0019 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	341.81	37.25
07 57 13 00-0020 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	434.53	41.90
07 57 13 00-0021 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	566.01	46.56
07 57 13 00-0022 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	666.62	51.22
07 57 13 00-0023 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	767.21	55.87
07 57 13 00-0024 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0025 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating (07 57 13 00-0024)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0026 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	257.36	32.59
07 57 13 00-0027 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	357.97	37.25
07 57 13 00-0028 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	458.57	41.90
07 57 13 00-0029 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	559.17	46.56
07 57 13 00-0030 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	659.78	51.22
07 57 13 00-0031 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	760.37	55.87
07 57 13 00-0032 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating (07 57 13 00-0024)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0033 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	267.62	32.59
07 57 13 00-0034 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	368.23	37.25
07 57 13 00-0035 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	468.83	41.90
07 57 13 00-0036 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	569.43	46.56
07 57 13 00-0037 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	670.04	51.22
07 57 13 00-0038 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	770.63	55.87
07 57 13 00-0039 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating (07 57 13 00-0024)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0040 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	275.60	32.59
07 57 13 00-0041 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	376.21	37.25
07 57 13 00-0042 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	476.81	41.90
07 57 13 00-0043 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	577.41	46.56
07 57 13 00-0044 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	678.02	51.22

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0045 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	778.61	55.87
07 58 Roll Roofing (07 50)		
07 58 00 00-0001 Prepared Roll Roofing (07 58) Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002 SQ Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	114.55	20.96
07 59 Membrane Roofing Accessories (07 50)		
07 59 00 00-0001 Membrane Roofing Accessories (07 59)		
07 59 00 00-0002 LF Roofing Membrane Termination Bar..... Note: Includes fasteners and caulking.	2.95	1.02
07 60 Flashing And Sheet Metal (07) Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 62 Sheet Metal Flashing And Trim (07 60)		
07 62 00 00-0001 Lead Flashing And Trim (07 62)		
07 62 00 00-0002 SF 2.5 LB/SF Sheet Lead Flashing.....	16.23	3.80
07 62 00 00-0003 SF 4 LB/SF Sheet Lead Flashing.....	20.87	3.80
07 62 00 00-0004 Copper Flashing And Trim (07 62)		
07 62 00 00-0005 Copper Flashing And Trim (07 62 00 00-0004)		
07 62 00 00-0006 SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -2.20 For >2,000, Deduct -2.63 For Copper Valley For Steep Slope Roofing, Add 1.47 For Wrap Around Window Panning, Add 7.36	15.81	3.72
07 62 00 00-0007 SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -2.28 For >2,000, Deduct -2.71 For Copper Valley For Steep Slope Roofing, Add 1.54 For Wrap Around Window Panning, Add 7.69	16.35	3.80
07 62 00 00-0008 SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -2.56 For >2,000, Deduct -3.08 For Copper Valley For Steep Slope Roofing, Add 1.61 For Wrap Around Window Panning, Add 8.06	18.45	4.07
07 62 00 00-0009 SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -3.07 For >2,000, Deduct -3.76 For Copper Valley For Steep Slope Roofing, Add 1.69 For Wrap Around Window Panning, Add 8.46	22.32	4.23
07 62 00 00-0010 Stainless Steel Flashing And Trim (07 62)		
07 62 00 00-0011 Stainless Steel Flashing And Trim (07 62 00 00-0010)		
07 62 00 00-0012 SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim..... For Wrap Around Window Panning, Add 5.22 For Mechanically Keyed Flashing, Add 0.99	7.69	2.03
07 62 00 00-0013 SF 28 Gauge, 0.015" Thick, Stainless Steel Flashing And Trim..... For Wrap Around Window Panning, Add 5.22 For Mechanically Keyed Flashing, Add 1.48	8.92	2.37
07 62 00 00-0014 SF 26 Gauge, 0.018" Thick, Stainless Steel Flashing And Trim..... For Wrap Around Window Panning, Add 5.57 For Mechanically Keyed Flashing, Add 1.85	10.19	2.79
07 62 00 00-0015 SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim..... For Wrap Around Window Panning, Add 5.88 For Mechanically Keyed Flashing, Add 2.46	12.04	2.96
07 62 00 00-0016 Stainless Steel Drip Edge (07 62 00 00-0010) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0017 LF 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	3.53	0.85
07 62 00 00-0018 LF 8" Girth, 24 Gauge, Stainless Steel Drip Edge.....	4.14	0.85
07 62 00 00-0019 Aluminum Flashing And Trim (07 62)		
07 62 00 00-0020 Aluminum Flashing And Trim (07 62 00 00-0019)		
07 62 00 00-0021 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim..... For Baked Aluminum Colors, Add 0.25 For Wrap Around Window Panning, Add 5.84	8.31	2.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0022 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	8.85 0.30 5.84	2.63
07 62 00 00-0023 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	9.28 0.34 5.84	2.63
07 62 00 00-0024 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	9.90 0.41 5.84	2.63
07 62 00 00-0025 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	10.76 0.49 5.84	2.63
07 62 00 00-0026 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.29 0.55 5.84	2.63
07 62 00 00-0027 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.72 0.59 5.84	2.63
07 62 00 00-0028 Aluminum Drip Edge <small>(07 62 00 00-0019)</small> Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0029 LF 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	2.93	0.76
07 62 00 00-0030 LF 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.11	0.76
07 62 00 00-0031 LF 5" Girth, 0.016" Thick, Painted Finish, Aluminum Drip Edge.....	3.13	0.76
07 62 00 00-0032 LF 5" Girth, 0.019" Thick, Painted Finish, Aluminum Drip Edge.....	3.33	0.76
07 62 00 00-0033 LF 8" Girth, 0.016" Thick, Painted Finish, Aluminum Drip Edge.....	3.99	0.76
07 62 00 00-0034 LF 8" Girth, 0.019" Thick, Painted Finish, Aluminum Drip Edge.....	4.32	0.76
07 62 00 00-0035 LF 28" Girth, 0.016" Thick, Painted Finish, Aluminum Drip Edge.....	14.69	2.96
07 62 00 00-0036 LF 28" Girth, 0.019" Thick, Painted Finish, Aluminum Drip Edge.....	15.83	2.96
07 62 00 00-0037 Aluminum Copings <small>(07 62 00 00-0019)</small> See CSI section 02 41 19 13-0313 for masonry coping removal.		
07 62 00 00-0038 Aluminum Coping System With Galvanized Steel Anchor Plate <small>(07 62 00 00-0037)</small>		
07 62 00 00-0039 LF 12-14" Wide (Stretch-out), 0.04" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Anchor Plate..... <i>For 6-8" Width (Stretch-out), Deduct</i> <i>For 9-11" Width (Stretch-out), Deduct</i> <i>For 15"-17" Width (Stretch-out), Add</i> <i>For 18-22" Width (Stretch-out), Add</i> <i>For 23-38" Width (Stretch-out), Add</i>	14.83 -2.76 -1.30 1.30 2.95 4.76	2.11
07 62 00 00-0040 LF 12-14" Wide (Stretch-out), 0.05" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Anchor Plate..... <i>For 6-8" Width (Stretch-out), Deduct</i> <i>For 9-11" Width (Stretch-out), Deduct</i> <i>For 15"-17" Width (Stretch-out), Add</i> <i>For 18-22" Width (Stretch-out), Add</i> <i>For 23-38" Width (Stretch-out), Add</i>	16.43 -2.76 -1.30 1.30 2.95 4.76	2.11
07 62 00 00-0041 LF 12-14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Anchor Plate..... <i>For 6-8" Width (Stretch-out), Deduct</i> <i>For 9-11" Width (Stretch-out), Deduct</i> <i>For 15"-17" Width (Stretch-out), Add</i> <i>For 18-22" Width (Stretch-out), Add</i> <i>For 23-38" Width (Stretch-out), Add</i>	17.70 -2.76 -1.30 1.30 2.95 4.76	2.11
07 62 00 00-0042 LF 12-14" Wide (Stretch-out), 0.08" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Anchor Plate..... <i>For 6-8" Width (Stretch-out), Deduct</i> <i>For 9-11" Width (Stretch-out), Deduct</i> <i>For 15"-17" Width (Stretch-out), Add</i> <i>For 18-22" Width (Stretch-out), Add</i> <i>For 23-38" Width (Stretch-out), Add</i>	18.66 -2.76 -1.30 1.30 2.95 4.76	2.11
07 62 00 00-0043 Aluminum Coping System With Galvanized Steel Cleats <small>(07 62 00 00-0037)</small>		
07 62 00 00-0044 LF 12-14" Wide (Stretch-out), 0.04" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats..... <i>For 6-8" Width (Stretch-out), Deduct</i> <i>For 9-11" Width (Stretch-out), Deduct</i> <i>For 15"-17" Width (Stretch-out), Add</i> <i>For 18-22" Width (Stretch-out), Add</i> <i>For 23-38" Width (Stretch-out), Add</i>	13.85 -2.59 -1.24 1.24 2.85 4.59	1.69
07 62 00 00-0045 LF 12-14" Wide (Stretch-out), 0.05" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats..... <i>For 6-8" Width (Stretch-out), Deduct</i> <i>For 9-11" Width (Stretch-out), Deduct</i> <i>For 15"-17" Width (Stretch-out), Add</i> <i>For 18-22" Width (Stretch-out), Add</i> <i>For 23-38" Width (Stretch-out), Add</i>	14.49 -2.59 -1.24 1.24 2.85 4.59	1.69
07 62 00 00-0046 LF 12-14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats..... <i>For 6-8" Width (Stretch-out), Deduct</i> <i>For 9-11" Width (Stretch-out), Deduct</i> <i>For 15"-17" Width (Stretch-out), Add</i> <i>For 18-22" Width (Stretch-out), Add</i> <i>For 23-38" Width (Stretch-out), Add</i>	15.13 -2.59 -1.24 1.24 2.85 4.59	1.69

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0047	LF		12-14" Wide (Stretch-out), 0.08" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.77	1.69
			<i>For 6-8" Width (Stretch-out), Deduct</i>	-2.59	
			<i>For 9-11" Width (Stretch-out), Deduct</i>	-1.24	
			<i>For 15-17" Width (Stretch-out), Add</i>	1.24	
			<i>For 18-22" Width (Stretch-out), Add</i>	2.85	
			<i>For 23-38" Width (Stretch-out), Add</i>	4.59	
07 62 00 00-0048			Steel Flashing And Trim <small>(07 62)</small>		
07 62 00 00-0049			Galvanized Steel Flashing And Trim <small>(07 62 00 00-0048)</small>		
07 62 00 00-0050	SF		26 Gauge, Galvanized Steel Flashing.....	10.44	2.71
			<i>For Wrap Around Window Panning, Add</i>	5.88	
07 62 00 00-0051	SF		24 Gauge, Galvanized Steel Flashing.....	10.80	2.71
			<i>For Wrap Around Window Panning, Add</i>	5.88	
07 62 00 00-0052			Galvanized Steel Drip Edge <small>(07 62 00 00-0048)</small>		
			Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0053	LF		5" Girth, 26 Gauge, Galvanized Steel Drip Edge	2.95	0.76
07 62 00 00-0054	LF		8" Girth, 26 Gauge, Galvanized Steel Drip Edge	3.71	0.76
07 62 00 00-0055			Galvanized Steel Fascia Panels <small>(07 62 00 00-0048)</small>		
07 62 00 00-0056	LF		4" Girth, 24 Gauge Galvanized Steel Fascia Panels.....	8.82	2.11
07 62 00 00-0057	LF		6" Girth, 24 Gauge Galvanized Steel Fascia Panels.....	8.25	2.11
07 62 00 00-0058	LF		8" Girth, 24 Gauge Galvanized Steel Fascia Panels.....	9.62	2.11
07 62 00 00-0059	LF		10" Girth, 24 Gauge Galvanized Steel Fascia Panels.....	9.90	2.11
07 63			Sheet Metal Roofing Specialties <small>(07 60)</small>		
07 63 00 00-0001			Pitch Pockets <small>(07 63)</small>		
			Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002			24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets <small>(07 63 00 00-0001)</small>		
07 63 00 00-0003	EA		4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	49.02	
			<i>For Pourable Sealer Filled, Add</i>	19.56	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	9.78	
07 63 00 00-0004	EA		6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	57.48	
			<i>For Pourable Sealer Filled, Add</i>	44.03	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	22.07	
07 63 00 00-0005	EA		8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	68.54	
			<i>For Pourable Sealer Filled, Add</i>	78.25	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	39.04	
07 63 00 00-0006	EA		8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	75.11	
			<i>For Pourable Sealer Filled, Add</i>	97.81	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	49.03	
07 63 00 00-0007	EA		8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	81.09	
			<i>For Pourable Sealer Filled, Add</i>	117.37	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	58.69	
07 63 00 00-0008	SF		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	93.71	
			<i>For Pourable Sealer Filled, Add</i>	176.05	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	87.57	
07 63 00 00-0009			16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets <small>(07 63 00 00-0001)</small>		
07 63 00 00-0010	EA		4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	74.64	
			<i>For Pourable Sealer Filled, Add</i>	19.56	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	9.78	
07 63 00 00-0011	EA		6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	87.35	
			<i>For Pourable Sealer Filled, Add</i>	44.03	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	22.07	
07 63 00 00-0012	EA		8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	103.67	
			<i>For Pourable Sealer Filled, Add</i>	78.25	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	39.04	
07 63 00 00-0013	EA		8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	113.53	
			<i>For Pourable Sealer Filled, Add</i>	97.81	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	49.03	
07 63 00 00-0014	EA		8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	120.91	
			<i>For Pourable Sealer Filled, Add</i>	117.37	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	58.69	
07 63 00 00-0015	SF		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	136.14	
			<i>For Pourable Sealer Filled, Add</i>	176.05	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	87.57	
07 63 00 00-0016			24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets <small>(07 63 00 00-0001)</small>		
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	60.43	
			<i>For Pourable Sealer Filled, Add</i>	19.56	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	9.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0018 EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	70.34	
<i>For Pourable Sealer Filled, Add</i>	44.03	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	22.07	
07 63 00 00-0019 EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	80.14	
<i>For Pourable Sealer Filled, Add</i>	78.25	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	39.04	
07 63 00 00-0020 EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	86.49	
<i>For Pourable Sealer Filled, Add</i>	97.81	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	49.03	
07 63 00 00-0021 EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	92.18	
<i>For Pourable Sealer Filled, Add</i>	117.37	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	58.69	
07 63 00 00-0022 SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	104.05	
<i>For Pourable Sealer Filled, Add</i>	176.05	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	87.57	
07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00		
<small>00-0001</small> Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024 EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	44.96	
<i>For Pourable Sealer Filled, Add</i>	19.56	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	9.78	
07 63 00 00-0025 EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	50.16	
<i>For Pourable Sealer Filled, Add</i>	44.03	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	22.07	
07 63 00 00-0026 EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	56.92	
<i>For Pourable Sealer Filled, Add</i>	78.25	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	39.04	
07 63 00 00-0027 EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	61.37	
<i>For Pourable Sealer Filled, Add</i>	97.81	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	49.03	
07 63 00 00-0028 EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	65.83	
<i>For Pourable Sealer Filled, Add</i>	117.37	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	58.69	
07 63 00 00-0029 SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	76.39	
<i>For Pourable Sealer Filled, Add</i>	176.05	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	87.57	
07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)		
<small>00-0001</small> Note: Includes 6" skirt base.		
07 63 00 00-0031 EA 1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	71.54	21.38
07 63 00 00-0032 EA 1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	71.54	21.38
07 63 00 00-0033 EA 2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	87.67	21.38
07 63 00 00-0034 EA 3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	96.89	21.38
07 63 00 00-0035 EA 4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	101.50	21.38
07 63 00 00-0036 EA 4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	103.81	21.38
07 63 00 00-0037 EA 6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	126.86	21.38
07 63 00 00-0038 EA 8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	137.23	21.38
07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)		
07 63 00 00-0040 EA 2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	48.71	13.82
07 63 00 00-0041 EA 3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	49.23	13.82
07 63 00 00-0042 EA 4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	51.10	13.82
07 63 00 00-0043 EA 6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	60.44	13.82
07 65 Flexible Flashing (07 65)		
07 65 16 Modified Bituminous Sheet Flashing (07 65)		
07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems (07 65 16)		
See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.		
07 65 16 00-0002 SF 60 Mil, Urethane Elastomer Liquid Applied Flashing.....	6.74	1.46
Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.		
07 65 19 Plastic Sheet Flashing (07 65)		
07 65 19 00-0001 Plastic Flashing And Trim (07 65 19)		
07 65 19 00-0002 Neoprene Flashing (07 65 19 00-0001)		
07 65 19 00-0003 60 Mil Neoprene Flashing (07 65 19 00-0002)		
07 65 19 00-0004 LF 6" Wide Strip, 60 Mil, Neoprene Flashing.....	5.59	1.89
07 65 19 00-0005 LF 12" Wide Strip, 60 Mil, Neoprene Flashing.....	7.21	2.03
07 65 19 00-0006 LF 18" Wide Strip, 60 Mil, Neoprene Flashing.....	9.06	2.23
07 65 19 00-0007 LF 24" Wide Strip, 60 Mil, Neoprene Flashing.....	11.02	2.51
07 65 33 Plastic Flashing (07 65)		

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 65 Flexible Flashing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 65 33 00-0001			Neoprene Roof Boot <small>(07 65 33)</small>		
07 65 33 00-0002	EA		Neoprene Roof Boot For 2" Diameter Pipe.....	23.60	5.80
07 65 33 00-0003	EA		Neoprene Roof Boot For 3" Diameter Pipe.....	27.39	6.50
07 65 33 00-0004	EA		Neoprene Roof Boot For 4" Diameter Pipe.....	30.17	6.98
07 70			Roof And Wall Specialties And Accessories <small>(07)</small>		
			Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 71			Roof Specialties <small>(07 70)</small>		
07 71 13			Manufactured Copings <small>(07 71)</small>		
07 71 13 00-0001			Remove And Reinstall Metal Coping <small>(07 71 13)</small>		
07 71 13 00-0002	LF		Remove And Reinstall Metal Coping	5.88	
07 71 19			Manufactured Gravel Stops And Fasciae <small>(07 71)</small>		
07 71 19 00-0001			Aluminum, Mill Finish, Set In Mastic <small>(07 71 19)</small>		
07 71 19 00-0002	LF		0.032" Thick Aluminum Gravel Stop, 4" Face Height, Mill Finish.....	4.29	0.93
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	0.78	
			For Painted Finish, Add	0.56	
07 71 19 00-0003	LF		0.040" Thick Aluminum Gravel Stop, 6" Face Height, Mill Finish.....	4.78	1.10
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	0.88	
			For Painted Finish, Add	0.64	
07 71 19 00-0004	LF		0.040" Thick Aluminum Gravel Stop, 8" Face Height, Mill Finish.....	5.51	1.27
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	1.07	
			For Painted Finish, Add	0.78	
07 71 19 00-0005	LF		0.040" Thick Aluminum Gravel Stop, 12" Face Height, Mill Finish.....	7.76	1.44
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	1.64	
			For Painted Finish, Add	1.19	
07 71 19 00-0006	LF		0.05" Thick Aluminum Gravel Stop, 4" Height, Mill Finish.....	5.10	1.36
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	0.79	
			For Painted Finish, Add	0.57	
07 71 19 00-0007	LF		0.05" Thick Aluminum Gravel Stop, 6" Height, Mill Finish.....	5.89	1.52
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	0.94	
			For Painted Finish, Add	0.68	
07 71 19 00-0008	LF		0.05" Thick Aluminum Gravel Stop, 8" Height, Mill Finish.....	6.83	1.69
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	1.14	
			For Painted Finish, Add	0.83	
07 71 19 00-0009	LF		0.05" Thick Aluminum Gravel Stop, 12" Height, Mill Finish.....	9.86	2.03
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	1.91	
			For Painted Finish, Add	1.39	
07 71 19 00-0010	LF		0.064" Thick Aluminum Gravel Stop, 4" Face Height, Mill Finish.....	6.96	1.94
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	1.01	
			For Painted Finish, Add	0.73	
07 71 19 00-0011	LF		0.064" Thick Aluminum Gravel Stop, 6" Face Height, Mill Finish.....	7.96	2.11
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	1.23	
			For Painted Finish, Add	0.90	
07 71 19 00-0012	LF		0.064" Thick Aluminum Gravel Stop, 8" Face Height, Mill Finish.....	9.28	2.33
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	1.53	
			For Painted Finish, Add	1.11	
07 71 19 00-0013	LF		0.064" Thick Aluminum Gravel Stop, 12" Face Height, Mill Finish.....	11.82	2.79
			For 70% Fluoropolymer Exterior Finish (Duranar), Add	2.06	
			For Painted Finish, Add	1.50	
07 71 19 00-0014			Stainless Steel <small>(07 71 19)</small>		
07 71 19 00-0015	LF		24 Gauge, Stainless Steel Gravel Stop, 4" - 6" Height.....	15.16	2.54
07 71 19 00-0016	LF		24 Gauge, Stainless Steel Gravel Stop, 8" -10" Height.....	21.04	3.05
07 71 19 00-0017	LF		24 Gauge, Stainless Steel Gravel Stop, 12" Height.....	26.54	3.64
07 71 19 00-0018	LF		20 Gauge, Stainless Steel Gravel Stop, 4" - 6" Height.....	16.51	2.54
07 71 19 00-0019	LF		20 Gauge, Stainless Steel Gravel Stop, 8" -10" Height.....	23.47	3.05
07 71 19 00-0020	LF		20 Gauge, Stainless Steel Gravel Stop, 12" Height.....	30.07	3.64
07 71 19 00-0021			Galvanized Steel <small>(07 71 19)</small>		
07 71 19 00-0022	LF		24 Gauge Galvanized Steel Gravel Stop, 4" Face, With Continuous Cleat.....	8.08	2.54
07 71 19 00-0023	LF		24 Gauge Galvanized Steel Gravel Stop, 6" Face, With Continuous Cleat.....	8.34	2.54
07 71 19 00-0024			Copper <small>(07 71 19)</small>		
07 71 19 00-0025	LF		2-1/2" Face Copper Gravel Stop.....	10.52	2.03
07 71 19 00-0026	LF		4" Face Copper Gravel Stop.....	12.24	2.41
07 71 19 00-0027	LF		6" Face Copper Gravel Stop.....	14.47	2.94
07 71 19 00-0028	LF		8" Face Copper Gravel Stop.....	16.09	3.20
07 71 19 00-0029	LF		10" Face Copper Gravel Stop.....	17.59	3.64
07 71 19 00-0030			Polyvinyl Chloride (PVC) <small>(07 71 19)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0031 LF Polyvinyl Chloride (PVC) Gravel Stop, 6" Height	7.58	2.27
07 71 19 00-0032 LF Polyvinyl Chloride (PVC) Gravel Stop, 9" Height	8.91	2.65
07 71 19 00-0033 EA Polyvinyl Chloride (PVC) Downspout Clamps Up To 4".....	9.15	1.89
 07 71 23 Manufactured Gutters And Downspouts (07 71)		
Note: Includes all necessary support straps.		
07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0004 LF 5", 0.027" Thick, K-Style Aluminum Gutter	5.19	2.11
For Kynar 500® Finish, Add		0.75
07 71 23 00-0005 LF 6", 0.027" Thick, K-Style Aluminum Gutter	5.65	2.11
For Kynar 500® Finish, Add		0.95
07 71 23 00-0006 LF 5", 0.032" Thick, K-Style Aluminum Gutter	5.43	2.11
For Kynar 500® Finish, Add		0.86
07 71 23 00-0007 LF 6", 0.032" Thick, K-Style Aluminum Gutter	5.95	2.11
For Kynar 500® Finish, Add		1.09
07 71 23 00-0008 LF 7", 0.032" Thick, K-Style Aluminum Gutter	11.36	2.11
For Kynar 500® Finish, Add		3.52
07 71 23 00-0009 LF 8", 0.032" Thick, K-Style Aluminum Gutter	12.09	2.11
For Kynar 500® Finish, Add		3.85
07 71 23 00-0010 LF 8", 0.040" Thick, K-Style Aluminum Gutter	13.75	2.11
For Kynar 500® Finish, Add		4.60
07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012 LF 5", 0.027" Thick, Half Round Aluminum Gutter	9.98	2.11
For Kynar 500® Finish, Add		2.90
07 71 23 00-0013 LF 6", 0.032" Thick, Half Round Aluminum Gutter	11.93	2.11
For Kynar 500® Finish, Add		3.78
07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015 LF 6", 0.027" Thick, Box Style Aluminum Gutter.....	9.51	2.11
For Kynar 500® Finish, Add		2.69
07 71 23 00-0016 LF 6", 0.032" Thick, Box Style Aluminum Gutter.....	9.54	2.11
For Kynar 500® Finish, Add		2.70
07 71 23 00-0017 LF 7", 0.032" Thick, Box Style Aluminum Gutter.....	11.02	2.11
For Kynar 500® Finish, Add		3.37
07 71 23 00-0018 LF 8", 0.032" Thick, Box Style Aluminum Gutter.....	12.35	2.11
For Kynar 500® Finish, Add		3.97
07 71 23 00-0019 Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020 K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021 EA 5", K-Style Aluminum Gutter End Cap	2.27	
For Kynar 500® Finish, Add		0.26
07 71 23 00-0022 EA 6", K-Style Aluminum Gutter End Cap	2.74	
For Kynar 500® Finish, Add		0.47
07 71 23 00-0023 EA 7", K-Style Aluminum Gutter End Cap	5.59	
For Kynar 500® Finish, Add		1.76
07 71 23 00-0024 EA 8", K-Style Aluminum Gutter End Cap	6.46	
For Kynar 500® Finish, Add		2.15
07 71 23 00-0025 Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026 EA 5", Half Round Aluminum Gutter End Cap.....	3.46	
For Kynar 500® Finish, Add		0.80
07 71 23 00-0027 EA 6", Half Round Aluminum Gutter End Cap.....	5.20	
For Kynar 500® Finish, Add		1.58
07 71 23 00-0028 Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029 EA 6", Box Style Aluminum Gutter End Cap.....	6.07	
For Kynar 500® Finish, Add		1.97
07 71 23 00-0030 EA 7", Box Style Aluminum Gutter End Cap.....	6.57	
For Kynar 500® Finish, Add		2.20
07 71 23 00-0031 EA 8", Box Style Aluminum Gutter End Cap.....	7.66	
For Kynar 500® Finish, Add		2.69
07 71 23 00-0032 Aluminum Gutter Miters (07 71 23 00-0001)		
Note: Inside or outside miters.		
07 71 23 00-0033 K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034 EA 5", K-Style Aluminum Gutter Miter	7.52	
For Kynar 500® Finish, Add		2.05

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71	23 00-0035	EA	6", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	10.85 3.55	
07 71	23 00-0036	EA	7", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	40.96 17.10	
07 71	23 00-0037	EA	8", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	44.34 18.62	
07 71	23 00-0038		Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71	23 00-0039	EA	5", Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	15.90 5.82	
07 71	23 00-0040	EA	6", Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	26.78 10.72	
07 71	23 00-0041		Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71	23 00-0042	EA	6", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	32.74 13.40	
07 71	23 00-0043	EA	7", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	50.47 21.38	
07 71	23 00-0044	EA	8", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	54.68 23.27	
07 71	23 00-0045		Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71	23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer <i>For Kynar 500® Finish, Add</i>	8.88 2.01	2.11
07 71	23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer <i>For Kynar 500® Finish, Add</i>	12.64 3.70	2.11
07 71	23 00-0048		Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71	23 00-0049		Round Aluminum Downspouts (07 71 23 00-0048)		
07 71	23 00-0050	LF	3" Diameter, Round Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	4.47 1.02	2.03
07 71	23 00-0051	LF	4" Diameter, Round Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	5.01 1.26	2.03
07 71	23 00-0052		Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71	23 00-0053	LF	2" x 3", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	3.37 0.53	2.03
07 71	23 00-0054	LF	3" x 4", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	4.04 0.83	2.03
07 71	23 00-0055	LF	4" x 5", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	6.90 2.12	2.03
07 71	23 00-0056		Aluminum Devices (07 71 23 00-0001)		
07 71	23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet <i>For Kynar 500® Finish, Add</i>	97.04 20.10	15.71
07 71	23 00-0058	EA	Aluminum Leader/Conductor Head <i>For Kynar 500® Finish, Add</i>	133.91 44.55	17.46
07 71	23 00-0059		Copper Gutters And Downspouts (07 71 23)		
07 71	23 00-0060		Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71	23 00-0061		K-Style Copper Gutters (07 71 23 00-0060)		
07 71	23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter <i>For Kynar 500® Finish, Add</i>	13.22 19.28	2.11
07 71	23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter <i>For Kynar 500® Finish, Add</i>	19.28 23.15	2.11
07 71	23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter <i>For Kynar 500® Finish, Add</i>	23.15 24.94	2.11
07 71	23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter <i>For Kynar 500® Finish, Add</i>	24.94 31.16	2.11
07 71	23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter <i>For Kynar 500® Finish, Add</i>	31.16 36.19	2.11
07 71	23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter <i>For Kynar 500® Finish, Add</i>	36.19 39.92	2.11
07 71	23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter <i>For Kynar 500® Finish, Add</i>	39.92	2.11
07 71	23 00-0069		Half Round Copper Gutters (07 71 23 00-0060)		
07 71	23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter <i>For Kynar 500® Finish, Add</i>	16.33 20.95	2.11
07 71	23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter <i>For Kynar 500® Finish, Add</i>	20.95 36.33	2.11
07 71	23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter <i>For Kynar 500® Finish, Add</i>	36.33 19.42	2.11
07 71	23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter <i>For Kynar 500® Finish, Add</i>	19.42 24.23	2.11
07 71	23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter <i>For Kynar 500® Finish, Add</i>	24.23 38.33	2.11
07 71	23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter <i>For Kynar 500® Finish, Add</i>	38.33 43.29	2.11
07 71	23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter <i>For Kynar 500® Finish, Add</i>	43.29	2.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0077 Copper Gutter End Caps <small>(07 71 23 00-0059)</small>		
07 71 23 00-0078 K-Style, Copper Gutter End Caps <small>(07 71 23 00-0077)</small>		
07 71 23 00-0079 EA 4", K-Style Copper Gutter End Cap	5.03	
07 71 23 00-0080 EA 5", K-Style Copper Gutter End Cap	5.40	
07 71 23 00-0081 EA 6", K-Style Copper Gutter End Cap	5.77	
07 71 23 00-0082 EA 7", K-Style Copper Gutter End Cap	15.66	
07 71 23 00-0083 EA 8", K-Style Copper Gutter End Cap	19.13	
07 71 23 00-0084 Half Round, Copper Gutter End Caps <small>(07 71 23 00-0077)</small>		
07 71 23 00-0085 EA 4", Half Round Copper Gutter End Cap	6.13	
07 71 23 00-0086 EA 5", Half Round Copper Gutter End Cap	6.91	
07 71 23 00-0087 EA 6", Half Round Copper Gutter End Cap	10.53	
07 71 23 00-0088 EA 7", Half Round Copper Gutter End Cap	32.07	
07 71 23 00-0089 EA 8", Half Round Copper Gutter End Cap	37.91	
07 71 23 00-0090 Copper Gutter Miters <small>(07 71 23 00-0059)</small>		
Note: Inside or outside miters.		
07 71 23 00-0091 K-Style, Copper Gutter Miters <small>(07 71 23 00-0090)</small>		
07 71 23 00-0092 EA 4", K-Style Copper Gutter Miter	27.74	
07 71 23 00-0093 EA 5", K-Style Copper Gutter Miter	31.54	
07 71 23 00-0094 EA 6", K-Style Copper Gutter Miter	47.61	
07 71 23 00-0095 EA 7", K-Style Copper Gutter Miter	69.68	
07 71 23 00-0096 EA 8", K-Style Copper Gutter Miter	82.36	
07 71 23 00-0097 Half Round, Copper Gutter Miters <small>(07 71 23 00-0090)</small>		
07 71 23 00-0098 EA 4", Half Round Copper Gutter Miter	46.61	
07 71 23 00-0099 EA 5", Half Round Copper Gutter Miter	42.00	
07 71 23 00-0100 EA 6", Half Round Copper Gutter Miter	62.75	
07 71 23 00-0101 EA 7", Half Round Copper Gutter Miter	75.56	
07 71 23 00-0102 EA 8", Half Round Copper Gutter Miter	89.96	
07 71 23 00-0103 Copper Gutter Wire Strainers <small>(07 71 23 00-0059)</small>		
07 71 23 00-0104 EA 2" Diameter, Round Copper Wire Strainer	11.17	2.11
07 71 23 00-0105 EA 3" Diameter, Round Copper Wire Strainer	13.40	2.11
07 71 23 00-0106 EA 4" Diameter, Round Copper Wire Strainer	20.65	2.11
07 71 23 00-0107 EA 5" Diameter, Round Copper Wire Strainer	26.97	2.11
07 71 23 00-0108 EA 6" Diameter, Round Copper Wire Strainer	32.26	2.11
07 71 23 00-0109 Copper Downspouts <small>(07 71 23 00-0059)</small>		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110 Round Copper Downspouts <small>(07 71 23 00-0109)</small>		
07 71 23 00-0111 LF 2" Diameter, 16 Ounce, Round Copper Downspout	21.34	2.03
07 71 23 00-0112 LF 3" Diameter, 16 Ounce, Round Copper Downspout	14.81	2.03
07 71 23 00-0113 LF 4" Diameter, 16 Ounce, Round Copper Downspout	18.71	2.03
07 71 23 00-0114 LF 5" Diameter, 16 Ounce, Round Copper Downspout	30.02	2.03
07 71 23 00-0115 LF 6" Diameter, 16 Ounce, Round Copper Downspout	38.65	2.03
07 71 23 00-0116 LF 3" Diameter, 20 Ounce, Round Copper Downspout	20.10	2.03
07 71 23 00-0117 LF 4" Diameter, 20 Ounce, Round Copper Downspout	26.13	2.03
07 71 23 00-0118 LF 5" Diameter, 20 Ounce, Round Copper Downspout	39.83	2.03
07 71 23 00-0119 Square Copper Downspouts <small>(07 71 23 00-0109)</small>		
07 71 23 00-0120 LF 3" Diameter, 16 Ounce, Square Copper Downspout	10.20	2.03
07 71 23 00-0121 LF 4" Diameter, 16 Ounce, Square Copper Downspout	12.79	2.03
07 71 23 00-0122 LF 5" Diameter, 16 Ounce, Square Copper Downspout	18.39	2.03
07 71 23 00-0123 LF 3" Diameter, 20 Ounce, Square Copper Downspout	11.80	2.03
07 71 23 00-0124 LF 4" Diameter, 20 Ounce, Square Copper Downspout	15.04	2.03
07 71 23 00-0125 LF 5" Diameter, 20 Ounce, Square Copper Downspout	21.69	2.03
07 71 23 00-0126 Rectangular Copper Downspouts <small>(07 71 23 00-0109)</small>		
07 71 23 00-0127 LF 2" x 3", 16 Ounce, Rectangular Copper Downspout	15.21	2.03
07 71 23 00-0128 LF 3" x 4", 16 Ounce, Rectangular Copper Downspout	19.29	2.03
07 71 23 00-0129 LF 4" x 5", 16 Ounce, Rectangular Copper Downspout	27.52	2.03
07 71 23 00-0130 LF 2" x 3", 20 Ounce, Rectangular Copper Downspout	17.75	2.03
07 71 23 00-0131 LF 3" x 4", 20 Ounce, Rectangular Copper Downspout	22.80	2.03
07 71 23 00-0132 LF 4" x 5", 20 Ounce, Rectangular Copper Downspout	32.82	2.03
07 71 23 00-0133 Copper Devices And Accessories <small>(07 71 23 00-0059)</small>		
07 71 23 00-0134 EA Thru-Wall Copper Scupper Outlet.....	161.34	15.71
07 71 23 00-0135 EA Copper Leader/Conductor Head.....	242.35	17.46

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0136 EA Copper Eave Box.....	110.11	12.69
07 71 23 00-0137 Galvanized Steel Gutters And Downspouts (07 71 23)		
07 71 23 00-0138 Galvanized Steel Gutters (07 71 23 00-0137) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139 K-Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0140 LF 5", 26 Gauge, K-Style Galvanized Steel Gutter For Kynar 500® Finish, Add	6.23 1.22	2.11
07 71 23 00-0141 LF 6", 26 Gauge, K-Style Galvanized Steel Gutter For Kynar 500® Finish, Add	7.05 1.58	2.11
07 71 23 00-0142 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter For Kynar 500® Finish, Add	16.63 5.90	2.11
07 71 23 00-0143 LF 8", 24 Gauge, K-Style Galvanized Steel Gutter For Kynar 500® Finish, Add	17.10 6.11	2.11
07 71 23 00-0144 Half Round Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0145 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter For Kynar 500® Finish, Add	9.01 2.47	2.11
07 71 23 00-0146 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter For Kynar 500® Finish, Add	11.15 3.43	2.11
07 71 23 00-0147 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter For Kynar 500® Finish, Add	27.81 10.93	2.11
07 71 23 00-0148 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter For Kynar 500® Finish, Add	29.31 11.60	2.11
07 71 23 00-0149 Box Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0150 LF 7", 26 Gauge, Box Style Galvanized Steel Gutter For Kynar 500® Finish, Add	17.70 6.38	2.11
07 71 23 00-0151 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter For Kynar 500® Finish, Add	18.78 6.86	2.11
07 71 23 00-0152 Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0153 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0152)		
07 71 23 00-0154 EA 5", K-Style Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	3.30 0.72	
07 71 23 00-0155 EA 6", K-Style Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	3.73 0.92	
07 71 23 00-0156 EA 7", K-Style Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	7.50 2.61	
07 71 23 00-0157 EA 8", K-Style Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	10.66 4.04	
07 71 23 00-0158 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0152)		
07 71 23 00-0159 EA 5", Half Round Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	4.11 1.09	
07 71 23 00-0160 EA 6", Half Round Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	4.65 1.33	
07 71 23 00-0161 EA 7", Half Round Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	8.23 2.94	
07 71 23 00-0162 EA 8", Half Round Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	10.94 4.16	
07 71 23 00-0163 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0152)		
07 71 23 00-0164 EA 7", Box Style Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	9.21 3.38	
07 71 23 00-0165 EA 8", Box Style Galvanized Steel Gutter End Cap For Kynar 500® Finish, Add	12.17 4.72	
07 71 23 00-0166 Galvanized Steel Gutter Miters (07 71 23 00-0137) Note: Inside or outside miters.		
07 71 23 00-0167 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0166)		
07 71 23 00-0168 EA 5", K-Style Galvanized Steel Gutter Miter For Kynar 500® Finish, Add	13.91 4.93	
07 71 23 00-0169 EA 6", K-Style Galvanized Steel Gutter Miter For Kynar 500® Finish, Add	23.91 9.43	
07 71 23 00-0170 EA 7", K-Style Galvanized Steel Gutter Miter For Kynar 500® Finish, Add	39.81 16.58	
07 71 23 00-0171 EA 8", K-Style Galvanized Steel Gutter Miter For Kynar 500® Finish, Add	44.74 18.80	
07 71 23 00-0172 Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0166)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0173 EA 5", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	20.10 7.71	
07 71 23 00-0174 EA 6", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	22.54 8.81	
07 71 23 00-0175 EA 7", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	69.55 29.97	
07 71 23 00-0176 EA 8", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	73.25 31.63	
07 71 23 00-0177 Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0166)		
07 71 23 00-0178 EA 7", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	42.27 17.69	
07 71 23 00-0179 EA 8", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	44.74 18.80	
07 71 23 00-0180 Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		
07 71 23 00-0181 EA 3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	7.97 1.60	2.11
07 71 23 00-0182 EA 4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	11.00 2.97	2.11
07 71 23 00-0183 Galvanized Steel Downspouts (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0184 Round Galvanized Steel Downspouts (07 71 23 00-0183)		
07 71 23 00-0185 LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	4.17 0.89	2.03
07 71 23 00-0186 LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	5.01 1.26	2.03
07 71 23 00-0187 LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	6.57 1.97	2.03
07 71 23 00-0188 LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	13.77 5.21	2.03
07 71 23 00-0189 Square Galvanized Steel Downspouts (07 71 23 00-0183)		
07 71 23 00-0190 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	4.64 1.10	2.03
07 71 23 00-0191 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	5.75 1.60	2.03
07 71 23 00-0192 Rectangular Galvanized Steel Downspouts (07 71 23 00-0183)		
07 71 23 00-0193 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	4.23 0.91	2.03
07 71 23 00-0194 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	5.21 1.35	2.03
07 71 23 00-0195 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	9.07 3.09	2.03
07 71 23 00-0196 Galvanized Steel Devices (07 71 23 00-0137)		
07 71 23 00-0197 EA Galvanized Steel Leader/Conductor Head <i>For Kynar 500® Finish, Add</i>	160.72 56.61	17.46
07 71 23 00-0198 EA Thru-Wall Galvanized Steel Scupper Outlet <i>For Kynar 500® Finish, Add</i>	106.30 24.26	15.71
07 71 23 00-0199 Stainless Steel Gutters And Downspouts (07 71 23) Note: AISI type 304 stainless steel.		
07 71 23 00-0200 Stainless Steel Gutters (07 71 23 00-0199) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0201 K-Style Stainless Steel Gutters (07 71 23 00-0200)		
07 71 23 00-0202 LF 5", 0.018" Thick, K-Style Stainless Steel Gutter.....	15.62	2.11
07 71 23 00-0203 LF 6", 0.018" Thick, K-Style Stainless Steel Gutter.....	18.64	2.11
07 71 23 00-0204 Half Round Stainless Steel Gutters (07 71 23 00-0200)		
07 71 23 00-0205 LF 5", 0.018" Thick, Half Round Stainless Steel Gutter	21.83	2.11
07 71 23 00-0206 LF 6", 0.018" Thick, Half Round Stainless Steel Gutter	26.37	2.11
07 71 23 00-0207 Stainless Steel Gutter End Caps (07 71 23 00-0199)		
07 71 23 00-0208 K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0207)		
07 71 23 00-0209 EA 5", K-Style Stainless Steel Gutter End Cap	5.47	
07 71 23 00-0210 EA 6", K-Style Stainless Steel Gutter End Cap	6.23	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0211	Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0207)		
07 71 23 00-0212	EA 5", Half Round Stainless Steel Gutter End Cap	6.42	
07 71 23 00-0213	EA 6", Half Round Stainless Steel Gutter End Cap	7.36	
07 71 23 00-0214	Stainless Steel Gutter Miters (07 71 23 00-0199) Note: Inside or outside box miters.		
07 71 23 00-0215	K-Style, Stainless Steel Gutter Miters (07 71 23 00-0214)		
07 71 23 00-0216	EA 5", K-Style Stainless Steel Gutter Miter	22.49	
07 71 23 00-0217	EA 6", K-Style Stainless Steel Gutter Miter	37.62	
07 71 23 00-0218	Half Round, Stainless Steel Gutter Miters (07 71 23 00-0214)		
07 71 23 00-0219	EA 5", Half Round Stainless Steel Gutter Miter	60.30	
07 71 23 00-0220	EA 6", Half Round Stainless Steel Gutter Miter	74.14	
07 71 23 00-0221	Stainless Steel Gutter Wire Strainers (07 71 23 00-0199)		
07 71 23 00-0222	EA 3" Diameter, Round Stainless Steel Wire Strainer	23.56	2.11
07 71 23 00-0223	EA 4" Diameter, Round Stainless Steel Wire Strainer	24.08	2.11
07 71 23 00-0224	Stainless Steel Downspouts (07 71 23 00-0199) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0225	Round Stainless Steel Downspouts (07 71 23 00-0224)		
07 71 23 00-0226	LF 3" Diameter, 0.018" Thick, Round Stainless Steel Downspout	15.19	2.03
07 71 23 00-0227	LF 4" Diameter, 0.018" Thick, Round Stainless Steel Downspout	26.99	2.03
07 71 23 00-0228	LF 5" Diameter, 0.018" Thick, Round Stainless Steel Downspout	41.43	2.03
07 71 23 00-0229	Rectangular Stainless Steel Downspouts (07 71 23 00-0224)		
07 71 23 00-0230	LF 2" x 3", 0.018" Thick, Rectangular Stainless Steel Downspout	10.23	2.03
07 71 23 00-0231	LF 3" x 4", 0.018" Thick, Rectangular Stainless Steel Downspout	13.49	2.03
07 71 23 00-0232	LF 4" x 5", 0.018" Thick, Rectangular Stainless Steel Downspout	32.68	2.03
07 71 23 00-0233	Stainless Steel Devices (07 71 23 00-0199)		
07 71 23 00-0234	EA Thru-Wall Stainless Steel Scupper Outlet	183.88	19.04
07 71 23 00-0235	EA Stainless Steel Leader/Conductor Head	218.43	19.04
07 71 23 00-0236	Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0237	Vinyl Gutters (07 71 23 00-0236) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0238	K-Style Vinyl Gutters (07 71 23 00-0237)		
07 71 23 00-0239	LF 4", K-Style Vinyl Gutter	6.75	2.11
07 71 23 00-0240	LF 5", K-Style Vinyl Gutter	8.40	2.11
07 71 23 00-0241	Half Round Vinyl Gutters (07 71 23 00-0237)		
07 71 23 00-0242	LF 4", Half Round Vinyl Gutter	6.94	2.11
07 71 23 00-0243	LF 5", Half Round Vinyl Gutter	7.24	2.11
07 71 23 00-0244	Vinyl Gutter End Caps (07 71 23 00-0236)		
07 71 23 00-0245	K-Style, Vinyl Gutter End Caps (07 71 23 00-0244)		
07 71 23 00-0246	EA 4", K-Style Vinyl Gutter End Cap	4.02	
07 71 23 00-0247	EA 5", K-Style Vinyl Gutter End Cap	5.40	
07 71 23 00-0248	Half Round, Vinyl Gutter End Caps (07 71 23 00-0244)		
07 71 23 00-0249	EA 4", Half Round Vinyl Gutter End Cap	4.53	
07 71 23 00-0250	EA 5", Half Round Vinyl Gutter End Cap	4.30	
07 71 23 00-0251	Vinyl Gutter Miters (07 71 23 00-0236) Note: Inside or outside miters.		
07 71 23 00-0252	K-Style, Vinyl Gutter Miters (07 71 23 00-0251)		
07 71 23 00-0253	EA 4", K-Style Vinyl Gutter Miter	9.67	
07 71 23 00-0254	EA 5", K-Style Vinyl Gutter Miter	14.10	
07 71 23 00-0255	Half Round, Vinyl Gutter Miters (07 71 23 00-0251)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0256 EA 4", Half Round Vinyl Gutter Miter.....	9.67	
07 71 23 00-0257 EA 5", Half Round Vinyl Gutter Miter.....	10.43	
07 71 23 00-0258 Vinyl Downspouts (07 71 23 00-0236) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0259 Round Vinyl Downspouts (07 71 23 00-0258)		
07 71 23 00-0260 LF 2-1/2" Diameter, Round Vinyl Downspout.....	4.40	2.03
07 71 23 00-0261 LF 3" Diameter, Round Vinyl Downspout.....	4.56	2.03
07 71 23 00-0262 Square Vinyl Downspouts (07 71 23 00-0258)		
07 71 23 00-0263 LF 2-1/2", Square Vinyl Downspout.....	4.33	2.03
07 71 23 00-0264 Rectangular Vinyl Downspouts (07 71 23 00-0258)		
07 71 23 00-0265 LF 2" x 3", Rectangular Vinyl Downspout	5.37	2.03
07 71 23 00-0266 Gutter And Downspout Boot (07 71 23)		
07 71 23 00-0267 Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0266)		
07 71 23 00-0268 EA 2" x 3" Cast Iron Roof Drainage Downspout Boot.....	231.86	3.05
07 71 23 00-0269 EA 3" x 4" Cast Iron Roof Drainage Downspout Boot.....	251.75	3.05
07 71 23 00-0270 EA 4" x 5" Cast Iron Roof Drainage Downspout Boot.....	300.03	3.05
07 71 23 00-0271 Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0272 LF Aluminum Mesh Gutter Leaf Guard	1.74	0.60
07 71 23 00-0273 LF Vinyl Mesh Gutter Leaf Guard	1.78	0.60
07 71 23 00-0274 LF 6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	11.22	0.75
07 71 23 00-0275 LF 9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.08	0.75
07 71 23 00-0276 LF 6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	8.53	0.75
07 71 23 00-0277 LF 9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.19	0.75
07 71 23 00-0278 EA Cleanout Roof Drain	101.27	
Note: Includes removing dome and flushing.		
07 71 23 00-0279 LF Clean Gutters And Downspouts.....	1.18	
07 71 26 Reglets (07 71)		
07 71 26 00-0001 Reglet With Counter Flashing (07 71 26)		
Note: Includes reglet cut.		
07 71 26 00-0002 LF 0.025" Thick, Aluminum Reglet With Counter Flashing Up To 12" Wide	9.97	1.78
07 71 26 00-0003 LF 10 Ounce Copper Reglet With Counter Flashing Up To 12" Wide.....	12.86	1.78
07 71 26 00-0004 LF 16 Ounce Copper Reglet With Counter Flashing Up To 12" Wide.....	14.09	1.78
07 71 26 00-0005 LF 28 Gauge Galvanized Steel Reglet With Counter Flashing Up To 12" Wide	9.82	1.69
07 71 26 00-0006 LF 26 Gauge Galvanized Steel Reglet With Counter Flashing Up To 12" Wide	10.07	1.69
07 71 26 00-0007 LF 24 Gauge Galvanized Steel Reglet With Counter Flashing Up To 12" Wide	10.29	1.78
07 71 26 00-0008 LF 22 Gauge Galvanized Steel Reglet With Counter Flashing Up To 12" Wide	10.53	1.78
07 71 26 00-0009 LF 20 Gauge Galvanized Steel Reglet With Counter Flashing Up To 12" Wide	10.78	1.69
07 71 26 00-0010 LF 18 Gauge Galvanized Steel Reglet With Counter Flashing Up To 12" Wide	11.10	1.78
07 71 26 00-0011 LF 24 Gauge Stainless Steel Reglet With Counter Flashing Up To 12" Wide.....	14.02	1.69
07 71 26 00-0012 LF 20 Gauge Stainless Steel Reglet With Counter Flashing Up To 12" Wide.....	15.18	1.69
07 71 26 00-0013 LF 20 Ounce Zinc And Copper Reglet With Counter Flashing Up To 12" Wide.....	15.80	1.69
07 72 Roof Accessories (07 70)		
07 72 13 Manufactured Curbs (07 72)		
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13)		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001) Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	296.17	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.86	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	51.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....302.17 For Sloped Roofs Up To 1 In 12 Pitch, Add 22.46 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 52.68 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 4.05 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 32.05 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 42.05	302.17	77.59
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....324.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 23.73 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 56.19 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 4.95 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 39.95 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 46.95	324.57	87.28
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....347.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 26.03 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 60.79 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 6.60 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 51.60 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 58.60	347.57	87.28
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....364.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 27.73 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 64.19 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 9.15 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 58.15 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 64.15	364.57	87.28
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....451.96 For Sloped Roofs Up To 1 In 12 Pitch, Add 35.50 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 80.69 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 10.95 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 55.95 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 74.95	451.96	96.98
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....304.17 For Sloped Roofs Up To 1 In 12 Pitch, Add 22.66 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 53.08 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 5.25 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 45.25 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 63.25	304.17	77.59
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....325.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 23.83 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 56.39 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 6.30 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 48.30 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 65.30	325.57	87.28
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....338.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 25.13 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 58.99 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 7.80 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 51.80 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 65.80	338.57	87.28
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....343.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 25.63 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 59.99 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 9.30 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 57.30 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 70.30	343.57	87.28
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....435.96 For Sloped Roofs Up To 1 In 12 Pitch, Add 33.90 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 77.49 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 12.00 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 65.00 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 85.00	435.96	96.98
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....476.36 For Sloped Roofs Up To 1 In 12 Pitch, Add 36.97 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 84.60 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 14.70 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 75.70 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 99.70	476.36	106.68
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....371.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 28.43 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 65.59 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 8.10 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 52.10 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 63.10	371.57	87.28
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....403.96 For Sloped Roofs Up To 1 In 12 Pitch, Add 30.70 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 71.09 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 9.75 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 50.75 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 70.75	403.96	96.98
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....414.96 For Sloped Roofs Up To 1 In 12 Pitch, Add 31.80 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 73.29 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 11.55 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 46.55 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 80.55	414.96	96.98



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0020	EA			50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	455.36 34.87 80.40 13.50 58.50 90.50	106.68
07 72 13 00-0021	EA			51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	486.76 37.04 85.71 15.45 71.45 96.45	116.38
07 72 13 00-0022	EA			51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	526.15 40.01 92.62 18.60 81.60 115.60	126.08
07 72 13 00-0023	EA			62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	414.96 31.80 73.29 12.30 45.30 83.30	96.98
07 72 13 00-0024	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	444.36 33.77 78.20 14.10 63.10 94.10	106.68
07 72 13 00-0025	EA			62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	485.76 36.94 85.51 18.30 67.30 96.30	116.38
07 72 13 00-0026	EA			62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	495.76 37.94 87.51 18.30 67.30 117.30	116.38
07 72 13 00-0027	EA			62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	537.15 41.11 94.82 23.10 73.10 137.10	126.08
07 72 13 00-0028				12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0029	EA			26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	309.17 23.16 54.08 3.30 24.30 35.30	77.59
07 72 13 00-0030	EA			26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	312.17 23.46 54.68 4.05 32.05 42.05	77.59
07 72 13 00-0031	EA			26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	334.57 24.73 58.19 4.95 39.95 46.95	87.28
07 72 13 00-0032	EA			26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	360.57 27.33 63.39 6.60 51.60 58.60	87.28
07 72 13 00-0033	EA			26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	379.57 29.23 67.19 9.15 58.15 64.15	87.28

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0034 EA 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	463.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	
07 72 13 00-0035 EA 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	313.17	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0036 EA 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	352.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	372.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	395.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	451.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.50	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	496.36	106.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	383.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	29.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.99	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	413.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	429.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	471.36	106.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	505.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.51	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	548.15	126.08
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.21	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	97.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	429.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0048	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	460.36	106.68
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.37	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.40	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0049	EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	502.76	116.38
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.64	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.91	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0050	EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	515.76	116.38
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.94	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.51	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0051	EA 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	559.15	126.08
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.31	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	99.22	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0052	14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053	EA 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	316.17	77.59
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.86	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.48	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0054	EA 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	319.17	77.59
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.16	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.08	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72 13 00-0055	EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	339.57	87.28
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.23	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.19	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0056	EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	368.57	87.28
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.13	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.99	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72 13 00-0057	EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	390.57	87.28
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.33	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.39	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0058	EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	477.96	96.98
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.10	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.89	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	
07 72 13 00-0059	EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	319.17	77.59
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.16	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.08	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.25	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.25	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.25	
07 72 13 00-0060	EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	339.57	87.28
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.23	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.19	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.30	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.30	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.30	
07 72 13 00-0061	EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	390.57	87.28
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.33	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.39	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0062	EA		38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....414.57	414.57	87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.73	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0063	EA		38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....463.96	463.96	96.98
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.70	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0064	EA		38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....509.36	509.36	106.68
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	
07 72 13 00-0065	EA		50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....391.57	391.57	87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.43	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0066	EA		50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....424.96	424.96	96.98
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.80	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.75	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.75	
07 72 13 00-0067	EA		50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....439.96	439.96	96.98
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.30	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0068	EA		50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....483.36	483.36	106.68
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.67	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....517.76	517.76	116.38
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.14	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....562.15	562.15	126.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.61	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	99.82	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0071	EA		62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....439.96	439.96	96.98
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.30	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....471.36	471.36	106.68
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.47	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....515.76	515.76	116.38
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.94	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....528.76	528.76	116.38
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.24	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	94.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0075	EA			62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	574.15	126.08
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.81	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.22	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0076				14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0077				9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0078	EA			26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	285.17	77.59
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.76	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.28	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0079	EA			26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	298.17	77.59
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.06	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.88	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72 13 00-0080	EA			26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	342.57	87.28
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.53	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.79	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0081	EA			26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	372.57	87.28
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.53	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.79	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72 13 00-0082	EA			26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	394.57	87.28
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.73	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	70.19	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0083	EA			26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	493.96	96.98
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.70	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	89.09	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	
07 72 13 00-0084	EA			38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	322.17	77.59
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.46	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.68	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.25	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.25	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.25	
07 72 13 00-0085	EA			38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	350.57	87.28
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.33	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.39	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.30	
07 72 13 00-0086	EA			38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	360.57	87.28
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.33	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.39	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0087	EA			38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	369.57	87.28
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.23	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.19	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0088	EA			38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	469.96	96.98
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.30	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	84.29	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0089	EA			38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	516.36	106.68
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.97	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	92.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	395.57 30.83 70.39 8.10 52.10 63.10	87.28
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	428.96 33.20 76.09 9.75 50.75 70.75	96.98
07 72 13 00-0092 EA 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	444.96 34.80 79.29 11.55 46.55 80.55	96.98
07 72 13 00-0093 EA 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	489.36 38.27 87.20 13.50 58.50 90.50	106.68
07 72 13 00-0094 EA 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	523.76 40.74 93.11 15.45 71.45 96.45	116.38
07 72 13 00-0095 EA 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	569.15 44.31 101.22 18.60 81.60 115.60	126.08
07 72 13 00-0096 EA 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	444.96 34.80 79.29 12.30 45.30 83.30	96.98
07 72 13 00-0097 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	476.36 36.97 84.60 14.10 63.10 94.10	106.68
07 72 13 00-0098 EA 62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	521.76 40.54 92.71 18.30 67.30 96.30	116.38
07 72 13 00-0099 EA 62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	535.76 41.94 95.51 18.30 67.30 117.30	116.38
07 72 13 00-0100 EA 62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	582.15 45.61 103.82 23.10 73.10 137.10	126.08
07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102 EA 26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	294.17 21.66 51.08 3.30 24.30 35.30	77.59
07 72 13 00-0103 EA 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	309.17 23.16 54.08 4.05 32.05 42.05	77.59



Thermal And Moisture Protection	07
Roof And Wall Specialties And Accessories	07 70
Roof Accessories	07 72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0104 EA 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	357.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	27.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	62.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0105 EA 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	390.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	30.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	69.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	
07 72 13 00-0106 EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	417.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	33.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	74.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0107 EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	497.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	40.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	
07 72 13 00-0108 EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	335.17	77.59
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	25.76	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0109 EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	366.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	27.93	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	64.59	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0110 EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	379.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	29.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.19	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0111 EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	391.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	30.43	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	69.59	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	493.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	39.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	545.36	106.68
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	43.87	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	98.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	413.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	32.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.99	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	448.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	35.20	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	467.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	37.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	513.36	106.68
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	40.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	551.76	116.38
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.54	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	98.71	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	601.15	126.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.51	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	107.62	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	467.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.10	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.89	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	502.36	106.68
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.57	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	89.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	549.76	116.38
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.34	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	98.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	564.76	116.38
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.84	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	101.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	616.15	126.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.01	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	110.62	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0126 EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	301.17	77.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.36	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0127 EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	317.17	77.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.96	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.68	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72 13 00-0128 EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	366.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.93	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0129 EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	402.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.53	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72 13 00-0130 EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	432.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.53	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	77.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	529.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.30	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	345.17	77.59
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	26.76	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	383.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	29.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.99	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0134 EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	401.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	31.43	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.59	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0135 EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	405.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	31.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	511.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	41.50	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	565.36	106.68
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	45.87	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	425.57	87.28
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	33.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	461.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	36.50	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	482.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	38.60	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	86.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	531.36	106.68
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	42.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	95.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	569.76	116.38
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	45.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	623.15	126.08
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	49.71	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	112.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	482.96	96.98
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	38.60	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	86.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	520.36	106.68
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	41.37	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	93.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	566.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	101.71	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	584.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	46.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	105.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	638.15	126.08
For Sloped Roofs Up To 1 In 12 Pitch, Add	51.21	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	115.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	73.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.10	
07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0001)		
Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0151 EA 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	342.81	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.80	
07 72 13 00-0152 EA 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	426.11	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.46	
07 72 13 00-0153 EA 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	491.83	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.64	
07 72 13 00-0154 EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	558.35	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	47.11	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.94	
07 72 13 00-0155 EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	616.41	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	51.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	113.58	
07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0157 EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	464.78	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.20	
07 72 13 00-0158 EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	577.83	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	107.81	
07 72 13 00-0159 EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	600.42	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	51.31	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	111.36	
07 72 13 00-0160 EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	642.92	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	119.86	
07 72 13 00-0161 EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	721.81	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	62.48	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	134.66	
07 72 13 00-0162 EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	904.84	106.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	79.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	170.30	
07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0164 EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	665.17	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	58.76	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	125.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0165 EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	780.77	77.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.32	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	148.40	
07 72 13 00-0166 EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	937.45	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.02	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	178.76	
07 72 13 00-0167 Wood, Prefabricated Roof Curbs <small>(07 72 13)</small> Note: Includes douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0170 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	236.17	77.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.86	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	39.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0171 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	261.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.43	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0172 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	287.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.03	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	48.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0173 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	284.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.73	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	48.19	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0174 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	291.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.43	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	327.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.10	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.89	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	289.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.23	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.19	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0177 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	336.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.00	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.69	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0178 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	375.76	116.38
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.94	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.51	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0179 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	318.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.20	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0180 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	350.36	106.68
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.37	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0181	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	395.76 27.94 67.51 18.30 67.30 117.30	116.38
07 72 13 00-0182			2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0188)		
07 72 13 00-0183	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.17 16.46 40.68 3.30 24.30 35.30	77.59
07 72 13 00-0184	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	268.57 18.13 44.99 4.95 39.95 46.95	87.28
07 72 13 00-0185	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	306.57 21.93 52.59 9.15 58.15 64.15	87.28
07 72 13 00-0186	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	296.57 20.93 50.59 7.80 51.80 65.80	87.28
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	306.57 21.93 52.59 9.30 57.30 70.30	87.28
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	342.96 24.60 58.89 12.00 65.00 85.00	96.98
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	300.57 21.33 51.39 8.10 52.10 63.10	87.28
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	350.96 25.40 60.49 11.55 46.55 80.55	96.98
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	389.76 27.34 66.31 15.45 71.45 96.45	116.38
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	329.96 23.30 56.29 12.30 45.30 83.30	96.98
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	363.36 25.67 62.00 14.10 63.10 94.10	106.68
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	409.76 29.34 70.31 18.30 67.30 117.30	116.38

07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0188)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0196 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	246.17	77.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.86	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	41.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0197 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	275.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.83	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	46.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0198 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	308.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.13	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.99	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0199 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	303.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.63	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.99	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0200 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	315.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.83	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0201 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	352.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.60	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.89	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0202 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	307.57	87.28
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.03	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	359.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.30	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	398.76	116.38
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.24	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.11	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	336.96	96.98
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.00	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.69	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	371.36	106.68
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.47	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	419.76	116.38
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.34	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0196)</small>		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	251.17	77.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.36	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....279.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 19.23 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 47.19 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 4.95 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 39.95 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 46.95		87.28
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....317.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 23.03 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 54.79 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 9.15 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 58.15 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 64.15		87.28
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....325.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 23.83 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 56.39 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 9.30 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 57.30 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 70.30		87.28
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....363.96 For Sloped Roofs Up To 1 In 12 Pitch, Add 26.70 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 63.09 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 12.00 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 65.00 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 85.00		96.98
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....316.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 22.93 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 54.59 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 8.10 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 52.10 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 63.10		87.28
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....369.96 For Sloped Roofs Up To 1 In 12 Pitch, Add 27.30 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 64.29 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 11.55 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 46.55 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 80.55		96.98
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....410.76 For Sloped Roofs Up To 1 In 12 Pitch, Add 29.44 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 70.51 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 15.45 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 71.45 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 96.45		116.38
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....379.36 For Sloped Roofs Up To 1 In 12 Pitch, Add 27.27 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 65.20 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 14.10 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 63.10 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 94.10		106.68
07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....244.17 For Sloped Roofs Up To 1 In 12 Pitch, Add 16.66 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 41.08 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 3.30 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 24.30 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 35.30		77.59
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....268.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 18.13 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 44.99 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 4.95 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 39.95 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 46.95		87.28
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....300.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 21.33 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 51.39 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 9.15 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 58.15 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 64.15		87.28
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....293.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 20.63 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 49.99 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 7.80 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 51.80 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 65.80		87.28
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....302.57 For Sloped Roofs Up To 1 In 12 Pitch, Add 21.53 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 51.79 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 9.30 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 57.30 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 70.30		87.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	339.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	58.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	298.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	50.99	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	347.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	386.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.71	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	330.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.40	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb.....	361.36	106.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	409.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	29.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	251.17	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	17.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	42.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	276.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	18.93	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.59	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	312.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	53.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	305.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	318.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.99	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	357.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0239	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....312.57		87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.53	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0240	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....364.96		96.98
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.80	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0241	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....405.76		116.38
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.94	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0242	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....343.96		96.98
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.70	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0243	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....376.36		106.68
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.97	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0244	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....426.76		116.38
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.04	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.71	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0245			2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0246	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....257.17		77.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0247	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....284.57		87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.73	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	48.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0248	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....324.57		87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.73	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0249	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....314.57		87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.73	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0250	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....330.57		87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.33	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0251	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....370.96		96.98
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.49	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0252	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....321.57		87.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.43	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0253 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	375.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	417.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.14	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0255 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	353.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0256 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	387.36	106.68
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.07	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0257 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	439.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	32.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0259 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	269.17	77.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.16	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.08	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0260 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	290.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	49.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0261 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	333.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	57.99	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0262 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	340.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0263 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	408.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.20	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0264 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	350.57	87.28
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.39	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0265 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	410.96	96.98
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.40	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0266 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	457.76	116.38
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.14	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	424.36	106.68
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.77	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 16 Mechanical Supports (07 72)					
07 72 16 00-0001			Mechanical Supports (Pipe Pier®) (07 72 16)		
			Note: Includes installation of support block. Excludes strut accessories.		
07 72 16 00-0002	EA		4" x 12" x 12", 150 LB Max Load, Support Block (Pipe Pier® 150).....	96.30	1.75
07 72 23 Relief Vents (07 72)					
07 72 23 00-0001			Wind Driven Turbine Ventilators (07 72 23)		
			Note: Excludes curb or flange base.		
07 72 23 00-0002			Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	91.57	23.69
			<i>For Curb Or Flange Base, Add</i>	109.31	
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	109.16	26.23
			<i>For Curb Or Flange Base, Add</i>	120.63	
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	119.22	31.30
			<i>For Curb Or Flange Base, Add</i>	136.12	
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	217.62	34.69
			<i>For Curb Or Flange Base, Add</i>	205.63	
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	295.88	38.91
			<i>For Curb Or Flange Base, Add</i>	223.75	
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	354.80	42.30
			<i>For Curb Or Flange Base, Add</i>	242.56	
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	450.51	47.38
			<i>For Curb Or Flange Base, Add</i>	293.72	
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	737.91	63.45
			<i>For Curb Or Flange Base, Add</i>	470.12	
07 72 23 00-0011			Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	95.21	23.69
			<i>For Curb Or Flange Base, Add</i>	118.45	
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	117.83	26.23
			<i>For Curb Or Flange Base, Add</i>	130.77	
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	132.61	31.30
			<i>For Curb Or Flange Base, Add</i>	146.43	
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	229.58	34.69
			<i>For Curb Or Flange Base, Add</i>	239.21	
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	294.45	38.91
			<i>For Curb Or Flange Base, Add</i>	256.64	
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	370.27	42.30
			<i>For Curb Or Flange Base, Add</i>	288.04	
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	497.17	47.38
			<i>For Curb Or Flange Base, Add</i>	345.98	
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	738.39	63.45
			<i>For Curb Or Flange Base, Add</i>	515.72	
07 72 23 00-0020			Stationary Siphon Ventilators (07 72 23)		
			Note: Excludes curb or flange base.		
07 72 23 00-0021			Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	78.90	23.69
			<i>For Curb Or Flange Base, Add</i>	109.31	
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	101.91	26.23
			<i>For Curb Or Flange Base, Add</i>	120.63	
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	113.28	31.30
			<i>For Curb Or Flange Base, Add</i>	136.12	
07 72 23 00-0025	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	185.09	34.69
			<i>For Curb Or Flange Base, Add</i>	205.63	
07 72 23 00-0026	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	213.56	38.91
			<i>For Curb Or Flange Base, Add</i>	223.75	
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	296.62	42.30
			<i>For Curb Or Flange Base, Add</i>	242.56	
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	383.09	47.38
			<i>For Curb Or Flange Base, Add</i>	293.72	
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	552.94	63.45
			<i>For Curb Or Flange Base, Add</i>	470.12	
07 72 23 00-0030			Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	91.80	23.69
			<i>For Curb Or Flange Base, Add</i>	118.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0032 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	119.86 130.77	26.23
07 72 23 00-0033 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	134.32 146.43	31.30
07 72 23 00-0034 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	213.53 239.21	34.69
07 72 23 00-0035 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	267.19 256.64	38.91
07 72 23 00-0036 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	325.96 288.04	42.30
07 72 23 00-0037 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	463.10 345.98	47.38
07 72 23 00-0038 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	694.83 515.72	63.45
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040 EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	192.51 92.55 145.48	38.07
07 72 23 00-0041 EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	235.33 101.26 159.23	42.30
07 72 23 00-0042 EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	267.36 138.28 201.30	50.76
07 72 23 00-0043 EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	323.62 157.88 232.66	55.84
07 72 23 00-0044 EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	831.69 198.17 306.87	76.15
07 72 23 00-0045 EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,013.74 234.10 366.21	87.99
07 72 23 00-0046 EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,374.24 234.10 383.02	101.53
07 72 23 00-0047 EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,919.12 244.99 397.87	109.99
07 72 23 00-0048 EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,746.02 272.21 446.48	118.44
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050 EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	317.94	42.30
07 72 23 00-0051 EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	376.79	55.84
07 72 23 00-0052 EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	539.88	76.15
07 72 23 00-0053 EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	819.16	87.99
07 72 26 Ridge Vents (07 72)		
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	7.37	2.46
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	35.92	15.23
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	34.77	15.23
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	8.66	2.63
07 72 29 Rafter Vent (07 72)		
07 72 29 00-0001 Rafter Vent (07 72 29) Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002 EA 22" x 4' Rafter Vent.....	6.54	
07 72 29 00-0003 EA 14" x 4' Rafter Vent.....	6.02	
07 72 33 Roof Hatches (07 72) Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002 EA 2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	810.47	109.59
07 72 33 00-0003 EA 2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,175.28	121.77
07 72 33 00-0004 EA 2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	2,057.75	166.06
07 72 33 00-0005 EA 3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,155.87	121.77
07 72 33 00-0006 EA 4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,303.58	135.31

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0007 EA 3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	2,125.83	184.55
07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009 EA 2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	984.57	109.59
07 72 33 00-0010 EA 2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50)	1,286.31	121.77
07 72 33 00-0011 EA 2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50)	2,355.74	166.06
07 72 33 00-0012 EA 3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50)	1,260.51	121.77
07 72 33 00-0013 EA 4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50)	2,271.39	135.31
07 72 33 00-0014 EA 3'-0" x 8'-0" Aluminum Roof Hatch	2,484.87	184.55
07 72 33 00-0015 EA 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,418.97	121.77
07 72 33 00-0016 Steel, Plain, Primed (07 72 33)		
07 72 33 00-0017 EA 2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20)	778.81	109.59
07 72 33 00-0018 EA 2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,043.76	121.77
07 72 33 00-0019 EA 2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	1,429.63	166.06
07 72 33 00-0020 EA 3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	968.89	121.77
07 72 33 00-0021 EA 4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,182.96	135.31
07 72 33 00-0022 EA 3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	1,607.14	184.55
07 72 33 00-0023 Stainless Steel (07 72 33)		
07 72 33 00-0024 EA 2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	1,895.70	109.59
07 72 33 00-0025 EA 2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	3,618.26	121.77
07 72 33 00-0026 EA 2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	5,439.26	166.06
07 72 33 00-0027 EA 3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90)	2,905.48	121.77
07 72 33 00-0028 EA 4'-0" x 4'-0" Stainless Steel Roof Hatch	6,128.57	135.31
07 72 33 00-0029 EA 3'-0" x 8'-0" Stainless Steel Roof Hatch	6,867.34	184.55
07 72 33 00-0030 Remove And Reinstall Roof Hatch (07 72 33)		
Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031 EA Remove And Reinstall Roof Hatch (All Types)	337.08	
07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)		
07 72 33 00-0033 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40)	952.63	121.77
07 72 33 00-0034 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40)	1,254.37	135.31
07 72 33 00-0035 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40)	2,272.69	184.47
07 72 33 00-0036 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40)	1,234.96	125.57
07 72 33 00-0037 EA Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40)	2,201.12	139.12
07 72 33 00-0038 Roof Hatch Accessories (07 72 33)		
07 72 33 00-0039 EA Roof Hatch Ladderup Safety Post (Bilco LU-1).....	550.85	57.08
07 72 36 Smoke Vents (07 72)		
07 72 36 00-0001 Fire Vent (07 72 36)		
07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)		
07 72 36 00-0003 EA 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....	2,033.98	101.52
07 72 36 00-0004 EA 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....	2,344.37	139.57
07 72 36 00-0005 EA 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....	2,670.99	152.28
07 72 36 00-0006 EA 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....	2,724.63	159.89
07 72 36 00-0007 EA 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....	3,152.56	139.57
07 72 36 00-0008 EA 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....	3,352.52	152.28
07 72 36 00-0009 EA 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....	3,540.41	164.99
07 72 36 00-0010 EA 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....	4,029.88	177.70
07 72 36 00-0011 EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	4,995.83	190.34
07 72 36 00-0012 EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	3,353.44	164.99
07 72 36 00-0013 EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....	7,029.32	203.04
07 72 36 00-0014 EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	3,869.83	215.75
07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)		
07 72 36 00-0016 EA 4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,222.00	101.52
07 72 36 00-0017 EA 4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,541.00	139.57
07 72 36 00-0018 EA 4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	2,860.27	152.28
07 72 36 00-0019 EA 4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	2,961.12	159.89
07 72 36 00-0020 EA 5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	2,879.58	139.57
07 72 36 00-0021 EA 5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	3,684.35	152.28
07 72 36 00-0022 EA 5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	3,939.73	164.99
07 72 36 00-0023 EA 5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	3,830.99	177.70
07 72 36 00-0024 EA 5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	5,395.98	190.34
07 72 36 00-0025 EA 5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	3,716.14	164.99
07 72 36 00-0026 EA 5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66114A)	7,088.74	203.04
07 72 36 00-0027 EA 6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	3,632.54	215.75



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0028				Aluminum Covers And Curb <small>(07 72 36 00-0001)</small>		
	EA			4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,426.43	101.52
	EA			4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	2,879.58	139.57
	EA			4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,160.52	152.28
	EA			4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,344.42	159.89
	EA			5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,032.90	139.57
	EA			5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	3,844.06	152.28
	EA			5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,080.27	164.99
	EA			5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,214.29	177.70
	EA			5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,121.29	190.34
	EA			5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	3,895.01	164.99
	EA			5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	7,746.73	203.04
	EA			6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,015.84	215.75
07 72 36 00-0041				Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb <small>(07 72 36)</small>		
	EA			4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B).....	2,400.87	101.22
	EA			4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B).....	3,039.28	139.57
	EA			4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B).....	3,210.27	159.89
	EA			5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B).....	3,454.52	139.57
	EA			5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B).....	3,639.36	177.70
07 72 46				Roof Walkways <small>(07 72)</small>		
07 72 46 00-0001				Recycled Rubber Walkway Pads <small>(07 72 46)</small>		
	SF			3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	6.89	1.83
				<i>For Diamond Surface, Add</i>	0.54	
	SF			1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	7.63	2.19
				<i>For Diamond Surface, Add</i>	0.63	
	SF			3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	8.42	2.19
				<i>For Diamond Surface, Add</i>	0.70	
07 72 53				Snow Guards <small>(07 72)</small>		
07 72 53 00-0001				Snow Guards For Shingle And Tile Roofs <small>(07 72 53)</small>		
	EA			6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	12.52	1.75
	EA			6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	13.66	1.75
	EA			6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	12.91	1.75
	EA			6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	7.67	1.75
07 72 53 00-0006				Snow Guards For Metal Roofs <small>(07 72 53)</small>		
				Note: Aluminum construction.		
	EA			Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	15.93	3.02
	EA			Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	17.67	3.02
	EA			Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	25.90	3.02
	EA			Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	25.53	3.02
	EA			Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	24.07	3.53
	EA			Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	26.26	3.53
	EA			Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	32.69	3.53
	EA			Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	13.90	2.65
				<i>For Mechanically Fastened, Add</i>	5.28	
	EA			Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	15.71	2.65
				<i>For Mechanically Fastened, Add</i>	5.28	
	EA			Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	21.85	2.65
				<i>For Mechanically Fastened, Add</i>	5.28	
07 72 53 00-0017				Snow Breaker For Roofs <small>(07 72 53)</small>		
	EA			Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	10.40	3.53
	EA			>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	9.86	3.53
	EA			>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	9.59	3.53
	EA			>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	9.26	3.53
07 72 53 00-0022				Ice Breaker For Vents <small>(07 72 53)</small>		
	EA			Ice Breaker For Vents Up to 4", Mechanically Fastened.....	76.56	
	EA			Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened.....	87.78	
07 72 53 00-0025				Pipe Style, Snow Guards For Metal Roofs <small>(07 72 53)</small>		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0026			Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0025) Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0027	EA		Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	38.45	10.58
07 72 53 00-0028	EA		Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	45.11	10.58
07 72 53 00-0029	EA		Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	50.43	10.58
07 72 53 00-0030	EA		Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	61.87	10.58
07 72 53 00-0031	EA		Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	64.37	12.69
07 72 53 00-0032			07 72 53 00-0032 Tubing For Snow Guard Clamps (07 72 53 00-0025)		
07 72 53 00-0033	LF		1" O.D. Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®)	8.12	2.54
			Note: Includes end caps, collars and couplings.		
07 72 53 00-0034	LF		1" O.D. Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	15.19	2.54
			Note: Includes end caps, collars and couplings.		
07 72 56			Snow/Ice Melt (07 72)		
07 72 56 00-0001			Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002	LF		12 Watt, 120 Volt, Self Regulating Low Temperature Cable.....	8.58	0.82
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF		12 Watt, 208/277 Volt Self Regulating Low Temperature Cable.....	9.20	0.82
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA		Power Connection, End Seal And Warning Labels Kit.....	159.20	61.77
07 72 56 00-0005	EA		Splice Kit.....	120.59	45.30
07 72 56 00-0006	EA		Roof Clips	15.70	2.47
			For >5, Deduct	-2.47	
07 72 56 00-0007	EA		Downspout Hanger	57.98	6.17
07 72 56 00-0008	EA		Automatic Control For Melting Snow, 120 Volt AC, Snow Switch	546.02	49.41
07 72 56 00-0009	EA		Automatic Gutter Ice Melting Control	746.20	61.77
07 72 63			Waste Containment Assemblies (07 72)		
07 72 63 00-0001			Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002			Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	1,577.34	139.68
07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	1,754.70	139.68
07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	2,139.66	145.27
07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	2,129.52	145.27
07 72 63 00-0007	EA		72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	2,765.11	157.14
07 72 63 00-0008	EA		72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	2,174.58	157.14
07 72 63 00-0009	EA		90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	2,429.16	186.19
07 72 63 00-0010	EA		108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	3,557.28	232.78
07 72 63 00-0011	EA		120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	4,388.59	232.78
07 72 63 00-0012	EA		144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	5,529.10	232.78
07 72 63 00-0013			Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	1,924.51	139.68
07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	2,155.16	139.68
07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	2,649.09	145.27
07 72 63 00-0017	EA		72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	2,694.72	145.27
07 72 63 00-0018	EA		72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	3,821.99	157.14
07 72 63 00-0019	EA		72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	4,184.42	157.14
07 72 63 00-0020	EA		90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	3,909.29	186.19
07 72 63 00-0021	EA		108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	4,413.93	232.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	5,496.15	232.78
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	6,978.81	232.78
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63)</small> Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0025)</small>		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	128.35	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	179.05	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	255.07	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	236.72	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	439.48	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	444.55	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	345.08	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	446.46	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	651.75	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	857.05	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	265.55	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	351.73	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	508.87	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	475.29	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	908.69	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	913.75	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	679.97	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	915.68	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,338.93	
07 72 63 00-0048 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	1,779.93	
07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0050 SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	328.92	
07 72 63 00-0051 SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	407.49	
07 72 63 00-0052 SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	595.04	
07 72 63 00-0053 SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	564.00	
07 72 63 00-0054 SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	1,093.70	
07 72 63 00-0055 SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	1,088.64	
07 72 63 00-0056 SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	796.56	
07 72 63 00-0057 SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	1,100.69	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 63 00-0058	SET		120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	1,541.69	
07 72 63 00-0059	SET		144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	2,142.36	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 73 00 00-0002	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.22	0.35
			<i>For No Adhesive, Deduct</i>	-0.46	
			<i>For Hot-Mopped, Deduct</i>	-0.07	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.35	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.52	
07 73 00 00-0003	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.49	0.38
			<i>For No Adhesive, Deduct</i>	-0.48	
			<i>For Hot-Mopped, Deduct</i>	-0.06	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.40	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.57	
07 73 00 00-0004	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.64	0.42
			<i>For No Adhesive, Deduct</i>	-0.49	
			<i>For Hot-Mopped, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.61	
07 73 00 00-0005	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.24	0.35
			<i>For No Adhesive, Deduct</i>	-0.46	
			<i>For Hot-Mopped, Deduct</i>	-0.07	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.35	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.52	
07 73 00 00-0006	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.53	0.38
			<i>For No Adhesive, Deduct</i>	-0.48	
			<i>For Hot-Mopped, Deduct</i>	-0.06	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.40	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.57	
07 73 00 00-0007	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.68	0.42
			<i>For No Adhesive, Deduct</i>	-0.49	
			<i>For Hot-Mopped, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.61	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07 76 16 00-0001 Roof Pavers (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF		Up To 100 SF, 2" Concrete Roof Paver.....	9.59	4.75
			<i>For 1-1/2" Thickness, Deduct</i>	-0.80	
			<i>For 2-1/2" Thickness, Add</i>	0.80	
			<i>For 3" Thickness, Add</i>	1.60	
07 76 16 00-0003	SF		>100 To 200 SF, 2" Concrete Roof Paver.....	8.14	3.58
			<i>For 1-1/2" Thickness, Deduct</i>	-0.66	
			<i>For 2-1/2" Thickness, Add</i>	0.66	
			<i>For 3" Thickness, Add</i>	1.33	
07 76 16 00-0004	SF		>200 To 400 SF, 2" Concrete Roof Paver.....	6.95	2.86
			<i>For 1-1/2" Thickness, Deduct</i>	-0.55	
			<i>For 2-1/2" Thickness, Add</i>	0.55	
			<i>For 3" Thickness, Add</i>	1.11	
07 76 16 00-0005	SF		>400 To 1,000 SF, 2" Concrete Roof Paver.....	6.21	2.49
			<i>For 1-1/2" Thickness, Deduct</i>	-0.49	
			<i>For 2-1/2" Thickness, Add</i>	0.49	
			<i>For 3" Thickness, Add</i>	0.97	
07 76 16 00-0006	SF		>1,000 SF, 2" Concrete Roof Paver.....	5.72	2.26
			<i>For 1-1/2" Thickness, Deduct</i>	-0.45	
			<i>For 2-1/2" Thickness, Add</i>	0.45	
			<i>For 3" Thickness, Add</i>	0.89	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0008 EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	13.19	0.70
07 76 16 00-0009 EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	13.89	0.70
07 76 16 00-0010 EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	14.59	0.70
07 76 16 00-0011 EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	7.25	0.70
07 76 16 00-0012 EA Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	6.75	0.70
07 76 16 00-0013 EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal)	6.90	0.70
Note: Stackable.		
07 76 16 00-0014 EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	3.85	0.70
Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015 EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)	5.30	0.70
Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.15	
For 20 Year Warranty, Deduct		
	-0.17	
For 15 Year Warranty, Deduct		
	-0.35	
For 10 Year Warranty, Deduct		
	-0.48	
For Winds >90 MPH To 120 MPH Warranty, Add		
	0.10	
07 76 19 00-0002 SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	4.07	
For 20 Year Warranty, Deduct		
	-0.25	
For 15 Year Warranty, Deduct		
	-0.50	
For 10 Year Warranty, Deduct		
	-0.68	
For Winds >90 MPH To 120 MPH Warranty, Add		
	0.10	
07 76 19 00-0003 SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	4.80	
For 20 Year Warranty, Deduct		
	-0.29	
For 15 Year Warranty, Deduct		
	-0.58	
For 10 Year Warranty, Deduct		
	-0.79	
For Winds >90 MPH To 120 MPH Warranty, Add		
	0.10	
07 76 19 00-0004 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.76	
For 20 Year Warranty, Deduct		
	-0.36	
For 15 Year Warranty, Deduct		
	-0.73	
For 10 Year Warranty, Deduct		
	-0.99	
For Winds >90 MPH To 120 MPH Warranty, Add		
	0.10	

07 80 Fire And Smoke Protection (07)

07 81 Applied Fireproofing (07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)

07 81 16 00-0001 Cementitious Fireproofing (07 81 16)		
07 81 16 00-0002 Spray On Ceiling (Metal Decking Corrugated Or Fluted) (07 81 16 00-0001)		
07 81 16 00-0003 SF Spray Fireproofing For Ceiling, 1 Hour Rated 1/2" Thick Coverage	0.97	0.51
07 81 16 00-0004 SF Spray Fireproofing For Ceiling, 2 Hour Rated 7/8" Thick Coverage	1.34	0.61
07 81 16 00-0005 Spray On Roofs And Beams (07 81 16 00-0001)		
07 81 16 00-0006 SF Spray Fireproofing For Beams And Roofs, 1 Hour Rated 1-3/8" Thick Coverage	2.00	0.74
07 81 16 00-0007 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-1/2" Thick Coverage	2.16	0.81
07 81 16 00-0008 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-5/8" Thick Coverage	2.27	0.85
07 81 16 00-0009 Spray On Beams (Min. W8x24) (07 81 16 00-0001)		
07 81 16 00-0010 SF Spray Fireproofing For Beams, 1 Hour Rated 7/16" Thick Coverage, (Min W8x24)	0.82	0.40
07 81 16 00-0011 SF Spray Fireproofing For Beams, 2 Hour Rated 1/2" Thick Coverage, (Min W8x24)	1.02	0.51
07 81 16 00-0012 SF Spray Fireproofing For Beams, 3 Hour Rated 7/8" Thick Coverage, (Min W8x24)	1.44	0.61
07 81 16 00-0013 SF Spray Fireproofing For Beams, 4 Hour Rated 1-1/4" Thick Coverage, (Min W8x24)	1.91	0.71
07 81 16 00-0014 Spray On Columns (W10x49) (07 81 16 00-0001)		
07 81 16 00-0015 SF Spray Fireproofing For Columns, 1 Hour Rated 1-3/16" Thick Coverage, (W10x49)	1.89	0.68
07 81 16 00-0016 SF Spray Fireproofing For Columns, 2 Hour Rated 1-1/4" Thick Coverage, (W10x49)	2.05	0.71
07 81 16 00-0017 SF Spray Fireproofing For Columns, 3 Hour Rated 1-7/8" Thick Coverage, (W10x49)	2.67	0.85
07 81 16 00-0018 SF Spray Fireproofing For Columns, 4 Hour Rated 2-1/2" Thick Coverage, (W10x49)	3.48	1.01
07 81 16 00-0019 Spray On Columns (W14x228) (07 81 16 00-0001)		
07 81 16 00-0020 SF Spray Fireproofing For Columns, 2 Hr Rated 5/8" Thick Coverage, (W14x228)	1.21	0.51
07 81 16 00-0021 SF Spray Fireproofing For Columns, 3 Hr Rated 7/8" Thick Coverage, (W14x228)	1.54	0.61
07 81 16 00-0022 SF Spray Fireproofing For Columns, 4 Hr Rated 1-1/4" Thick Coverage, (W14x228)	2.05	0.74
07 81 16 00-0023 Gunite Fireproofing (07 81 16)		
07 81 16 00-0024 SF Fireproofing, Gunite, Non Reinforced, 1" Thick	2.19	0.46
07 81 16 00-0025 SF Fireproofing, Gunite, Reinforced, 1" Thick	3.13	0.46

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 81 Applied Fireproofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0026			Monokote Fireproofing (07 81 16)		
07 81 16 00-0027	CSF		Fireproofing, Monokote, On Structural Steel.....	219.33	75.77
			Note: Per inch of thickness.		
07 81 16 00-0028	CSF		Fireproofing, Monokote, On Decking.....	161.19	50.74
			Note: Per inch of thickness.		
07 81 23			Intumescent Fireproofing (07 81)		
07 81 23 00-0001			Spray On Intumescent Mastic Fireproofing (07 81 23)		
			Note: Type 1 structural steel has up to 2 SF per LF, type 2 structural steel has >2 to 5 SF per LF and type 3 structural steel has >5 SF per LF.		
07 81 23 00-0002			Fireproofing Using Spray On Albi-Clad, Intumescent Mastic, 1 Hour (07 81 23 00-0001)		
07 81 23 00-0003	CSF		Fireproofing, Intumescent, 1 Hour, Type 1 Structural Steel.....	1,026.90	248.37
07 81 23 00-0004	CSF		Fireproofing, Intumescent, 1 Hour, Type 2 Structural Steel.....	1,046.84	263.27
07 81 23 00-0005	CSF		Fireproofing, Intumescent, 1 Hour, Type 3 Structural Steel.....	1,079.91	288.10
07 81 23 00-0006			Fireproofing Using Spray On Albi-Clad, Intumescent Mastic, 2 Hour (07 81 23 00-0001)		
07 81 23 00-0007	CSF		Fireproofing, Intumescent, 2 Hour, Type 1 Structural Steel.....	2,053.81	496.73
07 81 23 00-0008	CSF		Fireproofing, Intumescent, 2 Hour, Type 2 Structural Steel.....	2,093.68	526.54
07 81 23 00-0009	CSF		Fireproofing, Intumescent, 2 Hour, Type 3 Structural Steel.....	2,159.48	576.21
07 81 23 00-0010			Color Top Coat (07 81 23 00-0001)		
07 81 23 00-0011	CSF		Fireproofing, Color Top Coat.....	39.76	
07 81 33			Mineral-Fiber Fireproofing (07 81)		
07 81 33 00-0001	SF		Cellulose Fireproofing, Per Inch Of Thickness.....	1.69	0.46
07 82			Board Fireproofing (07 82)		
			Note: Type A: 1 hour rating. See CSI section 09 23 13 00-0001 for plaster casing and corner bead, 09 29 00 00-0072 for gypsum board casing and corner bead.		
07 82 00 00-0001			Fireproofing On Columns (07 82)		
07 82 00 00-0002			Up To 4,500 SF, Fireproofing On Columns (07 82 00 00-0001)		
07 82 00 00-0003	CSF		Lath And Cement Plaster, 1 Hour, Mk A, Up To 4,500 SF, Fireproofing On Columns.....	1,024.37	695.43
07 82 00 00-0004	CSF		Lath And Cement Plaster, 2 Hour, Mk B, Up To 4,500 SF, Fireproofing On Columns.....	1,850.35	1,241.83
07 82 00 00-0005	CSF		Lath And Vermiculite Concrete, 4 Hour, Mk C, Up To 4,500 SF, Fireproofing On Columns.....	1,645.41	1,092.82
07 82 00 00-0006	CSF		Lath And Gypsum Plaster, 4 Hour, Mk D, Up To 4,500 SF, Fireproofing On Columns.....	1,046.33	645.75
07 82 00 00-0007	CSF		Lath And Gypsum Plaster, 4 Hour, Mk E, Up To 4,500 SF, Fireproofing On Columns.....	824.54	546.41
07 82 00 00-0008	CSF		Gypsum Board, 2 Hour, Mk F, Up To 4,500 SF, Fireproofing On Columns.....	1,286.35	844.45
07 82 00 00-0009	CSF		Gypsum Board, 2 Hour, Mk G, Up To 4,500 SF, Fireproofing On Columns.....	740.85	447.06
07 82 00 00-0010			>4,500 SF, Fireproofing On Columns (07 82 00 00-0001)		
07 82 00 00-0011	CSF		Lath And Cement Plaster, 1 Hour, Mk A >4,500 SF, Fireproofing On Columns.....	1,031.47	695.43
07 82 00 00-0012	CSF		Lath And Cement Plaster, 2 Hour, Mk B, >4,500 SF, Fireproofing On Columns.....	1,864.55	1,241.83
07 82 00 00-0013	CSF		Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns.....	1,682.96	1,092.82
07 82 00 00-0014	CSF		Lath And Gypsum Plaster, 4 Hour, Mk D, >4,500 SF, Fireproofing On Columns.....	987.81	645.75
07 82 00 00-0015	CSF		Lath And Gypsum Plaster, 2 Hour, Mk E, >4,500 SF, Fireproofing On Columns.....	794.37	546.41
07 82 00 00-0016	CSF		Gypsum Board, 2 Hour, Mk F, >4,500 SF, Fireproofing On Columns.....	1,268.58	844.45
07 82 00 00-0017	CSF		Gypsum Board, 2 Hour, Mk G, >4,500 SF, Fireproofing On Columns.....	724.75	447.06
07 84			Firestopping (07 84)		
07 84 13			Penetration Firestopping (07 84)		
07 84 13 16			Penetration Firestopping Devices (07 84 13)		
07 84 13 16-0001			Firestopping Systems For Cable Penetrations (07 84 13 16)		
07 84 13 16-0002			Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)		
			Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA		1" Diameter Intumescent Firestop Sleeve (STI FS100).....	57.85	
07 84 13 16-0004	EA		2" Diameter Intumescent Firestop Sleeve (STI FS201).....	76.73	
07 84 13 16-0005	EA		4" Diameter Intumescent Firestop Sleeve (STI FS401).....	131.15	
07 84 13 16-0006			Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)		
			Note: Includes putty and mounting plates.		
07 84 13 16-0007	EA		1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22).....	123.81	
07 84 13 16-0008	EA		3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS).....	242.22	
07 84 13 16-0009	EA		4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44).....	396.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device <small>(07 84 13 16)</small>		
07 84 13 16-0011 EA 2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	226.09	
07 84 13 16-0012 EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	256.03	
07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	254.60	
07 84 13 16-0014 Intumescent Firestopping Pipe Collar <small>(07 84 13 16)</small>		
07 84 13 16-0015 EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	35.64	8.12
07 84 13 16-0016 EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	37.31	8.12
07 84 13 16-0017 EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	45.41	8.94
07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	60.89	10.16
07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	346.70	12.19
07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	446.48	13.41
07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) <small>(07 84 13 16)</small>		
Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022 EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	96.93	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023 EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	102.02	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024 EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	191.98	
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025 EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	124.42	
Note: Used for shut-of valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 19 Penetration Firestopping Caulk <small>(07 84 13)</small>		
07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations <small>(07 84 13 19)</small>		
Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002 EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	15.29	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.07	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.03	
07 84 13 19-0003 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	19.04	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.36	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.13	
07 84 13 19-0004 EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	18.81	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.26	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.10	
07 84 13 19-0005 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	18.44	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.12	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.04	
07 84 13 19-0006 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	22.32	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.76	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.29	
07 84 13 19-0007 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	22.09	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.67	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.25	
07 84 13 19-0008 EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	21.72	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.52	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.20	
07 84 13 19-0009 EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	21.14	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.29	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.11	
07 84 13 19-0010 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	20.64	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.09	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.03	
07 84 13 19-0011 EA 2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	27.37	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	1.27	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.48	
07 84 13 19-0012 EA 2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	27.15	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	1.18	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.44	
07 84 13 19-0013 EA 2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	26.77	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	1.03	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.39	
07 84 13 19-0014 EA 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	26.19	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.80	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.30	
07 84 13 19-0015 EA 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	25.71	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.61	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.23	
07 84 13 19-0016 EA 2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	24.54	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	0.14	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	0.05	
07 84 13 19-0017 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	38.63	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>		
	3.36	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>		
	1.26	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	34.78	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.82	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.68	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	34.41	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.67	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.63	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	33.83	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.44	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.54	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	33.34	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.24	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.47	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	32.17	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.77	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.29	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	30.66	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.17	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.06	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	53.28	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.19	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	2.32	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	52.88	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.03	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	2.26	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	52.22	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.77	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	2.16	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	51.20	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.36	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	2.01	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	50.34	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.02	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.88	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	43.75	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.38	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.89	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	42.25	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.78	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.67	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	39.96	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.86	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.32	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	88.64	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.28	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	5.36	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	88.24	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.12	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	5.30	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	87.59	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.86	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	5.20	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	86.57	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.46	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	5.05	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	85.71	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.11	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.92	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	83.65	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	12.29	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.61	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	80.99	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.22	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.21	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	76.96	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	9.61	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	3.60	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	61.99	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.62	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.36	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	120.66	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	22.56	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	8.46	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	116.63	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	20.94	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	7.85	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	108.54	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	17.71	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	6.64	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	75.79	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.61	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.73	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant.....	156.31	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	32.28	
		<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	12.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0046	EA		10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant <i>For Intumescent Sealant For Plastic Pipe, Add</i> <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	132.31 22.68 8.51	
07 84 13 19-0047	EA		10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant <i>For Intumescent Sealant For Plastic Pipe, Add</i> <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	90.28 5.87 2.20	
07 84 16 Annular Space Protection (07 84)					
07 84 16 00-0001			Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002			Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	26.91	
07 84 16 00-0004	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	40.21	
07 84 16 00-0005	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	41.73	
07 84 16 00-0006	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	43.24	
07 84 16 00-0007	EA		5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	44.75	
07 84 16 00-0008	EA		6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	58.05	
07 84 16 00-0009			Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010	EA		Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	10.41	
07 84 16 00-0011	EA		Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	10.99	
07 84 16 00-0012	EA		Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	10.41	
07 84 16 00-0013	EA		Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	10.99	
07 84 16 00-0014	EA		Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	10.99	
07 84 16 00-0015	EA		Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	10.41	
07 84 16 00-0016			Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017	EA		2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	32.22	
07 84 16 00-0018	EA		2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	34.64	
07 84 16 00-0019	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	37.62	
07 84 16 00-0020			Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16) Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA		16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	317.15	
07 84 16 00-0022	EA		36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	464.06	
07 84 16 00-0023	EA		36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	672.78	
07 84 16 00-0024			Endothermic Mat Wrap Fire Barrier (07 84 16) Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF		0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	40.33	
07 84 16 00-0026			Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL		Lutex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	176.26	
07 84 23 Silicone Firestopping Foams (07 84)					
07 84 23 00-0001			Silicone RTV Foam Seal For Blank Openings (07 84 23)		
07 84 23 00-0002	EA		2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	33.25	
07 84 23 00-0003	EA		4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	85.00	
07 84 23 00-0004	EA		6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	156.93	
07 84 23 00-0005	EA		8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	247.31	
07 84 23 00-0006	EA		10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	359.97	
07 84 23 00-0007	EA		12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	491.19	
07 84 43 Joint Firestopping (07 84)					
07 84 43 00-0001			Intumescent Firestopping Sealant For Joints (07 84 43)		
07 84 43 00-0002	CLF		1/4" x 1/4" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	325.43 12.52	120.97
07 84 43 00-0003	CLF		1/4" x 3/8" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	382.27 18.79	128.53
07 84 43 00-0004	CLF		1/4" x 1/2" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	424.01 25.05	128.53
07 84 43 00-0005	CLF		3/8" x 3/8" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	444.88 28.18	128.53
07 84 43 00-0006	CLF		3/8" x 1/2" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	507.50 37.57	128.53
07 84 43 00-0007	CLF		3/8" x 5/8" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	585.29 46.96	136.10
07 84 43 00-0008	CLF		3/8" x 3/4" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	662.97 56.36	143.66

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0009	CLF		1/2" x 1/2" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	606.17 50.09	136.10
07 84 43 00-0010	CLF		1/2" x 5/8" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	719.89 62.62	151.22
07 84 43 00-0011	CLF		1/2" x 3/4" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	818.52 75.14	158.79
07 84 43 00-0012	CLF		1/2" x 7/8" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	917.10 87.66	166.33
07 84 43 00-0013	CLF		1/2" x 1" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,121.65 100.19	226.81
07 84 43 00-0014	CLF		3/4" x 3/4" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,235.33 112.71	241.96
07 84 43 00-0015	CLF		1" x 1" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,834.83 200.37	249.50

07 84 56 Fire Safing (07 84)**07 84 56 13 Fibrous Fire Safing (07 84 56)****07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)**

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF		1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A) <i>For Work In Restricted Working Space, Add</i>	10.14 1.01	
07 84 56 13-0003	SF		1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)..... <i>For Work In Restricted Working Space, Add</i>	14.33 1.01	
07 84 56 13-0004	SF		2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)..... <i>For Work In Restricted Working Space, Add</i>	15.70 1.01	

07 84 56 13-0005 Firemaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006	SF		1/2" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i> <i>For >500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	13.60 2.98 -1.34 -2.35	7.41
07 84 56 13-0007	SF		1" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i> <i>For >500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	16.63 2.98 -2.04 -3.47	7.41
07 84 56 13-0008	SF		1-1/2" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i> <i>For >500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	19.96 2.98 -2.80 -4.70	7.41
07 84 56 13-0009	SF		2" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i> <i>For >500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	23.29 2.98 -3.57 -5.94	7.41

07 90 Joint Protection (07)**07 91 Preformed Joint Seals (07 90)****07 91 23 Backer Rods (07 91)**

07 91 23 00-0001	LF		1/4" Polyethylene Or Polyurethane Backer Rod .....1.13	0.35
07 91 23 00-0002	LF		3/8" Polyethylene Or Polyurethane Backer Rod .....1.22	0.35
07 91 23 00-0003	LF		1/2" Polyethylene Or Polyurethane Backer Rod .....1.31	0.35
07 91 23 00-0004	LF		5/8" Polyethylene Or Polyurethane Backer Rod .....1.41	0.35
07 91 23 00-0005	LF		3/4" Polyethylene Or Polyurethane Backer Rod .....1.46	0.42
07 91 23 00-0006	LF		7/8" Polyethylene Or Polyurethane Backer Rod .....1.56	0.42
07 91 23 00-0007	LF		1" Polyethylene Or Polyurethane Backer Rod .....1.74	0.42
07 91 23 00-0008	LF		1-1/4" Polyethylene Or Polyurethane Backer Rod .....1.92	0.49
07 91 23 00-0009	LF		1-1/2" Polyethylene Or Polyurethane Backer Rod .....2.17	0.56
07 91 23 00-0010	LF		2" Polyethylene Or Polyurethane Backer Rod .....2.60	0.63
07 91 23 00-0011	LF		3" Polyethylene Or Polyurethane Backer Rod .....4.11	0.76

07 91 26 Joint Fillers (07 91)**07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)**

07 91 26 00-0002	LF		1/4" x 1/4" Butyl Rubber Filler .....1.41 <i>For Coloring, Add</i>	0.42 0.00
07 91 26 00-0003	LF		1/2" x 1/2" Butyl Rubber Filler .....4.03 <i>For Coloring, Add</i>	1.19 0.02
07 91 26 00-0004	LF		1/2" x 3/4" Butyl Rubber Filler .....4.60 <i>For Coloring, Add</i>	1.26 0.03
07 91 26 00-0005	LF		3/4" x 3/4" Butyl Rubber Filler .....4.69	1.33
07 91 26 00-0006	LF		1" x 1" Butyl Rubber Filler .....4.28	1.47

07 91 26 00-0007 Closed Cell Neoprene (07 91 26)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0008 CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	282.57	80.59
07 91 26 00-0009 CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	471.76	116.43
07 91 26 00-0010 CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	367.61	99.80
07 91 26 00-0011 CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	437.61	104.76
07 91 26 00-0012 CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	666.64	161.19
07 91 26 00-0013 CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	775.89	174.60
07 91 26 00-0014 CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	745.64	126.97
 07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)		
07 91 26 00-0016 CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell	285.44	99.80
07 91 26 00-0017 CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell	488.96	161.19
07 91 26 00-0018 CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell	374.93	137.59
07 91 26 00-0019 CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell	455.77	145.27
07 91 26 00-0020 CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell	693.56	222.79
07 91 26 00-0021 CLF 1/2" x 9" Polyethylene Joint Backing, Closed Cell	815.70	241.79
07 91 26 00-0022 CLF 1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,086.35	289.84
 07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)		
07 91 26 00-0024 CLF 1/4" x 1/2" Silicon RTV Foam Seal	125.01	15.99
07 91 26 00-0025 CLF 1/2" x 1/2" Silicon RTV Foam Seal	250.00	31.92
07 91 26 00-0026 CLF 1/2" x 3/4" Silicon RTV Foam Seal	373.23	47.42
07 91 26 00-0027 CLF 3/4" x 3/4" Silicon RTV Foam Seal	535.93	63.91
07 91 26 00-0028 CLF 1/8" x 1" Silicon RTV Foam Seal	125.01	15.99
07 91 26 00-0029 CLF 1/8" x 3" Silicon RTV Foam Seal	372.94	47.28
07 91 26 00-0030 CLF 1/4" x 3" Silicon RTV Foam Seal	667.24	71.03
07 91 26 00-0031 CLF 1/4" x 6" Silicon RTV Foam Seal	1,333.26	141.56
07 91 26 00-0032 CLF 1/2" x 6" Silicon RTV Foam Seal	2,570.33	255.54
07 91 26 00-0033 CLF 1/2" x 9" Silicon RTV Foam Seal	3,906.84	399.20
07 91 26 00-0034 CLF 1/2" x 12" Silicon RTV Foam Seal	5,574.72	638.75
 07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036 LF 1/4" Seals O-Ring Cord, J-Seal	2.99	0.90
07 91 26 00-0037 LF 1/2" Seals O-Ring Cord, J-Seal	3.17	0.90
07 91 26 00-0038 LF 3/4" Seals O-Ring Cord, J-Seal	3.35	0.97
07 91 26 00-0039 LF 1" Seals O-Ring Cord, J-Seal	3.55	1.04
07 91 26 00-0040 LF 1-1/4" Seals O-Ring Cord, J-Seal	3.82	1.12
07 91 26 00-0041 LF 1-1/2" Seals O-Ring Cord, J-Seal	4.02	1.12
07 91 26 00-0042 LF 1-3/4" Seals O-Ring Cord, J-Seal	4.26	1.19
07 91 26 00-0043 LF 2" Seals O-Ring Cord, J-Seal	4.43	1.19
 07 92 Joint Sealants (07 92)		
07 92 13 Elastomeric Joint Sealants (07 92)		
07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)		
07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking	282.88	120.97
For Coloring, Add	14.73	
For 1 Part Mildew Resistant, Add	14.33	
For High-Modulus Non-Acid Curing, Add	8.19	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking	310.91	124.76
For Coloring, Add	22.10	
For 1 Part Mildew Resistant, Add	21.49	
For High-Modulus Non-Acid Curing, Add	12.28	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking	338.90	128.53
For Coloring, Add	29.47	
For 1 Part Mildew Resistant, Add	28.65	
For High-Modulus Non-Acid Curing, Add	16.37	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking	349.13	128.53
For Coloring, Add	33.16	
For 1 Part Mildew Resistant, Add	32.24	
For High-Modulus Non-Acid Curing, Add	18.42	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking	387.46	132.32
For Coloring, Add	44.21	
For 1 Part Mildew Resistant, Add	42.98	
For High-Modulus Non-Acid Curing, Add	24.56	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking	425.72	136.10
For Coloring, Add	55.26	
For 1 Part Mildew Resistant, Add	53.73	
For High-Modulus Non-Acid Curing, Add	30.70	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking	471.48	143.66
For Coloring, Add	66.32	
For 1 Part Mildew Resistant, Add	64.47	
For High-Modulus Non-Acid Curing, Add	36.84	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking	435.95	136.10
For Coloring, Add	58.95	
For 1 Part Mildew Resistant, Add	57.31	
For High-Modulus Non-Acid Curing, Add	32.75	

07 Thermal And Moisture Protection

07 90 Joint Protection

07 92 Joint Sealants



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0010	CLF		1/2" x 5/8" Joint, Silicone Sealant And Caulking	507.11	151.22
			<i>For Coloring, Add</i>	73.68	
			<i>For 1 Part Mildew Resistant, Add</i>	71.63	
			<i>For High-Modulus Non-Acid Curing, Add</i>	40.93	
07 92 13 00-0011	CLF		1/2" x 3/4" Joint, Silicone Sealant And Caulking	563.19	158.79
			<i>For Coloring, Add</i>	88.42	
			<i>For 1 Part Mildew Resistant, Add</i>	85.96	
			<i>For High-Modulus Non-Acid Curing, Add</i>	49.12	
07 92 13 00-0012	CLF		1/2" x 7/8" Joint, Silicone Sealant And Caulking	619.21	166.33
			<i>For Coloring, Add</i>	103.15	
			<i>For 1 Part Mildew Resistant, Add</i>	100.29	
			<i>For High-Modulus Non-Acid Curing, Add</i>	57.31	
07 92 13 00-0013	CLF		1/2" x 1" Joint, Silicone Sealant And Caulking	667.69	170.11
			<i>For Coloring, Add</i>	117.89	
			<i>For 1 Part Mildew Resistant, Add</i>	114.62	
			<i>For High-Modulus Non-Acid Curing, Add</i>	65.50	
07 92 13 00-0014	CLF		3/4" x 3/4" Joint, Silicone Sealant And Caulking	716.26	173.89
			<i>For Coloring, Add</i>	132.63	
			<i>For 1 Part Mildew Resistant, Add</i>	128.94	
			<i>For High-Modulus Non-Acid Curing, Add</i>	73.68	
07 92 13 00-0015	CLF		1" x 1" Joint, Silicone Sealant And Caulking	1,033.01	189.02
			<i>For Coloring, Add</i>	235.79	
			<i>For 1 Part Mildew Resistant, Add</i>	229.24	
			<i>For High-Modulus Non-Acid Curing, Add</i>	130.99	
07 92 13 00-0016 Acrylic/Latex Sealant And Caulking <small>(07 92 13)</small>					
07 92 13 00-0017	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	262.87	120.97
07 92 13 00-0018	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	280.87	124.76
07 92 13 00-0019	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	298.86	128.53
07 92 13 00-0020	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	304.08	128.53
07 92 13 00-0021	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	327.40	132.32
07 92 13 00-0022	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	350.63	136.10
07 92 13 00-0023	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	381.38	143.66
07 92 13 00-0024	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	355.86	136.10
07 92 13 00-0025	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	407.00	151.22
07 92 13 00-0026	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	443.06	158.79
07 92 13 00-0027	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	479.06	166.33
07 92 13 00-0028	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	507.51	170.11
07 92 13 00-0029	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	536.07	173.89
07 92 13 00-0030	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking	712.66	189.02
07 92 13 00-0031 Polyurethane Sealant And Caulking <small>(07 92 13)</small>					
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0032	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	273.36	120.97
07 92 13 00-0033	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	296.59	125.51
07 92 13 00-0034	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	319.82	128.53
07 92 13 00-0035	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	327.67	128.53
07 92 13 00-0036	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	358.85	132.32
07 92 13 00-0037	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	389.94	136.10
07 92 13 00-0038	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	428.55	143.66
07 92 13 00-0039	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	397.79	136.10
07 92 13 00-0040	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	459.42	151.22
07 92 13 00-0041	CLF		1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	505.95	158.79
07 92 13 00-0042	CLF		1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	552.44	166.33
07 92 13 00-0043	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking	591.38	170.11
07 92 13 00-0044	CLF		3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	630.41	173.89
07 92 13 00-0045	CLF		3/4" x 1" Joint, Polyurethane Sealant And Caulking	754.80	189.02
07 92 13 00-0046 Flexible Polysulfide Sealant And Caulking, Clear <small>(07 92 13)</small>					
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0047	CLF		1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	276.33	120.97
07 92 13 00-0048	CLF		1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	301.08	126.27
07 92 13 00-0049	CLF		1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	325.80	128.53
07 92 13 00-0050	CLF		3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	334.39	128.53
07 92 13 00-0051	CLF		3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	367.82	132.32
07 92 13 00-0052	CLF		3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	401.15	136.10
07 92 13 00-0053	CLF		3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	441.99	143.66
07 92 13 00-0054	CLF		1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	409.74	136.10
07 92 13 00-0055	CLF		1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	474.36	151.22
07 92 13 00-0056	CLF		1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	523.88	158.79
07 92 13 00-0057	CLF		1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	573.36	166.33
07 92 13 00-0058	CLF		1/2" x 1" Joint, Polysulfide Sealant And Caulking	615.27	170.11
07 92 13 00-0059	CLF		3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	657.30	173.89
07 92 13 00-0060	CLF		3/4" x 1" Joint, Polysulfide Sealant And Caulking	790.64	189.02
07 92 13 00-0061 Flexible Polyurethane Security Sealant And Caulking <small>(07 92 13)</small>					
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0062	CLF		1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	283.63	120.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0063 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	312.00	125.51
07 92 13 00-0064 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	340.37	128.53
07 92 13 00-0065 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	350.78	128.53
07 92 13 00-0066 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	389.67	132.32
07 92 13 00-0067 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	428.47	136.10
07 92 13 00-0068 CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	474.78	143.66
07 92 13 00-0069 CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	438.89	136.10
07 92 13 00-0070 CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	510.78	151.22
07 92 13 00-0071 CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	567.59	158.79
07 92 13 00-0072 CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	624.35	166.33
07 92 13 00-0073 CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	673.56	170.11
07 92 13 00-0074 CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	722.87	173.89
07 92 13 00-0075 CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	878.07	189.02

07 92 19 Acoustical Joint Sealants (07 92)

07 92 19 00-0001 Acoustical Sealant (07 92 19)

07 92 19 00-0002 CLF 1/4" x 1/4" Joint, Acoustical Sealant	251.45	113.42
<i>For Coloring, Add</i>	8.87	
<i>For 1 Part Mildew Resistant, Add</i>	8.62	
<i>For High-Modulus Non-Acid Curing, Add</i>	4.93	
07 92 19 00-0003 CLF 1/4" x 3/8" Joint, Acoustical Sealant	275.96	120.97
<i>For Coloring, Add</i>	12.24	
<i>For 1 Part Mildew Resistant, Add</i>	11.90	
<i>For High-Modulus Non-Acid Curing, Add</i>	6.80	
07 92 19 00-0004 CLF 1/4" x 1/2" Joint, Acoustical Sealant	296.55	128.53
<i>For Coloring, Add</i>	14.23	
<i>For 1 Part Mildew Resistant, Add</i>	13.83	
<i>For High-Modulus Non-Acid Curing, Add</i>	7.90	
07 92 19 00-0005 CLF 3/8" x 3/8" Joint, Acoustical Sealant	311.86	128.53
<i>For Coloring, Add</i>	19.74	
<i>For 1 Part Mildew Resistant, Add</i>	19.19	
<i>For High-Modulus Non-Acid Curing, Add</i>	10.97	
07 92 19 00-0006 CLF 3/8" x 1/2" Joint, Acoustical Sealant	335.41	132.32
<i>For Coloring, Add</i>	25.47	
<i>For 1 Part Mildew Resistant, Add</i>	24.76	
<i>For High-Modulus Non-Acid Curing, Add</i>	14.15	
07 92 19 00-0007 CLF 1/2" x 1/2" Joint, Acoustical Sealant	371.91	136.10
<i>For Coloring, Add</i>	35.89	
<i>For 1 Part Mildew Resistant, Add</i>	34.90	
<i>For High-Modulus Non-Acid Curing, Add</i>	19.94	

07 95 Expansion Control (07 90)

07 95 13 Expansion Joint Cover Assemblies (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 00-0001 Floor Assembly Type (07 95 13)

07 95 13 00-0002 With 1" Space (07 95 13 00-0001)

07 95 13 00-0003 LF Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type.....	35.40	4.98
07 95 13 00-0004 LF Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	61.62	4.98
07 95 13 00-0005 LF Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type.....	70.21	4.98

07 95 13 00-0006 With 2" Space (07 95 13 00-0001)

07 95 13 00-0007 LF Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type.....	42.17	4.98
07 95 13 00-0008 LF Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	74.87	4.98
07 95 13 00-0009 LF Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type.....	94.39	4.98

07 95 13 00-0010 Ceiling And Wall Assembly Type (07 95 13)

07 95 13 00-0011 With 1" Space (07 95 13 00-0010)

07 95 13 00-0012 LF Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	28.63	4.98
07 95 13 00-0013 LF Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	48.37	4.98
07 95 13 00-0014 LF Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	58.12	4.98

07 95 13 00-0015 With 2" Space (07 95 13 00-0010)

07 95 13 00-0016 LF Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	32.69	4.98
07 95 13 00-0017 LF Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	54.99	4.98
07 95 13 00-0018 LF Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	70.21	4.98

07 95 13 00-0019 Roof To Roof (07 95 13)

07 95 13 00-0020 LF Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	35.94	3.32
07 95 13 00-0021 LF Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	41.64	3.32

07 95 13 00-0022 Roof To Wall (07 95 13)

07 Thermal And Moisture Protection**07 90 Joint Protection****07 95 Expansion Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 00-0023 LF Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies.....	29.64	3.32
07 95 13 00-0024 LF Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies.....	36.61	3.32
07 95 13 00-0025 Flat Wall To Wall <small>(07 95 13)</small>		
07 95 13 00-0026 LF Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	23.60	3.32
07 95 13 00-0027 LF Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	27.79	3.32
07 95 13 00-0028 Corner To Flat Wall <small>(07 95 13)</small>		
07 95 13 00-0029 LF Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	23.47	3.32
07 95 13 00-0030 LF Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	26.26	3.32

END OF SECTION 07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 01 Operation And Maintenance Of Openings ⁽⁰⁸⁾

08 01 10 Operation And Maintenance Of Doors And Frames ^(08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames ^(08 01 10)

08 01 11 00-0001	EA	Hollow Metal Door Repair ^(08 01 11) Note: Repairs are based on holes or damage of less than 1/2 of a square foot.	
08 01 11 00-0002	SF	Patch Small Drill Holes	6.65
08 01 11 00-0003	LF	Patch Deep Scrapes Or Cuts In Doors	33.24
08 01 11 00-0004	IN	Patch Holes Larger Than Normal Drill Holes (By Diameter Of Holes)	9.97

08 01 50 Operation And Maintenance Of Windows ^(08 01)

08 01 52 Operation and Maintenance of Wood Windows ^(08 01 50)

08 01 52 61 Wood Window Repairs ^(08 01 52)

08 01 52 61-0001	EA	Window Restoration And Replacement ^(08 01 52 61)	
08 01 52 61-0002	EA	Remove And Replace Sash Guides	8.36
08 01 52 61-0003	EA	Remove And Replace Window Arms	23.41
08 01 52 61-0004	EA	Remove And Replace Window Crank Operator	25.38
08 01 52 61-0005	EA	Remove And Replace Brass Window Sash Pull	16.26
08 01 52 61-0006	EA	Remove And Replace Brass Window Sash Lock	14.75
08 01 52 61-0007	EA	Remove And Replace Window Balance, Removable Sash Window	17.62
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Remove And Replace Window Balance, Sash Window Requiring The Removal And Replacement Of Wooden Stops And/Or Casing	55.45
		Note: Channel, spiral or coil balance.	
		<i>For Replacing Two Balances In One Window, Deduct</i>	-20.88

08 01 80 Maintenance of Glazing ^(08 01)

08 01 81 Maintenance of Glass Glazing ^(08 01 80)

08 01 81 00-0001	EA	Glazing Compound Repair ^(08 01 81)	
08 01 81 00-0002	LF	Replace Damaged, Broken Or Cracked Window Glazing Up To 1/2" Wide	3.84
		Note: Compound installation includes removal of existing.	

08 05 Common Work Results For Openings ⁽⁰⁸⁾

08 05 13 Door Options And Modifications ^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) ^(08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	70.79
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	35.40
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	89.61
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	44.81
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	103.95
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	51.98
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	132.63
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	66.32
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	172.05
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	86.03
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	219.55
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	109.78
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	232.99
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	116.50
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	140.00
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	32.18
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	164.67
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	40.73
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	185.27
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	47.25

08 Openings**08 05 Common Work Results For Openings****08 05 13 Door Options And Modifications**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0012	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	218.90	
			For 9/16" To 1-1/16" Glazing Pocket, Add	60.29	
08 05 13 00-0013	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	262.31	
			For 9/16" To 1-1/16" Glazing Pocket, Add	78.21	
08 05 13 00-0014	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	313.05	
			For 9/16" To 1-1/16" Glazing Pocket, Add	99.80	
08 05 13 00-0015	EA		For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	332.83	
			For 9/16" To 1-1/16" Glazing Pocket, Add	105.91	
08 05 13 00-0016			Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)		
			Note: Factory primed or powder coated.		
08 05 13 00-0017	EA		For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	87.82	
08 05 13 00-0018	EA		For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	98.57	
08 05 13 00-0019	EA		For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	130.83	
08 05 13 00-0020	EA		For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	207.90	
08 05 13 00-0021	EA		For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	275.11	
08 05 13 00-0022	EA		For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	342.32	
08 05 13 00-0023	EA		For >10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	389.81	
08 05 13 00-0024	EA		For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	144.55	
08 05 13 00-0025	EA		For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	160.97	
08 05 13 00-0026	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	198.91	
08 05 13 00-0027	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	281.65	
08 05 13 00-0028	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	354.53	
08 05 13 00-0029	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	427.42	
08 05 13 00-0030	EA		For >10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	480.58	
08 05 13 00-0031			Door Hardware Preparation (08 05 13)		
08 05 13 00-0032	EA		Prepare Existing Wood Door (Rated) For Mortise Hardware	139.88	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0033	EA		Prepare Existing Wood Door (Non Rated) For Mortise Hardware	64.27	
08 05 13 00-0034	EA		Prepare Existing Wood Door (Rated) For Cylindrical Hardware	113.42	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0035	EA		Prepare Existing Wood Door (Non Rated) For Cylindrical Hardware	18.90	
08 05 13 00-0036	EA		Prepare Existing Wood Door (Rated) For Concealed Vertical Rod	207.95	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0037	EA		Prepare Existing Wood Door (Non Rated) For Concealed Vertical Rod	132.32	
08 05 13 00-0038	EA		Prepare Existing Wood Door (Rated) For Electric Hardware	139.88	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0039	EA		Prepare Existing Door (Non Rated) For Electric Hardware	64.27	
08 05 13 00-0040			Door Modifications (08 05 13)		
08 05 13 00-0041	EA		For Factory Installed Sound Proofing (STC 28) In Metal Door, Add	67.45	
08 05 13 00-0042	SF		For 16 Gauge Steel Metal Plate Bolted On Door	15.25	
			Note: Includes mounting hardware.		
08 05 13 00-0043	EA		Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	68.08	
			Note: Excludes removal and reinstallation of door.		
08 05 13 00-0044	EA		Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	34.33	
			Note: Excludes removal and reinstallation of door.		
08 05 13 00-0045	EA		Modify Metal Door Frame For Door Swing	789.76	
			Note: Includes removal of door, blank hinge plates, continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0046	EA		Remove And Reinstall Door	64.29	
08 05 13 00-0047	EA		Remove And Reinstall Metal Door Frame	126.07	
08 05 13 00-0048	EA		Remove And Reinstall Wood Door Frame	76.28	

08 10 Doors And Frames (08)**08 11 Metal Doors And Frames (08 10)****08 11 63 Metal Screen And Storm Doors And Frames (08 11)**



Openings	08	08
Doors And Frames	08 10	
Metal Doors And Frames	08 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 11 63 13 Steel Screen And Storm Doors And Frames (08 11 63)

08 11 63 13-0001	Steel Screen Door (08 11 63 13)		
	Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 13-0002	EA 2'-8" x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	531.30	104.00
08 11 63 13-0003	EA 3' x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	538.90	107.79
08 11 63 13-0004	EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	692.28	107.79

08 11 63 23 Aluminum Screen And Storm Doors And Frames (08 11 63)

08 11 63 23-0001	Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)		
	Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002	EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware <i>For Special Finished, Add</i>	372.28 26.52	60.52
08 11 63 23-0003	EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware.....	387.19	60.52
08 11 63 23-0004	EA Aluminum Screen Door.....	249.81	37.80
08 11 63 23-0005	SF Repair Screen Door.....	5.31	

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001	Motor Operated Fire Door (08 11 73)		
	Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002	EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,131.95	415.31
08 11 73 00-0003	EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,295.86	415.31
08 11 73 00-0004	EA 4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,566.57	415.31
08 11 73 00-0005	EA 5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,864.91	415.31

08 12 Metal Frames (08 10)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001	Metal Frames 4-3/4" Depth x 16 Gauge, Knock-Down (08 12 13 13)		
08 12 13 13-0002	6'-8" Through 7'-2" High (08 12 13 13-0001)		
08 12 13 13-0003	EA 2' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	198.58	56.73
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	12.77	
	<i>For Welded Frames, Add</i>	45.00	
	<i>For Galvanized Frames, Add</i>	10.21	
	<i>For Type 304 Stainless Steel Frame, Add</i>	158.89	
	<i>For Type 316 Stainless Steel Frame, Add</i>	184.43	
	<i>For Baked Enamel Finish, Add</i>	42.56	
	<i>For 3/4 Hour Rating, Add</i>	30.70	
	<i>For 1-1/2 Hour Rating, Add</i>	35.08	
	<i>For 3 Hour Rating, Add</i>	43.86	
	<i>For 18 Gauge Frame, Deduct</i>	-8.51	
	<i>For 14 Gauge Frame, Add</i>	21.28	
	<i>For 12 Gauge Frame, Add</i>	32.35	
08 12 13 13-0004	EA 2'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	226.14	62.40
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.20	
	<i>For Welded Frames, Add</i>	45.00	
	<i>For Galvanized Frames, Add</i>	12.16	
	<i>For Type 304 Stainless Steel Frame, Add</i>	188.63	
	<i>For Type 316 Stainless Steel Frame, Add</i>	219.03	
	<i>For Baked Enamel Finish, Add</i>	49.12	
	<i>For 3/4 Hour Rating, Add</i>	30.70	
	<i>For 1-1/2 Hour Rating, Add</i>	35.08	
	<i>For 3 Hour Rating, Add</i>	43.86	
	<i>For 18 Gauge Frame, Deduct</i>	-10.13	
	<i>For 14 Gauge Frame, Add</i>	25.33	
	<i>For 12 Gauge Frame, Add</i>	38.51	
08 12 13 13-0005	EA 2'-6" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	235.32	66.19
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.44	
	<i>For Welded Frames, Add</i>	45.00	
	<i>For Galvanized Frames, Add</i>	12.35	
	<i>For Type 304 Stainless Steel Frame, Add</i>	191.93	
	<i>For Type 316 Stainless Steel Frame, Add</i>	222.81	
	<i>For Baked Enamel Finish, Add</i>	50.74	
	<i>For 3/4 Hour Rating, Add</i>	30.70	
	<i>For 1-1/2 Hour Rating, Add</i>	35.08	
	<i>For 3 Hour Rating, Add</i>	43.86	
	<i>For 18 Gauge Frame, Deduct</i>	-10.30	
	<i>For 14 Gauge Frame, Add</i>	25.74	
	<i>For 12 Gauge Frame, Add</i>	39.12	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	246.67	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.44	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	12.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	192.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	223.38	
			<i>For Baked Enamel Finish, Add</i>	52.44	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-10.30	
			<i>For 14 Gauge Frame, Add</i>	25.74	
			<i>For 12 Gauge Frame, Add</i>	39.12	
08 12 13 13-0007	EA		3' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	257.47	75.64
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.93	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	12.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	198.71	
			<i>For Type 316 Stainless Steel Frame, Add</i>	230.56	
			<i>For Baked Enamel Finish, Add</i>	54.55	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-10.62	
			<i>For 14 Gauge Frame, Add</i>	26.55	
			<i>For 12 Gauge Frame, Add</i>	40.35	
08 12 13 13-0008	EA		3'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	272.34	79.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.62	
			<i>For Type 304 Stainless Steel Frame, Add</i>	212.22	
			<i>For Type 316 Stainless Steel Frame, Add</i>	246.27	
			<i>For Baked Enamel Finish, Add</i>	57.87	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.35	
			<i>For 14 Gauge Frame, Add</i>	28.37	
			<i>For 12 Gauge Frame, Add</i>	43.13	
08 12 13 13-0009	EA		3'-6" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	279.90	83.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.62	
			<i>For Type 304 Stainless Steel Frame, Add</i>	212.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	246.65	
			<i>For Baked Enamel Finish, Add</i>	59.01	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.35	
			<i>For 14 Gauge Frame, Add</i>	28.37	
			<i>For 12 Gauge Frame, Add</i>	43.13	
08 12 13 13-0010	EA		4' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	291.51	86.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.63	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	14.10	
			<i>For Type 304 Stainless Steel Frame, Add</i>	220.27	
			<i>For Type 316 Stainless Steel Frame, Add</i>	255.53	
			<i>For Baked Enamel Finish, Add</i>	61.36	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.75	
			<i>For 14 Gauge Frame, Add</i>	29.39	
			<i>For 12 Gauge Frame, Add</i>	44.67	
08 12 13 13-0011	EA		5' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	303.14	90.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.24	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	14.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	227.96	
			<i>For Type 316 Stainless Steel Frame, Add</i>	264.44	
			<i>For Baked Enamel Finish, Add</i>	63.71	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.16	
			<i>For 14 Gauge Frame, Add</i>	30.40	
			<i>For 12 Gauge Frame, Add</i>	46.21	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012 EA 5'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	310.70	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	18.24	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	14.59	
For Type 304 Stainless Steel Frame, Add	228.34	
For Type 316 Stainless Steel Frame, Add	264.82	
For Baked Enamel Finish, Add	64.85	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.16	
For 14 Gauge Frame, Add	30.40	
For 12 Gauge Frame, Add	46.21	
08 12 13 13-0013 EA 6' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	322.31	98.33
For Auxiliary Frame Reinforcement For Hinges, Add	18.85	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.08	
For Type 304 Stainless Steel Frame, Add	236.00	
For Type 316 Stainless Steel Frame, Add	273.70	
For Baked Enamel Finish, Add	67.19	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.57	
For 14 Gauge Frame, Add	31.41	
For 12 Gauge Frame, Add	47.75	
08 12 13 13-0014 EA 7' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	334.21	100.23
For Auxiliary Frame Reinforcement For Hinges, Add	20.06	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.05	
For Type 304 Stainless Steel Frame, Add	250.79	
For Type 316 Stainless Steel Frame, Add	290.92	
For Baked Enamel Finish, Add	70.20	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.38	
For 14 Gauge Frame, Add	33.44	
For 12 Gauge Frame, Add	50.83	
08 12 13 13-0015 EA 8' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	346.09	102.12
For Auxiliary Frame Reinforcement For Hinges, Add	21.28	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	17.02	
For Type 304 Stainless Steel Frame, Add	265.56	
For Type 316 Stainless Steel Frame, Add	308.12	
For Baked Enamel Finish, Add	73.19	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-14.19	
For 14 Gauge Frame, Add	35.47	
For 12 Gauge Frame, Add	53.91	
08 12 13 13-0016 >7'-2" Through 9'-0" High <small>(08 12 13 13-0001)</small>		
08 12 13 13-0017 EA 2' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	208.04	56.73
For Auxiliary Frame Reinforcement For Hinges, Add	14.19	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	11.35	
For Type 304 Stainless Steel Frame, Add	175.92	
For Type 316 Stainless Steel Frame, Add	204.29	
For Baked Enamel Finish, Add	45.39	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-9.46	
For 14 Gauge Frame, Add	23.65	
For 12 Gauge Frame, Add	35.94	
08 12 13 13-0018 EA 2'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	237.40	62.40
For Auxiliary Frame Reinforcement For Hinges, Add	16.89	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	13.51	
For Type 304 Stainless Steel Frame, Add	208.90	
For Type 316 Stainless Steel Frame, Add	242.68	
For Baked Enamel Finish, Add	52.50	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-11.26	
For 14 Gauge Frame, Add	28.15	
For 12 Gauge Frame, Add	42.78	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0019	EA		2'-6" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	246.76	66.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	212.52	
			<i>For Type 316 Stainless Steel Frame, Add</i>	246.84	
			<i>For Baked Enamel Finish, Add</i>	54.17	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.44	
			<i>For 14 Gauge Frame, Add</i>	28.60	
			<i>For 12 Gauge Frame, Add</i>	43.47	
08 12 13 13-0020	EA		2'-8" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	258.11	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	213.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	247.41	
			<i>For Baked Enamel Finish, Add</i>	55.88	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.44	
			<i>For 14 Gauge Frame, Add</i>	28.60	
			<i>For 12 Gauge Frame, Add</i>	43.47	
08 12 13 13-0021	EA		3' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	269.27	75.64
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.70	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	14.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	219.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	255.34	
			<i>For Baked Enamel Finish, Add</i>	58.09	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.80	
			<i>For 14 Gauge Frame, Add</i>	29.50	
			<i>For 12 Gauge Frame, Add</i>	44.84	
08 12 13 13-0022	EA		3'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	284.95	79.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.92	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	234.92	
			<i>For Type 316 Stainless Steel Frame, Add</i>	272.75	
			<i>For Baked Enamel Finish, Add</i>	61.66	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.61	
			<i>For 14 Gauge Frame, Add</i>	31.53	
			<i>For 12 Gauge Frame, Add</i>	47.92	
08 12 13 13-0023	EA		3'-6" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	292.51	83.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.92	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	235.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	273.13	
			<i>For Baked Enamel Finish, Add</i>	62.79	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.61	
			<i>For 14 Gauge Frame, Add</i>	31.53	
			<i>For 12 Gauge Frame, Add</i>	47.92	
08 12 13 13-0024	EA		4' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	304.57	86.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.59	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	243.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	282.96	
			<i>For Baked Enamel Finish, Add</i>	65.28	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.06	
			<i>For 14 Gauge Frame, Add</i>	32.65	
			<i>For 12 Gauge Frame, Add</i>	49.63	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0025 EA 5' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	316.65	90.77
For Auxiliary Frame Reinforcement For Hinges, Add	20.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.21	
For Type 304 Stainless Steel Frame, Add	252.28	
For Type 316 Stainless Steel Frame, Add	292.81	
For Baked Enamel Finish, Add	67.76	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.51	
For 14 Gauge Frame, Add	33.78	
For 12 Gauge Frame, Add	51.34	
08 12 13 13-0026 EA 5'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	324.21	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	20.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.21	
For Type 304 Stainless Steel Frame, Add	252.65	
For Type 316 Stainless Steel Frame, Add	293.19	
For Baked Enamel Finish, Add	68.90	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.51	
For 14 Gauge Frame, Add	33.78	
For 12 Gauge Frame, Add	51.34	
08 12 13 13-0027 EA 6' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	336.27	98.33
For Auxiliary Frame Reinforcement For Hinges, Add	20.94	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.75	
For Type 304 Stainless Steel Frame, Add	261.13	
For Type 316 Stainless Steel Frame, Add	303.01	
For Baked Enamel Finish, Add	71.38	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.96	
For 14 Gauge Frame, Add	34.90	
For 12 Gauge Frame, Add	53.05	
08 12 13 13-0028 EA 7' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	349.07	100.23
For Auxiliary Frame Reinforcement For Hinges, Add	22.29	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	17.83	
For Type 304 Stainless Steel Frame, Add	277.54	
For Type 316 Stainless Steel Frame, Add	322.12	
For Baked Enamel Finish, Add	74.65	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-14.86	
For 14 Gauge Frame, Add	37.16	
For 12 Gauge Frame, Add	56.48	
08 12 13 13-0029 EA 8' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	361.86	102.12
For Auxiliary Frame Reinforcement For Hinges, Add	23.64	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	18.92	
For Type 304 Stainless Steel Frame, Add	293.95	
For Type 316 Stainless Steel Frame, Add	341.23	
For Baked Enamel Finish, Add	77.92	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-15.76	
For 14 Gauge Frame, Add	39.41	
For 12 Gauge Frame, Add	59.90	
08 12 13 13-0030 Metal Frames 5-3/4" Depth x 16 Gauge, Knock-Down (08 12 13 13)		
08 12 13 13-0031 6'-8" Through 7'-2" High (08 12 13 13-0030)		
08 12 13 13-0032 EA 2' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	208.04	56.73
For Auxiliary Frame Reinforcement For Hinges, Add	14.19	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	11.35	
For Type 304 Stainless Steel Frame, Add	175.92	
For Type 316 Stainless Steel Frame, Add	204.29	
For Baked Enamel Finish, Add	45.39	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-9.46	
For 14 Gauge Frame, Add	23.65	
For 12 Gauge Frame, Add	35.94	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0033	EA		2'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	237.40	62.40
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	16.89	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	208.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	242.68	
			<i>For Baked Enamel Finish, Add</i>	52.50	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.26	
			<i>For 14 Gauge Frame, Add</i>	28.15	
			<i>For 12 Gauge Frame, Add</i>	42.78	
08 12 13 13-0034	EA		2'-6" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	246.76	66.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	212.52	
			<i>For Type 316 Stainless Steel Frame, Add</i>	246.84	
			<i>For Baked Enamel Finish, Add</i>	54.17	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.44	
			<i>For 14 Gauge Frame, Add</i>	28.60	
			<i>For 12 Gauge Frame, Add</i>	43.47	
08 12 13 13-0035	EA		2'-8" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	258.11	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	213.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	247.41	
			<i>For Baked Enamel Finish, Add</i>	55.88	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.44	
			<i>For 14 Gauge Frame, Add</i>	28.60	
			<i>For 12 Gauge Frame, Add</i>	43.47	
08 12 13 13-0036	EA		3' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	269.27	75.64
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.70	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	14.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	219.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	255.34	
			<i>For Baked Enamel Finish, Add</i>	58.09	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.80	
			<i>For 14 Gauge Frame, Add</i>	29.50	
			<i>For 12 Gauge Frame, Add</i>	44.84	
08 12 13 13-0037	EA		3'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	284.95	79.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.92	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	234.92	
			<i>For Type 316 Stainless Steel Frame, Add</i>	272.75	
			<i>For Baked Enamel Finish, Add</i>	61.66	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.61	
			<i>For 14 Gauge Frame, Add</i>	31.53	
			<i>For 12 Gauge Frame, Add</i>	47.92	
08 12 13 13-0038	EA		3'-6" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	292.51	83.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.92	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	235.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	273.13	
			<i>For Baked Enamel Finish, Add</i>	62.79	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.61	
			<i>For 14 Gauge Frame, Add</i>	31.53	
			<i>For 12 Gauge Frame, Add</i>	47.92	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0039 EA 4' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	304.57	86.99
For Auxiliary Frame Reinforcement For Hinges, Add	19.59	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.67	
For Type 304 Stainless Steel Frame, Add	243.78	
For Type 316 Stainless Steel Frame, Add	282.96	
For Baked Enamel Finish, Add	65.28	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.06	
For 14 Gauge Frame, Add	32.65	
For 12 Gauge Frame, Add	49.63	
08 12 13 13-0040 EA 5' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	316.65	90.77
For Auxiliary Frame Reinforcement For Hinges, Add	20.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.21	
For Type 304 Stainless Steel Frame, Add	252.28	
For Type 316 Stainless Steel Frame, Add	292.81	
For Baked Enamel Finish, Add	67.76	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.51	
For 14 Gauge Frame, Add	33.78	
For 12 Gauge Frame, Add	51.34	
08 12 13 13-0041 EA 5'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	324.21	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	20.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.21	
For Type 304 Stainless Steel Frame, Add	252.65	
For Type 316 Stainless Steel Frame, Add	293.19	
For Baked Enamel Finish, Add	68.90	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.51	
For 14 Gauge Frame, Add	33.78	
For 12 Gauge Frame, Add	51.34	
08 12 13 13-0042 EA 6' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	336.27	98.33
For Auxiliary Frame Reinforcement For Hinges, Add	20.94	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.75	
For Type 304 Stainless Steel Frame, Add	261.13	
For Type 316 Stainless Steel Frame, Add	303.01	
For Baked Enamel Finish, Add	71.38	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.96	
For 14 Gauge Frame, Add	34.90	
For 12 Gauge Frame, Add	53.05	
08 12 13 13-0043 EA 7' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	349.07	100.23
For Auxiliary Frame Reinforcement For Hinges, Add	22.29	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	17.83	
For Type 304 Stainless Steel Frame, Add	277.54	
For Type 316 Stainless Steel Frame, Add	322.12	
For Baked Enamel Finish, Add	74.65	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-14.86	
For 14 Gauge Frame, Add	37.16	
For 12 Gauge Frame, Add	56.48	
08 12 13 13-0044 EA 8' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	361.86	102.12
For Auxiliary Frame Reinforcement For Hinges, Add	23.64	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	18.92	
For Type 304 Stainless Steel Frame, Add	293.95	
For Type 316 Stainless Steel Frame, Add	341.23	
For Baked Enamel Finish, Add	77.92	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-15.76	
For 14 Gauge Frame, Add	39.41	
For 12 Gauge Frame, Add	59.90	

08 12 13 13-0045 >7'-2" Through 9'-0" High (08 12 13 13-0030)

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0046	EA	2' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	218.54	56.73
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.76	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	12.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	194.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	226.34	
			<i>For Baked Enamel Finish, Add</i>	48.54	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-10.51	
			<i>For 14 Gauge Frame, Add</i>	26.27	
			<i>For 12 Gauge Frame, Add</i>	39.93	
08 12 13	13-0047	EA	2'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	249.91	62.40
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.77	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	231.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	268.95	
			<i>For Baked Enamel Finish, Add</i>	56.25	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.51	
			<i>For 14 Gauge Frame, Add</i>	31.28	
			<i>For 12 Gauge Frame, Add</i>	47.54	
08 12 13	13-0048	EA	2'-6" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	259.47	66.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.07	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	235.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	273.53	
			<i>For Baked Enamel Finish, Add</i>	57.99	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.71	
			<i>For 14 Gauge Frame, Add</i>	31.78	
			<i>For 12 Gauge Frame, Add</i>	48.30	
08 12 13	13-0049	EA	2'-8" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	270.82	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.07	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	235.97	
			<i>For Type 316 Stainless Steel Frame, Add</i>	274.10	
			<i>For Baked Enamel Finish, Add</i>	59.69	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-12.71	
			<i>For 14 Gauge Frame, Add</i>	31.78	
			<i>For 12 Gauge Frame, Add</i>	48.30	
08 12 13	13-0050	EA	3' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	282.38	75.64
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.67	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	243.54	
			<i>For Type 316 Stainless Steel Frame, Add</i>	282.87	
			<i>For Baked Enamel Finish, Add</i>	62.02	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.11	
			<i>For 14 Gauge Frame, Add</i>	32.78	
			<i>For 12 Gauge Frame, Add</i>	49.82	
08 12 13	13-0051	EA	3'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	298.96	79.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	260.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	302.17	
			<i>For Baked Enamel Finish, Add</i>	65.86	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.01	
			<i>For 14 Gauge Frame, Add</i>	35.03	
			<i>For 12 Gauge Frame, Add</i>	53.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0052	EA		3'-6" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	306.52	83.21
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.02	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	16.81	
				<i>For Type 304 Stainless Steel Frame, Add</i>	260.52	
				<i>For Type 316 Stainless Steel Frame, Add</i>	302.55	
				<i>For Baked Enamel Finish, Add</i>	66.99	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-14.01	
				<i>For 14 Gauge Frame, Add</i>	35.03	
				<i>For 12 Gauge Frame, Add</i>	53.24	
08 12 13	13-0053	EA		4' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	319.09	86.99
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.77	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	17.41	
				<i>For Type 304 Stainless Steel Frame, Add</i>	269.91	
				<i>For Type 316 Stainless Steel Frame, Add</i>	313.45	
				<i>For Baked Enamel Finish, Add</i>	69.63	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-14.51	
				<i>For 14 Gauge Frame, Add</i>	36.28	
				<i>For 12 Gauge Frame, Add</i>	55.15	
08 12 13	13-0054	EA		5' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	331.66	90.77
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.52	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	18.01	
				<i>For Type 304 Stainless Steel Frame, Add</i>	279.29	
				<i>For Type 316 Stainless Steel Frame, Add</i>	324.33	
				<i>For Baked Enamel Finish, Add</i>	72.27	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-15.01	
				<i>For 14 Gauge Frame, Add</i>	37.53	
				<i>For 12 Gauge Frame, Add</i>	57.05	
08 12 13	13-0055	EA		5'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	339.22	94.56
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.52	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	18.01	
				<i>For Type 304 Stainless Steel Frame, Add</i>	279.67	
				<i>For Type 316 Stainless Steel Frame, Add</i>	324.71	
				<i>For Baked Enamel Finish, Add</i>	73.40	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-15.01	
				<i>For 14 Gauge Frame, Add</i>	37.53	
				<i>For 12 Gauge Frame, Add</i>	57.05	
08 12 13	13-0056	EA		6' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	351.78	98.33
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.27	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	18.61	
				<i>For Type 304 Stainless Steel Frame, Add</i>	289.05	
				<i>For Type 316 Stainless Steel Frame, Add</i>	335.59	
				<i>For Baked Enamel Finish, Add</i>	76.04	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-15.51	
				<i>For 14 Gauge Frame, Add</i>	38.78	
				<i>For 12 Gauge Frame, Add</i>	58.95	
08 12 13	13-0057	EA		7' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	365.58	100.23
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.77	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	19.82	
				<i>For Type 304 Stainless Steel Frame, Add</i>	307.26	
				<i>For Type 316 Stainless Steel Frame, Add</i>	356.80	
				<i>For Baked Enamel Finish, Add</i>	79.61	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-16.51	
				<i>For 14 Gauge Frame, Add</i>	41.28	
				<i>For 12 Gauge Frame, Add</i>	62.75	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0058	EA		8' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	379.37	102.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.27	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	21.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	325.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	378.01	
			<i>For Baked Enamel Finish, Add</i>	83.18	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-17.51	
			<i>For 14 Gauge Frame, Add</i>	43.79	
			<i>For 12 Gauge Frame, Add</i>	66.55	
08 12 13 13-0059			Metal Frames 6-3/4" Depth x 16 Gauge, Knock-Down <small>(08 12 13 13)</small>		
08 12 13 13-0060			6'-8" Through 7'-2" High <small>(08 12 13 13-0059)</small>		
08 12 13 13-0061	EA		2' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	263.18	56.73
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.46	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	17.97	
			<i>For Type 304 Stainless Steel Frame, Add</i>	275.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	320.09	
			<i>For Baked Enamel Finish, Add</i>	61.94	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.97	
			<i>For 14 Gauge Frame, Add</i>	37.43	
			<i>For 12 Gauge Frame, Add</i>	56.89	
08 12 13 13-0062	EA		2'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	303.05	62.40
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.74	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	21.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	327.07	
			<i>For Type 316 Stainless Steel Frame, Add</i>	380.54	
			<i>For Baked Enamel Finish, Add</i>	72.19	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-17.82	
			<i>For 14 Gauge Frame, Add</i>	44.56	
			<i>For 12 Gauge Frame, Add</i>	67.73	
08 12 13 13-0063	EA		2'-6" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	313.46	66.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	21.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	332.58	
			<i>For Type 316 Stainless Steel Frame, Add</i>	386.91	
			<i>For Baked Enamel Finish, Add</i>	74.18	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.11	
			<i>For 14 Gauge Frame, Add</i>	45.27	
			<i>For 12 Gauge Frame, Add</i>	68.81	
08 12 13 13-0064	EA		2'-8" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	324.81	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	21.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	333.15	
			<i>For Type 316 Stainless Steel Frame, Add</i>	387.48	
			<i>For Baked Enamel Finish, Add</i>	75.89	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.11	
			<i>For 14 Gauge Frame, Add</i>	45.27	
			<i>For 12 Gauge Frame, Add</i>	68.81	
08 12 13 13-0065	EA		3' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	338.08	75.64
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	22.42	
			<i>For Type 304 Stainless Steel Frame, Add</i>	343.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	399.84	
			<i>For Baked Enamel Finish, Add</i>	78.73	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.68	
			<i>For 14 Gauge Frame, Add</i>	46.70	
			<i>For 12 Gauge Frame, Add</i>	70.98	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0066 EA 3'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	358.48	79.42
For Auxiliary Frame Reinforcement For Hinges, Add	29.94	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	23.96	
For Type 304 Stainless Steel Frame, Add	367.28	
For Type 316 Stainless Steel Frame, Add	427.17	
For Baked Enamel Finish, Add	83.72	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-19.96	
For 14 Gauge Frame, Add	49.91	
For 12 Gauge Frame, Add	75.86	
08 12 13 13-0067 EA 3'-6" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	366.04	83.21
For Auxiliary Frame Reinforcement For Hinges, Add	29.94	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	23.96	
For Type 304 Stainless Steel Frame, Add	367.65	
For Type 316 Stainless Steel Frame, Add	427.54	
For Baked Enamel Finish, Add	84.85	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-19.96	
For 14 Gauge Frame, Add	49.91	
For 12 Gauge Frame, Add	75.86	
08 12 13 13-0068 EA 4' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	380.73	86.99
For Auxiliary Frame Reinforcement For Hinges, Add	31.01	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.81	
For Type 304 Stainless Steel Frame, Add	380.87	
For Type 316 Stainless Steel Frame, Add	442.89	
For Baked Enamel Finish, Add	88.12	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.68	
For 14 Gauge Frame, Add	51.69	
For 12 Gauge Frame, Add	78.57	
08 12 13 13-0069 EA 5' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	395.43	90.77
For Auxiliary Frame Reinforcement For Hinges, Add	32.08	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.67	
For Type 304 Stainless Steel Frame, Add	394.08	
For Type 316 Stainless Steel Frame, Add	458.25	
For Baked Enamel Finish, Add	91.40	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.39	
For 14 Gauge Frame, Add	53.47	
For 12 Gauge Frame, Add	81.28	
08 12 13 13-0070 EA 5'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	402.99	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	32.08	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.67	
For Type 304 Stainless Steel Frame, Add	394.46	
For Type 316 Stainless Steel Frame, Add	458.62	
For Baked Enamel Finish, Add	92.53	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.39	
For 14 Gauge Frame, Add	53.47	
For 12 Gauge Frame, Add	81.28	
08 12 13 13-0071 EA 6' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	417.68	98.33
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.52	
For Type 304 Stainless Steel Frame, Add	407.67	
For Type 316 Stainless Steel Frame, Add	473.98	
For Baked Enamel Finish, Add	95.81	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0072	EA		7' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	435.73	100.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.29	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	433.53	
			<i>For Type 316 Stainless Steel Frame, Add</i>	504.11	
			<i>For Baked Enamel Finish, Add</i>	100.65	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.53	
			<i>For 14 Gauge Frame, Add</i>	58.82	
			<i>For 12 Gauge Frame, Add</i>	89.41	
08 12 13 13-0073	EA		8' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	453.77	102.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.43	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	29.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	459.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	534.25	
			<i>For Baked Enamel Finish, Add</i>	105.50	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-24.95	
			<i>For 14 Gauge Frame, Add</i>	62.39	
			<i>For 12 Gauge Frame, Add</i>	94.83	
08 12 13 13-0074			>7'-2" Through 9'-0" High <small>(08 12 13 13-0059)</small>		
08 12 13 13-0075	EA		2' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	279.82	56.73
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.95	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	19.96	
			<i>For Type 304 Stainless Steel Frame, Add</i>	305.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	355.03	
			<i>For Baked Enamel Finish, Add</i>	66.93	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-16.64	
			<i>For 14 Gauge Frame, Add</i>	41.59	
			<i>For 12 Gauge Frame, Add</i>	63.22	
08 12 13 13-0076	EA		2'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	322.86	62.40
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.71	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	23.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	362.73	
			<i>For Type 316 Stainless Steel Frame, Add</i>	422.15	
			<i>For Baked Enamel Finish, Add</i>	78.14	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-19.81	
			<i>For 14 Gauge Frame, Add</i>	49.51	
			<i>For 12 Gauge Frame, Add</i>	75.26	
08 12 13 13-0077	EA		2'-6" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	333.59	66.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.18	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	368.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	429.18	
			<i>For Baked Enamel Finish, Add</i>	80.22	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.12	
			<i>For 14 Gauge Frame, Add</i>	50.31	
			<i>For 12 Gauge Frame, Add</i>	76.46	
08 12 13 13-0078	EA		2'-8" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	344.94	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.18	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	369.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	429.75	
			<i>For Baked Enamel Finish, Add</i>	81.92	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.12	
			<i>For 14 Gauge Frame, Add</i>	50.31	
			<i>For 12 Gauge Frame, Add</i>	76.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0079	EA		3' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	358.83	75.64
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.13	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	24.91	
				<i>For Type 304 Stainless Steel Frame, Add</i>	381.15	
				<i>For Type 316 Stainless Steel Frame, Add</i>	443.42	
				<i>For Baked Enamel Finish, Add</i>	84.96	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-20.76	
				<i>For 14 Gauge Frame, Add</i>	51.89	
				<i>For 12 Gauge Frame, Add</i>	78.87	
08 12 13	13-0080	EA		3'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	380.66	79.42
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.27	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	26.62	
				<i>For Type 304 Stainless Steel Frame, Add</i>	407.20	
				<i>For Type 316 Stainless Steel Frame, Add</i>	473.74	
				<i>For Baked Enamel Finish, Add</i>	90.37	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-22.18	
				<i>For 14 Gauge Frame, Add</i>	55.45	
				<i>For 12 Gauge Frame, Add</i>	84.29	
08 12 13	13-0081	EA		3'-6" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	388.22	83.21
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.27	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	26.62	
				<i>For Type 304 Stainless Steel Frame, Add</i>	407.58	
				<i>For Type 316 Stainless Steel Frame, Add</i>	474.12	
				<i>For Baked Enamel Finish, Add</i>	91.50	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-22.18	
				<i>For 14 Gauge Frame, Add</i>	55.45	
				<i>For 12 Gauge Frame, Add</i>	84.29	
08 12 13	13-0082	EA		4' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	403.70	86.99
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.46	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	27.57	
				<i>For Type 304 Stainless Steel Frame, Add</i>	422.21	
				<i>For Type 316 Stainless Steel Frame, Add</i>	491.13	
				<i>For Baked Enamel Finish, Add</i>	95.01	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-22.97	
				<i>For 14 Gauge Frame, Add</i>	57.43	
				<i>For 12 Gauge Frame, Add</i>	87.30	
08 12 13	13-0083	EA		5' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	419.20	90.77
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.65	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	28.52	
				<i>For Type 304 Stainless Steel Frame, Add</i>	436.87	
				<i>For Type 316 Stainless Steel Frame, Add</i>	508.16	
				<i>For Baked Enamel Finish, Add</i>	98.53	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-23.77	
				<i>For 14 Gauge Frame, Add</i>	59.42	
				<i>For 12 Gauge Frame, Add</i>	90.31	
08 12 13	13-0084	EA		5'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	426.76	94.56
				<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.65	
				<i>For Welded Frames, Add</i>	45.00	
				<i>For Galvanized Frames, Add</i>	28.52	
				<i>For Type 304 Stainless Steel Frame, Add</i>	437.24	
				<i>For Type 316 Stainless Steel Frame, Add</i>	508.54	
				<i>For Baked Enamel Finish, Add</i>	99.66	
				<i>For 3/4 Hour Rating, Add</i>	30.70	
				<i>For 1-1/2 Hour Rating, Add</i>	35.08	
				<i>For 3 Hour Rating, Add</i>	43.86	
				<i>For 18 Gauge Frame, Deduct</i>	-23.77	
				<i>For 14 Gauge Frame, Add</i>	59.42	
				<i>For 12 Gauge Frame, Add</i>	90.31	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0085	EA	6' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	442.24	98.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.84	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	29.47	
		<i>For Type 304 Stainless Steel Frame, Add</i>	451.88	
		<i>For Type 316 Stainless Steel Frame, Add</i>	525.55	
		<i>For Baked Enamel Finish, Add</i>	103.17	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-24.56	
		<i>For 14 Gauge Frame, Add</i>	61.40	
		<i>For 12 Gauge Frame, Add</i>	93.32	
08 12 13 13-0086	EA	7' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	461.87	100.23
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.21	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	31.37	
		<i>For Type 304 Stainless Steel Frame, Add</i>	480.58	
		<i>For Type 316 Stainless Steel Frame, Add</i>	559.00	
		<i>For Baked Enamel Finish, Add</i>	108.49	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-26.14	
		<i>For 14 Gauge Frame, Add</i>	65.36	
		<i>For 12 Gauge Frame, Add</i>	99.34	
08 12 13 13-0087	EA	8' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	481.50	102.12
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.59	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	33.27	
		<i>For Type 304 Stainless Steel Frame, Add</i>	509.30	
		<i>For Type 316 Stainless Steel Frame, Add</i>	592.48	
		<i>For Baked Enamel Finish, Add</i>	113.82	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-27.73	
		<i>For 14 Gauge Frame, Add</i>	69.32	
		<i>For 12 Gauge Frame, Add</i>	105.36	
08 12 13 13-0088		Metal Frames 6-7/8" Through 8-3/4" Depth x 16 Gauge, Knock-Down (08 12 13 13)		
08 12 13 13-0089		6'-8" Through 7'-2" High (08 12 13 13-0088)		
08 12 13 13-0090	EA	2' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	274.41	56.73
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.14	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	19.31	
		<i>For Type 304 Stainless Steel Frame, Add</i>	295.38	
		<i>For Type 316 Stainless Steel Frame, Add</i>	343.67	
		<i>For Baked Enamel Finish, Add</i>	65.30	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-16.10	
		<i>For 14 Gauge Frame, Add</i>	40.24	
		<i>For 12 Gauge Frame, Add</i>	61.16	
08 12 13 13-0091	EA	2'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	316.42	62.40
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.74	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	22.99	
		<i>For Type 304 Stainless Steel Frame, Add</i>	351.14	
		<i>For Type 316 Stainless Steel Frame, Add</i>	408.62	
		<i>For Baked Enamel Finish, Add</i>	76.20	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-19.16	
		<i>For 14 Gauge Frame, Add</i>	47.90	
		<i>For 12 Gauge Frame, Add</i>	72.81	
08 12 13 13-0092	EA	2'-6" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	327.05	66.19
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.20	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	23.36	
		<i>For Type 304 Stainless Steel Frame, Add</i>	357.04	
		<i>For Type 316 Stainless Steel Frame, Add</i>	415.45	
		<i>For Baked Enamel Finish, Add</i>	78.26	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-19.47	
		<i>For 14 Gauge Frame, Add</i>	48.67	
		<i>For 12 Gauge Frame, Add</i>	73.98	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0093 EA 2'-8" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	338.40	71.86
For Auxiliary Frame Reinforcement For Hinges, Add	29.20	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	23.36	
For Type 304 Stainless Steel Frame, Add	357.61	
For Type 316 Stainless Steel Frame, Add	416.01	
For Baked Enamel Finish, Add	79.96	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-19.47	
For 14 Gauge Frame, Add	48.67	
For 12 Gauge Frame, Add	73.98	
08 12 13 13-0094 EA 2'-10" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame 16 Gauge	345.24	73.75
For Auxiliary Frame Reinforcement For Hinges, Add	29.66	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	23.73	
For Type 304 Stainless Steel Frame, Add	363.31	
For Type 316 Stainless Steel Frame, Add	422.63	
For Baked Enamel Finish, Add	81.45	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-19.77	
For 14 Gauge Frame, Add	49.44	
For 12 Gauge Frame, Add	75.14	
08 12 13 13-0095 EA 3' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	352.09	75.64
For Auxiliary Frame Reinforcement For Hinges, Add	30.12	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.10	
For Type 304 Stainless Steel Frame, Add	369.02	
For Type 316 Stainless Steel Frame, Add	429.27	
For Baked Enamel Finish, Add	82.94	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.08	
For 14 Gauge Frame, Add	50.20	
For 12 Gauge Frame, Add	76.31	
08 12 13 13-0096 EA 3'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	373.45	79.42
For Auxiliary Frame Reinforcement For Hinges, Add	32.19	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.75	
For Type 304 Stainless Steel Frame, Add	394.22	
For Type 316 Stainless Steel Frame, Add	458.60	
For Baked Enamel Finish, Add	88.21	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.46	
For 14 Gauge Frame, Add	53.65	
For 12 Gauge Frame, Add	81.55	
08 12 13 13-0097 EA 3'-6" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	381.01	83.21
For Auxiliary Frame Reinforcement For Hinges, Add	32.19	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.75	
For Type 304 Stainless Steel Frame, Add	394.60	
For Type 316 Stainless Steel Frame, Add	458.98	
For Baked Enamel Finish, Add	89.34	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.46	
For 14 Gauge Frame, Add	53.65	
For 12 Gauge Frame, Add	81.55	
08 12 13 13-0098 EA 4' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	396.24	86.99
For Auxiliary Frame Reinforcement For Hinges, Add	33.34	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.67	
For Type 304 Stainless Steel Frame, Add	408.78	
For Type 316 Stainless Steel Frame, Add	475.47	
For Baked Enamel Finish, Add	92.78	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-22.23	
For 14 Gauge Frame, Add	55.57	
For 12 Gauge Frame, Add	84.46	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0099	EA		5' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	411.47	90.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.49	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	422.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	491.93	
			<i>For Baked Enamel Finish, Add</i>	96.21	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.99	
			<i>For 14 Gauge Frame, Add</i>	57.48	
			<i>For 12 Gauge Frame, Add</i>	87.37	
08 12 13 13-0100	EA		5'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	419.03	94.56
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.49	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	423.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	492.31	
			<i>For Baked Enamel Finish, Add</i>	97.34	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.99	
			<i>For 14 Gauge Frame, Add</i>	57.48	
			<i>For 12 Gauge Frame, Add</i>	87.37	
08 12 13 13-0101	EA		5'-8" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	426.65	96.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.06	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.05	
			<i>For Type 304 Stainless Steel Frame, Add</i>	430.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	500.54	
			<i>For Baked Enamel Finish, Add</i>	99.06	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.38	
			<i>For 14 Gauge Frame, Add</i>	58.44	
			<i>For 12 Gauge Frame, Add</i>	88.83	
08 12 13 13-0102	EA		6' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	434.26	98.33
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.64	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	437.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	508.79	
			<i>For Baked Enamel Finish, Add</i>	100.78	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.76	
			<i>For 14 Gauge Frame, Add</i>	59.40	
			<i>For 12 Gauge Frame, Add</i>	90.29	
08 12 13 13-0103	EA		7' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	453.37	100.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.94	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	30.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	465.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	541.15	
			<i>For Baked Enamel Finish, Add</i>	105.94	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-25.29	
			<i>For 14 Gauge Frame, Add</i>	63.23	
			<i>For 12 Gauge Frame, Add</i>	96.11	
08 12 13 13-0104	EA		8' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	472.48	102.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.24	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	32.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	493.06	
			<i>For Type 316 Stainless Steel Frame, Add</i>	573.54	
			<i>For Baked Enamel Finish, Add</i>	111.11	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-26.83	
			<i>For 14 Gauge Frame, Add</i>	67.06	
			<i>For 12 Gauge Frame, Add</i>	101.94	

08 12 13 13-0105 >7'-2" Through 9'-0" High (08 12 13 13-0088)



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0106 EA 2' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	292.30	56.73
For Auxiliary Frame Reinforcement For Hinges, Add	26.83	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	21.46	
For Type 304 Stainless Steel Frame, Add	327.59	
For Type 316 Stainless Steel Frame, Add	381.24	
For Baked Enamel Finish, Add	70.67	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-17.88	
For 14 Gauge Frame, Add	44.71	
For 12 Gauge Frame, Add	67.96	
08 12 13 13-0107 EA 2'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	337.71	62.40
For Auxiliary Frame Reinforcement For Hinges, Add	31.94	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.55	
For Type 304 Stainless Steel Frame, Add	389.46	
For Type 316 Stainless Steel Frame, Add	453.33	
For Baked Enamel Finish, Add	82.59	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.29	
For 14 Gauge Frame, Add	53.23	
For 12 Gauge Frame, Add	80.90	
08 12 13 13-0108 EA 2'-6" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	348.68	66.19
For Auxiliary Frame Reinforcement For Hinges, Add	32.45	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.96	
For Type 304 Stainless Steel Frame, Add	395.98	
For Type 316 Stainless Steel Frame, Add	460.87	
For Baked Enamel Finish, Add	84.75	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.63	
For 14 Gauge Frame, Add	54.08	
For 12 Gauge Frame, Add	82.20	
08 12 13 13-0109 EA 2'-8" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	360.03	71.86
For Auxiliary Frame Reinforcement For Hinges, Add	32.45	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.96	
For Type 304 Stainless Steel Frame, Add	396.54	
For Type 316 Stainless Steel Frame, Add	461.44	
For Baked Enamel Finish, Add	86.45	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.63	
For 14 Gauge Frame, Add	54.08	
For 12 Gauge Frame, Add	82.20	
08 12 13 13-0110 EA 2'-10" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	367.21	73.75
For Auxiliary Frame Reinforcement For Hinges, Add	32.96	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.37	
For Type 304 Stainless Steel Frame, Add	402.85	
For Type 316 Stainless Steel Frame, Add	468.77	
For Baked Enamel Finish, Add	88.04	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.97	
For 14 Gauge Frame, Add	54.93	
For 12 Gauge Frame, Add	83.49	
08 12 13 13-0111 EA 3' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	374.40	75.64
For Auxiliary Frame Reinforcement For Hinges, Add	33.47	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.77	
For Type 304 Stainless Steel Frame, Add	409.18	
For Type 316 Stainless Steel Frame, Add	476.12	
For Baked Enamel Finish, Add	89.63	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-22.31	
For 14 Gauge Frame, Add	55.78	
For 12 Gauge Frame, Add	84.79	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0112	EA		3'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	397.30	79.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.77	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	437.15	
			<i>For Type 316 Stainless Steel Frame, Add</i>	508.69	
			<i>For Baked Enamel Finish, Add</i>	95.36	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.85	
			<i>For 14 Gauge Frame, Add</i>	59.61	
			<i>For 12 Gauge Frame, Add</i>	90.61	
08 12 13 13-0113	EA		3'-6" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	404.86	83.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.77	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	437.53	
			<i>For Type 316 Stainless Steel Frame, Add</i>	509.07	
			<i>For Baked Enamel Finish, Add</i>	96.50	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.85	
			<i>For 14 Gauge Frame, Add</i>	59.61	
			<i>For 12 Gauge Frame, Add</i>	90.61	
08 12 13 13-0114	EA		4' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	420.93	86.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.04	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	29.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	453.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	527.31	
			<i>For Baked Enamel Finish, Add</i>	100.18	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-24.70	
			<i>For 14 Gauge Frame, Add</i>	61.74	
			<i>For 12 Gauge Frame, Add</i>	93.84	
08 12 13 13-0115	EA		5' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	437.02	90.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.32	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	30.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	468.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	545.59	
			<i>For Baked Enamel Finish, Add</i>	103.88	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-25.55	
			<i>For 14 Gauge Frame, Add</i>	63.87	
			<i>For 12 Gauge Frame, Add</i>	97.08	
08 12 13 13-0116	EA		5'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	444.58	94.56
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.32	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	30.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	469.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	545.96	
			<i>For Baked Enamel Finish, Add</i>	105.01	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-25.55	
			<i>For 14 Gauge Frame, Add</i>	63.87	
			<i>For 12 Gauge Frame, Add</i>	97.08	
08 12 13 13-0117	EA		5'-8" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	452.63	96.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.96	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	31.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	477.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	555.10	
			<i>For Baked Enamel Finish, Add</i>	106.86	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-25.97	
			<i>For 14 Gauge Frame, Add</i>	64.94	
			<i>For 12 Gauge Frame, Add</i>	98.70	



Openings	08
Doors And Frames	08 10
Metal Frames	08 12

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0118 EA 6' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	460.66	98.33
For Auxiliary Frame Reinforcement For Hinges, Add	39.60	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	31.68	
For Type 304 Stainless Steel Frame, Add	485.03	
For Type 316 Stainless Steel Frame, Add	564.23	
For Baked Enamel Finish, Add	108.70	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.40	
For 14 Gauge Frame, Add	66.00	
For 12 Gauge Frame, Add	100.32	
08 12 13 13-0119 EA 7' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	481.48	100.23
For Auxiliary Frame Reinforcement For Hinges, Add	42.15	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	33.72	
For Type 304 Stainless Steel Frame, Add	515.88	
For Type 316 Stainless Steel Frame, Add	600.19	
For Baked Enamel Finish, Add	114.38	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-28.10	
For 14 Gauge Frame, Add	70.26	
For 12 Gauge Frame, Add	106.79	
08 12 13 13-0120 EA 8' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	502.29	102.12
For Auxiliary Frame Reinforcement For Hinges, Add	44.71	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	35.77	
For Type 304 Stainless Steel Frame, Add	546.72	
For Type 316 Stainless Steel Frame, Add	636.14	
For Baked Enamel Finish, Add	120.05	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-29.81	
For 14 Gauge Frame, Add	74.52	
For 12 Gauge Frame, Add	113.26	
08 12 13 13-0121 Metal Frames 8-7/8" Through 13" Depth x 16 Gauge, Knock-Down <small>(08 12 13 13)</small>		
08 12 13 13-0122 6'-8" Through 7'-2" High <small>(08 12 13 13-0121)</small>		
08 12 13 13-0123 EA 2' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	281.90	56.73
For Auxiliary Frame Reinforcement For Hinges, Add	25.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	20.21	
For Type 304 Stainless Steel Frame, Add	308.87	
For Type 316 Stainless Steel Frame, Add	359.40	
For Baked Enamel Finish, Add	67.55	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-16.84	
For 14 Gauge Frame, Add	42.11	
For 12 Gauge Frame, Add	64.01	
08 12 13 13-0124 EA 2'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	325.33	62.40
For Auxiliary Frame Reinforcement For Hinges, Add	30.08	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.06	
For Type 304 Stainless Steel Frame, Add	367.18	
For Type 316 Stainless Steel Frame, Add	427.33	
For Baked Enamel Finish, Add	78.88	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.05	
For 14 Gauge Frame, Add	50.13	
For 12 Gauge Frame, Add	76.20	
08 12 13 13-0125 EA 2'-6" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	336.10	66.19
For Auxiliary Frame Reinforcement For Hinges, Add	30.56	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.45	
For Type 304 Stainless Steel Frame, Add	373.33	
For Type 316 Stainless Steel Frame, Add	434.45	
For Baked Enamel Finish, Add	80.97	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.37	
For 14 Gauge Frame, Add	50.93	
For 12 Gauge Frame, Add	77.42	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0126	EA		2'-8" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	347.45	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.56	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	373.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	435.02	
			<i>For Baked Enamel Finish, Add</i>	82.68	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.37	
			<i>For 14 Gauge Frame, Add</i>	50.93	
			<i>For 12 Gauge Frame, Add</i>	77.42	
08 12 13 13-0127	EA		2'-10" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame 16 Gauge.....	354.44	73.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.04	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	379.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	441.95	
			<i>For Baked Enamel Finish, Add</i>	84.21	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.69	
			<i>For 14 Gauge Frame, Add</i>	51.74	
			<i>For 12 Gauge Frame, Add</i>	78.64	
08 12 13 13-0128	EA		3' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	361.43	75.64
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.52	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	25.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	385.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	448.88	
			<i>For Baked Enamel Finish, Add</i>	85.74	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-21.02	
			<i>For 14 Gauge Frame, Add</i>	52.54	
			<i>For 12 Gauge Frame, Add</i>	79.86	
08 12 13 13-0129	EA		3'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	383.44	79.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.69	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	412.20	
			<i>For Type 316 Stainless Steel Frame, Add</i>	479.58	
			<i>For Baked Enamel Finish, Add</i>	91.20	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.46	
			<i>For 14 Gauge Frame, Add</i>	56.15	
			<i>For 12 Gauge Frame, Add</i>	85.34	
08 12 13 13-0130	EA		3'-6" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	391.00	83.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.69	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	412.58	
			<i>For Type 316 Stainless Steel Frame, Add</i>	479.96	
			<i>For Baked Enamel Finish, Add</i>	92.34	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.46	
			<i>For 14 Gauge Frame, Add</i>	56.15	
			<i>For 12 Gauge Frame, Add</i>	85.34	
08 12 13 13-0131	EA		4' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	406.58	86.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.89	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.91	
			<i>For Type 304 Stainless Steel Frame, Add</i>	427.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	497.18	
			<i>For Baked Enamel Finish, Add</i>	95.88	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.26	
			<i>For 14 Gauge Frame, Add</i>	58.15	
			<i>For 12 Gauge Frame, Add</i>	88.39	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0132 EA 5' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	422.17	90.77
For Auxiliary Frame Reinforcement For Hinges, Add	36.09	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.88	
For Type 304 Stainless Steel Frame, Add	442.21	
For Type 316 Stainless Steel Frame, Add	514.40	
For Baked Enamel Finish, Add	99.42	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.06	
For 14 Gauge Frame, Add	60.16	
For 12 Gauge Frame, Add	91.44	
08 12 13 13-0133 EA 5'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	429.73	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	36.09	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.88	
For Type 304 Stainless Steel Frame, Add	442.59	
For Type 316 Stainless Steel Frame, Add	514.78	
For Baked Enamel Finish, Add	100.55	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.06	
For 14 Gauge Frame, Add	60.16	
For 12 Gauge Frame, Add	91.44	
08 12 13 13-0134 EA 5'-8" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	437.53	96.44
For Auxiliary Frame Reinforcement For Hinges, Add	36.70	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.36	
For Type 304 Stainless Steel Frame, Add	450.00	
For Type 316 Stainless Steel Frame, Add	523.39	
For Baked Enamel Finish, Add	102.33	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.46	
For 14 Gauge Frame, Add	61.16	
For 12 Gauge Frame, Add	92.96	
08 12 13 13-0135 EA 6' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	445.31	98.33
For Auxiliary Frame Reinforcement For Hinges, Add	37.30	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.84	
For Type 304 Stainless Steel Frame, Add	457.40	
For Type 316 Stainless Steel Frame, Add	532.00	
For Baked Enamel Finish, Add	104.09	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.87	
For 14 Gauge Frame, Add	62.16	
For 12 Gauge Frame, Add	94.49	
08 12 13 13-0136 EA 7' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	465.14	100.23
For Auxiliary Frame Reinforcement For Hinges, Add	39.70	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	31.76	
For Type 304 Stainless Steel Frame, Add	486.46	
For Type 316 Stainless Steel Frame, Add	565.87	
For Baked Enamel Finish, Add	109.47	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.47	
For 14 Gauge Frame, Add	66.17	
For 12 Gauge Frame, Add	100.58	
08 12 13 13-0137 EA 8' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	484.96	102.12
For Auxiliary Frame Reinforcement For Hinges, Add	42.11	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	33.69	
For Type 304 Stainless Steel Frame, Add	515.53	
For Type 316 Stainless Steel Frame, Add	599.74	
For Baked Enamel Finish, Add	114.85	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-28.07	
For 14 Gauge Frame, Add	70.18	
For 12 Gauge Frame, Add	106.68	

08 12 13 13-0138 >7'-2" Through 9'-0" High (08 12 13 13-0121)

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0139	EA		2' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	300.61	56.73
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.07	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	22.46	
			<i>For Type 304 Stainless Steel Frame, Add</i>	342.54	
			<i>For Type 316 Stainless Steel Frame, Add</i>	398.69	
			<i>For Baked Enamel Finish, Add</i>	73.16	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.72	
			<i>For 14 Gauge Frame, Add</i>	46.79	
			<i>For 12 Gauge Frame, Add</i>	71.12	
08 12 13 13-0140	EA		2'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	347.61	62.40
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.42	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	407.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	474.12	
			<i>For Baked Enamel Finish, Add</i>	85.56	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.28	
			<i>For 14 Gauge Frame, Add</i>	55.70	
			<i>For 12 Gauge Frame, Add</i>	84.66	
08 12 13 13-0141	EA		2'-6" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	358.74	66.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.96	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	414.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	482.00	
			<i>For Baked Enamel Finish, Add</i>	87.77	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.64	
			<i>For 14 Gauge Frame, Add</i>	56.59	
			<i>For 12 Gauge Frame, Add</i>	86.02	
08 12 13 13-0142	EA		2'-8" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	370.09	71.86
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.96	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	414.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	482.56	
			<i>For Baked Enamel Finish, Add</i>	89.47	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.64	
			<i>For 14 Gauge Frame, Add</i>	56.59	
			<i>For 12 Gauge Frame, Add</i>	86.02	
08 12 13 13-0143	EA		2'-10" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	377.43	73.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.49	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	421.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	490.23	
			<i>For Baked Enamel Finish, Add</i>	91.10	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.99	
			<i>For 14 Gauge Frame, Add</i>	57.48	
			<i>For 12 Gauge Frame, Add</i>	87.37	
08 12 13 13-0144	EA		3' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	384.78	75.64
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.03	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	427.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	497.91	
			<i>For Baked Enamel Finish, Add</i>	92.74	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.35	
			<i>For 14 Gauge Frame, Add</i>	58.38	
			<i>For 12 Gauge Frame, Add</i>	88.73	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0145 EA 3'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	408.39	79.42
For Auxiliary Frame Reinforcement For Hinges, Add	37.43	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.94	
For Type 304 Stainless Steel Frame, Add	457.11	
For Type 316 Stainless Steel Frame, Add	531.98	
For Baked Enamel Finish, Add	98.69	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.95	
For 14 Gauge Frame, Add	62.39	
For 12 Gauge Frame, Add	94.83	
08 12 13 13-0146 EA 3'-6" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	415.95	83.21
For Auxiliary Frame Reinforcement For Hinges, Add	37.43	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.94	
For Type 304 Stainless Steel Frame, Add	457.49	
For Type 316 Stainless Steel Frame, Add	532.35	
For Baked Enamel Finish, Add	99.82	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.95	
For 14 Gauge Frame, Add	62.39	
For 12 Gauge Frame, Add	94.83	
08 12 13 13-0147 EA 4' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	432.42	86.99
For Auxiliary Frame Reinforcement For Hinges, Add	38.77	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	31.01	
For Type 304 Stainless Steel Frame, Add	473.91	
For Type 316 Stainless Steel Frame, Add	551.44	
For Baked Enamel Finish, Add	103.63	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-25.85	
For 14 Gauge Frame, Add	64.61	
For 12 Gauge Frame, Add	98.21	
08 12 13 13-0148 EA 5' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	448.90	90.77
For Auxiliary Frame Reinforcement For Hinges, Add	40.10	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	32.08	
For Type 304 Stainless Steel Frame, Add	490.33	
For Type 316 Stainless Steel Frame, Add	570.53	
For Baked Enamel Finish, Add	107.44	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.74	
For 14 Gauge Frame, Add	66.84	
For 12 Gauge Frame, Add	101.60	
08 12 13 13-0149 EA 5'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	456.46	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	40.10	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	32.08	
For Type 304 Stainless Steel Frame, Add	490.70	
For Type 316 Stainless Steel Frame, Add	570.91	
For Baked Enamel Finish, Add	108.57	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.74	
For 14 Gauge Frame, Add	66.84	
For 12 Gauge Frame, Add	101.60	
08 12 13 13-0150 EA 5'-8" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	464.71	96.44
For Auxiliary Frame Reinforcement For Hinges, Add	40.77	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	32.62	
For Type 304 Stainless Steel Frame, Add	498.92	
For Type 316 Stainless Steel Frame, Add	580.47	
For Baked Enamel Finish, Add	110.48	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-27.18	
For 14 Gauge Frame, Add	67.96	
For 12 Gauge Frame, Add	103.29	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0151	EA		6' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	472.94	98.33
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.44	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	33.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	507.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	590.02	
			<i>For Baked Enamel Finish, Add</i>	112.38	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-27.63	
			<i>For 14 Gauge Frame, Add</i>	69.07	
			<i>For 12 Gauge Frame, Add</i>	104.99	
08 12 13 13-0152	EA		7' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	494.55	100.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.12	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	35.29	
			<i>For Type 304 Stainless Steel Frame, Add</i>	539.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	627.63	
			<i>For Baked Enamel Finish, Add</i>	118.30	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-29.41	
			<i>For 14 Gauge Frame, Add</i>	73.53	
			<i>For 12 Gauge Frame, Add</i>	111.76	
08 12 13 13-0153	EA		8' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	516.15	102.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.79	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	37.43	
			<i>For Type 304 Stainless Steel Frame, Add</i>	571.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	665.24	
			<i>For Baked Enamel Finish, Add</i>	124.21	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-31.19	
			<i>For 14 Gauge Frame, Add</i>	77.98	
			<i>For 12 Gauge Frame, Add</i>	118.53	
08 12 13 13-0154			Sidelights And Transoms (08 12 13 13)		
08 12 13 13-0155			Steel Transoms, Fixed (08 12 13 13-0154)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0156	SF		4-3/4" Deep Steel Transom, 16 Gauge Frame.....	36.33	10.59
			<i>For Movable Frame, Add</i>	7.27	
			<i>For 18 Gauge Frame, Deduct</i>	-1.52	
			<i>For 14 Gauge Frame, Add</i>	3.79	
			<i>For 12 Gauge Frame, Add</i>	5.76	
08 12 13 13-0157	SF		5-3/4" Deep Steel Transom, 16 Gauge Frame.....	37.82	10.97
			<i>For Movable Frame, Add</i>	7.56	
			<i>For 18 Gauge Frame, Deduct</i>	-1.59	
			<i>For 14 Gauge Frame, Add</i>	3.97	
			<i>For 12 Gauge Frame, Add</i>	6.04	
08 12 13 13-0158	SF		6-3/4" Deep Steel Transom, 16 Gauge Frame.....	39.38	11.35
			<i>For Movable Frame, Add</i>	7.88	
			<i>For 18 Gauge Frame, Deduct</i>	-1.67	
			<i>For 14 Gauge Frame, Add</i>	4.17	
			<i>For 12 Gauge Frame, Add</i>	6.34	
08 12 13 13-0159			Steel Transom Sash, Operable (08 12 13 13-0154)		
			Note: Includes hardware.		
08 12 13 13-0160	SF		4-3/4" Deep Steel Transom Sash, 16 Gauge Frame.....	46.56	10.59
			<i>For 18 Gauge Frame, Deduct</i>	-2.54	
			<i>For 14 Gauge Frame, Add</i>	6.35	
			<i>For 12 Gauge Frame, Add</i>	9.64	
08 12 13 13-0161	SF		5-3/4" Deep Steel Transom Sash, 16 Gauge Frame.....	48.58	10.97
			<i>For 18 Gauge Frame, Deduct</i>	-2.67	
			<i>For 14 Gauge Frame, Add</i>	6.66	
			<i>For 12 Gauge Frame, Add</i>	10.13	
08 12 13 13-0162	SF		6-3/4" Deep Steel Transom Sash, 16 Gauge Frame.....	50.67	11.35
			<i>For 18 Gauge Frame, Deduct</i>	-2.80	
			<i>For 14 Gauge Frame, Add</i>	7.00	
			<i>For 12 Gauge Frame, Add</i>	10.63	
08 12 13 13-0163			Sidelights, Steel Frame (08 12 13 13-0154)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0164	SF		4-3/4" Deep Sidelights, 16 Gauge Frame	37.46	10.59
			<i>For 18 Gauge Frame, Deduct</i>	-1.63	
			<i>For 14 Gauge Frame, Add</i>	4.07	
			<i>For 12 Gauge Frame, Add</i>	6.19	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0165	SF	5-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	39.02 -1.71 4.27 6.49	10.97
08 12 13	13-0166	SF	6-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	40.63 -1.79 4.49 6.82	11.35
08 12 13 13-0167 Sundry Hollow Metal Frame Sections <small>(08 12 13 13)</small>					
08 12 13 13-0168 Verticals, Mullions <small>(08 12 13 13-0167)</small>					
08 12 13	13-0169	LF	4-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	21.48 -1.08 2.71 4.11 8.00 5.00 4.00	4.24
08 12 13	13-0170	LF	4-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	21.91 -1.13 2.81 4.28 8.00 5.00 4.00	4.24
08 12 13	13-0171	LF	5-1/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	21.79 -1.08 2.71 4.11 8.00 5.00 4.00	4.39
08 12 13	13-0172	LF	5-1/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	22.46 -1.15 2.87 4.37 8.00 5.00 4.00	4.39
08 12 13	13-0173	LF	6-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	22.57 -1.14 2.84 4.32 8.00 5.00 4.00	4.46
08 12 13	13-0174	LF	6-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	22.83 -1.16 2.91 4.42 8.00 5.00 4.00	4.46
08 12 13 13-0175 Horizontals, Rails <small>(08 12 13 13-0167)</small>					
08 12 13	13-0176	LF	4-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.07 -0.54 1.35 2.06 8.00 5.00 4.00	4.24
08 12 13	13-0177	LF	4-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.62 -0.60 1.49 2.26 8.00 5.00 4.00	4.24
08 12 13	13-0178	LF	5-1/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.38 -0.54 1.35 2.06 8.00 5.00 4.00	4.39
08 12 13	13-0179	LF	5-1/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.93 -0.60 1.49 2.26 8.00 5.00 4.00	4.39

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0180 LF 6-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	16.89	4.46
For 18 Gauge Frame, Deduct	-0.57	
For 14 Gauge Frame, Add	1.42	
For 12 Gauge Frame, Add	2.16	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0181 LF 6-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	17.37	4.46
For 18 Gauge Frame, Deduct	-0.62	
For 14 Gauge Frame, Add	1.54	
For 12 Gauge Frame, Add	2.34	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182 Metal Frames Accessories (08 12 13 13)		
08 12 13 13-0183 EA For 1 Foot Extension Of New Door Frame.....	19.41	
08 12 16 Aluminum Frames (08 12)		
08 12 16 00-0001 Aluminum 1/8" Two Pieces (08 12 16)		
08 12 16 00-0002 4-1/8" x 3/8" (08 12 16 00-0001)		
08 12 16 00-0003 EA 2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	889.16	41.60
08 12 16 00-0004 EA 2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	889.16	41.60
08 12 16 00-0005 4-3/4" x 1-3/8" (08 12 16 00-0001)		
08 12 16 00-0006 EA 2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	889.16	41.60
08 12 16 00-0007 EA 2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	889.16	41.60
08 13 Metal Doors (08 10)		
Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
08 13 13 Hollow Metal Doors (08 13)		
08 13 13 13 Standard Hollow Metal Doors (08 13 13)		
Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.		
08 13 13 13-0001 20 Gauge 1-3/4" Unrated Door (08 13 13 13)		
08 13 13 13-0002 6'-8" High (08 13 13 13-0001)		
08 13 13 13-0003 EA 2' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	332.58	41.60
For Composite Door Instead Of Full Panel Door, Add	11.22	
For Type 304 Stainless Steel Door, Add	203.66	
For Type 316 Stainless Steel Door, Add	328.34	
For Embossed Panel, Add	59.85	
For Galvanized Steel, Add	37.41	
For Baked Enamel Finish, Add	124.74	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-18.71	
For >100, Deduct	-27.02	
For Insulated Door (Polystyrene Core), Add	24.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	62.34	
For Seamless Edge (Welded), Add	31.17	
08 13 13 13-0004 EA 2'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	332.58	41.60
For Composite Door Instead Of Full Panel Door, Add	11.22	
For Type 304 Stainless Steel Door, Add	203.66	
For Type 316 Stainless Steel Door, Add	328.34	
For Embossed Panel, Add	59.85	
For Galvanized Steel, Add	37.41	
For Baked Enamel Finish, Add	124.74	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-18.71	
For >100, Deduct	-27.02	
For Insulated Door (Polystyrene Core), Add	24.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	62.34	
For Seamless Edge (Welded), Add	31.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0005	EA		2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	341.46	43.50
				For Composite Door Instead Of Full Panel Door, Add	11.45	
				For Type 304 Stainless Steel Door, Add	207.93	
				For Type 316 Stainless Steel Door, Add	335.16	
				For Embossed Panel, Add	61.07	
				For Galvanized Steel, Add	38.17	
				For Baked Enamel Finish, Add	128.54	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-19.25	
				For >100, Deduct	-27.78	
				For Insulated Door (Polystyrene Core), Add	25.45	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	63.62	
				For Seamless Edge (Welded), Add	31.81	
08 13 13	13-0006	EA		2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	345.25	43.50
				For Composite Door Instead Of Full Panel Door, Add	11.62	
				For Type 304 Stainless Steel Door, Add	210.96	
				For Type 316 Stainless Steel Door, Add	340.09	
				For Embossed Panel, Add	61.98	
				For Galvanized Steel, Add	38.74	
				For Baked Enamel Finish, Add	129.67	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-19.44	
				For >100, Deduct	-28.07	
				For Insulated Door (Polystyrene Core), Add	25.83	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	64.57	
				For Seamless Edge (Welded), Add	32.28	
08 13 13	13-0007	EA		3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	352.07	45.39
				For Composite Door Instead Of Full Panel Door, Add	11.76	
				For Type 304 Stainless Steel Door, Add	213.58	
				For Type 316 Stainless Steel Door, Add	344.23	
				For Embossed Panel, Add	62.71	
				For Galvanized Steel, Add	39.20	
				For Baked Enamel Finish, Add	132.85	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-19.87	
				For >100, Deduct	-28.67	
				For Insulated Door (Polystyrene Core), Add	26.13	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	65.33	
				For Seamless Edge (Welded), Add	32.66	
08 13 13	13-0008	EA		3'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	371.82	45.39
				For Composite Door Instead Of Full Panel Door, Add	12.65	
				For Type 304 Stainless Steel Door, Add	229.38	
				For Type 316 Stainless Steel Door, Add	369.90	
				For Embossed Panel, Add	67.45	
				For Galvanized Steel, Add	42.16	
				For Baked Enamel Finish, Add	138.78	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-20.86	
				For >100, Deduct	-30.16	
				For Insulated Door (Polystyrene Core), Add	28.11	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.26	
				For Seamless Edge (Welded), Add	35.13	
08 13 13	13-0009	EA		3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	383.21	47.27
				For Composite Door Instead Of Full Panel Door, Add	12.99	
				For Type 304 Stainless Steel Door, Add	235.65	
				For Type 316 Stainless Steel Door, Add	379.97	
				For Embossed Panel, Add	69.28	
				For Galvanized Steel, Add	43.30	
				For Baked Enamel Finish, Add	143.33	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-21.52	
				For >100, Deduct	-31.10	
				For Insulated Door (Polystyrene Core), Add	28.87	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	72.16	
				For Seamless Edge (Welded), Add	36.08	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0010	EA	4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	421.15	51.06
			For Composite Door Instead Of Full Panel Door, Add	14.36	
			For Type 304 Stainless Steel Door, Add	260.33	
			For Type 316 Stainless Steel Door, Add	419.85	
			For Embossed Panel, Add	76.57	
			For Galvanized Steel, Add	47.85	
			For Baked Enamel Finish, Add	156.98	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-23.61	
			For >100, Deduct	-34.14	
			For Insulated Door (Polystyrene Core), Add	31.90	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	79.76	
			For Seamless Edge (Welded), Add	39.88	
08 13 13	13-0011	PR	Pair 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	674.20	82.64
			For Composite Door Instead Of Full Panel Door, Add	22.90	
			For Type 304 Stainless Steel Door, Add	415.41	
			For Type 316 Stainless Steel Door, Add	669.87	
			For Embossed Panel, Add	122.14	
			For Galvanized Steel, Add	76.34	
			For Baked Enamel Finish, Add	251.84	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.84	
			For >100, Deduct	-54.70	
			For Insulated Door (Polystyrene Core), Add	50.89	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	127.23	
			For Seamless Edge (Welded), Add	63.62	
08 13 13	13-0012	PR	Pair 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	681.80	82.64
			For Composite Door Instead Of Full Panel Door, Add	23.24	
			For Type 304 Stainless Steel Door, Add	421.49	
			For Type 316 Stainless Steel Door, Add	679.75	
			For Embossed Panel, Add	123.97	
			For Galvanized Steel, Add	77.48	
			For Baked Enamel Finish, Add	254.12	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.22	
			For >100, Deduct	-55.27	
			For Insulated Door (Polystyrene Core), Add	51.65	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	129.13	
			For Seamless Edge (Welded), Add	64.57	
08 13 13	13-0013	PR	Pair 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	695.06	86.23
			For Composite Door Instead Of Full Panel Door, Add	23.52	
			For Type 304 Stainless Steel Door, Add	426.70	
			For Type 316 Stainless Steel Door, Add	688.00	
			For Embossed Panel, Add	125.42	
			For Galvanized Steel, Add	78.39	
			For Baked Enamel Finish, Add	260.26	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-39.06	
			For >100, Deduct	-56.44	
			For Insulated Door (Polystyrene Core), Add	52.26	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.65	
			For Seamless Edge (Welded), Add	65.33	
08 13 13	13-0014	PR	Pair 3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	756.94	89.82
			For Composite Door Instead Of Full Panel Door, Add	25.98	
			For Type 304 Stainless Steel Door, Add	470.82	
			For Type 316 Stainless Steel Door, Add	759.47	
			For Embossed Panel, Add	138.55	
			For Galvanized Steel, Add	86.60	
			For Baked Enamel Finish, Add	280.97	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-42.34	
			For >100, Deduct	-61.26	
			For Insulated Door (Polystyrene Core), Add	57.73	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.33	
			For Seamless Edge (Welded), Add	72.16	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0015 PR Pair 4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	832.08	97.01
For Composite Door Instead Of Full Panel Door, Add	28.71	
For Type 304 Stainless Steel Door, Add	520.15	
For Type 316 Stainless Steel Door, Add	839.18	
For Embossed Panel, Add	153.13	
For Galvanized Steel, Add	95.71	
For Baked Enamel Finish, Add	307.83	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-46.45	
For >100, Deduct	-67.26	
For Insulated Door (Polystyrene Core), Add	63.81	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.52	
For Seamless Edge (Welded), Add	79.76	
08 13 13 13-0016 7' High <small>(08 13 13 13-0001)</small>		
08 13 13 13-0017 EA 2' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	339.11	41.60
For Composite Door Instead Of Full Panel Door, Add	11.52	
For Type 304 Stainless Steel Door, Add	208.88	
For Type 316 Stainless Steel Door, Add	336.83	
For Embossed Panel, Add	61.42	
For Galvanized Steel, Add	38.39	
For Baked Enamel Finish, Add	126.70	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-19.04	
For >100, Deduct	-27.51	
For Insulated Door (Polystyrene Core), Add	25.59	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	63.98	
For Seamless Edge (Welded), Add	31.99	
08 13 13 13-0018 EA 2'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	339.11	41.60
For Composite Door Instead Of Full Panel Door, Add	11.52	
For Type 304 Stainless Steel Door, Add	208.88	
For Type 316 Stainless Steel Door, Add	336.83	
For Embossed Panel, Add	61.42	
For Galvanized Steel, Add	38.39	
For Baked Enamel Finish, Add	126.70	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-19.04	
For >100, Deduct	-27.51	
For Insulated Door (Polystyrene Core), Add	25.59	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	63.98	
For Seamless Edge (Welded), Add	31.99	
08 13 13 13-0019 EA 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	348.12	43.50
For Composite Door Instead Of Full Panel Door, Add	11.75	
For Type 304 Stainless Steel Door, Add	213.25	
For Type 316 Stainless Steel Door, Add	343.82	
For Embossed Panel, Add	62.67	
For Galvanized Steel, Add	39.17	
For Baked Enamel Finish, Add	130.53	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-19.58	
For >100, Deduct	-28.28	
For Insulated Door (Polystyrene Core), Add	26.11	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	65.28	
For Seamless Edge (Welded), Add	32.64	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0020	EA	2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	352.02	43.50
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	11.93	
		<i>For Type 304 Stainless Steel Door, Add</i>	216.37	
		<i>For Type 316 Stainless Steel Door, Add</i>	348.89	
		<i>For Embossed Panel, Add</i>	63.61	
		<i>For Galvanized Steel, Add</i>	39.75	
		<i>For Baked Enamel Finish, Add</i>	131.70	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-19.78	
		<i>For >100, Deduct</i>	-28.58	
		<i>For Insulated Door (Polystyrene Core), Add</i>	26.50	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	66.26	
		<i>For Seamless Edge (Welded), Add</i>	33.13	
08 13 13 13-0021	EA	3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	358.92	45.39
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.07	
		<i>For Type 304 Stainless Steel Door, Add</i>	219.06	
		<i>For Type 316 Stainless Steel Door, Add</i>	353.13	
		<i>For Embossed Panel, Add</i>	64.36	
		<i>For Galvanized Steel, Add</i>	40.22	
		<i>For Baked Enamel Finish, Add</i>	134.91	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-20.22	
		<i>For >100, Deduct</i>	-29.19	
		<i>For Insulated Door (Polystyrene Core), Add</i>	26.82	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	67.04	
		<i>For Seamless Edge (Welded), Add</i>	33.52	
08 13 13 13-0022	EA	3'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	379.19	45.39
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.98	
		<i>For Type 304 Stainless Steel Door, Add</i>	235.27	
		<i>For Type 316 Stainless Steel Door, Add</i>	379.48	
		<i>For Embossed Panel, Add</i>	69.22	
		<i>For Galvanized Steel, Add</i>	43.26	
		<i>For Baked Enamel Finish, Add</i>	140.99	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-21.23	
		<i>For >100, Deduct</i>	-30.71	
		<i>For Insulated Door (Polystyrene Core), Add</i>	28.84	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.11	
		<i>For Seamless Edge (Welded), Add</i>	36.05	
08 13 13 13-0023	EA	3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	390.77	47.27
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.33	
		<i>For Type 304 Stainless Steel Door, Add</i>	241.70	
		<i>For Type 316 Stainless Steel Door, Add</i>	389.80	
		<i>For Embossed Panel, Add</i>	71.09	
		<i>For Galvanized Steel, Add</i>	44.43	
		<i>For Baked Enamel Finish, Add</i>	145.60	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-21.90	
		<i>For >100, Deduct</i>	-31.67	
		<i>For Insulated Door (Polystyrene Core), Add</i>	29.62	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	74.05	
		<i>For Seamless Edge (Welded), Add</i>	37.03	
08 13 13 13-0024	EA	4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	429.51	51.06
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	14.73	
		<i>For Type 304 Stainless Steel Door, Add</i>	267.02	
		<i>For Type 316 Stainless Steel Door, Add</i>	430.71	
		<i>For Embossed Panel, Add</i>	78.57	
		<i>For Galvanized Steel, Add</i>	49.11	
		<i>For Baked Enamel Finish, Add</i>	159.49	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-24.03	
		<i>For >100, Deduct</i>	-34.77	
		<i>For Insulated Door (Polystyrene Core), Add</i>	32.74	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	81.85	
		<i>For Seamless Edge (Welded), Add</i>	40.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0025 PR Pair 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	687.54	82.64
For Composite Door Instead Of Full Panel Door, Add	23.50	
For Type 304 Stainless Steel Door, Add	426.08	
For Type 316 Stainless Steel Door, Add	687.21	
For Embossed Panel, Add	125.34	
For Galvanized Steel, Add	78.34	
For Baked Enamel Finish, Add	255.84	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.51	
For >100, Deduct	-55.70	
For Insulated Door (Polystyrene Core), Add	52.23	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.57	
For Seamless Edge (Welded), Add	65.28	
08 13 13 13-0026 PR Pair 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	695.33	82.64
For Composite Door Instead Of Full Panel Door, Add	23.85	
For Type 304 Stainless Steel Door, Add	432.31	
For Type 316 Stainless Steel Door, Add	697.34	
For Embossed Panel, Add	127.21	
For Galvanized Steel, Add	79.51	
For Baked Enamel Finish, Add	258.18	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.90	
For >100, Deduct	-56.28	
For Insulated Door (Polystyrene Core), Add	53.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	132.52	
For Seamless Edge (Welded), Add	66.26	
08 13 13 13-0027 PR Pair 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	708.76	86.23
For Composite Door Instead Of Full Panel Door, Add	24.13	
For Type 304 Stainless Steel Door, Add	437.66	
For Type 316 Stainless Steel Door, Add	705.81	
For Embossed Panel, Add	128.71	
For Galvanized Steel, Add	80.45	
For Baked Enamel Finish, Add	264.37	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-39.75	
For >100, Deduct	-57.47	
For Insulated Door (Polystyrene Core), Add	53.63	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	134.08	
For Seamless Edge (Welded), Add	67.04	
08 13 13 13-0028 PR Pair 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	772.06	89.82
For Composite Door Instead Of Full Panel Door, Add	26.66	
For Type 304 Stainless Steel Door, Add	482.92	
For Type 316 Stainless Steel Door, Add	779.13	
For Embossed Panel, Add	142.18	
For Galvanized Steel, Add	88.86	
For Baked Enamel Finish, Add	285.51	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-43.09	
For >100, Deduct	-62.40	
For Insulated Door (Polystyrene Core), Add	59.24	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.11	
For Seamless Edge (Welded), Add	74.05	
08 13 13 13-0029 PR Pair 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	848.80	97.01
For Composite Door Instead Of Full Panel Door, Add	29.47	
For Type 304 Stainless Steel Door, Add	533.53	
For Type 316 Stainless Steel Door, Add	860.92	
For Embossed Panel, Add	157.15	
For Galvanized Steel, Add	98.22	
For Baked Enamel Finish, Add	312.85	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-47.29	
For >100, Deduct	-68.51	
For Insulated Door (Polystyrene Core), Add	65.48	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	163.70	
For Seamless Edge (Welded), Add	81.85	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0030		7'-2" High (08 13 13 13-0001)		
08 13 13	13-0031	EA	2' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	345.46	41.60
			For Composite Door Instead Of Full Panel Door, Add	11.80	
			For Type 304 Stainless Steel Door, Add	213.96	
			For Type 316 Stainless Steel Door, Add	345.09	
			For Embossed Panel, Add	62.94	
			For Galvanized Steel, Add	39.34	
			For Baked Enamel Finish, Add	128.60	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-19.35	
			For >100, Deduct	-27.99	
			For Insulated Door (Polystyrene Core), Add	26.23	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	65.56	
			For Seamless Edge (Welded), Add	32.78	
08 13 13	13-0032	EA	2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	345.46	41.60
			For Composite Door Instead Of Full Panel Door, Add	11.80	
			For Type 304 Stainless Steel Door, Add	213.96	
			For Type 316 Stainless Steel Door, Add	345.09	
			For Embossed Panel, Add	62.94	
			For Galvanized Steel, Add	39.34	
			For Baked Enamel Finish, Add	128.60	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-19.35	
			For >100, Deduct	-27.99	
			For Insulated Door (Polystyrene Core), Add	26.23	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	65.56	
			For Seamless Edge (Welded), Add	32.78	
08 13 13	13-0033	EA	2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	354.60	43.50
			For Composite Door Instead Of Full Panel Door, Add	12.04	
			For Type 304 Stainless Steel Door, Add	218.44	
			For Type 316 Stainless Steel Door, Add	352.24	
			For Embossed Panel, Add	64.23	
			For Galvanized Steel, Add	40.14	
			For Baked Enamel Finish, Add	132.48	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-19.90	
			For >100, Deduct	-28.77	
			For Insulated Door (Polystyrene Core), Add	26.76	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	66.90	
			For Seamless Edge (Welded), Add	33.45	
08 13 13	13-0034	EA	2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	358.59	43.50
			For Composite Door Instead Of Full Panel Door, Add	12.22	
			For Type 304 Stainless Steel Door, Add	221.63	
			For Type 316 Stainless Steel Door, Add	357.43	
			For Embossed Panel, Add	65.18	
			For Galvanized Steel, Add	40.74	
			For Baked Enamel Finish, Add	133.67	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-20.10	
			For >100, Deduct	-29.07	
			For Insulated Door (Polystyrene Core), Add	27.16	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	67.90	
			For Seamless Edge (Welded), Add	33.95	
08 13 13	13-0035	EA	3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	365.57	45.39
			For Composite Door Instead Of Full Panel Door, Add	12.37	
			For Type 304 Stainless Steel Door, Add	224.38	
			For Type 316 Stainless Steel Door, Add	361.78	
			For Embossed Panel, Add	65.95	
			For Galvanized Steel, Add	41.22	
			For Baked Enamel Finish, Add	136.90	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-20.55	
			For >100, Deduct	-29.69	
			For Insulated Door (Polystyrene Core), Add	27.48	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	68.70	
			For Seamless Edge (Welded), Add	34.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0036	EA		3'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	386.34	45.39
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.30	
				<i>For Type 304 Stainless Steel Door, Add</i>	240.99	
				<i>For Type 316 Stainless Steel Door, Add</i>	388.78	
				<i>For Embossed Panel, Add</i>	70.94	
				<i>For Galvanized Steel, Add</i>	44.34	
				<i>For Baked Enamel Finish, Add</i>	143.13	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-21.59	
				<i>For >100, Deduct</i>	-31.24	
				<i>For Insulated Door (Polystyrene Core), Add</i>	29.56	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	73.89	
				<i>For Seamless Edge (Welded), Add</i>	36.95	
08 13 13	13-0037	EA		3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	398.12	47.27
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.66	
				<i>For Type 304 Stainless Steel Door, Add</i>	247.58	
				<i>For Type 316 Stainless Steel Door, Add</i>	399.36	
				<i>For Embossed Panel, Add</i>	72.85	
				<i>For Galvanized Steel, Add</i>	45.53	
				<i>For Baked Enamel Finish, Add</i>	147.80	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-22.27	
				<i>For >100, Deduct</i>	-32.22	
				<i>For Insulated Door (Polystyrene Core), Add</i>	30.36	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	75.89	
				<i>For Seamless Edge (Welded), Add</i>	37.95	
08 13 13	13-0038	EA		4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	437.63	51.06
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.10	
				<i>For Type 304 Stainless Steel Door, Add</i>	273.51	
				<i>For Type 316 Stainless Steel Door, Add</i>	441.27	
				<i>For Embossed Panel, Add</i>	80.52	
				<i>For Galvanized Steel, Add</i>	50.33	
				<i>For Baked Enamel Finish, Add</i>	161.93	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-24.43	
				<i>For >100, Deduct</i>	-35.38	
				<i>For Insulated Door (Polystyrene Core), Add</i>	33.55	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	83.88	
				<i>For Seamless Edge (Welded), Add</i>	41.94	
08 13 13	13-0039	PR		Pair 2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	700.49	82.64
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.08	
				<i>For Type 304 Stainless Steel Door, Add</i>	436.44	
				<i>For Type 316 Stainless Steel Door, Add</i>	704.05	
				<i>For Embossed Panel, Add</i>	128.45	
				<i>For Galvanized Steel, Add</i>	80.28	
				<i>For Baked Enamel Finish, Add</i>	259.73	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-39.16	
				<i>For >100, Deduct</i>	-56.67	
				<i>For Insulated Door (Polystyrene Core), Add</i>	53.52	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	133.81	
				<i>For Seamless Edge (Welded), Add</i>	66.90	
08 13 13	13-0040	PR		Pair 2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	708.48	82.64
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.44	
				<i>For Type 304 Stainless Steel Door, Add</i>	442.83	
				<i>For Type 316 Stainless Steel Door, Add</i>	714.44	
				<i>For Embossed Panel, Add</i>	130.37	
				<i>For Galvanized Steel, Add</i>	81.48	
				<i>For Baked Enamel Finish, Add</i>	262.13	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-39.56	
				<i>For >100, Deduct</i>	-57.27	
				<i>For Insulated Door (Polystyrene Core), Add</i>	54.32	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	135.80	
				<i>For Seamless Edge (Welded), Add</i>	67.90	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0041	PR		Pair 3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	722.06	86.23
			For Composite Door Instead Of Full Panel Door, Add	24.73	
			For Type 304 Stainless Steel Door, Add	448.30	
			For Type 316 Stainless Steel Door, Add	723.10	
			For Embossed Panel, Add	131.90	
			For Galvanized Steel, Add	82.44	
			For Baked Enamel Finish, Add	268.36	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-40.41	
			For >100, Deduct	-58.47	
			For Insulated Door (Polystyrene Core), Add	54.96	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.40	
			For Seamless Edge (Welded), Add	68.70	
08 13 13 13-0042	PR		Pair 3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	786.75	89.82
			For Composite Door Instead Of Full Panel Door, Add	27.32	
			For Type 304 Stainless Steel Door, Add	494.67	
			For Type 316 Stainless Steel Door, Add	798.23	
			For Embossed Panel, Add	145.71	
			For Galvanized Steel, Add	91.07	
			For Baked Enamel Finish, Add	289.92	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-43.83	
			For >100, Deduct	-63.50	
			For Insulated Door (Polystyrene Core), Add	60.71	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	151.78	
			For Seamless Edge (Welded), Add	75.89	
08 13 13 13-0043	PR		Pair 4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	865.04	97.01
			For Composite Door Instead Of Full Panel Door, Add	30.20	
			For Type 304 Stainless Steel Door, Add	546.52	
			For Type 316 Stainless Steel Door, Add	882.03	
			For Embossed Panel, Add	161.04	
			For Galvanized Steel, Add	100.65	
			For Baked Enamel Finish, Add	317.72	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-48.10	
			For >100, Deduct	-69.73	
			For Insulated Door (Polystyrene Core), Add	67.10	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	167.76	
			For Seamless Edge (Welded), Add	83.88	
08 13 13 13-0044			18 Gauge 1-3/4" Unrated Door (08 13 13 13)		
08 13 13 13-0045			6'-8" High (08 13 13 13-0044)		
08 13 13 13-0046	EA		2' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	352.75	41.60
			For 18 Gauge, Grade II, Heavy Duty, Add	53.91	
			For Composite Door Instead Of Full Panel Door, Add	12.13	
			For Type 304 Stainless Steel Door, Add	219.79	
			For Type 316 Stainless Steel Door, Add	354.56	
			For Embossed Panel, Add	64.69	
			For Galvanized Steel, Add	40.43	
			For Baked Enamel Finish, Add	130.79	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-19.72	
			For >100, Deduct	-28.54	
			For 2" Thick Door, Add	21.62	
			For Insulated Door (Polystyrene Core), Add	26.95	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	67.39	
			For Seamless Edge (Welded), Add	33.69	
			For Steel Stiffened, Add	67.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0047 EA 2'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	352.75	41.60
For 18 Gauge, Grade II, Heavy Duty, Add	53.91	
For Composite Door Instead Of Full Panel Door, Add	12.13	
For Type 304 Stainless Steel Door, Add	219.79	
For Type 316 Stainless Steel Door, Add	354.56	
For Embossed Panel, Add	64.69	
For Galvanized Steel, Add	40.43	
For Baked Enamel Finish, Add	130.79	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-19.72	
For >100, Deduct	-28.54	
For 2" Thick Door, Add	21.62	
For Insulated Door (Polystyrene Core), Add	26.95	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	67.39	
For Seamless Edge (Welded), Add	33.69	
For Steel Stiffened, Add	67.39	
08 13 13 13-0048 EA 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	362.04	43.50
For 18 Gauge, Grade II, Heavy Duty, Add	55.01	
For Composite Door Instead Of Full Panel Door, Add	12.38	
For Type 304 Stainless Steel Door, Add	224.39	
For Type 316 Stainless Steel Door, Add	361.91	
For Embossed Panel, Add	66.01	
For Galvanized Steel, Add	41.26	
For Baked Enamel Finish, Add	134.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-20.28	
For >100, Deduct	-29.33	
For 2" Thick Door, Add	22.12	
For Insulated Door (Polystyrene Core), Add	27.51	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	68.76	
For Seamless Edge (Welded), Add	34.38	
For Steel Stiffened, Add	68.76	
08 13 13 13-0049 EA 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	366.15	43.50
For 18 Gauge, Grade II, Heavy Duty, Add	55.83	
For Composite Door Instead Of Full Panel Door, Add	12.56	
For Type 304 Stainless Steel Door, Add	227.68	
For Type 316 Stainless Steel Door, Add	367.26	
For Embossed Panel, Add	67.00	
For Galvanized Steel, Add	41.87	
For Baked Enamel Finish, Add	135.94	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-20.48	
For >100, Deduct	-29.64	
For 2" Thick Door, Add	22.41	
For Insulated Door (Polystyrene Core), Add	27.92	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	69.79	
For Seamless Edge (Welded), Add	34.90	
For Steel Stiffened, Add	69.79	
08 13 13 13-0050 EA 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	373.21	45.39
For 18 Gauge, Grade II, Heavy Duty, Add	56.49	
For Composite Door Instead Of Full Panel Door, Add	12.71	
For Type 304 Stainless Steel Door, Add	230.49	
For Type 316 Stainless Steel Door, Add	371.71	
For Embossed Panel, Add	67.79	
For Galvanized Steel, Add	42.37	
For Baked Enamel Finish, Add	139.19	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-20.93	
For >100, Deduct	-30.26	
For 2" Thick Door, Add	22.75	
For Insulated Door (Polystyrene Core), Add	28.24	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.61	
For Seamless Edge (Welded), Add	35.31	
For Steel Stiffened, Add	70.61	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0051	EA 3'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	394.56	45.39
	For 18 Gauge, Grade II, Heavy Duty, Add	60.76	
	For Composite Door Instead Of Full Panel Door, Add	13.67	
	For Type 304 Stainless Steel Door, Add	247.57	
	For Type 316 Stainless Steel Door, Add	399.47	
	For Embossed Panel, Add	72.91	
	For Galvanized Steel, Add	45.57	
	For Baked Enamel Finish, Add	145.60	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-22.00	
	For >100, Deduct	-31.86	
	For 2" Thick Door, Add	24.29	
	For Insulated Door (Polystyrene Core), Add	30.38	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	75.95	
	For Seamless Edge (Welded), Add	37.97	
	For Steel Stiffened, Add	75.95	
08 13 13 13-0052	EA 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	406.56	47.27
	For 18 Gauge, Grade II, Heavy Duty, Add	62.40	
	For Composite Door Instead Of Full Panel Door, Add	14.04	
	For Type 304 Stainless Steel Door, Add	254.33	
	For Type 316 Stainless Steel Door, Add	410.33	
	For Embossed Panel, Add	74.88	
	For Galvanized Steel, Add	46.80	
	For Baked Enamel Finish, Add	150.34	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-22.69	
	For >100, Deduct	-32.86	
	For 2" Thick Door, Add	24.98	
	For Insulated Door (Polystyrene Core), Add	31.20	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	78.00	
	For Seamless Edge (Welded), Add	39.00	
	For Steel Stiffened, Add	78.00	
08 13 13 13-0053	EA 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	446.96	51.06
	For 18 Gauge, Grade II, Heavy Duty, Add	68.97	
	For Composite Door Instead Of Full Panel Door, Add	15.52	
	For Type 304 Stainless Steel Door, Add	280.98	
	For Type 316 Stainless Steel Door, Add	453.40	
	For Embossed Panel, Add	82.76	
	For Galvanized Steel, Add	51.73	
	For Baked Enamel Finish, Add	164.72	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-24.90	
	For >100, Deduct	-36.08	
	For 2" Thick Door, Add	27.55	
	For Insulated Door (Polystyrene Core), Add	34.48	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.21	
	For Seamless Edge (Welded), Add	43.11	
	For Steel Stiffened, Add	86.21	
08 13 13 13-0054	PR Pair 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	715.37	82.64
	For 18 Gauge, Grade II, Heavy Duty, Add	110.02	
	For Composite Door Instead Of Full Panel Door, Add	24.75	
	For Type 304 Stainless Steel Door, Add	448.34	
	For Type 316 Stainless Steel Door, Add	723.39	
	For Embossed Panel, Add	132.02	
	For Galvanized Steel, Add	82.52	
	For Baked Enamel Finish, Add	264.19	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-39.90	
	For >100, Deduct	-57.78	
	For 2" Thick Door, Add	44.01	
	For Insulated Door (Polystyrene Core), Add	55.01	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.53	
	For Seamless Edge (Welded), Add	68.76	
	For Steel Stiffened, Add	137.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0055	PR			Pair 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	723.59	82.64
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	111.66	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.12	
				<i>For Type 304 Stainless Steel Door, Add</i>	454.92	
				<i>For Type 316 Stainless Steel Door, Add</i>	734.08	
				<i>For Embossed Panel, Add</i>	134.00	
				<i>For Galvanized Steel, Add</i>	83.75	
				<i>For Baked Enamel Finish, Add</i>	266.66	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-40.31	
				<i>For >100, Deduct</i>	-58.40	
				<i>For 2" Thick Door, Add</i>	44.61	
				<i>For Insulated Door (Polystyrene Core), Add</i>	55.83	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	139.58	
				<i>For Seamless Edge (Welded), Add</i>	69.79	
				<i>For Steel Stiffened, Add</i>	139.58	
08 13 13 13-0056	PR			Pair 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	737.34	86.23
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	112.98	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.42	
				<i>For Type 304 Stainless Steel Door, Add</i>	460.53	
				<i>For Type 316 Stainless Steel Door, Add</i>	742.97	
				<i>For Embossed Panel, Add</i>	135.57	
				<i>For Galvanized Steel, Add</i>	84.73	
				<i>For Baked Enamel Finish, Add</i>	272.94	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-41.18	
				<i>For >100, Deduct</i>	-59.61	
				<i>For 2" Thick Door, Add</i>	45.27	
				<i>For Insulated Door (Polystyrene Core), Add</i>	56.49	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	141.22	
				<i>For Seamless Edge (Welded), Add</i>	70.61	
				<i>For Steel Stiffened, Add</i>	141.22	
08 13 13 13-0057	PR			Pair 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	803.64	89.82
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	124.80	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	28.08	
				<i>For Type 304 Stainless Steel Door, Add</i>	508.18	
				<i>For Type 316 Stainless Steel Door, Add</i>	820.18	
				<i>For Embossed Panel, Add</i>	149.76	
				<i>For Galvanized Steel, Add</i>	93.60	
				<i>For Baked Enamel Finish, Add</i>	294.98	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-44.67	
				<i>For >100, Deduct</i>	-64.76	
				<i>For 2" Thick Door, Add</i>	49.73	
				<i>For Insulated Door (Polystyrene Core), Add</i>	62.40	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	156.00	
				<i>For Seamless Edge (Welded), Add</i>	78.00	
				<i>For Steel Stiffened, Add</i>	156.00	
08 13 13 13-0058	PR			Pair 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	883.70	97.01
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	137.94	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	31.04	
				<i>For Type 304 Stainless Steel Door, Add</i>	561.45	
				<i>For Type 316 Stainless Steel Door, Add</i>	906.29	
				<i>For Embossed Panel, Add</i>	165.52	
				<i>For Galvanized Steel, Add</i>	103.45	
				<i>For Baked Enamel Finish, Add</i>	323.32	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-49.04	
				<i>For >100, Deduct</i>	-71.13	
				<i>For 2" Thick Door, Add</i>	54.85	
				<i>For Insulated Door (Polystyrene Core), Add</i>	68.97	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	172.42	
				<i>For Seamless Edge (Welded), Add</i>	86.21	
				<i>For Steel Stiffened, Add</i>	172.42	
08 13 13 13-0059				7' High <small>(08 13 13 13-0044)</small>		

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0060	EA		2' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	359.15	41.60
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	55.19	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.42	
			<i>For Type 304 Stainless Steel Door, Add</i>	224.91	
			<i>For Type 316 Stainless Steel Door, Add</i>	362.88	
			<i>For Embossed Panel, Add</i>	66.23	
			<i>For Galvanized Steel, Add</i>	41.39	
			<i>For Baked Enamel Finish, Add</i>	132.71	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.04	
			<i>For >100, Deduct</i>	-29.02	
			<i>For 2" Thick Door, Add</i>	22.09	
			<i>For Insulated Door (Polystyrene Core), Add</i>	27.59	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	68.99	
			<i>For Seamless Edge (Welded), Add</i>	34.49	
			<i>For Steel Stiffened, Add</i>	68.99	
08 13 13-0061	EA		2'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	359.15	41.60
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	55.19	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.42	
			<i>For Type 304 Stainless Steel Door, Add</i>	224.91	
			<i>For Type 316 Stainless Steel Door, Add</i>	362.88	
			<i>For Embossed Panel, Add</i>	66.23	
			<i>For Galvanized Steel, Add</i>	41.39	
			<i>For Baked Enamel Finish, Add</i>	132.71	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.04	
			<i>For >100, Deduct</i>	-29.02	
			<i>For 2" Thick Door, Add</i>	22.09	
			<i>For Insulated Door (Polystyrene Core), Add</i>	27.59	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	68.99	
			<i>For Seamless Edge (Welded), Add</i>	34.49	
			<i>For Steel Stiffened, Add</i>	68.99	
08 13 13-0062	EA		2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	368.57	43.50
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	56.32	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.67	
			<i>For Type 304 Stainless Steel Door, Add</i>	229.61	
			<i>For Type 316 Stainless Steel Door, Add</i>	370.40	
			<i>For Embossed Panel, Add</i>	67.58	
			<i>For Galvanized Steel, Add</i>	42.24	
			<i>For Baked Enamel Finish, Add</i>	136.67	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.60	
			<i>For >100, Deduct</i>	-29.82	
			<i>For 2" Thick Door, Add</i>	22.59	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.16	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	70.40	
			<i>For Seamless Edge (Welded), Add</i>	35.20	
			<i>For Steel Stiffened, Add</i>	70.40	
08 13 13-0063	EA		2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	372.77	43.50
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	57.16	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.86	
			<i>For Type 304 Stainless Steel Door, Add</i>	232.97	
			<i>For Type 316 Stainless Steel Door, Add</i>	375.86	
			<i>For Embossed Panel, Add</i>	68.59	
			<i>For Galvanized Steel, Add</i>	42.87	
			<i>For Baked Enamel Finish, Add</i>	137.93	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.81	
			<i>For >100, Deduct</i>	-30.13	
			<i>For 2" Thick Door, Add</i>	22.89	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.58	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	71.45	
			<i>For Seamless Edge (Welded), Add</i>	35.72	
			<i>For Steel Stiffened, Add</i>	71.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0064	EA	3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	379.91	45.39
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	57.83	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.01	
			<i>For Type 304 Stainless Steel Door, Add</i>	235.85	
			<i>For Type 316 Stainless Steel Door, Add</i>	380.42	
			<i>For Embossed Panel, Add</i>	69.39	
			<i>For Galvanized Steel, Add</i>	43.37	
			<i>For Baked Enamel Finish, Add</i>	141.20	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.26	
			<i>For >100, Deduct</i>	-30.76	
			<i>For 2" Thick Door, Add</i>	23.23	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.91	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.29	
			<i>For Seamless Edge (Welded), Add</i>	36.14	
			<i>For Steel Stiffened, Add</i>	72.29	
08 13 13	13-0065	EA	3'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	401.77	45.39
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	62.20	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	14.00	
			<i>For Type 304 Stainless Steel Door, Add</i>	253.34	
			<i>For Type 316 Stainless Steel Door, Add</i>	408.84	
			<i>For Embossed Panel, Add</i>	74.64	
			<i>For Galvanized Steel, Add</i>	46.65	
			<i>For Baked Enamel Finish, Add</i>	147.76	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.36	
			<i>For >100, Deduct</i>	-32.40	
			<i>For 2" Thick Door, Add</i>	24.82	
			<i>For Insulated Door (Polystyrene Core), Add</i>	31.10	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	77.75	
			<i>For Seamless Edge (Welded), Add</i>	38.88	
			<i>For Steel Stiffened, Add</i>	77.75	
08 13 13	13-0066	EA	3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	413.96	47.27
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	63.88	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	14.37	
			<i>For Type 304 Stainless Steel Door, Add</i>	260.25	
			<i>For Type 316 Stainless Steel Door, Add</i>	419.95	
			<i>For Embossed Panel, Add</i>	76.66	
			<i>For Galvanized Steel, Add</i>	47.91	
			<i>For Baked Enamel Finish, Add</i>	152.56	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.06	
			<i>For >100, Deduct</i>	-33.41	
			<i>For 2" Thick Door, Add</i>	25.52	
			<i>For Insulated Door (Polystyrene Core), Add</i>	31.94	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	79.85	
			<i>For Seamless Edge (Welded), Add</i>	39.93	
			<i>For Steel Stiffened, Add</i>	79.85	
08 13 13	13-0067	EA	4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	455.15	51.06
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	70.61	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.89	
			<i>For Type 304 Stainless Steel Door, Add</i>	287.53	
			<i>For Type 316 Stainless Steel Door, Add</i>	464.05	
			<i>For Embossed Panel, Add</i>	84.73	
			<i>For Galvanized Steel, Add</i>	52.95	
			<i>For Baked Enamel Finish, Add</i>	167.18	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-25.31	
			<i>For >100, Deduct</i>	-36.69	
			<i>For 2" Thick Door, Add</i>	28.15	
			<i>For Insulated Door (Polystyrene Core), Add</i>	35.30	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	88.26	
			<i>For Seamless Edge (Welded), Add</i>	44.13	
			<i>For Steel Stiffened, Add</i>	88.26	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0068	PR	Pair 2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	728.43	82.64
			For 18 Gauge, Grade II, Heavy Duty, Add	112.63	
			For Composite Door Instead Of Full Panel Door, Add	25.34	
			For Type 304 Stainless Steel Door, Add	458.79	
			For Type 316 Stainless Steel Door, Add	740.37	
			For Embossed Panel, Add	135.16	
			For Galvanized Steel, Add	84.47	
			For Baked Enamel Finish, Add	268.11	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-40.55	
			For >100, Deduct	-58.76	
			For 2" Thick Door, Add	44.96	
			For Insulated Door (Polystyrene Core), Add	56.32	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	140.79	
			For Seamless Edge (Welded), Add	70.40	
			For Steel Stiffened, Add	140.79	
08 13 13	13-0069	PR	Pair 2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	736.83	82.64
			For 18 Gauge, Grade II, Heavy Duty, Add	114.31	
			For Composite Door Instead Of Full Panel Door, Add	25.72	
			For Type 304 Stainless Steel Door, Add	465.51	
			For Type 316 Stainless Steel Door, Add	751.29	
			For Embossed Panel, Add	137.17	
			For Galvanized Steel, Add	85.73	
			For Baked Enamel Finish, Add	270.63	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-40.97	
			For >100, Deduct	-59.39	
			For 2" Thick Door, Add	45.57	
			For Insulated Door (Polystyrene Core), Add	57.16	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	142.89	
			For Seamless Edge (Welded), Add	71.45	
			For Steel Stiffened, Add	142.89	
08 13 13	13-0070	PR	Pair 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	750.75	86.23
			For 18 Gauge, Grade II, Heavy Duty, Add	115.66	
			For Composite Door Instead Of Full Panel Door, Add	26.02	
			For Type 304 Stainless Steel Door, Add	471.26	
			For Type 316 Stainless Steel Door, Add	760.40	
			For Embossed Panel, Add	138.79	
			For Galvanized Steel, Add	86.74	
			For Baked Enamel Finish, Add	276.96	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-41.85	
			For >100, Deduct	-60.62	
			For 2" Thick Door, Add	46.24	
			For Insulated Door (Polystyrene Core), Add	57.83	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.57	
			For Seamless Edge (Welded), Add	72.29	
			For Steel Stiffened, Add	144.57	
08 13 13	13-0071	PR	Pair 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	818.45	89.82
			For 18 Gauge, Grade II, Heavy Duty, Add	127.76	
			For Composite Door Instead Of Full Panel Door, Add	28.75	
			For Type 304 Stainless Steel Door, Add	520.03	
			For Type 316 Stainless Steel Door, Add	839.44	
			For Embossed Panel, Add	153.31	
			For Galvanized Steel, Add	95.82	
			For Baked Enamel Finish, Add	299.43	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-45.41	
			For >100, Deduct	-65.87	
			For 2" Thick Door, Add	50.80	
			For Insulated Door (Polystyrene Core), Add	63.88	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.70	
			For Seamless Edge (Welded), Add	79.85	
			For Steel Stiffened, Add	159.70	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0072	PR			Pair 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	900.07	97.01
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	141.21	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	31.77	
				<i>For Type 304 Stainless Steel Door, Add</i>	574.54	
				<i>For Type 316 Stainless Steel Door, Add</i>	927.57	
				<i>For Embossed Panel, Add</i>	169.45	
				<i>For Galvanized Steel, Add</i>	105.91	
				<i>For Baked Enamel Finish, Add</i>	328.23	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-49.85	
				<i>For >100, Deduct</i>	-72.36	
				<i>For 2" Thick Door, Add</i>	56.04	
				<i>For Insulated Door (Polystyrene Core), Add</i>	70.61	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	176.51	
				<i>For Seamless Edge (Welded), Add</i>	88.26	
				<i>For Steel Stiffened, Add</i>	176.51	
08 13 13 13-0073				7'-2" High <small>(08 13 13 13-0044)</small>		
08 13 13 13-0074	EA			2' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	365.54	41.60
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	56.47	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.70	
				<i>For Type 304 Stainless Steel Door, Add</i>	230.02	
				<i>For Type 316 Stainless Steel Door, Add</i>	371.19	
				<i>For Embossed Panel, Add</i>	67.76	
				<i>For Galvanized Steel, Add</i>	42.35	
				<i>For Baked Enamel Finish, Add</i>	134.63	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-20.36	
				<i>For >100, Deduct</i>	-29.50	
				<i>For 2" Thick Door, Add</i>	22.55	
				<i>For Insulated Door (Polystyrene Core), Add</i>	28.23	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	70.58	
				<i>For Seamless Edge (Welded), Add</i>	35.29	
				<i>For Steel Stiffened, Add</i>	70.58	
08 13 13 13-0075	EA			2'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	365.54	41.60
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	56.47	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.70	
				<i>For Type 304 Stainless Steel Door, Add</i>	230.02	
				<i>For Type 316 Stainless Steel Door, Add</i>	371.19	
				<i>For Embossed Panel, Add</i>	67.76	
				<i>For Galvanized Steel, Add</i>	42.35	
				<i>For Baked Enamel Finish, Add</i>	134.63	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-20.36	
				<i>For >100, Deduct</i>	-29.50	
				<i>For 2" Thick Door, Add</i>	22.55	
				<i>For Insulated Door (Polystyrene Core), Add</i>	28.23	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	70.58	
				<i>For Seamless Edge (Welded), Add</i>	35.29	
				<i>For Steel Stiffened, Add</i>	70.58	
08 13 13 13-0076	EA			2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	375.10	43.50
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	57.62	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.96	
				<i>For Type 304 Stainless Steel Door, Add</i>	234.84	
				<i>For Type 316 Stainless Steel Door, Add</i>	378.89	
				<i>For Embossed Panel, Add</i>	69.15	
				<i>For Galvanized Steel, Add</i>	43.22	
				<i>For Baked Enamel Finish, Add</i>	138.63	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-20.93	
				<i>For >100, Deduct</i>	-30.31	
				<i>For 2" Thick Door, Add</i>	23.06	
				<i>For Insulated Door (Polystyrene Core), Add</i>	28.81	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.03	
				<i>For Seamless Edge (Welded), Add</i>	36.01	
				<i>For Steel Stiffened, Add</i>	72.03	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0077	EA	2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	379.40	43.50
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	58.48	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.16	
			<i>For Type 304 Stainless Steel Door, Add</i>	238.28	
			<i>For Type 316 Stainless Steel Door, Add</i>	384.48	
			<i>For Embossed Panel, Add</i>	70.18	
			<i>For Galvanized Steel, Add</i>	43.86	
			<i>For Baked Enamel Finish, Add</i>	139.92	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.14	
			<i>For >100, Deduct</i>	-30.63	
			<i>For 2" Thick Door, Add</i>	23.37	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.24	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	73.10	
			<i>For Seamless Edge (Welded), Add</i>	36.55	
			<i>For Steel Stiffened, Add</i>	73.10	
08 13 13	13-0078	EA	3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	386.62	45.39
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	59.17	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.31	
			<i>For Type 304 Stainless Steel Door, Add</i>	241.22	
			<i>For Type 316 Stainless Steel Door, Add</i>	389.14	
			<i>For Embossed Panel, Add</i>	71.00	
			<i>For Galvanized Steel, Add</i>	44.38	
			<i>For Baked Enamel Finish, Add</i>	143.22	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.60	
			<i>For >100, Deduct</i>	-31.27	
			<i>For 2" Thick Door, Add</i>	23.72	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.59	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	73.96	
			<i>For Seamless Edge (Welded), Add</i>	36.98	
			<i>For Steel Stiffened, Add</i>	73.96	
08 13 13	13-0079	EA	3'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	408.98	45.39
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	63.64	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	14.32	
			<i>For Type 304 Stainless Steel Door, Add</i>	259.11	
			<i>For Type 316 Stainless Steel Door, Add</i>	418.21	
			<i>For Embossed Panel, Add</i>	76.37	
			<i>For Galvanized Steel, Add</i>	47.73	
			<i>For Baked Enamel Finish, Add</i>	149.93	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.72	
			<i>For >100, Deduct</i>	-32.94	
			<i>For 2" Thick Door, Add</i>	25.34	
			<i>For Insulated Door (Polystyrene Core), Add</i>	31.82	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	79.55	
			<i>For Seamless Edge (Welded), Add</i>	39.78	
			<i>For Steel Stiffened, Add</i>	79.55	
08 13 13	13-0080	EA	3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	421.37	47.27
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	65.36	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	14.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	266.18	
			<i>For Type 316 Stainless Steel Door, Add</i>	429.58	
			<i>For Embossed Panel, Add</i>	78.43	
			<i>For Galvanized Steel, Add</i>	49.02	
			<i>For Baked Enamel Finish, Add</i>	154.78	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.43	
			<i>For >100, Deduct</i>	-33.97	
			<i>For 2" Thick Door, Add</i>	26.06	
			<i>For Insulated Door (Polystyrene Core), Add</i>	32.68	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	81.70	
			<i>For Seamless Edge (Welded), Add</i>	40.85	
			<i>For Steel Stiffened, Add</i>	81.70	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081	EA			4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	463.33	51.06
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	72.24	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	16.25	
				<i>For Type 304 Stainless Steel Door, Add</i>	294.07	
				<i>For Type 316 Stainless Steel Door, Add</i>	474.68	
				<i>For Embossed Panel, Add</i>	86.69	
				<i>For Galvanized Steel, Add</i>	54.18	
				<i>For Baked Enamel Finish, Add</i>	169.64	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-25.72	
				<i>For >100, Deduct</i>	-37.30	
				<i>For 2" Thick Door, Add</i>	28.74	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.12	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	90.30	
				<i>For Seamless Edge (Welded), Add</i>	45.15	
				<i>For Steel Stiffened, Add</i>	90.30	
08 13 13 13-0082	PR			Pair 2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	741.49	82.64
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	115.24	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.93	
				<i>For Type 304 Stainless Steel Door, Add</i>	469.24	
				<i>For Type 316 Stainless Steel Door, Add</i>	757.35	
				<i>For Embossed Panel, Add</i>	138.29	
				<i>For Galvanized Steel, Add</i>	86.43	
				<i>For Baked Enamel Finish, Add</i>	272.03	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-41.21	
				<i>For >100, Deduct</i>	-59.74	
				<i>For 2" Thick Door, Add</i>	45.91	
				<i>For Insulated Door (Polystyrene Core), Add</i>	57.62	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	144.06	
				<i>For Seamless Edge (Welded), Add</i>	72.03	
				<i>For Steel Stiffened, Add</i>	144.06	
08 13 13 13-0083	PR			Pair 2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	750.09	82.64
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	116.96	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.32	
				<i>For Type 304 Stainless Steel Door, Add</i>	476.12	
				<i>For Type 316 Stainless Steel Door, Add</i>	768.53	
				<i>For Embossed Panel, Add</i>	140.36	
				<i>For Galvanized Steel, Add</i>	87.72	
				<i>For Baked Enamel Finish, Add</i>	274.61	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-41.64	
				<i>For >100, Deduct</i>	-60.39	
				<i>For 2" Thick Door, Add</i>	46.53	
				<i>For Insulated Door (Polystyrene Core), Add</i>	58.48	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	146.21	
				<i>For Seamless Edge (Welded), Add</i>	73.10	
				<i>For Steel Stiffened, Add</i>	146.21	
08 13 13 13-0084	PR			Pair 3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	764.16	86.23
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	118.34	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.63	
				<i>For Type 304 Stainless Steel Door, Add</i>	481.98	
				<i>For Type 316 Stainless Steel Door, Add</i>	777.83	
				<i>For Embossed Panel, Add</i>	142.01	
				<i>For Galvanized Steel, Add</i>	88.76	
				<i>For Baked Enamel Finish, Add</i>	280.99	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-42.52	
				<i>For >100, Deduct</i>	-61.62	
				<i>For 2" Thick Door, Add</i>	47.21	
				<i>For Insulated Door (Polystyrene Core), Add</i>	59.17	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	147.93	
				<i>For Seamless Edge (Welded), Add</i>	73.96	
				<i>For Steel Stiffened, Add</i>	147.93	

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0085	PR	Pair 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	833.26	89.82
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	130.72	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	29.41	
			<i>For Type 304 Stainless Steel Door, Add</i>	531.88	
			<i>For Type 316 Stainless Steel Door, Add</i>	858.69	
			<i>For Embossed Panel, Add</i>	156.87	
			<i>For Galvanized Steel, Add</i>	98.04	
			<i>For Baked Enamel Finish, Add</i>	303.87	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.15	
			<i>For >100, Deduct</i>	-66.99	
			<i>For 2" Thick Door, Add</i>	51.88	
			<i>For Insulated Door (Polystyrene Core), Add</i>	65.36	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	163.41	
			<i>For Seamless Edge (Welded), Add</i>	81.70	
			<i>For Steel Stiffened, Add</i>	163.41	
08 13 13	13-0086	PR	Pair 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	916.44	97.01
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	144.48	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	32.51	
			<i>For Type 304 Stainless Steel Door, Add</i>	587.64	
			<i>For Type 316 Stainless Steel Door, Add</i>	948.85	
			<i>For Embossed Panel, Add</i>	173.38	
			<i>For Galvanized Steel, Add</i>	108.36	
			<i>For Baked Enamel Finish, Add</i>	333.14	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-50.67	
			<i>For >100, Deduct</i>	-73.58	
			<i>For 2" Thick Door, Add</i>	57.23	
			<i>For Insulated Door (Polystyrene Core), Add</i>	72.24	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	180.61	
			<i>For Seamless Edge (Welded), Add</i>	90.30	
			<i>For Steel Stiffened, Add</i>	180.61	
08 13 13	13-0087		8' High (08 13 13 13-0044)		
08 13 13	13-0088	EA	2' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	418.31	41.60
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	67.02	
			<i>For Up To 1' Extra Height, Add</i>	92.72	
			<i>For 1' To 1'-6" Extra Height, Add</i>	176.90	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.08	
			<i>For Type 304 Stainless Steel Door, Add</i>	272.24	
			<i>For Type 316 Stainless Steel Door, Add</i>	439.79	
			<i>For Embossed Panel, Add</i>	80.42	
			<i>For Galvanized Steel, Add</i>	50.27	
			<i>For Baked Enamel Finish, Add</i>	150.46	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.00	
			<i>For >100, Deduct</i>	-33.45	
			<i>For 2" Thick Door, Add</i>	26.38	
			<i>For Insulated Door (Polystyrene Core), Add</i>	33.51	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	83.78	
			<i>For Seamless Edge (Welded), Add</i>	41.89	
			<i>For Steel Stiffened, Add</i>	83.78	
08 13 13	13-0089	EA	2'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	418.31	41.60
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	67.02	
			<i>For Up To 1' Extra Height, Add</i>	92.72	
			<i>For 1' To 1'-6" Extra Height, Add</i>	176.90	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.08	
			<i>For Type 304 Stainless Steel Door, Add</i>	272.24	
			<i>For Type 316 Stainless Steel Door, Add</i>	439.79	
			<i>For Embossed Panel, Add</i>	80.42	
			<i>For Galvanized Steel, Add</i>	50.27	
			<i>For Baked Enamel Finish, Add</i>	150.46	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.00	
			<i>For >100, Deduct</i>	-33.45	
			<i>For 2" Thick Door, Add</i>	26.38	
			<i>For Insulated Door (Polystyrene Core), Add</i>	33.51	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	83.78	
			<i>For Seamless Edge (Welded), Add</i>	41.89	
			<i>For Steel Stiffened, Add</i>	83.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090	EA			2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	428.94	43.50
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	68.39	
				<i>For Up To 1' Extra Height, Add</i>	94.62	
				<i>For 1' To 1'-6" Extra Height, Add</i>	180.52	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.39	
				<i>For Type 304 Stainless Steel Door, Add</i>	277.91	
				<i>For Type 316 Stainless Steel Door, Add</i>	448.88	
				<i>For Embossed Panel, Add</i>	82.07	
				<i>For Galvanized Steel, Add</i>	51.29	
				<i>For Baked Enamel Finish, Add</i>	154.78	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.62	
				<i>For >100, Deduct</i>	-34.35	
				<i>For 2" Thick Door, Add</i>	26.97	
				<i>For Insulated Door (Polystyrene Core), Add</i>	34.20	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	85.49	
				<i>For Seamless Edge (Welded), Add</i>	42.74	
				<i>For Steel Stiffened, Add</i>	85.49	
08 13 13 13-0091	EA			2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	434.05	43.50
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	69.41	
				<i>For Up To 1' Extra Height, Add</i>	96.03	
				<i>For 1' To 1'-6" Extra Height, Add</i>	183.21	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.62	
				<i>For Type 304 Stainless Steel Door, Add</i>	282.00	
				<i>For Type 316 Stainless Steel Door, Add</i>	455.53	
				<i>For Embossed Panel, Add</i>	83.29	
				<i>For Galvanized Steel, Add</i>	52.06	
				<i>For Baked Enamel Finish, Add</i>	156.31	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.88	
				<i>For >100, Deduct</i>	-34.73	
				<i>For 2" Thick Door, Add</i>	27.34	
				<i>For Insulated Door (Polystyrene Core), Add</i>	34.71	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	86.77	
				<i>For Seamless Edge (Welded), Add</i>	43.38	
				<i>For Steel Stiffened, Add</i>	86.77	
08 13 13 13-0092	EA			3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	441.91	45.39
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	70.23	
				<i>For Up To 1' Extra Height, Add</i>	97.16	
				<i>For 1' To 1'-6" Extra Height, Add</i>	185.37	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.80	
				<i>For Type 304 Stainless Steel Door, Add</i>	285.45	
				<i>For Type 316 Stainless Steel Door, Add</i>	461.02	
				<i>For Embossed Panel, Add</i>	84.27	
				<i>For Galvanized Steel, Add</i>	52.67	
				<i>For Baked Enamel Finish, Add</i>	159.80	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-24.36	
				<i>For >100, Deduct</i>	-35.41	
				<i>For 2" Thick Door, Add</i>	27.73	
				<i>For Insulated Door (Polystyrene Core), Add</i>	35.11	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	87.79	
				<i>For Seamless Edge (Welded), Add</i>	43.89	
				<i>For Steel Stiffened, Add</i>	87.79	
08 13 13 13-0093	EA			3'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	468.45	45.39
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	75.54	
				<i>For Up To 1' Extra Height, Add</i>	104.50	
				<i>For 1' To 1'-6" Extra Height, Add</i>	199.38	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.00	
				<i>For Type 304 Stainless Steel Door, Add</i>	306.68	
				<i>For Type 316 Stainless Steel Door, Add</i>	495.52	
				<i>For Embossed Panel, Add</i>	90.64	
				<i>For Galvanized Steel, Add</i>	56.65	
				<i>For Baked Enamel Finish, Add</i>	167.77	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-25.69	
				<i>For >100, Deduct</i>	-37.40	
				<i>For 2" Thick Door, Add</i>	29.65	
				<i>For Insulated Door (Polystyrene Core), Add</i>	37.77	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.42	
				<i>For Seamless Edge (Welded), Add</i>	47.21	
				<i>For Steel Stiffened, Add</i>	94.42	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0094	EA	3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	482.45	47.27
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	77.58	
			<i>For Up To 1' Extra Height, Add</i>	107.33	
			<i>For 1' To 1'-6" Extra Height, Add</i>	204.77	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.46	
			<i>For Type 304 Stainless Steel Door, Add</i>	315.04	
			<i>For Type 316 Stainless Steel Door, Add</i>	508.99	
			<i>For Embossed Panel, Add</i>	93.09	
			<i>For Galvanized Steel, Add</i>	58.18	
			<i>For Baked Enamel Finish, Add</i>	173.10	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.49	
			<i>For >100, Deduct</i>	-38.55	
			<i>For 2" Thick Door, Add</i>	30.49	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.79	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	96.97	
			<i>For Seamless Edge (Welded), Add</i>	48.49	
			<i>For Steel Stiffened, Add</i>	96.97	
08 13 13	13-0095	EA	4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	530.84	51.06
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	85.74	
			<i>For Up To 1' Extra Height, Add</i>	118.63	
			<i>For 1' To 1'-6" Extra Height, Add</i>	226.32	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	19.29	
			<i>For Type 304 Stainless Steel Door, Add</i>	348.08	
			<i>For Type 316 Stainless Steel Door, Add</i>	562.44	
			<i>For Embossed Panel, Add</i>	102.89	
			<i>For Galvanized Steel, Add</i>	64.31	
			<i>For Baked Enamel Finish, Add</i>	189.89	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-29.10	
			<i>For >100, Deduct</i>	-42.37	
			<i>For 2" Thick Door, Add</i>	33.64	
			<i>For Insulated Door (Polystyrene Core), Add</i>	42.87	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.18	
			<i>For Seamless Edge (Welded), Add</i>	53.59	
			<i>For Steel Stiffened, Add</i>	107.18	
08 13 13	13-0096	PR	Pair 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	849.18	82.64
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	136.78	
			<i>For Up To 1' Extra Height, Add</i>	189.24	
			<i>For 1' To 1'-6" Extra Height, Add</i>	361.04	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	30.78	
			<i>For Type 304 Stainless Steel Door, Add</i>	555.39	
			<i>For Type 316 Stainless Steel Door, Add</i>	897.35	
			<i>For Embossed Panel, Add</i>	164.14	
			<i>For Galvanized Steel, Add</i>	102.59	
			<i>For Baked Enamel Finish, Add</i>	304.34	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.59	
			<i>For >100, Deduct</i>	-67.82	
			<i>For 2" Thick Door, Add</i>	53.72	
			<i>For Insulated Door (Polystyrene Core), Add</i>	68.39	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	170.98	
			<i>For Seamless Edge (Welded), Add</i>	85.49	
			<i>For Steel Stiffened, Add</i>	170.98	
08 13 13	13-0097	PR	Pair 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	859.38	82.64
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	138.82	
			<i>For Up To 1' Extra Height, Add</i>	192.06	
			<i>For 1' To 1'-6" Extra Height, Add</i>	366.42	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	31.23	
			<i>For Type 304 Stainless Steel Door, Add</i>	563.55	
			<i>For Type 316 Stainless Steel Door, Add</i>	910.61	
			<i>For Embossed Panel, Add</i>	166.59	
			<i>For Galvanized Steel, Add</i>	104.12	
			<i>For Baked Enamel Finish, Add</i>	307.40	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-47.10	
			<i>For >100, Deduct</i>	-68.59	
			<i>For 2" Thick Door, Add</i>	54.45	
			<i>For Insulated Door (Polystyrene Core), Add</i>	69.41	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	173.53	
			<i>For Seamless Edge (Welded), Add</i>	86.76	
			<i>For Steel Stiffened, Add</i>	173.53	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0098 PR Pair 3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	874.74	86.23
For 18 Gauge, Grade II, Heavy Duty, Add	140.46	
For Up To 1' Extra Height, Add	194.32	
For 1' To 1'-6" Extra Height, Add	370.73	
For Composite Door Instead Of Full Panel Door, Add	31.60	
For Type 304 Stainless Steel Door, Add	570.45	
For Type 316 Stainless Steel Door, Add	921.59	
For Embossed Panel, Add	168.55	
For Galvanized Steel, Add	105.34	
For Baked Enamel Finish, Add	314.16	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-48.05	
For >100, Deduct	-69.92	
For 2" Thick Door, Add	55.23	
For Insulated Door (Polystyrene Core), Add	70.23	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.57	
For Seamless Edge (Welded), Add	87.79	
For Steel Stiffened, Add	175.57	
08 13 13 13-0099 PR Pair 3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	955.41	89.82
For 18 Gauge, Grade II, Heavy Duty, Add	155.15	
For Up To 1' Extra Height, Add	214.66	
For 1' To 1'-6" Extra Height, Add	409.53	
For Composite Door Instead Of Full Panel Door, Add	34.91	
For Type 304 Stainless Steel Door, Add	629.60	
For Type 316 Stainless Steel Door, Add	1,017.48	
For Embossed Panel, Add	186.18	
For Galvanized Steel, Add	116.37	
For Baked Enamel Finish, Add	340.52	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.26	
For >100, Deduct	-76.15	
For 2" Thick Door, Add	60.73	
For Insulated Door (Polystyrene Core), Add	77.58	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	193.94	
For Seamless Edge (Welded), Add	96.97	
For Steel Stiffened, Add	193.94	
08 13 13 13-0100 PR Pair 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,051.46	97.01
For Composite Door Instead Of Full Panel Door, Add	38.58	
For Type 304 Stainless Steel Door, Add	695.65	
For Type 316 Stainless Steel Door, Add	1,124.37	
For Embossed Panel, Add	205.79	
For Galvanized Steel, Add	128.62	
For Baked Enamel Finish, Add	373.64	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-57.42	
For >100, Deduct	-83.71	
For 2" Thick Door, Add	67.01	
For Insulated Door (Polystyrene Core), Add	85.74	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	214.36	
For Seamless Edge (Welded), Add	107.18	
For Steel Stiffened, Add	214.36	

08 13 13 13-0101 16 Gauge 1-3/4" Unrated Door (08 13 13 13)
 08 13 13 13-0102 6'-8" High (08 13 13 13-0101)

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

08 13 13 13-0103	EA 2' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	456.52	41.60
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	111.99	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	149.32	
	For Composite Door Instead Of Full Panel Door, Add	16.80	
	For Type 304 Stainless Steel Door, Add	302.81	
	For Type 316 Stainless Steel Door, Add	489.46	
	For Embossed Panel, Add	89.59	
	For Galvanized Steel, Add	56.00	
	For Baked Enamel Finish, Add	161.92	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-24.91	
	For >100, Deduct	-36.32	
	For 2" Thick Door, Add	29.15	
	For Insulated Door (Polystyrene Core), Add	37.33	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	93.33	
	For Seamless Edge (Welded), Add	46.66	
	For Steel Stiffened, Add	93.33	
08 13 13 13-0104	EA 2'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	456.52	41.60
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	111.99	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	149.32	
	For Composite Door Instead Of Full Panel Door, Add	16.80	
	For Type 304 Stainless Steel Door, Add	302.81	
	For Type 316 Stainless Steel Door, Add	489.46	
	For Embossed Panel, Add	89.59	
	For Galvanized Steel, Add	56.00	
	For Baked Enamel Finish, Add	161.92	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-24.91	
	For >100, Deduct	-36.32	
	For 2" Thick Door, Add	29.15	
	For Insulated Door (Polystyrene Core), Add	37.33	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	93.33	
	For Seamless Edge (Welded), Add	46.66	
	For Steel Stiffened, Add	93.33	
08 13 13 13-0105	EA 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	467.94	43.50
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	114.29	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	152.38	
	For Composite Door Instead Of Full Panel Door, Add	17.14	
	For Type 304 Stainless Steel Door, Add	309.11	
	For Type 316 Stainless Steel Door, Add	499.58	
	For Embossed Panel, Add	91.43	
	For Galvanized Steel, Add	57.14	
	For Baked Enamel Finish, Add	166.48	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-25.57	
	For >100, Deduct	-37.27	
	For 2" Thick Door, Add	29.79	
	For Insulated Door (Polystyrene Core), Add	38.10	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	95.24	
	For Seamless Edge (Welded), Add	47.62	
	For Steel Stiffened, Add	95.24	
08 13 13 13-0106	EA 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	473.62	43.50
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	115.99	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	154.65	
	For Composite Door Instead Of Full Panel Door, Add	17.40	
	For Type 304 Stainless Steel Door, Add	313.65	
	For Type 316 Stainless Steel Door, Add	506.97	
	For Embossed Panel, Add	92.79	
	For Galvanized Steel, Add	57.99	
	For Baked Enamel Finish, Add	168.18	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-25.86	
	For >100, Deduct	-37.70	
	For 2" Thick Door, Add	30.21	
	For Insulated Door (Polystyrene Core), Add	38.66	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	96.66	
	For Seamless Edge (Welded), Add	48.33	
	For Steel Stiffened, Add	96.66	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0107	EA		3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	481.95	45.39
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	117.35	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	156.47	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.60	
				<i>For Type 304 Stainless Steel Door, Add</i>	317.48	
				<i>For Type 316 Stainless Steel Door, Add</i>	513.07	
				<i>For Embossed Panel, Add</i>	93.88	
				<i>For Galvanized Steel, Add</i>	58.68	
				<i>For Baked Enamel Finish, Add</i>	171.82	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-26.37	
				<i>For >100, Deduct</i>	-38.42	
				<i>For 2" Thick Door, Add</i>	30.63	
				<i>For Insulated Door (Polystyrene Core), Add</i>	39.12	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	97.80	
				<i>For Seamless Edge (Welded), Add</i>	48.90	
				<i>For Steel Stiffened, Add</i>	97.80	
08 13 13	13-0108	EA		3'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	511.52	45.39
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	126.23	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	168.30	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.93	
				<i>For Type 304 Stainless Steel Door, Add</i>	341.14	
				<i>For Type 316 Stainless Steel Door, Add</i>	551.51	
				<i>For Embossed Panel, Add</i>	100.98	
				<i>For Galvanized Steel, Add</i>	63.11	
				<i>For Baked Enamel Finish, Add</i>	180.69	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-27.85	
				<i>For >100, Deduct</i>	-40.63	
				<i>For 2" Thick Door, Add</i>	32.77	
				<i>For Insulated Door (Polystyrene Core), Add</i>	42.08	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	105.19	
				<i>For Seamless Edge (Welded), Add</i>	52.59	
				<i>For Steel Stiffened, Add</i>	105.19	
08 13 13	13-0109	EA		3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	526.68	47.27
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	129.64	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	172.85	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	19.45	
				<i>For Type 304 Stainless Steel Door, Add</i>	350.42	
				<i>For Type 316 Stainless Steel Door, Add</i>	566.48	
				<i>For Embossed Panel, Add</i>	103.71	
				<i>For Galvanized Steel, Add</i>	64.82	
				<i>For Baked Enamel Finish, Add</i>	186.37	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-28.70	
				<i>For >100, Deduct</i>	-41.87	
				<i>For 2" Thick Door, Add</i>	33.69	
				<i>For Insulated Door (Polystyrene Core), Add</i>	43.21	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	108.03	
				<i>For Seamless Edge (Welded), Add</i>	54.02	
				<i>For Steel Stiffened, Add</i>	108.03	
08 13 13	13-0110	EA		4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	579.73	51.06
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	143.28	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	191.04	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	21.49	
				<i>For Type 304 Stainless Steel Door, Add</i>	387.19	
				<i>For Type 316 Stainless Steel Door, Add</i>	626.00	
				<i>For Embossed Panel, Add</i>	114.63	
				<i>For Galvanized Steel, Add</i>	71.64	
				<i>For Baked Enamel Finish, Add</i>	204.56	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-31.54	
				<i>For >100, Deduct</i>	-46.03	
				<i>For 2" Thick Door, Add</i>	37.18	
				<i>For Insulated Door (Polystyrene Core), Add</i>	47.76	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	119.40	
				<i>For Seamless Edge (Welded), Add</i>	59.70	
				<i>For Steel Stiffened, Add</i>	119.40	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0111	PR		Pair 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	927.17	82.64
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	228.57	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	304.76	
			For Composite Door Instead Of Full Panel Door, Add	34.29	
			For Type 304 Stainless Steel Door, Add	617.78	
			For Type 316 Stainless Steel Door, Add	998.73	
			For Embossed Panel, Add	182.86	
			For Galvanized Steel, Add	114.29	
			For Baked Enamel Finish, Add	327.73	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-50.49	
			For >100, Deduct	-73.67	
			For 2" Thick Door, Add	59.37	
			For Insulated Door (Polystyrene Core), Add	76.19	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	190.48	
			For Seamless Edge (Welded), Add	95.24	
			For Steel Stiffened, Add	190.48	
08 13 13 13-0112	PR		Pair 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	938.54	82.64
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	231.98	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	309.31	
			For Composite Door Instead Of Full Panel Door, Add	34.80	
			For Type 304 Stainless Steel Door, Add	626.88	
			For Type 316 Stainless Steel Door, Add	1,013.51	
			For Embossed Panel, Add	185.58	
			For Galvanized Steel, Add	115.99	
			For Baked Enamel Finish, Add	331.14	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-51.06	
			For >100, Deduct	-74.52	
			For 2" Thick Door, Add	60.19	
			For Insulated Door (Polystyrene Core), Add	77.33	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	193.32	
			For Seamless Edge (Welded), Add	96.66	
			For Steel Stiffened, Add	193.32	
08 13 13 13-0113	PR		Pair 3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	954.82	86.23
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	234.71	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	312.94	
			For Composite Door Instead Of Full Panel Door, Add	35.21	
			For Type 304 Stainless Steel Door, Add	634.51	
			For Type 316 Stainless Steel Door, Add	1,025.69	
			For Embossed Panel, Add	187.77	
			For Galvanized Steel, Add	117.35	
			For Baked Enamel Finish, Add	338.18	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-52.05	
			For >100, Deduct	-75.92	
			For 2" Thick Door, Add	61.03	
			For Insulated Door (Polystyrene Core), Add	78.24	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	195.59	
			For Seamless Edge (Welded), Add	97.80	
			For Steel Stiffened, Add	195.59	
08 13 13 13-0114	PR		Pair 3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,043.88	89.82
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	259.27	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	345.70	
			For Composite Door Instead Of Full Panel Door, Add	38.89	
			For Type 304 Stainless Steel Door, Add	700.37	
			For Type 316 Stainless Steel Door, Add	1,132.49	
			For Embossed Panel, Add	207.42	
			For Galvanized Steel, Add	129.64	
			For Baked Enamel Finish, Add	367.06	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-56.69	
			For >100, Deduct	-82.78	
			For 2" Thick Door, Add	67.15	
			For Insulated Door (Polystyrene Core), Add	86.42	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	216.06	
			For Seamless Edge (Welded), Add	108.03	
			For Steel Stiffened, Add	216.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0115	PR			Pair 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,149.23	97.01
				For 16 Gauge, Grade III, Extra Heavy Duty, Add	286.56	
				For 14 Gauge, Grade III, Extra Heavy Duty, Add	382.08	
				For Composite Door Instead Of Full Panel Door, Add	42.98	
				For Type 304 Stainless Steel Door, Add	773.87	
				For Type 316 Stainless Steel Door, Add	1,251.47	
				For Embossed Panel, Add	229.25	
				For Galvanized Steel, Add	143.28	
				For Baked Enamel Finish, Add	402.98	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-62.31	
				For >100, Deduct	-91.04	
				For 2" Thick Door, Add	74.10	
				For Insulated Door (Polystyrene Core), Add	95.52	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	238.80	
				For Seamless Edge (Welded), Add	119.40	
				For Steel Stiffened, Add	238.80	
08 13 13 13-0116				7' High <small>(08 13 13 13-0101)</small>		
08 13 13 13-0117	EA			2' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	465.38	41.60
				For 16 Gauge, Grade III, Extra Heavy Duty, Add	114.65	
				For 14 Gauge, Grade III, Extra Heavy Duty, Add	152.87	
				For Composite Door Instead Of Full Panel Door, Add	17.20	
				For Type 304 Stainless Steel Door, Add	309.90	
				For Type 316 Stainless Steel Door, Add	500.98	
				For Embossed Panel, Add	91.72	
				For Galvanized Steel, Add	57.33	
				For Baked Enamel Finish, Add	164.58	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-25.35	
				For >100, Deduct	-36.98	
				For 2" Thick Door, Add	29.79	
				For Insulated Door (Polystyrene Core), Add	38.22	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	95.54	
				For Seamless Edge (Welded), Add	47.77	
				For Steel Stiffened, Add	95.54	
08 13 13 13-0118	EA			2'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	465.38	41.60
				For 16 Gauge, Grade III, Extra Heavy Duty, Add	114.65	
				For 14 Gauge, Grade III, Extra Heavy Duty, Add	152.87	
				For Composite Door Instead Of Full Panel Door, Add	17.20	
				For Type 304 Stainless Steel Door, Add	309.90	
				For Type 316 Stainless Steel Door, Add	500.98	
				For Embossed Panel, Add	91.72	
				For Galvanized Steel, Add	57.33	
				For Baked Enamel Finish, Add	164.58	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-25.35	
				For >100, Deduct	-36.98	
				For 2" Thick Door, Add	29.79	
				For Insulated Door (Polystyrene Core), Add	38.22	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	95.54	
				For Seamless Edge (Welded), Add	47.77	
				For Steel Stiffened, Add	95.54	
08 13 13 13-0119	EA			2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	476.98	43.50
				For 16 Gauge, Grade III, Extra Heavy Duty, Add	117.00	
				For 14 Gauge, Grade III, Extra Heavy Duty, Add	156.00	
				For Composite Door Instead Of Full Panel Door, Add	17.55	
				For Type 304 Stainless Steel Door, Add	316.34	
				For Type 316 Stainless Steel Door, Add	511.34	
				For Embossed Panel, Add	93.60	
				For Galvanized Steel, Add	58.50	
				For Baked Enamel Finish, Add	169.19	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-26.02	
				For >100, Deduct	-37.95	
				For 2" Thick Door, Add	30.45	
				For Insulated Door (Polystyrene Core), Add	39.00	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.50	
				For Seamless Edge (Welded), Add	48.75	
				For Steel Stiffened, Add	97.50	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0120	EA	2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	482.80	43.50
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	118.74	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	158.32	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.81	
			<i>For Type 304 Stainless Steel Door, Add</i>	321.00	
			<i>For Type 316 Stainless Steel Door, Add</i>	518.90	
			<i>For Embossed Panel, Add</i>	94.99	
			<i>For Galvanized Steel, Add</i>	59.37	
			<i>For Baked Enamel Finish, Add</i>	170.94	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.31	
			<i>For >100, Deduct</i>	-38.38	
			<i>For 2" Thick Door, Add</i>	30.87	
			<i>For Insulated Door (Polystyrene Core), Add</i>	39.58	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	98.95	
			<i>For Seamless Edge (Welded), Add</i>	49.48	
			<i>For Steel Stiffened, Add</i>	98.95	
08 13 13	13-0121	EA	3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	491.23	45.39
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	120.14	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	160.18	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.02	
			<i>For Type 304 Stainless Steel Door, Add</i>	324.91	
			<i>For Type 316 Stainless Steel Door, Add</i>	525.14	
			<i>For Embossed Panel, Add</i>	96.11	
			<i>For Galvanized Steel, Add</i>	60.07	
			<i>For Baked Enamel Finish, Add</i>	174.60	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.83	
			<i>For >100, Deduct</i>	-39.11	
			<i>For 2" Thick Door, Add</i>	31.30	
			<i>For Insulated Door (Polystyrene Core), Add</i>	40.05	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	100.12	
			<i>For Seamless Edge (Welded), Add</i>	50.06	
			<i>For Steel Stiffened, Add</i>	100.12	
08 13 13	13-0122	EA	3'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	521.50	45.39
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	129.22	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	172.29	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	19.38	
			<i>For Type 304 Stainless Steel Door, Add</i>	349.12	
			<i>For Type 316 Stainless Steel Door, Add</i>	564.49	
			<i>For Embossed Panel, Add</i>	103.38	
			<i>For Galvanized Steel, Add</i>	64.61	
			<i>For Baked Enamel Finish, Add</i>	183.68	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-28.34	
			<i>For >100, Deduct</i>	-41.38	
			<i>For 2" Thick Door, Add</i>	33.50	
			<i>For Insulated Door (Polystyrene Core), Add</i>	43.07	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.68	
			<i>For Seamless Edge (Welded), Add</i>	53.84	
			<i>For Steel Stiffened, Add</i>	107.68	
08 13 13	13-0123	EA	3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	536.93	47.27
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	132.71	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	176.95	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	19.91	
			<i>For Type 304 Stainless Steel Door, Add</i>	358.62	
			<i>For Type 316 Stainless Steel Door, Add</i>	579.81	
			<i>For Embossed Panel, Add</i>	106.17	
			<i>For Galvanized Steel, Add</i>	66.36	
			<i>For Baked Enamel Finish, Add</i>	189.45	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-29.21	
			<i>For >100, Deduct</i>	-42.63	
			<i>For 2" Thick Door, Add</i>	34.44	
			<i>For Insulated Door (Polystyrene Core), Add</i>	44.24	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	110.59	
			<i>For Seamless Edge (Welded), Add</i>	55.30	
			<i>For Steel Stiffened, Add</i>	110.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0124	EA	4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	591.06	51.06
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	146.68	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	195.58	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	22.00	
			<i>For Type 304 Stainless Steel Door, Add</i>	396.26	
			<i>For Type 316 Stainless Steel Door, Add</i>	640.73	
			<i>For Embossed Panel, Add</i>	117.35	
			<i>For Galvanized Steel, Add</i>	73.34	
			<i>For Baked Enamel Finish, Add</i>	207.95	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-32.11	
			<i>For >100, Deduct</i>	-46.88	
			<i>For 2" Thick Door, Add</i>	38.00	
			<i>For Insulated Door (Polystyrene Core), Add</i>	48.89	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	122.24	
			<i>For Seamless Edge (Welded), Add</i>	61.12	
			<i>For Steel Stiffened, Add</i>	122.24	
08 13 13	13-0125	PR	Pair 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	945.25	82.64
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	233.99	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	311.99	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.10	
			<i>For Type 304 Stainless Steel Door, Add</i>	632.25	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,022.24	
			<i>For Embossed Panel, Add</i>	187.20	
			<i>For Galvanized Steel, Add</i>	117.00	
			<i>For Baked Enamel Finish, Add</i>	333.16	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.39	
			<i>For >100, Deduct</i>	-75.03	
			<i>For 2" Thick Door, Add</i>	60.68	
			<i>For Insulated Door (Polystyrene Core), Add</i>	78.00	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	195.00	
			<i>For Seamless Edge (Welded), Add</i>	97.50	
			<i>For Steel Stiffened, Add</i>	195.00	
08 13 13	13-0126	PR	Pair 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	956.89	82.64
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	237.49	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	316.65	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	641.56	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,037.37	
			<i>For Embossed Panel, Add</i>	189.99	
			<i>For Galvanized Steel, Add</i>	118.74	
			<i>For Baked Enamel Finish, Add</i>	336.65	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.98	
			<i>For >100, Deduct</i>	-75.90	
			<i>For 2" Thick Door, Add</i>	61.52	
			<i>For Insulated Door (Polystyrene Core), Add</i>	79.16	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	197.91	
			<i>For Seamless Edge (Welded), Add</i>	98.95	
			<i>For Steel Stiffened, Add</i>	197.91	
08 13 13	13-0127	PR	Pair 3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	973.39	86.23
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	240.28	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	320.37	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	36.04	
			<i>For Type 304 Stainless Steel Door, Add</i>	649.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,049.83	
			<i>For Embossed Panel, Add</i>	192.22	
			<i>For Galvanized Steel, Add</i>	120.14	
			<i>For Baked Enamel Finish, Add</i>	343.76	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-52.98	
			<i>For >100, Deduct</i>	-77.32	
			<i>For 2" Thick Door, Add</i>	62.38	
			<i>For Insulated Door (Polystyrene Core), Add</i>	80.09	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	200.23	
			<i>For Seamless Edge (Welded), Add</i>	100.12	
			<i>For Steel Stiffened, Add</i>	200.23	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0128	PR	Pair 3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,064.39	89.82
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	265.43	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	353.90	
			For Composite Door Instead Of Full Panel Door, Add	39.81	
			For Type 304 Stainless Steel Door, Add	716.78	
			For Type 316 Stainless Steel Door, Add	1,159.16	
			For Embossed Panel, Add	212.34	
			For Galvanized Steel, Add	132.71	
			For Baked Enamel Finish, Add	373.21	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-57.71	
			For >100, Deduct	-84.32	
			For 2" Thick Door, Add	68.64	
			For Insulated Door (Polystyrene Core), Add	88.48	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	221.19	
			For Seamless Edge (Welded), Add	110.59	
			For Steel Stiffened, Add	221.19	
08 13 13	13-0129	PR	Pair 4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,171.90	97.01
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	293.36	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	391.15	
			For Composite Door Instead Of Full Panel Door, Add	44.00	
			For Type 304 Stainless Steel Door, Add	792.01	
			For Type 316 Stainless Steel Door, Add	1,280.95	
			For Embossed Panel, Add	234.69	
			For Galvanized Steel, Add	146.68	
			For Baked Enamel Finish, Add	409.78	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-63.45	
			For >100, Deduct	-92.74	
			For 2" Thick Door, Add	75.75	
			For Insulated Door (Polystyrene Core), Add	97.79	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	244.47	
			For Seamless Edge (Welded), Add	122.24	
			For Steel Stiffened, Add	244.47	
08 13 13	13-0130		7'-2" High (08 13 13 13-0101)		
08 13 13	13-0131	EA	2' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	474.24	41.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	117.31	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	156.41	
			For Composite Door Instead Of Full Panel Door, Add	17.60	
			For Type 304 Stainless Steel Door, Add	316.98	
			For Type 316 Stainless Steel Door, Add	512.50	
			For Embossed Panel, Add	93.85	
			For Galvanized Steel, Add	58.65	
			For Baked Enamel Finish, Add	167.24	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-25.79	
			For >100, Deduct	-37.65	
			For 2" Thick Door, Add	30.43	
			For Insulated Door (Polystyrene Core), Add	39.10	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.76	
			For Seamless Edge (Welded), Add	48.88	
			For Steel Stiffened, Add	97.76	
08 13 13	13-0132	EA	2'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	474.24	41.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	117.31	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	156.41	
			For Composite Door Instead Of Full Panel Door, Add	17.60	
			For Type 304 Stainless Steel Door, Add	316.98	
			For Type 316 Stainless Steel Door, Add	512.50	
			For Embossed Panel, Add	93.85	
			For Galvanized Steel, Add	58.65	
			For Baked Enamel Finish, Add	167.24	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-25.79	
			For >100, Deduct	-37.65	
			For 2" Thick Door, Add	30.43	
			For Insulated Door (Polystyrene Core), Add	39.10	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.76	
			For Seamless Edge (Welded), Add	48.88	
			For Steel Stiffened, Add	97.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0133	EA		2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	486.02	43.50
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	119.71	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	159.61	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.96	
				<i>For Type 304 Stainless Steel Door, Add</i>	323.57	
				<i>For Type 316 Stainless Steel Door, Add</i>	523.09	
				<i>For Embossed Panel, Add</i>	95.77	
				<i>For Galvanized Steel, Add</i>	59.85	
				<i>For Baked Enamel Finish, Add</i>	171.90	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-26.48	
				<i>For >100, Deduct</i>	-38.63	
				<i>For 2" Thick Door, Add</i>	31.10	
				<i>For Insulated Door (Polystyrene Core), Add</i>	39.90	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	99.76	
				<i>For Seamless Edge (Welded), Add</i>	49.88	
				<i>For Steel Stiffened, Add</i>	99.76	
08 13 13	13-0134	EA		2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	491.98	43.50
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	121.50	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	162.00	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.22	
				<i>For Type 304 Stainless Steel Door, Add</i>	328.34	
				<i>For Type 316 Stainless Steel Door, Add</i>	530.84	
				<i>For Embossed Panel, Add</i>	97.20	
				<i>For Galvanized Steel, Add</i>	60.75	
				<i>For Baked Enamel Finish, Add</i>	173.69	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-26.77	
				<i>For >100, Deduct</i>	-39.07	
				<i>For 2" Thick Door, Add</i>	31.54	
				<i>For Insulated Door (Polystyrene Core), Add</i>	40.50	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	101.25	
				<i>For Seamless Edge (Welded), Add</i>	50.62	
				<i>For Steel Stiffened, Add</i>	101.25	
08 13 13	13-0135	EA		3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	500.52	45.39
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	122.93	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	163.90	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.44	
				<i>For Type 304 Stainless Steel Door, Add</i>	332.34	
				<i>For Type 316 Stainless Steel Door, Add</i>	537.21	
				<i>For Embossed Panel, Add</i>	98.34	
				<i>For Galvanized Steel, Add</i>	61.46	
				<i>For Baked Enamel Finish, Add</i>	177.39	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-27.30	
				<i>For >100, Deduct</i>	-39.81	
				<i>For 2" Thick Door, Add</i>	31.98	
				<i>For Insulated Door (Polystyrene Core), Add</i>	40.98	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	102.44	
				<i>For Seamless Edge (Welded), Add</i>	51.22	
				<i>For Steel Stiffened, Add</i>	102.44	
08 13 13	13-0136	EA		3'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	531.49	45.39
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	132.22	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	176.29	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	19.83	
				<i>For Type 304 Stainless Steel Door, Add</i>	357.11	
				<i>For Type 316 Stainless Steel Door, Add</i>	577.47	
				<i>For Embossed Panel, Add</i>	105.77	
				<i>For Galvanized Steel, Add</i>	66.11	
				<i>For Baked Enamel Finish, Add</i>	186.68	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-28.84	
				<i>For >100, Deduct</i>	-42.13	
				<i>For 2" Thick Door, Add</i>	34.22	
				<i>For Insulated Door (Polystyrene Core), Add</i>	44.07	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	110.18	
				<i>For Seamless Edge (Welded), Add</i>	55.09	
				<i>For Steel Stiffened, Add</i>	110.18	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0137	EA	3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	547.19	47.27
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	135.79	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	181.05	
			For Composite Door Instead Of Full Panel Door, Add	20.37	
			For Type 304 Stainless Steel Door, Add	366.83	
			For Type 316 Stainless Steel Door, Add	593.15	
			For Embossed Panel, Add	108.63	
			For Galvanized Steel, Add	67.89	
			For Baked Enamel Finish, Add	192.53	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.72	
			For >100, Deduct	-43.40	
			For 2" Thick Door, Add	35.18	
			For Insulated Door (Polystyrene Core), Add	45.26	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	113.16	
			For Seamless Edge (Welded), Add	56.58	
			For Steel Stiffened, Add	113.16	
08 13 13	13-0138	EA	4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	602.40	51.06
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	150.08	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	200.11	
			For Composite Door Instead Of Full Panel Door, Add	22.51	
			For Type 304 Stainless Steel Door, Add	405.33	
			For Type 316 Stainless Steel Door, Add	655.47	
			For Embossed Panel, Add	120.07	
			For Galvanized Steel, Add	75.04	
			For Baked Enamel Finish, Add	211.36	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-32.67	
			For >100, Deduct	-47.73	
			For 2" Thick Door, Add	38.82	
			For Insulated Door (Polystyrene Core), Add	50.03	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	125.07	
			For Seamless Edge (Welded), Add	62.54	
			For Steel Stiffened, Add	125.07	
08 13 13	13-0139	PR	Pair 2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	963.33	82.64
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	239.42	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	319.22	
			For Composite Door Instead Of Full Panel Door, Add	35.91	
			For Type 304 Stainless Steel Door, Add	646.71	
			For Type 316 Stainless Steel Door, Add	1,045.74	
			For Embossed Panel, Add	191.53	
			For Galvanized Steel, Add	119.71	
			For Baked Enamel Finish, Add	338.58	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-52.30	
			For >100, Deduct	-76.38	
			For 2" Thick Door, Add	61.99	
			For Insulated Door (Polystyrene Core), Add	79.81	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	199.52	
			For Seamless Edge (Welded), Add	99.76	
			For Steel Stiffened, Add	199.52	
08 13 13	13-0140	PR	Pair 2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	975.24	82.64
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	242.99	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	323.99	
			For Composite Door Instead Of Full Panel Door, Add	36.45	
			For Type 304 Stainless Steel Door, Add	656.24	
			For Type 316 Stainless Steel Door, Add	1,061.22	
			For Embossed Panel, Add	194.39	
			For Galvanized Steel, Add	121.50	
			For Baked Enamel Finish, Add	342.15	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-52.89	
			For >100, Deduct	-77.27	
			For 2" Thick Door, Add	62.85	
			For Insulated Door (Polystyrene Core), Add	81.00	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	202.49	
			For Seamless Edge (Welded), Add	101.25	
			For Steel Stiffened, Add	202.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0141	PR			Pair 3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	991.96	86.23
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	245.85	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	327.80	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	36.88	
				<i>For Type 304 Stainless Steel Door, Add</i>	664.22	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,073.97	
				<i>For Embossed Panel, Add</i>	196.68	
				<i>For Galvanized Steel, Add</i>	122.93	
				<i>For Baked Enamel Finish, Add</i>	349.33	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-53.91	
				<i>For >100, Deduct</i>	-78.71	
				<i>For 2" Thick Door, Add</i>	63.73	
				<i>For Insulated Door (Polystyrene Core), Add</i>	81.95	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	204.88	
				<i>For Seamless Edge (Welded), Add</i>	102.44	
				<i>For Steel Stiffened, Add</i>	204.88	
08 13 13 13-0142	PR			Pair 3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,084.90	89.82
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	271.58	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	362.10	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	40.74	
				<i>For Type 304 Stainless Steel Door, Add</i>	733.19	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,185.82	
				<i>For Embossed Panel, Add</i>	217.26	
				<i>For Galvanized Steel, Add</i>	135.79	
				<i>For Baked Enamel Finish, Add</i>	379.36	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-58.74	
				<i>For >100, Deduct</i>	-85.86	
				<i>For 2" Thick Door, Add</i>	70.12	
				<i>For Insulated Door (Polystyrene Core), Add</i>	90.53	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	226.32	
				<i>For Seamless Edge (Welded), Add</i>	113.16	
				<i>For Steel Stiffened, Add</i>	226.32	
08 13 13 13-0143	PR			Pair 4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,194.57	97.01
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	300.17	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	400.22	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	45.02	
				<i>For Type 304 Stainless Steel Door, Add</i>	810.14	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,310.42	
				<i>For Embossed Panel, Add</i>	240.13	
				<i>For Galvanized Steel, Add</i>	150.08	
				<i>For Baked Enamel Finish, Add</i>	416.58	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-64.58	
				<i>For >100, Deduct</i>	-94.44	
				<i>For 2" Thick Door, Add</i>	77.39	
				<i>For Insulated Door (Polystyrene Core), Add</i>	100.06	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	250.14	
				<i>For Seamless Edge (Welded), Add</i>	125.07	
				<i>For Steel Stiffened, Add</i>	250.14	

08 13 13 13-0144 8' High (08 13 13 13-0101)

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0145	EA	2' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	547.32	41.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	139.23	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	185.64	
			For Up To 1' Extra Height, Add	128.42	
			For Composite Door Instead Of Full Panel Door, Add	20.88	
			For Type 304 Stainless Steel Door, Add	375.45	
			For Type 316 Stainless Steel Door, Add	607.50	
			For Embossed Panel, Add	111.39	
			For Galvanized Steel, Add	69.62	
			For Baked Enamel Finish, Add	189.16	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.45	
			For >100, Deduct	-43.13	
			For 2" Thick Door, Add	35.73	
			For Insulated Door (Polystyrene Core), Add	46.41	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.03	
			For Seamless Edge (Welded), Add	58.01	
			For Steel Stiffened, Add	116.03	
08 13 13	13-0146	EA	2'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	547.32	41.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	139.23	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	185.64	
			For Up To 1' Extra Height, Add	128.42	
			For Composite Door Instead Of Full Panel Door, Add	20.88	
			For Type 304 Stainless Steel Door, Add	375.45	
			For Type 316 Stainless Steel Door, Add	607.50	
			For Embossed Panel, Add	111.39	
			For Galvanized Steel, Add	69.62	
			For Baked Enamel Finish, Add	189.16	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.45	
			For >100, Deduct	-43.13	
			For 2" Thick Door, Add	35.73	
			For Insulated Door (Polystyrene Core), Add	46.41	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.03	
			For Seamless Edge (Welded), Add	58.01	
			For Steel Stiffened, Add	116.03	
08 13 13	13-0147	EA	2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	560.60	43.50
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	142.08	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	189.44	
			For Up To 1' Extra Height, Add	131.05	
			For Composite Door Instead Of Full Panel Door, Add	21.31	
			For Type 304 Stainless Steel Door, Add	383.24	
			For Type 316 Stainless Steel Door, Add	620.04	
			For Embossed Panel, Add	113.67	
			For Galvanized Steel, Add	71.04	
			For Baked Enamel Finish, Add	194.28	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.20	
			For >100, Deduct	-44.22	
			For 2" Thick Door, Add	36.51	
			For Insulated Door (Polystyrene Core), Add	47.36	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	118.40	
			For Seamless Edge (Welded), Add	59.20	
			For Steel Stiffened, Add	118.40	
08 13 13	13-0148	EA	2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	567.67	43.50
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	144.20	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	192.27	
			For Up To 1' Extra Height, Add	133.00	
			For Composite Door Instead Of Full Panel Door, Add	21.63	
			For Type 304 Stainless Steel Door, Add	388.89	
			For Type 316 Stainless Steel Door, Add	629.23	
			For Embossed Panel, Add	115.36	
			For Galvanized Steel, Add	72.10	
			For Baked Enamel Finish, Add	196.40	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.56	
			For >100, Deduct	-44.75	
			For 2" Thick Door, Add	37.02	
			For Insulated Door (Polystyrene Core), Add	48.07	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	120.17	
			For Seamless Edge (Welded), Add	60.09	
			For Steel Stiffened, Add	120.17	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0149 EA 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	577.10	45.39
For 16 Gauge, Grade III, Extra Heavy Duty, Add	145.90	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	194.53	
For Up To 1' Extra Height, Add	134.57	
For Composite Door Instead Of Full Panel Door, Add	21.88	
For Type 304 Stainless Steel Door, Add	393.60	
For Type 316 Stainless Steel Door, Add	636.77	
For Embossed Panel, Add	116.72	
For Galvanized Steel, Add	72.95	
For Baked Enamel Finish, Add	200.36	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.12	
For >100, Deduct	-45.55	
For 2" Thick Door, Add	37.53	
For Insulated Door (Polystyrene Core), Add	48.63	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	121.58	
For Seamless Edge (Welded), Add	60.79	
For Steel Stiffened, Add	121.58	
08 13 13 13-0150 EA 3'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	613.86	45.39
For 16 Gauge, Grade III, Extra Heavy Duty, Add	156.93	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	209.24	
For Up To 1' Extra Height, Add	144.74	
For Composite Door Instead Of Full Panel Door, Add	23.54	
For Type 304 Stainless Steel Door, Add	423.01	
For Type 316 Stainless Steel Door, Add	684.56	
For Embossed Panel, Add	125.54	
For Galvanized Steel, Add	78.46	
For Baked Enamel Finish, Add	211.39	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.96	
For >100, Deduct	-48.31	
For 2" Thick Door, Add	40.19	
For Insulated Door (Polystyrene Core), Add	52.31	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.77	
For Seamless Edge (Welded), Add	65.39	
For Steel Stiffened, Add	130.77	
08 13 13 13-0151 EA 3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	631.79	47.27
For 16 Gauge, Grade III, Extra Heavy Duty, Add	161.17	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	214.89	
For Up To 1' Extra Height, Add	148.65	
For 1' To 1'-6" Extra Height, Add	283.60	
For Composite Door Instead Of Full Panel Door, Add	24.18	
For Type 304 Stainless Steel Door, Add	434.51	
For Type 316 Stainless Steel Door, Add	703.13	
For Embossed Panel, Add	128.94	
For Galvanized Steel, Add	80.58	
For Baked Enamel Finish, Add	217.91	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-33.95	
For >100, Deduct	-49.75	
For 2" Thick Door, Add	41.31	
For Insulated Door (Polystyrene Core), Add	53.72	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	134.31	
For Seamless Edge (Welded), Add	67.15	
For Steel Stiffened, Add	134.31	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0152	EA	4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	695.89	51.06
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	178.13	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	237.51	
		For Up To 1' Extra Height, Add	164.30	
		For 1' To 1'-6" Extra Height, Add	313.45	
		For Composite Door Instead Of Full Panel Door, Add	26.72	
		For Type 304 Stainless Steel Door, Add	480.12	
		For Type 316 Stainless Steel Door, Add	777.01	
		For Embossed Panel, Add	142.50	
		For Galvanized Steel, Add	89.07	
		For Baked Enamel Finish, Add	239.40	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-37.35	
		For >100, Deduct	-54.74	
		For 2" Thick Door, Add	45.60	
		For Insulated Door (Polystyrene Core), Add	59.38	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.44	
		For Seamless Edge (Welded), Add	74.22	
		For Steel Stiffened, Add	148.44	
08 13 13 13-0153	PR	Pair 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,112.48	82.64
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	284.16	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	378.88	
		For Up To 1' Extra Height, Add	262.09	
		For Composite Door Instead Of Full Panel Door, Add	42.62	
		For Type 304 Stainless Steel Door, Add	766.03	
		For Type 316 Stainless Steel Door, Add	1,239.64	
		For Embossed Panel, Add	227.33	
		For Galvanized Steel, Add	142.08	
		For Baked Enamel Finish, Add	383.33	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-59.76	
		For >100, Deduct	-87.57	
		For 2" Thick Door, Add	72.80	
		For Insulated Door (Polystyrene Core), Add	94.72	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	236.80	
		For Seamless Edge (Welded), Add	118.40	
		For Steel Stiffened, Add	236.80	
08 13 13 13-0154	PR	Pair 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,126.62	82.64
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	288.41	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	384.54	
		For Up To 1' Extra Height, Add	266.01	
		For Composite Door Instead Of Full Panel Door, Add	43.26	
		For Type 304 Stainless Steel Door, Add	777.34	
		For Type 316 Stainless Steel Door, Add	1,258.02	
		For Embossed Panel, Add	230.72	
		For Galvanized Steel, Add	144.20	
		For Baked Enamel Finish, Add	387.57	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-60.46	
		For >100, Deduct	-88.63	
		For 2" Thick Door, Add	73.83	
		For Insulated Door (Polystyrene Core), Add	96.14	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	240.34	
		For Seamless Edge (Welded), Add	120.17	
		For Steel Stiffened, Add	240.34	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0155 PR Pair 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,145.12	86.23
For 16 Gauge, Grade III, Extra Heavy Duty, Add	291.80	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	389.06	
For Up To 1' Extra Height, Add	269.14	
For 1' To 1'-6" Extra Height, Add	513.47	
For Composite Door Instead Of Full Panel Door, Add	43.77	
For Type 304 Stainless Steel Door, Add	786.75	
For Type 316 Stainless Steel Door, Add	1,273.08	
For Embossed Panel, Add	233.44	
For Galvanized Steel, Add	145.90	
For Baked Enamel Finish, Add	395.27	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-61.57	
For >100, Deduct	-90.20	
For 2" Thick Door, Add	74.83	
For Insulated Door (Polystyrene Core), Add	97.27	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	243.17	
For Seamless Edge (Welded), Add	121.58	
For Steel Stiffened, Add	243.17	
08 13 13 13-0156 PR Pair 3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,254.09	89.82
For 16 Gauge, Grade III, Extra Heavy Duty, Add	322.34	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	429.78	
For Up To 1' Extra Height, Add	297.30	
For 1' To 1'-6" Extra Height, Add	567.20	
For Composite Door Instead Of Full Panel Door, Add	48.35	
For Type 304 Stainless Steel Door, Add	868.54	
For Type 316 Stainless Steel Door, Add	1,405.77	
For Embossed Panel, Add	257.87	
For Galvanized Steel, Add	161.17	
For Baked Enamel Finish, Add	430.12	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-67.20	
For >100, Deduct	-98.55	
For 2" Thick Door, Add	82.39	
For Insulated Door (Polystyrene Core), Add	107.45	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	268.61	
For Seamless Edge (Welded), Add	134.31	
For Steel Stiffened, Add	268.61	
08 13 13 13-0157 PR Pair 4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,381.57	97.01
For 1' To 1'-6" Extra Height, Add	626.91	
For Seamless Edge (Welded), Add	148.44	
For Steel Stiffened, Add	296.89	
08 13 13 53 Custom Hollow Metal Doors (08 13 13)		
08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)		
08 13 13 53-0002 EA 2'-2" Or 2'-4" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head	1,016.48	94.56
For 16 Gauge Door, Add	20.30	
08 13 13 53-0003 EA 2'-6" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head	1,067.57	113.46
For 16 Gauge Door, Add	20.30	
08 13 73 Sliding Metal Doors (08 13)		
08 13 73 00-0001 Sliding Bypass Mirror Doors (08 13 73)		
Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002 EA 4' x 6' 8", Sliding Bypass Mirror Doors	272.33	56.73
08 13 73 00-0003 EA 5' x 6' 8", Sliding Bypass Mirror Doors	307.52	60.52
08 13 73 00-0004 EA 6' x 6' 8", Sliding Bypass Mirror Doors	342.72	64.29
08 13 73 00-0005 EA 8' x 6' 8", Sliding Bypass Mirror Doors	405.55	68.08
08 14 Wood Doors (08 10)		
Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 16 Flush Wood Doors (08 14)		
08 14 16 00-0001 Hollow Core Doors, 1-3/8" Thick (08 14 16)		
08 14 16 00-0002 Birch Faced (08 14 16 00-0001)		
08 14 16 00-0003 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	185.54	41.60
For Each 1' Of Additional Door Height, Add	24.56	
For >50 To 100, Deduct	-11.36	
For >100, Deduct	-16.00	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0004	EA		2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	196.58	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	26.30	
			<i>For >50 To 100, Deduct</i>	-12.00	
			<i>For >100, Deduct</i>	-16.92	
08 14 16 00-0005	EA		2'-8" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	201.91	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	27.58	
			<i>For >50 To 100, Deduct</i>	-12.27	
			<i>For >100, Deduct</i>	-17.32	
08 14 16 00-0006	EA		3' x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	207.56	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	28.03	
			<i>For >50 To 100, Deduct</i>	-12.65	
			<i>For >100, Deduct</i>	-17.84	
08 14 16 00-0007	EA		3'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	218.96	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	30.77	
			<i>For >50 To 100, Deduct</i>	-13.22	
			<i>For >100, Deduct</i>	-18.69	
08 14 16 00-0008	EA		3'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	230.96	47.27
			<i>For Each 1' Of Additional Door Height, Add</i>	32.74	
			<i>For >50 To 100, Deduct</i>	-13.91	
			<i>For >100, Deduct</i>	-19.69	
08 14 16 00-0009	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	362.76	79.05
			<i>For Each 1' Of Additional Door Height, Add</i>	49.12	
			<i>For >50 To 100, Deduct</i>	-22.09	
			<i>For >100, Deduct</i>	-31.16	
08 14 16 00-0010	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	384.44	82.64
			<i>For Each 1' Of Additional Door Height, Add</i>	52.60	
			<i>For >50 To 100, Deduct</i>	-23.35	
			<i>For >100, Deduct</i>	-32.96	
08 14 16 00-0011	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	406.03	86.23
			<i>For Each 1' Of Additional Door Height, Add</i>	56.06	
			<i>For >50 To 100, Deduct</i>	-24.61	
			<i>For >100, Deduct</i>	-34.76	
08 14 16 00-0012			Lauan Faced <small>(08 14 16 00-0001)</small>		
08 14 16 00-0013	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	159.72	41.60
			<i>For Each 1' Of Additional Door Height, Add</i>	18.36	
			<i>For >50 To 100, Deduct</i>	-10.07	
			<i>For >100, Deduct</i>	-14.06	
08 14 16 00-0014	EA		2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	168.69	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	19.61	
			<i>For >50 To 100, Deduct</i>	-10.61	
			<i>For >100, Deduct</i>	-14.83	
08 14 16 00-0015	EA		2'-8" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	173.07	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	20.66	
			<i>For >50 To 100, Deduct</i>	-10.83	
			<i>For >100, Deduct</i>	-15.16	
08 14 16 00-0016	EA		3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	179.93	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	21.40	
			<i>For >50 To 100, Deduct</i>	-11.27	
			<i>For >100, Deduct</i>	-15.76	
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	188.46	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	23.45	
			<i>For >50 To 100, Deduct</i>	-11.69	
			<i>For >100, Deduct</i>	-16.40	
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	198.50	47.27
			<i>For Each 1' Of Additional Door Height, Add</i>	24.95	
			<i>For >50 To 100, Deduct</i>	-12.29	
			<i>For >100, Deduct</i>	-17.25	
08 14 16 00-0019	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	311.12	79.05
			<i>For Each 1' Of Additional Door Height, Add</i>	36.73	
			<i>For >50 To 100, Deduct</i>	-19.51	
			<i>For >100, Deduct</i>	-27.29	
08 14 16 00-0020	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	328.69	82.64
			<i>For Each 1' Of Additional Door Height, Add</i>	39.22	
			<i>For >50 To 100, Deduct</i>	-20.57	
			<i>For >100, Deduct</i>	-28.78	
08 14 16 00-0021	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	350.82	86.23
			<i>For Each 1' Of Additional Door Height, Add</i>	42.81	
			<i>For >50 To 100, Deduct</i>	-21.85	
			<i>For >100, Deduct</i>	-30.62	
08 14 16 00-0022			Tempered Hardboard Faced <small>(08 14 16 00-0001)</small>		
08 14 16 00-0023	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	161.79	41.60
			<i>For Each 1' Of Additional Door Height, Add</i>	18.86	
			<i>For >50 To 100, Deduct</i>	-10.17	
			<i>For >100, Deduct</i>	-14.21	
08 14 16 00-0024	EA		2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	171.30	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	20.23	
			<i>For >50 To 100, Deduct</i>	-10.74	
			<i>For >100, Deduct</i>	-15.02	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0025 EA 2'-8" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	174.02 20.89 -10.88 -15.23	43.50
08 14 16 00-0026 EA 3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	183.24 22.19 -11.43 -16.01	45.39
08 14 16 00-0027 EA 3'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	193.41 24.63 -11.94 -16.78	45.39
08 14 16 00-0028 EA 3'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	203.76 26.21 -12.55 -17.65	47.27
08 14 16 00-0029 PR Pair 2' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	315.27 37.72 -19.72 -27.60	79.05
08 14 16 00-0030 PR Pair 2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	333.89 40.47 -20.83 -29.17	82.64
08 14 16 00-0031 PR Pair 3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	357.41 44.39 -22.18 -31.12	86.23
08 14 16 00-0032 Solid Core Doors, 1-3/8" Thick, 5 Ply <small>(08 14 16)</small>		
08 14 16 00-0033 Birch Faced <small>(08 14 16 00-0032)</small>		
08 14 16 00-0034 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door <i>For 7 Ply Core, Add</i> <i>For Solid Wood Staved Core (Glued Block), Add</i> <i>Note: Not used in conjunction with fire rating >20 minutes.</i> <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	213.51 19.55 32.58 35.00 31.27 -12.76 -18.09	41.60
08 14 16 00-0035 EA 2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door <i>For 7 Ply Core, Add</i> <i>For Solid Wood Staved Core (Glued Block), Add</i> <i>Note: Not used in conjunction with fire rating >20 minutes.</i> <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	224.13 20.57 34.29 35.00 32.91 -13.38 -18.98	43.50
08 14 16 00-0036 EA 2'-8" x 7' x 1-3/8" Solid Core, Birch Faced Door <i>For 7 Ply Core, Add</i> <i>For Solid Wood Staved Core (Glued Block), Add</i> <i>Note: Not used in conjunction with fire rating >20 minutes.</i> <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	230.97 21.60 36.00 35.00 34.56 -13.72 -19.50	43.50
08 14 16 00-0037 EA 3' x 7' x 1-3/8" Solid Core, Birch Faced Door <i>For 7 Ply Core, Add</i> <i>For Solid Wood Staved Core (Glued Block), Add</i> <i>Note: Not used in conjunction with fire rating >20 minutes.</i> <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	243.10 22.85 38.08 35.00 36.56 -14.42 -20.50	45.39
08 14 16 00-0038 EA 3'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door <i>For 7 Ply Core, Add</i> <i>For Solid Wood Staved Core (Glued Block), Add</i> <i>Note: Not used in conjunction with fire rating >20 minutes.</i> <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	259.82 25.36 42.26 35.00 40.57 -15.26 -21.76	45.39
08 14 16 00-0039 EA 3'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door <i>For 7 Ply Core, Add</i> <i>For Solid Wood Staved Core (Glued Block), Add</i> <i>Note: Not used in conjunction with fire rating >20 minutes.</i> <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	274.42 26.98 44.97 35.00 43.17 -16.09 -22.95	47.27

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0040	PR		Pair 2' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	418.68	79.05
			For 7 Ply Core, Add	39.09	
			For Solid Wood Staved Core (Glued Block), Add	65.15	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	62.54	
			For >50 To 100, Deduct	-24.89	
			For >100, Deduct	-35.35	
08 14 16 00-0041	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door	439.55	82.64
			For 7 Ply Core, Add	41.14	
			For Solid Wood Staved Core (Glued Block), Add	68.57	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	65.83	
			For >50 To 100, Deduct	-26.11	
			For >100, Deduct	-37.10	
08 14 16 00-0042	PR		Pair 3' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	477.12	86.23
			For 7 Ply Core, Add	45.70	
			For Solid Wood Staved Core (Glued Block), Add	76.17	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	73.12	
			For >50 To 100, Deduct	-28.17	
			For >100, Deduct	-40.10	
08 14 16 00-0043			Lauan Faced <small>(08 14 16 00-0032)</small>		
08 14 16 00-0044	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	180.25	41.60
			For 7 Ply Core, Add	14.56	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	23.29	
			For >50 To 100, Deduct	-11.09	
			For >100, Deduct	-15.60	
08 14 16 00-0045	EA		2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	189.34	43.50
			For 7 Ply Core, Add	15.35	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	24.56	
			For >50 To 100, Deduct	-11.64	
			For >100, Deduct	-16.38	
08 14 16 00-0046	EA		2'-8" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	194.69	43.50
			For 7 Ply Core, Add	16.16	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	25.85	
			For >50 To 100, Deduct	-11.91	
			For >100, Deduct	-16.78	
08 14 16 00-0047	EA		3' x 7' x 1-3/8" Solid Core, Lauan Faced Door	203.85	45.39
			For 7 Ply Core, Add	16.96	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	27.14	
			For >50 To 100, Deduct	-12.46	
			For >100, Deduct	-17.56	
08 14 16 00-0048	EA		3'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	216.29	45.39
			For 7 Ply Core, Add	18.83	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	30.12	
			For >50 To 100, Deduct	-13.08	
			For >100, Deduct	-18.49	
08 14 16 00-0049	EA		3'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	229.90	47.27
			For 7 Ply Core, Add	20.30	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	32.48	
			For >50 To 100, Deduct	-13.86	
			For >100, Deduct	-19.61	
08 14 16 00-0050	PR		Pair 2' x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	352.17	79.05
			For 7 Ply Core, Add	29.11	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	46.58	
			For >50 To 100, Deduct	-21.56	
			For >100, Deduct	-30.37	
08 14 16 00-0051	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door	369.98	82.64
			For 7 Ply Core, Add	30.71	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	49.13	
			For >50 To 100, Deduct	-22.63	
			For >100, Deduct	-31.88	
08 14 16 00-0052	PR		Pair 3' x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	398.63	86.23
			For 7 Ply Core, Add	33.93	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	54.28	
			For >50 To 100, Deduct	-24.24	
			For >100, Deduct	-34.21	
08 14 16 00-0053			Tempered Hardboard Faced <small>(08 14 16 00-0032)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0054	EA			2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	192.79	41.60
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	26.30	
				For >50 To 100, Deduct	-11.72	
				For >100, Deduct	-16.54	
08 14 16 00-0055	EA			2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	202.94	43.50
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	27.83	
				For >50 To 100, Deduct	-12.32	
				For >100, Deduct	-17.40	
08 14 16 00-0056	EA			2'-8" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	209.28	43.50
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	29.35	
				For >50 To 100, Deduct	-12.64	
				For >100, Deduct	-17.87	
08 14 16 00-0057	EA			3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	215.41	45.39
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	29.91	
				For >50 To 100, Deduct	-13.04	
				For >100, Deduct	-18.43	
08 14 16 00-0058	EA			3'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	229.16	45.39
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	33.21	
				For >50 To 100, Deduct	-13.73	
				For >100, Deduct	-19.46	
08 14 16 00-0059	EA			3'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	258.03	47.27
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	39.23	
				For >50 To 100, Deduct	-15.27	
				For >100, Deduct	-21.72	
08 14 16 00-0060	PR			Pair 2' x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	377.26	79.05
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	52.60	
				For >50 To 100, Deduct	-22.82	
				For >100, Deduct	-32.25	
08 14 16 00-0061	PR			Pair 2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	397.14	82.64
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	55.65	
				For >50 To 100, Deduct	-23.99	
				For >100, Deduct	-33.92	
08 14 16 00-0062	PR			Pair 3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	421.75	86.23
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	59.83	
				For >50 To 100, Deduct	-25.40	
				For >100, Deduct	-35.94	
08 14 16 00-0063				Plastic Laminated Wood Doors (08 14 16 00-0032)		
08 14 16 00-0064	EA			2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	310.17	41.60
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	54.47	
				For >50 To 100, Deduct	-17.59	
				For >100, Deduct	-25.34	
08 14 16 00-0065	EA			2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	326.44	43.50
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	57.47	
				For >50 To 100, Deduct	-18.50	
				For >100, Deduct	-26.66	
08 14 16 00-0066	EA			2'-8" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	338.92	43.50
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	60.46	
				For >50 To 100, Deduct	-19.12	
				For >100, Deduct	-27.59	
08 14 16 00-0067	EA			3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	355.26	45.39
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	63.48	
				For >50 To 100, Deduct	-20.03	
				For >100, Deduct	-28.91	
08 14 16 00-0068	EA			3'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	384.35	45.39
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	70.46	
				For >50 To 100, Deduct	-21.49	
				For >100, Deduct	-31.10	
08 14 16 00-0069	EA			3'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	406.92	47.27
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	74.97	
				For >50 To 100, Deduct	-22.71	
				For >100, Deduct	-32.88	
08 14 16 00-0070	PR			Pair 2' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	612.04	79.05
				For Machining for Mortise Lock, Add	35.00	
				For Each 1' Of Additional Door Height, Add	108.95	
				For >50 To 100, Deduct	-34.55	
				For >100, Deduct	-49.86	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0071	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	644.13	82.64
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	114.93	
			<i>For >50 To 100, Deduct</i>	-36.34	
			<i>For >100, Deduct</i>	-52.44	
08 14 16 00-0072	PR		Pair 3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	701.45	86.23
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	126.96	
			<i>For >50 To 100, Deduct</i>	-39.38	
			<i>For >100, Deduct</i>	-56.92	
08 14 16 00-0073			Hollow Core Doors, 1-3/4" Thick (08 14 16)		
08 14 16 00-0074			Birch Faced (08 14 16 00-0073)		
08 14 16 00-0075	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	211.12	41.60
			<i>For Each 1' Of Additional Door Height, Add</i>	30.70	
			<i>For >50 To 100, Deduct</i>	-12.64	
			<i>For >100, Deduct</i>	-17.91	
08 14 16 00-0076	EA		2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	219.71	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	31.85	
			<i>For >50 To 100, Deduct</i>	-13.16	
			<i>For >100, Deduct</i>	-18.65	
08 14 16 00-0077	EA		2'-8" x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	221.51	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	32.28	
			<i>For >50 To 100, Deduct</i>	-13.25	
			<i>For >100, Deduct</i>	-18.79	
08 14 16 00-0078	EA		3' x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	233.15	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	34.17	
			<i>For >50 To 100, Deduct</i>	-13.93	
			<i>For >100, Deduct</i>	-19.76	
08 14 16 00-0079	EA		3'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	254.04	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	39.18	
			<i>For >50 To 100, Deduct</i>	-14.97	
			<i>For >100, Deduct</i>	-21.32	
08 14 16 00-0080	EA		3'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	300.21	47.27
			<i>For Each 1' Of Additional Door Height, Add</i>	49.36	
			<i>For >50 To 100, Deduct</i>	-17.37	
			<i>For >100, Deduct</i>	-24.88	
08 14 16 00-0081	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	413.91	79.05
			<i>For Each 1' Of Additional Door Height, Add</i>	61.40	
			<i>For >50 To 100, Deduct</i>	-24.65	
			<i>For >100, Deduct</i>	-35.00	
08 14 16 00-0082	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	430.74	82.64
			<i>For Each 1' Of Additional Door Height, Add</i>	63.71	
			<i>For >50 To 100, Deduct</i>	-25.67	
			<i>For >100, Deduct</i>	-36.44	
08 14 16 00-0083	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	457.23	86.23
			<i>For Each 1' Of Additional Door Height, Add</i>	68.34	
			<i>For >50 To 100, Deduct</i>	-27.17	
			<i>For >100, Deduct</i>	-38.60	
08 14 16 00-0084			Lauan Faced (08 14 16 00-0073)		
08 14 16 00-0085	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	180.41	41.60
			<i>For Each 1' Of Additional Door Height, Add</i>	23.33	
			<i>For >50 To 100, Deduct</i>	-11.10	
			<i>For >100, Deduct</i>	-15.61	
08 14 16 00-0086	EA		2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	190.88	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	24.93	
			<i>For >50 To 100, Deduct</i>	-11.72	
			<i>For >100, Deduct</i>	-16.49	
08 14 16 00-0087	EA		2'-8" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	196.32	43.50
			<i>For Each 1' Of Additional Door Height, Add</i>	26.24	
			<i>For >50 To 100, Deduct</i>	-11.99	
			<i>For >100, Deduct</i>	-16.90	
08 14 16 00-0088	EA		3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	202.25	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	26.76	
			<i>For >50 To 100, Deduct</i>	-12.38	
			<i>For >100, Deduct</i>	-17.44	
08 14 16 00-0089	EA		3'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	214.51	45.39
			<i>For Each 1' Of Additional Door Height, Add</i>	29.70	
			<i>For >50 To 100, Deduct</i>	-12.99	
			<i>For >100, Deduct</i>	-18.36	
08 14 16 00-0090	EA		3'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	234.08	47.27
			<i>For Each 1' Of Additional Door Height, Add</i>	33.48	
			<i>For >50 To 100, Deduct</i>	-14.07	
			<i>For >100, Deduct</i>	-19.92	
08 14 16 00-0091	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	352.48	79.05
			<i>For Each 1' Of Additional Door Height, Add</i>	46.65	
			<i>For >50 To 100, Deduct</i>	-21.58	
			<i>For >100, Deduct</i>	-30.39	
08 14 16 00-0092	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	373.08	82.64
			<i>For Each 1' Of Additional Door Height, Add</i>	49.87	
			<i>For >50 To 100, Deduct</i>	-22.79	
			<i>For >100, Deduct</i>	-32.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0093	PR			Pair 3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	395.40 53.51 -24.08 -33.97	86.23
08 14 16 00-0094 Tempered Hardboard <small>(08 14 16 00-0073)</small>						
08 14 16 00-0095	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	181.12 23.50 -11.14 -15.66	41.60
08 14 16 00-0096	EA			2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	187.62 24.15 -11.56 -16.25	43.50
08 14 16 00-0097	EA			2'-8" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	193.07 25.46 -11.83 -16.66	43.50
08 14 16 00-0098	EA			3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	202.28 26.76 -12.38 -17.44	45.39
08 14 16 00-0099	EA			3'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	208.50 28.26 -12.69 -17.91	45.39
08 14 16 00-0100	EA			3'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	232.52 33.11 -13.99 -19.80	47.27
08 14 16 00-0101	PR			Pair 2' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	353.90 46.99 -21.65 -30.49	79.05
08 14 16 00-0102	PR			Pair 2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	366.52 48.30 -22.46 -31.62	82.64
08 14 16 00-0103	PR			Pair 3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	395.48 53.52 -24.09 -33.97	86.23
08 14 16 00-0104 Oak Or Maple Faced <small>(08 14 16 00-0073)</small>						
08 14 16 00-0105	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	251.51 40.39 -14.66 -20.94	41.60
08 14 16 00-0106	EA			2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	261.62 41.91 -15.26 -21.80	43.50
08 14 16 00-0107	EA			2'-8" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	263.99 42.48 -15.37 -21.97	43.50
08 14 16 00-0108	EA			3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	278.11 44.96 -16.17 -23.13	45.39
08 14 16 00-0109	EA			3'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	305.59 51.56 -17.55 -25.19	45.39
08 14 16 00-0110	EA			3'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	365.15 64.94 -20.62 -29.75	47.27
08 14 16 00-0111	PR			Pair 2' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	494.68 80.78 -28.69 -41.05	79.05
08 14 16 00-0112	PR			Pair 2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	514.57 83.83 -29.86 -42.72	82.64
08 14 16 00-0113	PR			Pair 3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	547.15 89.93 -31.67 -45.35	86.23
08 14 16 00-0114 Walnut Faced <small>(08 14 16 00-0073)</small>						

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0115	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	311.21	41.60
			For Each 1' Of Additional Door Height, Add	54.72	
			For >50 To 100, Deduct	-17.64	
			For >100, Deduct	-25.42	
08 14 16 00-0116	EA		2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	316.59	43.50
			For Each 1' Of Additional Door Height, Add	55.10	
			For >50 To 100, Deduct	-18.00	
			For >100, Deduct	-25.92	
08 14 16 00-0117	EA		2'-8" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	326.68	43.50
			For Each 1' Of Additional Door Height, Add	57.53	
			For >50 To 100, Deduct	-18.51	
			For >100, Deduct	-26.68	
08 14 16 00-0118	EA		3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	333.56	45.39
			For Each 1' Of Additional Door Height, Add	58.27	
			For >50 To 100, Deduct	-18.95	
			For >100, Deduct	-27.29	
08 14 16 00-0119	EA		3'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	360.65	45.39
			For Each 1' Of Additional Door Height, Add	64.77	
			For >50 To 100, Deduct	-20.30	
			For >100, Deduct	-29.32	
08 14 16 00-0120	EA		3'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	434.41	47.27
			For Each 1' Of Additional Door Height, Add	81.56	
			For >50 To 100, Deduct	-24.08	
			For >100, Deduct	-34.94	
08 14 16 00-0121	PR		Pair 2' x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	613.88	79.05
			For Each 1' Of Additional Door Height, Add	109.39	
			For >50 To 100, Deduct	-34.65	
			For >100, Deduct	-49.99	
08 14 16 00-0122	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	624.46	82.64
			For Each 1' Of Additional Door Height, Add	110.21	
			For >50 To 100, Deduct	-35.35	
			For >100, Deduct	-50.97	
08 14 16 00-0123	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	658.04	86.23
			For Each 1' Of Additional Door Height, Add	116.54	
			For >50 To 100, Deduct	-37.21	
			For >100, Deduct	-53.66	
08 14 16 00-0124			Solid Core Doors, 1-3/4" Thick, 5 Ply (08 14 16)		
08 14 16 00-0125			Birch Faced (08 14 16 00-0124)		
08 14 16 00-0126	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	241.80	41.60
			For 7 Ply Core, Add	23.79	
			For Solid Wood Staved Core (Glued Block), Add	39.65	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	43.81	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	19.03	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	85.64	
			For Commercial Grade 1 Hour Fire Rated Door, Add	118.94	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	190.31	
			For Each 1' Of Additional Door Height, Add	38.06	
			For >50 To 100, Deduct	-14.17	
			For >100, Deduct	-20.22	
08 14 16 00-0127	EA		2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	237.23	43.50
			For 7 Ply Core, Add	22.54	
			For Solid Wood Staved Core (Glued Block), Add	37.56	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	41.91	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	18.03	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	81.13	
			For Commercial Grade 1 Hour Fire Rated Door, Add	112.68	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	180.29	
			For Each 1' Of Additional Door Height, Add	36.06	
			For >50 To 100, Deduct	-14.04	
			For >100, Deduct	-19.97	
08 14 16 00-0128	EA		2'-8" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	243.49	43.50
			For 7 Ply Core, Add	23.48	
			For Solid Wood Staved Core (Glued Block), Add	39.13	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	43.47	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	18.78	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	84.51	
			For Commercial Grade 1 Hour Fire Rated Door, Add	117.38	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	187.80	
			For Each 1' Of Additional Door Height, Add	37.56	
			For >50 To 100, Deduct	-14.35	
			For >100, Deduct	-20.44	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0129	EA			3' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	255.62	45.39
				For 7 Ply Core, Add	24.73	
				For Solid Wood Staved Core (Glued Block), Add	41.21	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	45.75	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	19.78	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	89.02	
				For Commercial Grade 1 Hour Fire Rated Door, Add	123.64	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	197.82	
				For Each 1' Of Additional Door Height, Add	39.56	
				For >50 To 100, Deduct	-15.05	
				For >100, Deduct	-21.44	
08 14 16 00-0130	EA			3'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door	273.75	45.39
				For 7 Ply Core, Add	27.45	
				For Solid Wood Staved Core (Glued Block), Add	45.75	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	50.28	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	21.96	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	98.81	
				For Commercial Grade 1 Hour Fire Rated Door, Add	137.24	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	219.58	
				For Each 1' Of Additional Door Height, Add	43.92	
				For >50 To 100, Deduct	-15.96	
				For >100, Deduct	-22.80	
08 14 16 00-0131	EA			3'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door	316.73	47.27
				For 7 Ply Core, Add	33.33	
				For Solid Wood Staved Core (Glued Block), Add	55.54	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	60.27	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	26.66	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	119.97	
				For Commercial Grade 1 Hour Fire Rated Door, Add	166.63	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	266.60	
				For Each 1' Of Additional Door Height, Add	53.32	
				For >50 To 100, Deduct	-18.20	
				For >100, Deduct	-26.12	
08 14 16 00-0132	PR			Pair 2' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	475.28	79.05
				For 7 Ply Core, Add	47.58	
				For Solid Wood Staved Core (Glued Block), Add	79.30	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	87.20	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	38.06	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	171.28	
				For Commercial Grade 1 Hour Fire Rated Door, Add	237.89	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	380.63	
				For Each 1' Of Additional Door Height, Add	76.13	
				For >50 To 100, Deduct	-27.72	
				For >100, Deduct	-39.60	
08 14 16 00-0133	PR			Pair 2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door	465.75	82.64
				For 7 Ply Core, Add	45.07	
				For Solid Wood Staved Core (Glued Block), Add	75.12	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	83.38	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	36.06	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	162.26	
				For Commercial Grade 1 Hour Fire Rated Door, Add	225.36	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	360.58	
				For Each 1' Of Additional Door Height, Add	72.12	
				For >50 To 100, Deduct	-27.42	
				For >100, Deduct	-39.06	
08 14 16 00-0134	PR			Pair 3' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	502.16	86.23
				For 7 Ply Core, Add	49.46	
				For Solid Wood Staved Core (Glued Block), Add	82.43	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	91.05	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	39.56	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	178.04	
				For Commercial Grade 1 Hour Fire Rated Door, Add	247.28	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	395.64	
				For Each 1' Of Additional Door Height, Add	79.13	
				For >50 To 100, Deduct	-29.42	
				For >100, Deduct	-41.97	

08 14 16 00-0135 Luan Faced (08 14 16 00-0124)

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0136	EA	2'-0" Or 2'-4" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	215.29	41.60
			<i>For 7 Ply Core, Add</i>	19.81	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	15.85	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	71.32	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	99.06	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	158.50	
			<i>For Each 1' Of Additional Door Height, Add</i>	31.70	
			<i>For >50 To 100, Deduct</i>	-12.84	
			<i>For >100, Deduct</i>	-18.23	
08 14 16 00-0137	EA	2'-6" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	219.46	43.50
			<i>For 7 Ply Core, Add</i>	19.87	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	15.90	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	71.53	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	99.35	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	158.96	
			<i>For Each 1' Of Additional Door Height, Add</i>	31.79	
			<i>For >50 To 100, Deduct</i>	-13.15	
			<i>For >100, Deduct</i>	-18.63	
08 14 16 00-0138	EA	2'-8" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	223.26	43.50
			<i>For 7 Ply Core, Add</i>	20.44	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	16.35	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	73.59	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	102.20	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	163.52	
			<i>For Each 1' Of Additional Door Height, Add</i>	32.70	
			<i>For >50 To 100, Deduct</i>	-13.34	
			<i>For >100, Deduct</i>	-18.92	
08 14 16 00-0139	EA	3' x 7' x 1-3/4"	Solid Core, Lauan Faced Door	229.80	45.39
			<i>For 7 Ply Core, Add</i>	20.85	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	16.68	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	75.08	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	104.27	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	166.84	
			<i>For Each 1' Of Additional Door Height, Add</i>	33.37	
			<i>For >50 To 100, Deduct</i>	-13.76	
			<i>For >100, Deduct</i>	-19.50	
08 14 16 00-0140	EA	3'-4" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	242.36	45.39
			<i>For 7 Ply Core, Add</i>	22.74	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	18.19	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	81.86	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	113.69	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	181.91	
			<i>For Each 1' Of Additional Door Height, Add</i>	36.38	
			<i>For >50 To 100, Deduct</i>	-14.39	
			<i>For >100, Deduct</i>	-20.45	
08 14 16 00-0141	EA	3'-6" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	256.97	47.27
			<i>For 7 Ply Core, Add</i>	24.36	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	19.49	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	87.70	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	121.81	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	194.89	
			<i>For Each 1' Of Additional Door Height, Add</i>	38.98	
			<i>For >50 To 100, Deduct</i>	-15.21	
			<i>For >100, Deduct</i>	-21.64	
08 14 16 00-0142	PR	Pair 2' x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	422.26	79.05
			<i>For 7 Ply Core, Add</i>	39.63	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	31.70	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	142.65	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	198.13	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	317.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	63.40	
			<i>For >50 To 100, Deduct</i>	-25.07	
			<i>For >100, Deduct</i>	-35.62	
08 14 16 00-0143	PR	Pair 2'-6" x 7' x 1-3/4"	Solid Core, Lauan Faced Door	430.22	82.64
			<i>For 7 Ply Core, Add</i>	39.74	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	31.79	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	143.07	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	198.71	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	317.94	
			<i>For Each 1' Of Additional Door Height, Add</i>	63.59	
			<i>For >50 To 100, Deduct</i>	-25.64	
			<i>For >100, Deduct</i>	-36.40	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0144 PR Pair 3' x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	450.54	86.23
For 7 Ply Core, Add	41.71	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	33.37	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	150.16	
For Commercial Grade 1 Hour Fire Rated Door, Add	208.56	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	333.70	
For Each 1' Of Additional Door Height, Add	66.74	
For >50 To 100, Deduct	-26.84	
For >100, Deduct	-38.10	
08 14 16 00-0145 Plastic Laminated <small>(08 14 16 00-0124)</small>		
08 14 16 00-0146 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door	469.89	41.60
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	46.40	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	208.81	
For Commercial Grade 1 Hour Fire Rated Door, Add	290.01	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	464.02	
For Each 1' Of Additional Door Height, Add	92.80	
For >50 To 100, Deduct	-25.57	
For >100, Deduct	-37.32	
08 14 16 00-0147 EA 2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door	485.75	43.50
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	47.85	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	215.33	
For Commercial Grade 1 Hour Fire Rated Door, Add	299.07	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	478.51	
For Each 1' Of Additional Door Height, Add	95.70	
For >50 To 100, Deduct	-26.46	
For >100, Deduct	-38.61	
08 14 16 00-0148 EA 2'-8" x 7' x 1-3/4" Solid Core Plastic Laminated Door	485.75	43.50
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	47.85	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	215.33	
For Commercial Grade 1 Hour Fire Rated Door, Add	299.07	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	478.51	
For Each 1' Of Additional Door Height, Add	95.70	
For >50 To 100, Deduct	-26.46	
For >100, Deduct	-38.61	
08 14 16 00-0149 EA 3'-0" x 7' x 1-3/4" Solid Core Plastic Laminated Door	537.43	45.39
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	53.60	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	241.20	
For Commercial Grade 1 Hour Fire Rated Door, Add	335.00	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	535.99	
For Each 1' Of Additional Door Height, Add	107.20	
For >50 To 100, Deduct	-29.14	
For >100, Deduct	-42.58	
08 14 16 00-0150 EA 3'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door	561.89	45.39
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	56.53	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	254.40	
For Commercial Grade 1 Hour Fire Rated Door, Add	353.34	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	565.34	
For Each 1' Of Additional Door Height, Add	113.07	
For >50 To 100, Deduct	-30.36	
For >100, Deduct	-44.41	
08 14 16 00-0151 EA 3'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door	577.91	47.27
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	58.00	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	261.01	
For Commercial Grade 1 Hour Fire Rated Door, Add	362.51	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	580.02	
For Each 1' Of Additional Door Height, Add	116.00	
For >50 To 100, Deduct	-31.26	
For >100, Deduct	-45.71	
08 14 16 00-0152 PR Pair 2' x 7' x 1-3/4" Solid Core Plastic Laminated Door	931.45	79.05
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	92.80	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	417.61	
For Commercial Grade 1 Hour Fire Rated Door, Add	580.02	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	928.03	
For Each 1' Of Additional Door Height, Add	185.61	
For >50 To 100, Deduct	-50.52	
For >100, Deduct	-73.81	
08 14 16 00-0153 PR Pair 2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	962.79	82.64
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	95.70	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	430.66	
For Commercial Grade 1 Hour Fire Rated Door, Add	598.14	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	957.02	
For Each 1' Of Additional Door Height, Add	191.40	
For >50 To 100, Deduct	-52.27	
For >100, Deduct	-76.34	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0154	PR		Pair 3' x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	1,065.78	86.23
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	107.20	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	482.39	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	669.99	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	1,071.98	
			<i>For Each 1' Of Additional Door Height, Add</i>	214.40	
			<i>For >50 To 100, Deduct</i>	-57.60	
			<i>For >100, Deduct</i>	-84.25	
08 14 16 00-0155			Oak Or Maple Faced <small>(08 14 16 00-0124)</small>		
08 14 16 00-0156	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	297.41	41.60
			<i>For 7 Ply Core, Add</i>	32.13	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	53.55	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Exterior Grade Door, Add</i>	57.71	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	25.70	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	115.67	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	160.65	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	257.04	
			<i>For Each 1' Of Additional Door Height, Add</i>	51.41	
			<i>For >50 To 100, Deduct</i>	-16.95	
			<i>For >100, Deduct</i>	-24.39	
08 14 16 00-0157	EA		2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	301.19	43.50
			<i>For 7 Ply Core, Add</i>	32.13	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	53.55	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Exterior Grade Door, Add</i>	57.90	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	25.70	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	115.67	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	160.65	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	257.04	
			<i>For Each 1' Of Additional Door Height, Add</i>	51.41	
			<i>For >50 To 100, Deduct</i>	-17.23	
			<i>For >100, Deduct</i>	-24.76	
08 14 16 00-0158	EA		2'-8" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	303.39	43.50
			<i>For 7 Ply Core, Add</i>	32.46	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	54.10	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Exterior Grade Door, Add</i>	58.45	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	25.97	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	116.86	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	162.30	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	259.68	
			<i>For Each 1' Of Additional Door Height, Add</i>	51.94	
			<i>For >50 To 100, Deduct</i>	-17.34	
			<i>For >100, Deduct</i>	-24.93	
08 14 16 00-0159	EA		3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	309.17	45.39
			<i>For 7 Ply Core, Add</i>	32.76	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	54.60	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Exterior Grade Door, Add</i>	59.14	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	26.21	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	117.94	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	163.80	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	262.08	
			<i>For Each 1' Of Additional Door Height, Add</i>	52.42	
			<i>For >50 To 100, Deduct</i>	-17.73	
			<i>For >100, Deduct</i>	-25.46	
08 14 16 00-0160	EA		3'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	333.16	45.39
			<i>For 7 Ply Core, Add</i>	36.36	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	60.60	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Exterior Grade Door, Add</i>	65.14	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	29.09	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	130.89	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	181.79	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	290.87	
			<i>For Each 1' Of Additional Door Height, Add</i>	58.17	
			<i>For >50 To 100, Deduct</i>	-18.93	
			<i>For >100, Deduct</i>	-27.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0161	EA			3'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	398.72	47.27
				For 7 Ply Core, Add	45.62	
				For Solid Wood Staved Core (Glued Block), Add	76.04	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	80.77	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	36.50	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	164.25	
				For Commercial Grade 1 Hour Fire Rated Door, Add	228.12	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	364.99	
				For Each 1' Of Additional Door Height, Add	73.00	
				For >50 To 100, Deduct	-22.30	
				For >100, Deduct	-32.27	
08 14 16 00-0162	PR			Pair 2' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	568.71	79.05
				For 7 Ply Core, Add	61.59	
				For Solid Wood Staved Core (Glued Block), Add	102.66	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	110.56	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	49.27	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	221.73	
				For Commercial Grade 1 Hour Fire Rated Door, Add	307.97	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	492.74	
				For Each 1' Of Additional Door Height, Add	98.55	
				For >50 To 100, Deduct	-32.39	
				For >100, Deduct	-46.61	
08 14 16 00-0163	PR			Pair 2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	578.78	82.64
				For 7 Ply Core, Add	62.03	
				For Solid Wood Staved Core (Glued Block), Add	103.38	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	111.64	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	49.62	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	223.30	
				For Commercial Grade 1 Hour Fire Rated Door, Add	310.13	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	496.21	
				For Each 1' Of Additional Door Height, Add	99.24	
				For >50 To 100, Deduct	-33.07	
				For >100, Deduct	-47.54	
08 14 16 00-0164	PR			Pair 3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	608.26	86.23
				For 7 Ply Core, Add	65.37	
				For Solid Wood Staved Core (Glued Block), Add	108.95	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	117.57	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	52.30	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	235.33	
				For Commercial Grade 1 Hour Fire Rated Door, Add	326.85	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	522.96	
				For Each 1' Of Additional Door Height, Add	104.59	
				For >50 To 100, Deduct	-34.72	
				For >100, Deduct	-49.93	
08 14 16 00-0165				Walnut Faced <small>(08 14 16 00-0124)</small>		
08 14 16 00-0166	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door	411.86	41.60
				For 7 Ply Core, Add	49.30	
				For Solid Wood Staved Core (Glued Block), Add	115.03	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	86.32	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	39.44	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	177.47	
				For Commercial Grade 1 Hour Fire Rated Door, Add	246.49	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	394.38	
				For Each 1' Of Additional Door Height, Add	78.88	
				For >50 To 100, Deduct	-22.67	
				For >100, Deduct	-32.97	
08 14 16 00-0167	EA			2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	415.74	43.50
				For 7 Ply Core, Add	49.31	
				For Solid Wood Staved Core (Glued Block), Add	115.06	
				Note: Not used in conjunction with fire rating >20 minutes.		
				For Exterior Grade Door, Add	86.54	
				For Machining for Mortise Lock, Add	35.00	
				For Commercial Grade 20 Minute Fire Rated Door, Add	39.45	
				For Commercial Grade 3/4 Hour Fire Rated Door, Add	177.53	
				For Commercial Grade 1 Hour Fire Rated Door, Add	246.56	
				For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	394.50	
				For Each 1' Of Additional Door Height, Add	78.90	
				For >50 To 100, Deduct	-22.96	
				For >100, Deduct	-33.36	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0168	EA		2'-8" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	419.14	43.50
			For 7 Ply Core, Add	49.82	
			For Solid Wood Staved Core (Glued Block), Add	116.25	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	87.39	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	39.86	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	179.36	
			For Commercial Grade 1 Hour Fire Rated Door, Add	249.11	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	398.58	
			For Each 1' Of Additional Door Height, Add	79.72	
			For >50 To 100, Deduct	-23.13	
			For >100, Deduct	-33.61	
08 14 16 00-0169	EA		3' x 7' x 1-3/4" Solid Core, Walnut Faced Door	440.61	45.39
			For 7 Ply Core, Add	52.48	
			For Solid Wood Staved Core (Glued Block), Add	122.44	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	92.00	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	41.98	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	188.91	
			For Commercial Grade 1 Hour Fire Rated Door, Add	262.38	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	419.81	
			For Each 1' Of Additional Door Height, Add	83.96	
			For >50 To 100, Deduct	-24.30	
			For >100, Deduct	-35.32	
08 14 16 00-0170	EA		3'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	463.60	45.39
			For 7 Ply Core, Add	55.92	
			For Solid Wood Staved Core (Glued Block), Add	130.49	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	97.75	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	44.74	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	201.33	
			For Commercial Grade 1 Hour Fire Rated Door, Add	279.62	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	447.40	
			For Each 1' Of Additional Door Height, Add	89.48	
			For >50 To 100, Deduct	-25.45	
			For >100, Deduct	-37.04	
08 14 16 00-0171	EA		3'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	564.35	47.27
			For 7 Ply Core, Add	70.47	
			For Solid Wood Staved Core (Glued Block), Add	164.43	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	122.18	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	56.37	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	253.69	
			For Commercial Grade 1 Hour Fire Rated Door, Add	352.34	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	563.75	
			For Each 1' Of Additional Door Height, Add	112.75	
			For >50 To 100, Deduct	-30.58	
			For >100, Deduct	-44.69	
08 14 16 00-0172	PR		Pair 2' x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	788.21	79.05
			For 7 Ply Core, Add	94.52	
			For Solid Wood Staved Core (Glued Block), Add	220.54	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	165.43	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	75.61	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	340.26	
			For Commercial Grade 1 Hour Fire Rated Door, Add	472.59	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	756.14	
			For Each 1' Of Additional Door Height, Add	151.23	
			For >50 To 100, Deduct	-43.36	
			For >100, Deduct	-63.07	
08 14 16 00-0173	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	799.78	82.64
			For 7 Ply Core, Add	95.18	
			For Solid Wood Staved Core (Glued Block), Add	222.08	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	166.89	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	76.14	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	342.64	
			For Commercial Grade 1 Hour Fire Rated Door, Add	475.88	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	761.41	
			For Each 1' Of Additional Door Height, Add	152.28	
			For >50 To 100, Deduct	-44.12	
			For >100, Deduct	-64.12	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0174	PR		Pair 3' x 7' x 1-3/4" Solid Core, Walnut Faced Door..... <i>For 7 Ply Core, Add</i> <i>For Solid Wood Staved Core (Glued Block), Add</i> <i>Note: Not used in conjunction with fire rating >20 minutes.</i> <i>For Exterior Grade Door, Add</i> <i>For Machining for Mortise Lock, Add</i> <i>For Commercial Grade 20 Minute Fire Rated Door, Add</i> <i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i> <i>For Commercial Grade 1 Hour Fire Rated Door, Add</i> <i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	862.15 103.45 241.39 181.05 35.00 82.76 372.43 517.27 827.63 165.53 -47.42 -68.97	86.23
08 14 16 00-0175			Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0176	EA		Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door <i>Note: Includes any standard manufacturer color on six sides.</i> <i>For Custom Color To Match Non Standard Manufacturer Finish, Add</i>	35.76 11.91	
08 14 23			Clad Wood Doors (08 14)		
08 14 23 13			Metal-Faced Wood Doors (08 14 23) <i>See CSI section 08 70 00 00-0000 for finish hardware.</i>		
08 14 23 13-0001			24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)		
08 14 23 13-0002	EA		2' 6" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	470.41	93.03
08 14 23 13-0003	EA		2' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	503.03	102.12
08 14 23 13-0004	EA		2' 10" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	540.81	112.70
08 14 23 13-0005	EA		3' x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	564.90	116.49
08 14 23 13-0006	EA		3' 4" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	604.84	128.21
08 14 23 13-0007	EA		3' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	654.56	132.37
08 14 66			Wood Screen Doors (08 14)		
08 14 66 00-0001			Wood Screen Storm Door, Residential Grade (08 14 66) <i>Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).</i>		
08 14 66 00-0002	EA		2'-8" x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	348.79	108.93
08 14 66 00-0003	EA		3' x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	365.60	121.02
08 14 66 00-0004	EA		2'-8" x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware	348.79	108.93
08 14 66 00-0005	EA		3' x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware	365.60	121.02
08 14 73			Sliding Wood Doors (08 14)		
08 14 73 00-0001			Pocket Door (08 14 73) <i>Note: Includes door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0054 for accessories to be added.</i>		
08 14 73 00-0002			1-3/8" Thick (08 14 73 00-0001) <i>See CSI section 08 14 73 00-0054 for all jambs and track hardware.</i>		
08 14 73 00-0003			6'-8" High (08 14 73 00-0002)		
08 14 73 00-0004	EA		2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	382.79 91.04 132.60 193.29 314.35	26.48
08 14 73 00-0005	EA		2'-4" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	394.57 93.25 135.82 197.98 321.97	28.37
08 14 73 00-0006	EA		2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	408.34 96.00 139.83 203.83 331.49	30.25
08 14 73 00-0007	EA		2'-8" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	418.11 97.66 142.24 207.35 337.21	32.15
08 14 73 00-0008	EA		2'-10" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	431.91 100.42 146.26 213.21 346.74	34.04
08 14 73 00-0009	EA		3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	443.68 102.63 149.48 217.89 354.35	35.93

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0010	EA		Pair 2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	754.26	47.27
			<i>For Oak, Add</i>	182.08	
			<i>For Ash/Hickory, Add</i>	265.20	
			<i>For Walnut, Add</i>	386.58	
			<i>For Cherry, Add</i>	628.69	
08 14 73 00-0011	EA		Pair 2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	797.80	51.06
			<i>For Oak, Add</i>	192.01	
			<i>For Ash/Hickory, Add</i>	279.67	
			<i>For Walnut, Add</i>	407.67	
			<i>For Cherry, Add</i>	662.99	
08 14 73 00-0012	EA		Pair 3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	853.36	54.84
			<i>For Oak, Add</i>	205.25	
			<i>For Ash/Hickory, Add</i>	298.96	
			<i>For Walnut, Add</i>	435.79	
			<i>For Cherry, Add</i>	708.72	
08 14 73 00-0013			7' High <small>(08 14 73 00-0002)</small>		
08 14 73 00-0014	EA		2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	452.76	26.48
			<i>For Oak, Add</i>	93.56	
			<i>For Ash/Hickory, Add</i>	93.56	
			<i>For Walnut, Add</i>	153.93	
			<i>For Cherry, Add</i>	289.07	
08 14 73 00-0015	EA		2'-4" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	474.53	28.37
			<i>For Oak, Add</i>	97.77	
			<i>For Ash/Hickory, Add</i>	97.77	
			<i>For Walnut, Add</i>	160.86	
			<i>For Cherry, Add</i>	302.08	
08 14 73 00-0016	EA		2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	490.31	30.25
			<i>For Oak, Add</i>	100.58	
			<i>For Ash/Hickory, Add</i>	100.58	
			<i>For Walnut, Add</i>	165.48	
			<i>For Cherry, Add</i>	310.75	
08 14 73 00-0017	EA		2'-8" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	504.07	32.15
			<i>For Oak, Add</i>	102.91	
			<i>For Ash/Hickory, Add</i>	102.91	
			<i>For Walnut, Add</i>	169.32	
			<i>For Cherry, Add</i>	317.98	
08 14 73 00-0018	EA		2'-10" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	515.87	34.04
			<i>For Oak, Add</i>	104.79	
			<i>For Ash/Hickory, Add</i>	104.79	
			<i>For Walnut, Add</i>	172.40	
			<i>For Cherry, Add</i>	323.76	
08 14 73 00-0019	EA		3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	531.64	35.93
			<i>For Oak, Add</i>	107.59	
			<i>For Ash/Hickory, Add</i>	107.59	
			<i>For Walnut, Add</i>	177.02	
			<i>For Cherry, Add</i>	332.43	
08 14 73 00-0020	EA		Pair 2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	894.20	47.27
			<i>For Oak, Add</i>	187.12	
			<i>For Ash/Hickory, Add</i>	187.12	
			<i>For Walnut, Add</i>	307.86	
			<i>For Cherry, Add</i>	578.14	
08 14 73 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	961.72	51.06
			<i>For Oak, Add</i>	201.15	
			<i>For Ash/Hickory, Add</i>	201.15	
			<i>For Walnut, Add</i>	330.95	
			<i>For Cherry, Add</i>	621.50	
08 14 73 00-0022	EA		Pair 3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,029.28	54.84
			<i>For Oak, Add</i>	215.18	
			<i>For Ash/Hickory, Add</i>	215.18	
			<i>For Walnut, Add</i>	354.04	
			<i>For Cherry, Add</i>	664.86	
08 14 73 00-0023			1-3/4" Thick <small>(08 14 73 00-0001)</small>		
			See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0024			6'-8" High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0025	EA		2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	572.71	26.48
			<i>For Oak, Add</i>	121.63	
			<i>For Ash/Hickory, Add</i>	121.63	
			<i>For Walnut, Add</i>	200.11	
			<i>For Cherry, Add</i>	375.79	
08 14 73 00-0026	EA		2'-4" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	600.48	28.37
			<i>For Oak, Add</i>	127.24	
			<i>For Ash/Hickory, Add</i>	127.24	
			<i>For Walnut, Add</i>	209.35	
			<i>For Cherry, Add</i>	393.14	
08 14 73 00-0027	EA		2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	616.25	30.25
			<i>For Oak, Add</i>	130.05	
			<i>For Ash/Hickory, Add</i>	130.05	
			<i>For Walnut, Add</i>	213.96	
			<i>For Cherry, Add</i>	401.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0028 EA 2'-8" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	634.01	32.15
<i>For Oak, Add</i>	133.32	
<i>For Ash/Hickory, Add</i>	133.32	
<i>For Walnut, Add</i>	219.35	
<i>For Cherry, Add</i>	411.92	
08 14 73 00-0029 EA 2'-10" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	649.81	34.04
<i>For Oak, Add</i>	136.13	
<i>For Ash/Hickory, Add</i>	136.13	
<i>For Walnut, Add</i>	223.97	
<i>For Cherry, Add</i>	420.60	
08 14 73 00-0030 EA 3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	665.58	35.93
<i>For Oak, Add</i>	138.93	
<i>For Ash/Hickory, Add</i>	138.93	
<i>For Walnut, Add</i>	228.59	
<i>For Cherry, Add</i>	429.27	
08 14 73 00-0031 EA Pair 2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,134.09	47.27
<i>For Oak, Add</i>	243.25	
<i>For Ash/Hickory, Add</i>	243.25	
<i>For Walnut, Add</i>	400.22	
<i>For Cherry, Add</i>	751.58	
08 14 73 00-0032 EA Pair 2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,213.61	51.06
<i>For Oak, Add</i>	260.09	
<i>For Ash/Hickory, Add</i>	260.09	
<i>For Walnut, Add</i>	427.93	
<i>For Cherry, Add</i>	803.61	
08 14 73 00-0033 EA Pair 3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,297.16	54.84
<i>For Oak, Add</i>	277.87	
<i>For Ash/Hickory, Add</i>	277.87	
<i>For Walnut, Add</i>	457.18	
<i>For Cherry, Add</i>	858.54	
08 14 73 00-0034 7' High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0035 EA 2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	612.69	26.48
<i>For Oak, Add</i>	130.98	
<i>For Ash/Hickory, Add</i>	130.98	
<i>For Walnut, Add</i>	215.50	
<i>For Cherry, Add</i>	404.70	
08 14 73 00-0036 EA 2'-4" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	644.46	28.37
<i>For Oak, Add</i>	137.53	
<i>For Ash/Hickory, Add</i>	137.53	
<i>For Walnut, Add</i>	226.28	
<i>For Cherry, Add</i>	424.94	
08 14 73 00-0037 EA 2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	662.23	30.25
<i>For Oak, Add</i>	140.80	
<i>For Ash/Hickory, Add</i>	140.80	
<i>For Walnut, Add</i>	231.67	
<i>For Cherry, Add</i>	435.05	
08 14 73 00-0038 EA 2'-8" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	679.99	32.15
<i>For Oak, Add</i>	144.08	
<i>For Ash/Hickory, Add</i>	144.08	
<i>For Walnut, Add</i>	237.05	
<i>For Cherry, Add</i>	445.17	
08 14 73 00-0039 EA 2'-10" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	695.79	34.04
<i>For Oak, Add</i>	146.89	
<i>For Ash/Hickory, Add</i>	146.89	
<i>For Walnut, Add</i>	241.67	
<i>For Cherry, Add</i>	453.84	
08 14 73 00-0040 EA 3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	713.56	35.93
<i>For Oak, Add</i>	150.16	
<i>For Ash/Hickory, Add</i>	150.16	
<i>For Walnut, Add</i>	247.06	
<i>For Cherry, Add</i>	463.96	
08 14 73 00-0041 EA Pair 2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,214.06	47.27
<i>For Oak, Add</i>	261.96	
<i>For Ash/Hickory, Add</i>	261.96	
<i>For Walnut, Add</i>	431.01	
<i>For Cherry, Add</i>	809.40	
08 14 73 00-0042 EA Pair 2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,305.57	51.06
<i>For Oak, Add</i>	281.61	
<i>For Ash/Hickory, Add</i>	281.61	
<i>For Walnut, Add</i>	463.33	
<i>For Cherry, Add</i>	870.10	
08 14 73 00-0043 EA Pair 3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,393.11	54.84
<i>For Oak, Add</i>	300.32	
<i>For Ash/Hickory, Add</i>	300.32	
<i>For Walnut, Add</i>	494.12	
<i>For Cherry, Add</i>	927.91	
08 14 73 00-0044 8' High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0045 EA 2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	652.67	26.48
<i>For Oak, Add</i>	140.34	
<i>For Ash/Hickory, Add</i>	140.34	
<i>For Walnut, Add</i>	230.90	
<i>For Cherry, Add</i>	433.60	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0046	EA		2'-4" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	684.44	28.37
			For Oak, Add	146.89	
			For Ash/Hickory, Add	146.89	
			For Walnut, Add	241.67	
			For Cherry, Add	453.84	
08 14 73 00-0047	EA		2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	704.21	30.25
			For Oak, Add	150.63	
			For Ash/Hickory, Add	150.63	
			For Walnut, Add	247.83	
			For Cherry, Add	465.40	
08 14 73 00-0048	EA		2'-8" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	723.97	32.15
			For Oak, Add	154.37	
			For Ash/Hickory, Add	154.37	
			For Walnut, Add	253.98	
			For Cherry, Add	476.96	
08 14 73 00-0049	EA		2'-10" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	739.77	34.04
			For Oak, Add	157.18	
			For Ash/Hickory, Add	157.18	
			For Walnut, Add	258.60	
			For Cherry, Add	485.64	
08 14 73 00-0050	EA		3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	759.54	35.93
			For Oak, Add	160.92	
			For Ash/Hickory, Add	160.92	
			For Walnut, Add	264.76	
			For Cherry, Add	497.20	
08 14 73 00-0051	EA		Pair 2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,294.02	47.27
			For Oak, Add	280.67	
			For Ash/Hickory, Add	280.67	
			For Walnut, Add	461.79	
			For Cherry, Add	867.21	
08 14 73 00-0052	EA		Pair 2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,389.53	51.06
			For Oak, Add	301.26	
			For Ash/Hickory, Add	301.26	
			For Walnut, Add	495.66	
			For Cherry, Add	930.80	
08 14 73 00-0053	EA		Pair 3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,485.07	54.84
			For Oak, Add	321.84	
			For Ash/Hickory, Add	321.84	
			For Walnut, Add	529.52	
			For Cherry, Add	994.40	
08 14 73 00-0054			Accessories (08 14 73 00-0001)		
08 14 73 00-0055			Jamb Replacement (08 14 73 00-0054)		
08 14 73 00-0056	EA		4-9/16 Or 4-3/4" Jamb, Birch	111.76	
			For Oak, Add	8.36	
			For Ash/Hickory, Add	13.09	
			For Walnut, Add	28.61	
			For Cherry, Add	45.33	
08 14 73 00-0057	EA		5-1/4" Jamb, Birch	114.14	
			For Oak, Add	8.62	
			For Ash/Hickory, Add	13.51	
			For Walnut, Add	29.54	
			For Cherry, Add	46.78	
08 14 73 00-0058	EA		6-9/16" Or 6-3/4" Jamb, Birch	129.64	
			For Oak, Add	10.38	
			For Ash/Hickory, Add	16.25	
			For Walnut, Add	35.53	
			For Cherry, Add	56.29	
08 14 73 00-0059			Track And Hardware Replacement Kits (08 14 73 00-0054)		
			Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0060	EA		Up To 2'-6" x 6'-8" Door Track And Hardware	178.27	
08 14 73 00-0061	EA		2'-8" x 6'-8" Door Track And Hardware	179.79	
08 14 73 00-0062	EA		3' x 6'-8" Door Track And Hardware	182.82	
08 14 73 00-0063	EA		Up To 2'-6" x 7' Door Track And Hardware	211.69	
08 14 73 00-0064	EA		2'-8" x 7' Door Track And Hardware	213.21	
08 14 73 00-0065	EA		3' x 7' Door Track And Hardware	216.25	
08 14 73 00-0066	EA		Up To 2'-6" x 8' Door Track And Hardware	226.88	
08 14 73 00-0067	EA		2'-8" x 8' Door Track And Hardware	228.40	
08 14 73 00-0068	EA		3' x 8' Door Track And Hardware	231.44	
08 14 73 00-0069	EA		Double Door Converging Kit	26.54	
08 14 73 00-0070			Lauan Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		
08 14 73 00-0071	EA		4'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	234.42	60.49
08 14 73 00-0072	EA		5'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	249.72	64.27
08 14 73 00-0073	EA		6'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	271.25	68.05
08 14 73 00-0074	EA		8'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	368.03	71.83
08 14 73 00-0075			Birch Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0076 EA 4'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	249.28	60.49
08 14 73 00-0077 EA 5'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	272.89	64.27
08 14 73 00-0078 EA 6'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	296.76	68.05
08 14 73 00-0079 EA 8'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	397.75	71.83
08 14 73 00-0080 Molded High Density Fiberboard Hollow Core Paneled Bi-Pass Doors (08 14 73)		
08 14 73 00-0081 EA 4'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	249.70	60.49
08 14 73 00-0082 EA 5'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	271.86	64.27
08 14 73 00-0083 EA 6'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	295.04	68.05
08 14 73 00-0084 EA 8'-0", Four 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	398.59	71.83
08 14 76 Bifolding Wood Doors (08 14)		
08 14 76 00-0001 Lauan Faced Hollow Core Flush Bi-Fold Doors (08 14 76)		
08 14 76 00-0002 EA 2'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	127.11	45.37
08 14 76 00-0003 EA 2'-6", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	134.67	49.15
08 14 76 00-0004 EA 2'-8", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	144.66	52.93
08 14 76 00-0005 EA 3'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	152.22	56.71
08 14 76 00-0006 EA 4'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	190.79	60.49
08 14 76 00-0007 EA 5'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	198.36	64.27
08 14 76 00-0008 EA 6'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	211.07	68.05
08 14 76 00-0009 Birch Faced Hollow Core Flush Bi-Fold Doors (08 14 76)		
08 14 76 00-0010 EA 2'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	133.05	45.37
08 14 76 00-0011 EA 2'-6", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	142.55	49.15
08 14 76 00-0012 EA 2'-8", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	153.85	52.93
08 14 76 00-0013 EA 3'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	161.41	56.71
08 14 76 00-0014 EA 4'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	203.50	60.49
08 14 76 00-0015 EA 5'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	218.17	64.27
08 14 76 00-0016 EA 6'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	233.58	68.05
08 14 76 00-0017 Oak Faced Hollow Core Flush Bi-Fold Doors (08 14 76)		
08 14 76 00-0018 EA 2'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	133.32	45.37
08 14 76 00-0019 EA 2'-6", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	146.36	49.15
08 14 76 00-0020 EA 2'-8", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	157.36	52.93
08 14 76 00-0021 EA 3'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	164.92	56.71
08 14 76 00-0022 EA 4'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	206.57	60.49
08 14 76 00-0023 EA 5'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	215.37	64.27
08 14 76 00-0024 EA 6'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	233.58	68.05
08 14 76 00-0025 Pine Raised Panel Bi-Fold Doors (08 14 76)		
08 14 76 00-0026 EA 2'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	309.76	45.37
08 14 76 00-0027 EA 2'-6", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	352.71	49.15
08 14 76 00-0028 EA 2'-8", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	401.40	52.93
08 14 76 00-0029 EA 3'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	408.96	56.71
08 14 76 00-0030 EA 4'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	559.04	60.49
08 14 76 00-0031 EA 5'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	637.39	64.27
08 14 76 00-0032 EA 6'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	727.20	68.05
08 14 76 00-0033 Oak Raised Panel Bi-Fold Doors (08 14 76)		
08 14 76 00-0034 EA 2'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	391.06	45.37
08 14 76 00-0035 EA 2'-6", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	424.45	49.15
08 14 76 00-0036 EA 2'-8", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	463.57	52.93
08 14 76 00-0037 EA 3'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	471.13	56.71
08 14 76 00-0038 EA 4'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	721.64	60.49
08 14 76 00-0039 EA 5'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	780.86	64.27
08 14 76 00-0040 EA 6'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	851.55	68.05
08 14 76 00-0041 Molded High Density Fiberboard Hollow Core Paneled Bi-Fold Doors (08 14 76)		
08 14 76 00-0042 EA 2'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	129.20	45.37
08 14 76 00-0043 EA 2'-6", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	139.20	49.15
08 14 76 00-0044 EA 2'-8", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	151.93	52.93
08 14 76 00-0045 EA 3'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	155.13	56.71
08 14 76 00-0046 EA 4'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	187.35	60.49
08 14 76 00-0047 EA 5'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	201.75	64.27
08 14 76 00-0048 EA 6'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	224.06	68.05

08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 Laminated Plastic Doors (08 15)

08	Openings
08 10	Doors And Frames
08 15	Plastic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 08 70 00 00-0000 for finish hardware.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 15 13 00-0001			Laminated Plastic Doors <small>(08 15 13)</small> Note: 0.125" acrylic/PVC thermoplastic face sheet over 1-1/2" x 1-1/2" x 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.		
08 15 13 00-0002	EA		Door, Plastic Clad 1-3/8", 1/6 X 6/8 <i>For Machining for Mortise Lock, Add</i>	266.63 35.00	37.82
08 15 13 00-0003	EA		Door, Plastic Clad 1-3/4", 1/6 X 6/8 <i>For Machining for Mortise Lock, Add</i>	266.63 35.00	37.82
08 15 13 00-0004	EA		Door, Plastic Clad 1-3/8", 1/6 X 7/0 <i>For Machining for Mortise Lock, Add</i>	266.63 35.00	37.82
08 15 13 00-0005	EA		Door, Plastic Clad 1-3/4", 1/6 X 7/0 <i>For Machining for Mortise Lock, Add</i>	266.63 35.00	37.82
08 15 13 00-0006	EA		Door, Plastic Clad 1-3/8", 2/0 X 6/8 <i>For Machining for Mortise Lock, Add</i>	274.20 35.00	41.60
08 15 13 00-0007	EA		Door, Plastic Clad 1-3/4", 2/0 X 6/8 <i>For Machining for Mortise Lock, Add</i>	274.20 35.00	41.60
08 15 13 00-0008	EA		Door, Plastic Clad 1-3/8", 2/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	274.20 35.00	41.60
08 15 13 00-0009	EA		Door, Plastic Clad 1-3/4", 2/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	274.20 35.00	41.60
08 15 13 00-0010	EA		Door, Plastic Clad 1-3/8", 2/6 X 6/8 <i>For Machining for Mortise Lock, Add</i>	297.70 35.00	43.50
08 15 13 00-0011	EA		Door, Plastic Clad 1-3/4", 2/6 X 6/8 <i>For Machining for Mortise Lock, Add</i>	297.70 35.00	43.50
08 15 13 00-0012	EA		Door, Plastic Clad 1-3/8", 2/6 X 7/0 <i>For Machining for Mortise Lock, Add</i>	297.70 35.00	41.60
08 15 13 00-0013	EA		Door, Plastic Clad 1-3/4", 2/6 X 7/0 <i>For Machining for Mortise Lock, Add</i>	297.70 35.00	43.50
08 15 13 00-0014	EA		Door, Plastic Clad 1-3/8", 3/0 X 6/8 <i>For Machining for Mortise Lock, Add</i>	321.21 35.00	45.39
08 15 13 00-0015	EA		Door, Plastic Clad 1-3/4", 3/0 X 6/8 <i>For Machining for Mortise Lock, Add</i>	321.21 35.00	45.39
08 15 13 00-0016	EA		Door, Plastic Clad 1-3/8", 3/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	321.21 35.00	45.39
08 15 13 00-0017	EA		Door, Plastic Clad 1-3/4", 3/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	321.21 35.00	45.39
08 15 13 00-0018	EA		Door, Plastic Clad 1-3/8", 3/6 X 6/8 <i>For Machining for Mortise Lock, Add</i>	356.14 35.00	47.27
08 15 13 00-0019	EA		Door, Plastic Clad 1-3/4", 3/6 X 6/8 <i>For Machining for Mortise Lock, Add</i>	356.14 35.00	47.27
08 15 13 00-0020	EA		Door, Plastic Clad 1-3/8", 3/6 X 7/0 <i>For Machining for Mortise Lock, Add</i>	356.14 35.00	47.27
08 15 13 00-0021	EA		Door, Plastic Clad 1-3/4", 3/6 X 7/0 <i>For Machining for Mortise Lock, Add</i>	356.14 35.00	47.27
08 15 13 00-0022	EA		Door, Plastic Clad 1-3/8", 4/0 X 6/8 <i>For Machining for Mortise Lock, Add</i>	404.18 35.00	51.06
08 15 13 00-0023	EA		Door, Plastic Clad 1-3/4", 4/0 X 6/8 <i>For Machining for Mortise Lock, Add</i>	404.18 35.00	51.06
08 15 13 00-0024	EA		Door, Plastic Clad 1-3/8", 4/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	404.18 35.00	51.06
08 15 13 00-0025	EA		Door, Plastic Clad 1-3/4", 4/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	404.18 35.00	51.06

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0001			Fiberglass Faced Entrance Doors <small>(08 16 13)</small>		
08 16 13 00-0002	EA		Fiberglass Faced Door, 1-3/4" Standard. H.C., 2/6 X 6/8	434.72	43.50
08 16 13 00-0003	EA		Fiberglass Faced Door, 1-3/4" Standard. H.C., 2/8 X 6/8	434.72	43.50
08 16 13 00-0004	EA		Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/6 X 6/8	445.10	43.50
08 16 13 00-0005	EA		Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/8 X 6/8	445.10	43.50
08 16 13 00-0006	EA		Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/6 X 6/8	522.95	43.50
08 16 13 00-0007	EA		Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/8 X 6/8	522.95	43.50
08 16 13 00-0008	EA		Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/6 X 6/8	546.82	43.50
08 16 13 00-0009	EA		Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/8 X 6/8	546.82	43.50
08 16 13 00-0010	EA		Fiberglass Faced Door, 1-3/4" Standard H.C., 2/6 X 7/0	456.52	43.50
08 16 13 00-0011	EA		Fiberglass Faced Door, 1-3/4" Standard H.C., 2/8 X 7/0	456.52	43.50
08 16 13 00-0012	EA		Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/6 X 7/0	471.05	43.50
08 16 13 00-0013	EA		Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/8 X 7/0	471.05	43.50
08 16 13 00-0014	EA		Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/6 X 7/0	545.79	43.50
08 16 13 00-0015	EA		Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/8 X 7/0	545.79	43.50
08 16 13 00-0016	EA		Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/6 X 7/0	571.74	43.50
08 16 13 00-0017	EA		Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/8 X 7/0	571.74	43.50
08 16 13 00-0018	EA		Fiberglass Faced Door, 1-3/4" Standard H.C., 3/0 X 6/8	494.55	45.39
08 16 13 00-0019	EA		Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/0 X 6/8	526.73	45.39
08 16 13 00-0020	EA		Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/0 X 6/8	611.85	45.39
08 16 13 00-0021	EA		Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/0 X 6/8	638.83	45.39
08 16 13 00-0022	EA		Fiberglass Faced Door, 1-3/4" Standard H.C., 3/0 X 7/0	549.57	45.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0023 EA Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/0 X 7/0	567.21	45.39
08 16 13 00-0024 EA Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/0 X 7/0	658.56	45.39
08 16 13 00-0025 EA Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/0 X 7/0	683.47	45.39
08 16 13 00-0026 EA Fiberglass Faced Door, 1-3/4" Standard H.C., 3/6 X 6/8	615.64	47.27
08 16 13 00-0027 EA Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/6 X 6/8	627.05	47.27
08 16 13 00-0028 EA Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/6 X 6/8	729.82	47.27
08 16 13 00-0029 EA Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/6 X 6/8	756.80	47.27
08 16 13 00-0030 EA Fiberglass Faced Door, 1-3/4" Standard H.C., 3/6 X 7/0	642.62	47.27
08 16 13 00-0031 EA Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/6 X 7/0	666.50	47.27
08 16 13 00-0032 EA Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/6 X 7/0	774.45	47.27
08 16 13 00-0033 EA Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/6 X 7/0	805.59	47.27
08 16 13 00-0034 EA Fiberglass Faced Door, 1-3/4" Standard H.C., 4/0 X 6/8	713.50	51.06
08 16 13 00-0035 EA Fiberglass Faced Door, 1-3/4" 20 Minute Label, 4/0 X 6/8	730.11	51.06
08 16 13 00-0036 EA Fiberglass Faced Door, 1-3/4" 1 Hour Label, 4/0 X 6/8	850.52	51.06
08 16 13 00-0037 EA Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 4/0 X 6/8	881.66	51.06
08 16 13 00-0038 EA Fiberglass Faced Door, 1-3/4" Standard H.C., 4/0 X 7/0	756.06	51.06
08 16 13 00-0039 EA Fiberglass Faced Door, 1-3/4" 20 Minute Label, 4/0 X 7/0	774.74	51.06
08 16 13 00-0040 EA Fiberglass Faced Door, 1-3/4" 1 Hour Label, 4/0 X 7/0	895.15	51.06
08 16 13 00-0041 EA Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 4/0 X 7/0	929.41	51.06
08 16 13 00-0042 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors <small>(08 16 13)</small>		
08 16 13 00-0043 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0042)</small>		
08 16 13 00-0044 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0043)</small> Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
08 16 13 00-0045 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0044)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0046 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0045)</small>		
08 16 13 00-0047 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,598.87	45.39
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0048 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,622.46	47.27
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0049 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,778.52	51.06
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0050 PR Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,925.76	86.23
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0051 PR Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem- Pruf)	2,949.44	89.82
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0052 PR Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,283.92	97.01
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0053 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0045)</small>		
08 16 13 00-0054 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,598.87	45.39
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0055 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,659.86	47.27
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0056 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,818.12	51.06
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0057 PR Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,925.76	86.23
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0058 PR Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,133.14	89.82
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0059 PR Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,363.12	97.01
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0060			Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0044) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061			45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0060)		
08 16 13 00-0062			6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0061)		
08 16 13 00-0063	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,055.37	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0064	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,098.76	47.27
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0065	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,221.82	51.06
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0066	PR		Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,607.76	86.23
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0067	PR		Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.54	89.82
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0068	PR		Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,939.52	97.01
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0069			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0061)		
08 16 13 00-0070	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,055.37	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0071	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,092.16	47.27
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0072	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,269.12	51.06
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0073	PR		Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,607.76	86.23
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0074	PR		Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,641.34	89.82
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0075	PR		Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,034.12	97.01
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0076			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0060)		
08 16 13 00-0077			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0076)		
08 16 13 00-0078	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,055.37	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0079	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,098.76	47.27
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0080	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,221.82	51.06
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	



Openings	08	08
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0081	PR		Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,607.76	86.23
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0082	PR		Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.54	89.82
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0083	PR		Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,939.52	97.01
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0084			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0076)		
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,055.37	45.39
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,092.16	47.27
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,269.12	51.06
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0088	PR		Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,607.76	86.23
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0089	PR		Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,641.34	89.82
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0090	PR		Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,034.12	97.01
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0091			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0060)		
08 16 13 00-0092			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0091)		
08 16 13 00-0093	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,055.37	45.39
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0094	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,098.76	47.27
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0095	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,221.82	51.06
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0096	PR		Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,607.76	86.23
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0097	PR		Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,654.54	89.82
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0098	PR		Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,998.92	97.01
			For Custom Color Finish, Add	170.00	
			For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0099			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0091)		
08 16 13 00-0100	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,055.37	45.39
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0101	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,092.16	47.27
			For Custom Color Finish, Add	85.00	
			For Stainless Steel Continuous Hinge, Add	189.20	

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0102	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,269.12	51.06
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0103	PR		Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,607.76	86.23
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0104	PR		Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,694.14	89.82
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0105	PR		Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,095.72	97.01
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0106			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0044) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0107			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0106)		
08 16 13 00-0108	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	1,656.07	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0109			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0106)		
08 16 13 00-0110	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	1,656.07	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0111			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0043)		
08 16 13 00-0112	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.23	
08 16 13 00-0113	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.37	
08 16 13 00-0114	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.31	
08 16 13 00-0115	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.33	
08 16 13 00-0116	SI		Factory Installed Molded Louver (Chem-Pruf).....	0.23	
08 16 13 00-0117	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	0.30	
08 16 13 00-0118	LF		Weather Strip (Chem-Pruf).....	6.60	
08 16 13 00-0119	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	8.80	
08 16 13 00-0120	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	17.60	
08 16 13 00-0121	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	22.00	
08 16 13 00-0122	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	42.90	
08 16 13 00-0123			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0042)		
08 16 13 00-0124			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0123) Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0125			Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0124) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0126			6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0125)		
08 16 13 00-0127	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,267.67	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0128	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,285.76	47.27
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0129	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,348.32	51.06
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0130	PR		Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,352.46	86.23
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0131	PR			Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,388.24 170.00 378.40	89.82
08 16 13 00-0132	PR			Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,512.62 170.00 378.40	97.01
08 16 13 00-0133 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0125)						
08 16 13 00-0134	EA			3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,267.67 85.00 189.20	45.39
08 16 13 00-0135	EA			3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,340.76 85.00 189.20	47.27
08 16 13 00-0136	EA			4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,348.32 85.00 189.20	51.06
08 16 13 00-0137	PR			Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,352.46 170.00 378.40	86.23
08 16 13 00-0138	PR			Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,498.24 170.00 378.40	89.82
08 16 13 00-0139	PR			Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,512.62 170.00 378.40	97.01
08 16 13 00-0140 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0124)						
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.						
08 16 13 00-0141 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0140)						
08 16 13 00-0142 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0141)						
08 16 13 00-0143	EA			3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,092.67 85.00 189.20	45.39
08 16 13 00-0144	EA			3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,136.06 85.00 189.20	47.27
08 16 13 00-0145	EA			4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,238.22 85.00 189.20	51.06
08 16 13 00-0146	PR			Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,774.76 170.00 378.40	86.23
08 16 13 00-0147	PR			Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,861.14 170.00 378.40	89.82
08 16 13 00-0148	PR			Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,064.72 170.00 378.40	97.01
08 16 13 00-0149 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0141)						
08 16 13 00-0150	EA			3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,092.67 85.00 189.20	45.39
08 16 13 00-0151	EA			3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,151.46 85.00 189.20	47.27
08 16 13 00-0152	EA			4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,285.52 85.00 189.20	51.06

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0153 PR Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,774.76	86.23
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0154 PR Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,891.94	89.82
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0155 PR Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,159.32	97.01
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0156 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0140)		
08 16 13 00-0157 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0156)		
08 16 13 00-0158 EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,092.67	45.39
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0159 EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,136.06	47.27
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0160 EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,238.22	51.06
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0161 PR Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,774.76	86.23
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0162 PR Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,861.14	89.82
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0163 PR Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,064.72	97.01
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0164 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0156)		
08 16 13 00-0165 EA 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,092.67	45.39
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0166 EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,151.46	47.27
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0167 EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,285.52	51.06
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	
08 16 13 00-0168 PR Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,774.76	86.23
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0169 PR Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,891.94	89.82
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0170 PR Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,159.32	97.01
For Custom Color Finish, Add	170.00	
For Stainless Steel Continuous Hinge, Add	378.40	
08 16 13 00-0171 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0140)		
08 16 13 00-0172 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0171)		
08 16 13 00-0173 EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,092.67	45.39
For Custom Color Finish, Add	85.00	
For Stainless Steel Continuous Hinge, Add	189.20	



Openings	08	08
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0174	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,136.06	47.27
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0175	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,238.22	51.06
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0176	PR		Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,774.76	86.23
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0177	PR		Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,861.14	89.82
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0178	PR		Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,064.72	97.01
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0179			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0171)</small>		
08 16 13 00-0180	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,092.67	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0181	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,151.46	47.27
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0182	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,285.52	51.06
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0183	PR		Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,774.76	86.23
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0184	PR		Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,891.94	89.82
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0185	PR		Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,159.32	97.01
			<i>For Custom Color Finish, Add</i>	170.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	378.40	
08 16 13 00-0186			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0124)</small>		
			Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0187			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0186)</small>		
08 16 13 00-0188	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,432.67	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0189			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0186)</small>		
08 16 13 00-0190	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,432.67	45.39
			<i>For Custom Color Finish, Add</i>	85.00	
			<i>For Stainless Steel Continuous Hinge, Add</i>	189.20	
08 16 13 00-0191			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) <small>(08 16 13 00-0123)</small>		
08 16 13 00-0192	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door)	0.52	
08 16 13 00-0193	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door)	0.53	
08 16 13 00-0194	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door)	0.57	
08 16 13 00-0195	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door)	0.81	
08 16 13 00-0196	SI		Factory Installed Molded Louver (Skule Door)	0.32	
08 16 13 00-0197	SI		Factory Installed Molded Louver With Insect Screen (Skule Door)	0.51	
08 16 13 00-0198	LF		Weather Strip (Skule Door)	4.40	
08 16 13 00-0199	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	5.50	
08 16 13 00-0200	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	17.60	
08 16 13 00-0201	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	62.70	
08 16 13 00-0202	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	24.20	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 17 Integrated Door Opening Assemblies (08 10)

08 17 23 Integrated Metal Door Opening Assemblies (08 17)

08 17 23 00-0001	Pre-Hung Interior Door Units <small>(08 17 23)</small> Note: All prehung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.		
08 17 23 00-0002	Hollow Core Doors, 1-3/8" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0003	Birch Faced <small>(08 17 23 00-0002)</small>		
08 17 23 00-0004	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	281.28 44.81	47.27
08 17 23 00-0005	EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	292.75 47.57	47.27
08 17 23 00-0006	EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	308.00 50.32	49.17
08 17 23 00-0007	EA 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	315.20 51.14	51.06
08 17 23 00-0008	EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	336.01 56.13	51.06
08 17 23 00-0009	EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	354.77 59.73	52.95
08 17 23 00-0010	EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	528.49 89.62	77.54
08 17 23 00-0011	EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	562.80 95.14	83.21
08 17 23 00-0012	EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	603.93 102.28	88.88
08 17 23 00-0013	Lauan Faced <small>(08 17 23 00-0002)</small>		
08 17 23 00-0014	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	256.85 38.95	47.27
08 17 23 00-0015	EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	267.86 41.59	47.27
08 17 23 00-0016	EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	280.91 43.82	49.17
08 17 23 00-0017	EA 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	291.25 45.39	51.06
08 17 23 00-0018	EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	309.33 49.73	51.06
08 17 23 00-0019	EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	326.36 52.91	52.95
08 17 23 00-0020	EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	479.66 77.90	77.54
08 17 23 00-0021	EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	512.96 83.17	83.21
08 17 23 00-0022	EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	556.07 90.79	88.88
08 17 23 00-0023	Tempered Hardboard Faced <small>(08 17 23 00-0002)</small>		
08 17 23 00-0024	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Dr <i>For Each 1' Of Additional Door Height, Add</i>	221.78 30.53	47.27
08 17 23 00-0025	EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	231.06 32.76	47.27
08 17 23 00-0026	EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	239.23 33.82	49.17
08 17 23 00-0027	EA 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	251.82 35.93	51.06
08 17 23 00-0028	EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	268.28 39.88	51.06
08 17 23 00-0029	EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	282.71 42.43	52.95
08 17 23 00-0030	EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	409.51 61.07	77.54
08 17 23 00-0031	EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	439.39 65.52	83.21
08 17 23 00-0032	EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	477.16 71.86	88.88
08 17 23 00-0033	Solid Core Doors, 1-3/8" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0034	Birch Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0035	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	369.50 65.99	47.27
08 17 23 00-0036	EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	383.96 69.46	47.27
08 17 23 00-0037	EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	402.15 72.92	49.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0038 EA 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	423.54 77.14	51.06
08 17 23 00-0039 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	458.83 85.61	51.06
08 17 23 00-0040 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	493.80 93.10	52.95
08 17 23 00-0041 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	704.94 131.97	77.54
08 17 23 00-0042 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	745.19 138.91	83.21
08 17 23 00-0043 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	820.59 154.28	88.88
08 17 23 00-0044 Luan Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0045 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	332.59 57.13	47.27
08 17 23 00-0046 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	345.68 60.27	47.27
08 17 23 00-0047 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	362.52 63.41	49.17
08 17 23 00-0048 EA 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	379.51 66.58	51.06
08 17 23 00-0049 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	410.02 73.90	51.06
08 17 23 00-0050 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	433.51 78.63	52.95
08 17 23 00-0051 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	631.13 114.25	77.54
08 17 23 00-0052 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	668.66 120.54	83.21
08 17 23 00-0053 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	732.54 133.15	88.88
08 17 23 00-0054 Tempered Hardboard Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0055 EA 2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	299.73 49.24	47.27
08 17 23 00-0056 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	311.61 52.09	47.27
08 17 23 00-0057 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	327.30 54.95	49.17
08 17 23 00-0058 EA 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	335.48 56.01	51.06
08 17 23 00-0059 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	361.22 62.19	51.06
08 17 23 00-0060 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	381.60 66.17	52.95
08 17 23 00-0061 PR Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	565.40 98.48	77.54
08 17 23 00-0062 PR Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	600.49 104.18	83.21
08 17 23 00-0063 PR Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	644.48 112.02	88.88
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0065 Birch Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0066 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	327.93 56.01	47.27
08 17 23 00-0067 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	336.73 58.12	47.27
08 17 23 00-0068 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	343.76 58.90	49.17
08 17 23 00-0069 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	361.90 62.35	51.06
08 17 23 00-0070 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	400.01 71.50	51.06
08 17 23 00-0071 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	448.32 82.18	52.95
08 17 23 00-0072 EA Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	621.83 112.02	77.54
08 17 23 00-0073 EA Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	650.75 116.24	83.21
08 17 23 00-0074 EA Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	697.35 124.70	88.88
08 17 23 00-0075 Luan Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0076 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	300.72 49.48	47.27

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	314.93		47.27
		<i>For Each 1' Of Additional Door Height, Add</i>	52.89		
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	330.23		49.17
		<i>For Each 1' Of Additional Door Height, Add</i>	55.66		
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	338.57		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	56.75		
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	364.57		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	62.99		
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	385.15		52.95
		<i>For Each 1' Of Additional Door Height, Add</i>	67.02		
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	567.41		77.54
		<i>For Each 1' Of Additional Door Height, Add</i>	98.96		
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	607.15		83.21
		<i>For Each 1' Of Additional Door Height, Add</i>	105.78		
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door.....	650.69		88.88
		<i>For Each 1' Of Additional Door Height, Add</i>	113.50		
08 17 23 00-0085		Tempered Hardboard Faced <small>(08 17 23 00-0064)</small>			
08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	253.06		47.27
		<i>For Each 1' Of Additional Door Height, Add</i>	38.04		
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	257.48		47.27
		<i>For Each 1' Of Additional Door Height, Add</i>	39.10		
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	270.06		49.17
		<i>For Each 1' Of Additional Door Height, Add</i>	41.22		
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	282.65		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	43.33		
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	292.71		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	45.74		
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	308.70		52.95
		<i>For Each 1' Of Additional Door Height, Add</i>	48.67		
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	472.06		77.54
		<i>For Each 1' Of Additional Door Height, Add</i>	76.08		
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	492.25		83.21
		<i>For Each 1' Of Additional Door Height, Add</i>	78.20		
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	538.85		88.88
		<i>For Each 1' Of Additional Door Height, Add</i>	86.66		
08 17 23 00-0095		Solid Core Doors, 1-3/4" Thick <small>(08 17 23 00-0001)</small>			
08 17 23 00-0096		Birch Faced <small>(08 17 23 00-0095)</small>			
08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	411.60		47.27
		<i>For Each 1' Of Additional Door Height, Add</i>	76.09		
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	424.80		47.27
		<i>For Each 1' Of Additional Door Height, Add</i>	79.26		
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	432.98		49.17
		<i>For Each 1' Of Additional Door Height, Add</i>	80.32		
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	449.96		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	83.48		
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	488.23		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	92.67		
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	530.66		52.95
		<i>For Each 1' Of Additional Door Height, Add</i>	101.94		
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	789.14		77.54
		<i>For Each 1' Of Additional Door Height, Add</i>	152.18		
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	826.87		83.21
		<i>For Each 1' Of Additional Door Height, Add</i>	158.51		
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	873.46		88.88
		<i>For Each 1' Of Additional Door Height, Add</i>	166.97		
08 17 23 00-0106		Luan Faced <small>(08 17 23 00-0095)</small>			
08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	418.56		47.27
		<i>For Each 1' Of Additional Door Height, Add</i>	77.76		
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	419.50		47.27
		<i>For Each 1' Of Additional Door Height, Add</i>	77.99		
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	432.61		49.17
		<i>For Each 1' Of Additional Door Height, Add</i>	80.23		
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	443.15		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	81.85		
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	473.97		51.06
		<i>For Each 1' Of Additional Door Height, Add</i>	89.25		
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	501.55		52.95
		<i>For Each 1' Of Additional Door Height, Add</i>	94.96		
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	803.09		77.54
		<i>For Each 1' Of Additional Door Height, Add</i>	155.52		
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	816.29		83.21
		<i>For Each 1' Of Additional Door Height, Add</i>	155.97		
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	859.83		88.88
		<i>For Each 1' Of Additional Door Height, Add</i>	163.70		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0116 Tempered Hardboard Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0117 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	345.54 60.24	47.27
08 17 23 00-0118 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	349.93 61.29	47.27
08 17 23 00-0119 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	358.12 62.35	49.17
08 17 23 00-0120 EA 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	370.72 64.46	51.06
08 17 23 00-0121 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	390.42 69.19	51.06
08 17 23 00-0122 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	412.66 73.62	52.95
08 17 23 00-0123 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	657.02 120.47	77.54
08 17 23 00-0124 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	677.16 122.58	83.21
08 17 23 00-0125 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	714.96 128.93	88.88
08 17 23 00-0126 Oak Or Maple Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0127 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	493.19 95.67	47.27
08 17 23 00-0128 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	495.63 96.26	47.27
08 17 23 00-0129 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	520.01 101.20	49.17
08 17 23 00-0130 EA 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	529.17 102.49	51.06
08 17 23 00-0131 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	575.46 113.60	51.06
08 17 23 00-0132 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	634.10 126.77	52.95
08 17 23 00-0133 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	952.33 191.35	77.54
08 17 23 00-0134 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	968.56 192.51	83.21
08 17 23 00-0135 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,031.86 204.98	88.88
08 17 23 00-0136 Walnut Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0137 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	617.69 125.55	47.27
08 17 23 00-0138 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	639.44 130.77	47.27
08 17 23 00-0139 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	650.50 132.52	49.17
08 17 23 00-0140 EA 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	676.06 137.75	51.06
08 17 23 00-0141 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	739.20 152.90	51.06
08 17 23 00-0142 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	806.75 168.20	52.95
08 17 23 00-0143 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,201.32 251.10	77.54
08 17 23 00-0144 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	1,256.15 261.54	83.21
08 17 23 00-0145 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,325.66 275.50	88.88
08 30 Specialty Doors And Frames <small>(08)</small>		
08 31 Access Doors And Panels <small>(08 30)</small>		
See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.		
08 31 13 Access Doors And Frames <small>(08 31)</small>		
08 31 13 00-0001 Stainless Steel Access Doors <small>(08 31 13)</small>		
08 31 13 00-0002 Fire Rated Stainless Steel Access Doors <small>(08 31 13 00-0001)</small>		
08 31 13 00-0003 EA 12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	290.69	41.37
08 31 13 00-0004 EA 12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	337.86	44.08
08 31 13 00-0005 EA 18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	394.00	46.62
08 31 13 00-0006 EA 24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	454.27	48.98
08 31 13 00-0007 EA 24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	464.62	49.24
08 31 13 00-0008 EA 24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	600.88	50.76
08 31 13 00-0009 Stainless Steel Access Doors <small>(08 31 13 00-0001)</small>		

08 Openings
08 30 Specialty Doors And Frames
08 31 Access Doors And Panels



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0010 EA 8" x 8" Stainless Steel Access Door With Cam Latch	119.14	31.73
08 31 13 00-0011 EA 12" x 12" Stainless Steel Access Door With Cam Latch	141.77	41.37
08 31 13 00-0012 EA 12" x 18" Stainless Steel Access Door With Cam Latch	199.98	44.08
08 31 13 00-0013 EA 18" x 18" Stainless Steel Access Door With Cam Latch	214.57	46.62
08 31 13 00-0014 EA 24" x 18" Stainless Steel Access Door With Cam Latch	248.43	48.98
08 31 13 00-0015 EA 24" x 24" Stainless Steel Access Door With Cam Latch	282.28	49.24
08 31 13 00-0016 Steel Access Doors (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0017 Fire Rated Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0018 EA 12" x 12" Fire Rated Steel Access Door With Cam Latch	172.80	41.62
08 31 13 00-0019 EA 12" x 18" Fire Rated Steel Access Door With Cam Latch	211.69	44.08
08 31 13 00-0020 EA 18" x 18" Fire Rated Steel Access Door With Cam Latch	212.35	46.62
08 31 13 00-0021 EA 24" x 18" Fire Rated Steel Access Door With Cam Latch	250.33	49.24
08 31 13 00-0022 EA 24" x 24" Fire Rated Steel Access Door With Cam Latch	260.99	49.24
08 31 13 00-0023 EA 24" x 36" Fire Rated Steel Access Door With Cam Latch	343.14	50.76
08 31 13 00-0024 EA 24" x 48" Fire Rated Steel Access Door With Cam Latch	393.56	52.88
08 31 13 00-0025 EA 36" x 36" Fire Rated Steel Access Door With Cam Latch	481.79	52.88
08 31 13 00-0026 EA 48" x 48" Fire Rated Steel Access Door With Cam Latch	616.62	63.45
08 31 13 00-0027 Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0028 EA 8" x 8" Steel Access Door With Cam Latch	93.93	31.90
08 31 13 00-0029 EA 12" x 12" Steel Access Door With Cam Latch	100.55	41.62
08 31 13 00-0030 EA 12" x 18" Steel Access Door With Cam Latch	114.58	44.08
08 31 13 00-0031 EA 18" x 18" Steel Access Door With Cam Latch	118.19	46.62
08 31 13 00-0032 EA 24" x 18" Steel Access Door With Cam Latch	138.41	49.24
08 31 13 00-0033 EA 24" x 24" Steel Access Door With Cam Latch	141.35	49.24
08 31 13 00-0034 EA 24" x 36" Steel Access Door With Cam Latch	182.66	50.76
08 31 13 00-0035 EA 36" x 36" Steel Access Door With Cam Latch	235.95	52.88
08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0037 EA 8" x 8" Recessed Steel Access Door With Cam Latch	129.18	31.73
For Recessed Doors In Acoustical Tile, Add	15.52	
08 31 13 00-0038 EA 12" x 12" Recessed Steel Access Door With Cam Latch	135.49	34.01
For Recessed Doors In Acoustical Tile, Add	17.07	
08 31 13 00-0039 EA 12" x 18" Recessed Steel Access Door With Cam Latch	145.41	35.95
For Recessed Doors In Acoustical Tile, Add	17.76	
08 31 13 00-0040 EA 18" x 18" Recessed Steel Access Door With Cam Latch	169.12	38.07
For Recessed Doors In Acoustical Tile, Add	16.51	
08 31 13 00-0041 EA 24" x 18" Recessed Steel Access Door With Cam Latch	177.98	40.18
For Recessed Doors In Acoustical Tile, Add	17.51	
08 31 13 00-0042 EA 24" x 24" Recessed Steel Access Door With Cam Latch	193.48	40.18
For Recessed Doors In Acoustical Tile, Add	15.19	
08 31 13 00-0043 EA 24" x 36" Recessed Steel Access Door With Cam Latch	241.28	50.76
For Recessed Doors In Acoustical Tile, Add	19.65	
08 31 13 00-0044 EA 36" x 36" Recessed Steel Access Door With Cam Latch	337.58	52.88
For Recessed Doors In Acoustical Tile, Add	7.53	
08 31 13 00-0045 Steel Crawl Space Doors And Frames (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0046 EA 24" x 24" Steel Crawl Space Door With Cam Latch	149.91	53.55
08 31 13 00-0047 EA 30" x 24" Steel Crawl Space Door With Cam Latch	207.85	64.89
08 31 13 00-0048 EA 30" x 30" Steel Crawl Space Door With Cam Latch	232.36	70.48
08 32 Sliding Glass Doors (08 30) Note: Includes stock frames, trim, necessary anchors and Usual hardware.		
08 32 13 Sliding Aluminum-Framed Glass Doors (08 32)		
08 32 13 00-0001 Residential Metal Sliding Glass Door (08 32 13)		
08 32 13 00-0002 Door With 5/8" Insulating Glass (08 32 13 00-0001)		
08 32 13 00-0003 SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	19.63	3.40
For Custom Quality, Add	2.66	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	1.91	
08 32 13 00-0004 SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	15.41	2.11
For Custom Quality, Add	2.54	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	1.83	
08 32 13 00-0005 Door With 1" Insulating Glass (08 32 13 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 32 13 00-0006 SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	21.53	3.40
<i>For Custom Quality, Add</i>	3.13	
<i>For Tempered Glass, Add</i>	1.42	
<i>For Anodized Or Colored Aluminum Frames, Add</i>	2.26	
08 32 13 00-0007 SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	17.29	2.11
<i>For Custom Quality, Add</i>	3.01	
<i>For Tempered Glass, Add</i>	1.42	
<i>For Anodized Or Colored Aluminum Frames, Add</i>	2.17	
08 32 13 00-0008 Door With 1/4" Tempered Plate Glass 3.2/SF <small>(08 32 13 00-0001)</small>		
08 32 13 00-0009 SF Up To 6' Wide Sliding Glass Door 1/4" Insulated Glass With Frame, Trim, Hardware.....	18.07	3.40
08 32 13 00-0010 SF >6' Up To 12' Wide Sliding Glass Door 1/4" Insulated Glass With Frame, Trim, Hardware.....	13.44	2.11
08 32 19 Sliding Wood-Framed Glass Doors <small>(08 32)</small>		
08 32 19 00-0001 Residential Wood Sliding Doors With 5/8" Glass <small>(08 32 19)</small>		
08 32 19 00-0002 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,480.92	102.12
08 32 19 00-0003 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,807.88	124.81
08 32 19 00-0004 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,089.11	143.72
08 32 19 00-0005 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	1,629.47	102.12
08 32 19 00-0006 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	1,999.74	124.81
08 32 19 00-0007 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,326.55	143.72
08 33 Coiling Doors And Grilles <small>(08 30)</small>		
08 33 13 Coiling Counter Doors <small>(08 33)</small>		
08 33 13 00-0001 Aluminum Overhead Coiling Counter Shutters <small>(08 33 13)</small>		
<small>Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.</small>		
08 33 13 00-0002 EA 4' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,800.36	332.25
<i>For Steel Doors, Deduct</i>	-35.00	
<i>For Stainless Steel Doors, Add</i>	78.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	733.06	
08 33 13 00-0003 EA 6' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,007.34	332.25
<i>For Steel Doors, Deduct</i>	-71.00	
<i>For Stainless Steel Doors, Add</i>	130.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	733.06	
08 33 13 00-0004 EA 8' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,256.20	353.01
<i>For Steel Doors, Deduct</i>	-115.00	
<i>For Stainless Steel Doors, Add</i>	225.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	737.25	
08 33 13 00-0005 EA 10' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,623.78	415.31
<i>For Steel Doors, Deduct</i>	-142.00	
<i>For Stainless Steel Doors, Add</i>	315.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	753.31	
08 33 13 00-0006 EA 4' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,259.06	332.25
<i>For Steel Doors, Deduct</i>	-40.00	
<i>For Stainless Steel Doors, Add</i>	85.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	733.06	
08 33 13 00-0007 EA 6' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,259.33	369.13
<i>For Steel Doors, Deduct</i>	-80.00	
<i>For Stainless Steel Doors, Add</i>	145.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	742.29	
08 33 13 00-0008 EA 10' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,788.66	415.31
<i>For Steel Doors, Deduct</i>	-156.00	
<i>For Stainless Steel Doors, Add</i>	240.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	753.83	
08 33 13 00-0009 Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters <small>(08 33 13)</small>		
<small>Note: Includes stainless steel frame and sill, necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.</small>		
08 33 13 00-0010 EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,095.87	332.25
<i>For Steel Doors, Deduct</i>	-35.00	
<i>For Stainless Steel Doors, Add</i>	78.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	733.06	
08 33 13 00-0011 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,468.68	332.25
<i>For Steel Doors, Deduct</i>	-71.00	
<i>For Stainless Steel Doors, Add</i>	130.00	
<i>For Fire Rated, Add</i>	65.00	
<i>For Motor Operator (With Safety Reverse), Add</i>	733.06	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0012 EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,897.41	353.01
For Steel Doors, Deduct	-115.00	
For Stainless Steel Doors, Add	225.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	737.25	
08 33 13 00-0013 EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,468.95	415.31
For Steel Doors, Deduct	-142.00	
For Stainless Steel Doors, Add	315.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	753.31	
08 33 13 00-0014 EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,314.84	332.25
For Steel Doors, Deduct	-40.00	
For Stainless Steel Doors, Add	85.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	733.06	
08 33 13 00-0015 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,750.57	369.13
For Steel Doors, Deduct	-80.00	
For Stainless Steel Doors, Add	145.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	742.29	
08 33 13 00-0016 EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,926.10	415.31
For Steel Doors, Deduct	-156.00	
For Stainless Steel Doors, Add	240.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	753.83	

08 33 23 Overhead Coiling Doors (08 33)

08 33 23 00-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23)

08 33 23 00-0002 26 Gauge Galvanized Steel Overhead Coiling Doors, Storage Unit Style (08 33 23 00-0001)

08 33 23 00-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	604.30	208.01
08 33 23 00-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	668.07	226.93
08 33 23 00-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	665.03	226.93
08 33 23 00-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	732.81	245.83
08 33 23 00-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	725.82	245.83
08 33 23 00-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	793.26	264.74
08 33 23 00-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	872.26	283.66
08 33 23 00-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	766.66	245.83
08 33 23 00-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	826.22	264.74
08 33 23 00-0012 EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	895.34	283.66
08 33 23 00-0013 EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	993.69	302.57
08 33 23 00-0014 EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	928.94	302.57
08 33 23 00-0015 EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	973.77	302.57
08 33 23 00-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,071.39	321.47
08 33 23 00-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,140.02	340.39

08 33 23 00-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)

Note: With curtain hood (barrel cover).

08 33 23 00-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,922.25	245.83
For Insulated, Add	1,109.81	
08 33 23 00-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,009.51	264.74
For Insulated, Add	1,149.73	
08 33 23 00-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,230.19	302.57
For Insulated, Add	1,264.18	
08 33 23 00-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,381.04	302.57
For Insulated, Add	1,377.32	
08 33 23 00-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,173.77	302.57
For Insulated, Add	1,221.86	
08 33 23 00-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,286.54	302.57
For Insulated, Add	1,306.44	
08 33 23 00-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,474.86	340.39
For Insulated, Add	1,396.68	
08 33 23 00-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,637.38	340.39
For Insulated, Add	1,518.57	
08 33 23 00-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,397.07	340.39
For Insulated, Add	1,338.34	
08 33 23 00-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,603.44	378.20
For Insulated, Add	1,442.00	
08 33 23 00-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,923.20	472.76
For Insulated, Add	1,554.18	
08 33 23 00-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,160.60	472.76
For Insulated, Add	1,732.23	
08 33 23 00-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,135.87	472.76
For Insulated, Add	1,713.68	
08 33 23 00-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,407.82	472.76
For Insulated, Add	1,917.65	
08 33 23 00-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,696.24	472.76
For Insulated, Add	2,133.96	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0034				22 Gauge Galvanized Steel Overhead Coiling Doors <small>(08 33 23 00-0001)</small>		
				Note: With curtain hood (barrel cover).		
08 33 23 00-0035	EA			4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,686.45	226.93
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	184.90	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	308.16	
				For Insulated, Add	958.52	
08 33 23 00-0036	EA			4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,847.59	245.83
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	203.39	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	338.98	
				For Insulated, Add	1,053.80	
08 33 23 00-0037	EA			4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,966.86	264.74
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	215.60	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	359.33	
				For Insulated, Add	1,117.69	
08 33 23 00-0038	EA			6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,862.19	245.83
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	205.58	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	342.63	
				For Insulated, Add	1,064.75	
08 33 23 00-0039	EA			6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,037.10	264.74
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	226.13	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	376.89	
				For Insulated, Add	1,170.37	
08 33 23 00-0040	EA			6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,238.61	302.57
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	245.02	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	408.37	
				For Insulated, Add	1,270.49	
08 33 23 00-0041	EA			6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,701.79	340.39
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	303.16	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	505.27	
				For Insulated, Add	1,566.86	
08 33 23 00-0042	EA			6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,165.07	378.20
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	361.30	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	602.17	
				For Insulated, Add	1,863.23	
08 33 23 00-0043	EA			8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,007.38	245.83
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	227.35	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	378.92	
				For Insulated, Add	1,173.64	
08 33 23 00-0044	EA			8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,272.38	302.57
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	250.09	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	416.81	
				For Insulated, Add	1,295.82	
08 33 23 00-0045	EA			8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,561.54	378.20
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	270.77	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	451.28	
				For Insulated, Add	1,410.58	
08 33 23 00-0046	EA			8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,007.33	416.03
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	326.31	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	543.85	
				For Insulated, Add	1,693.93	
08 33 23 00-0047	EA			8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,453.46	453.84
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	381.84	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	636.41	
				For Insulated, Add	1,977.30	
08 33 23 00-0048	EA			10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,607.23	387.66
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	274.79	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	457.98	
				For Insulated, Add	1,432.07	
08 33 23 00-0049	EA			10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,981.64	472.76
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	305.42	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	509.03	
				For Insulated, Add	1,598.01	
08 33 23 00-0050	EA			10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,558.01	567.31
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	363.54	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	605.91	
				For Insulated, Add	1,902.79	
08 33 23 00-0051	EA			10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,172.55	680.77
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	421.67	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	702.78	
				For Insulated, Add	2,210.45	
08 33 23 00-0052	EA			10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,816.61	832.06
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	472.80	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	787.99	
				For Insulated, Add	2,488.83	
08 33 23 00-0053	EA			10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,307.63	907.70
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	523.92	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	873.21	
				For Insulated, Add	2,755.73	
08 33 23 00-0054	EA			10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,799.40	983.34
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	575.05	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	958.42	
				For Insulated, Add	3,022.68	
08 33 23 00-0055	EA			10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,290.69	1,058.98
				For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	625.96	
				For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,043.27	
				For Insulated, Add	3,288.62	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0056	EA		12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,957.67	453.84
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	307.47	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	512.46	
			<i>For Insulated, Add</i>	1,605.46	
08 33 23 00-0057	EA		12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,396.05	567.31
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	339.25	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	565.42	
			<i>For Insulated, Add</i>	1,781.32	
08 33 23 00-0058	EA		12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,060.36	642.95
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	416.22	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	693.70	
			<i>For Insulated, Add</i>	2,177.52	
08 33 23 00-0059	EA		12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,800.77	756.41
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	493.19	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	821.99	
			<i>For Insulated, Add</i>	2,579.42	
08 33 23 00-0060	EA		12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,544.68	907.70
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	559.48	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	932.47	
			<i>For Insulated, Add</i>	2,933.51	
08 33 23 00-0061	EA		12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,137.53	983.34
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	625.77	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,042.95	
			<i>For Insulated, Add</i>	3,276.28	
08 33 23 00-0062	EA		12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,807.51	1,096.80
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	692.06	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,153.43	
			<i>For Insulated, Add</i>	3,624.83	
08 33 23 00-0063	EA		12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,476.94	1,210.26
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	758.35	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,263.91	
			<i>For Insulated, Add</i>	3,973.33	
08 33 23 00-0064			20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
			Note: With curtain hood (barrel cover)		
08 33 23 00-0065	EA		14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,753.98	567.31
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	392.94	
			<i>For Insulated, Add</i>	2,049.77	
08 33 23 00-0066	EA		14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,260.82	642.95
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	446.29	
			<i>For Insulated, Add</i>	2,327.87	
08 33 23 00-0067	EA		14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,862.51	718.60
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	513.83	
			<i>For Insulated, Add</i>	2,676.94	
08 33 23 00-0068	EA		14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,405.81	794.23
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	572.51	
			<i>For Insulated, Add</i>	2,981.72	
08 33 23 00-0069	EA		14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,131.19	945.51
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	636.02	
			<i>For Insulated, Add</i>	3,321.95	
08 33 23 00-0070	EA		14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,705.17	1,021.16
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	699.45	
			<i>For Insulated, Add</i>	3,650.43	
08 33 23 00-0071	EA		14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,995.06	1,134.62
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	858.74	
			<i>For Insulated, Add</i>	4,463.94	
08 33 23 00-0072	EA		14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,281.57	1,248.08
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,018.02	
			<i>For Insulated, Add</i>	5,277.21	
08 33 23 00-0073	EA		16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,637.50	680.77
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	491.41	
			<i>For Insulated, Add</i>	2,559.16	
08 33 23 00-0074	EA		16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,208.20	756.41
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	554.31	
			<i>For Insulated, Add</i>	2,884.99	
08 33 23 00-0075	EA		16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,796.80	869.87
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	608.57	
			<i>For Insulated, Add</i>	3,173.32	
08 33 23 00-0076	EA		16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,401.24	983.34
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	665.33	
			<i>For Insulated, Add</i>	3,474.06	
08 33 23 00-0077	EA		16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,979.49	1,058.98
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	729.28	
			<i>For Insulated, Add</i>	3,805.22	
08 33 23 00-0078	EA		16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,649.00	1,134.62
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	806.83	
			<i>For Insulated, Add</i>	4,204.40	
08 33 23 00-0079	EA		16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,640.83	1,210.26
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	932.93	
			<i>For Insulated, Add</i>	4,846.25	
08 33 23 00-0080	EA		16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,641.78	1,285.90
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,060.34	
			<i>For Insulated, Add</i>	5,494.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0081 EA 18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,095.02 514.56 2,697.63	832.06
08 33 23 00-0082 EA 18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,609.27 569.17 2,981.96	907.70
08 33 23 00-0083 EA 18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,428.02 657.88 3,442.56	1,021.16
08 33 23 00-0084 EA 18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,136.02 729.88 3,819.66	1,134.62
08 33 23 00-0085 EA 18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,771.64 802.55 4,194.35	1,210.26
08 33 23 00-0086 EA 18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	8,408.23 875.31 4,569.51	1,285.90
08 33 23 00-0087 EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	9,563.21 1,025.76 5,333.14	1,361.54
08 33 23 00-0088 EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	10,741.79 1,180.18 6,116.45	1,437.18
08 33 23 00-0089 EA 20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,716.33 585.23 3,062.25	907.70
08 33 23 00-0090 EA 20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,658.88 703.97 3,667.29	983.34
08 33 23 00-0091 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001) Note: With curtain hood (barrel cover).		
08 33 23 00-0092 EA 20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,903.63 4,446.92	1,096.80
08 33 23 00-0093 EA 20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	8,941.61 5,122.53	1,172.44
08 33 23 00-0094 EA 20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,134.47 5,914.66	1,248.08
08 33 23 00-0095 EA 20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,473.45 6,817.34	1,323.73
08 33 23 00-0096 EA 20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	12,817.81 7,725.12	1,399.37
08 33 23 00-0097 EA 20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,190.41 8,651.47	1,475.01
08 33 23 00-0098 EA 22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	6,386.56 3,463.05	983.34
08 33 23 00-0099 EA 22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,478.10 4,179.18	1,058.98
08 33 23 00-0100 EA 22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	8,814.49 5,027.19	1,172.44
08 33 23 00-0101 EA 22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,170.59 5,943.97	1,248.08
08 33 23 00-0102 EA 22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,536.50 6,864.63	1,323.73
08 33 23 00-0103 EA 22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	13,044.52 7,895.15	1,399.37
08 33 23 00-0104 EA 22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,561.27 8,929.61	1,475.01
08 33 23 00-0105 EA 22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	16,065.40 9,956.51	1,550.64
08 33 23 00-0106 EA 24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	6,999.48 3,820.22	1,058.98
08 33 23 00-0107 EA 24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,794.35 4,313.41	1,134.62
08 33 23 00-0108 EA 24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	9,550.65 5,479.02	1,248.08
08 33 23 00-0109 EA 24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,072.32 6,516.50	1,323.73
08 33 23 00-0110 EA 24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	12,528.94 7,508.47	1,399.37
08 33 23 00-0111 EA 24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,135.30 8,610.14	1,475.01
08 33 23 00-0112 EA 24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	16,010.36 9,915.23	1,550.64
08 33 23 00-0113 EA 24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	17,939.45 11,257.60	1,626.28
08 33 23 00-0114 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23)		
08 33 23 00-0115 0.04" Aluminum Overhead Coiling Doors (08 33 23 00-0114)		
08 33 23 00-0116 EA 4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,444.15	226.93
08 33 23 00-0117 EA 4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,579.12	245.83

08 Openings
08 30 Specialty Doors And Frames
08 33 Coiling Doors And Grilles



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 00-0118	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,979.28	264.74
08 33 23 00-0119	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,775.35	245.83
08 33 23 00-0120	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,933.33	264.74
08 33 23 00-0121	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,129.06	302.57
08 33 23 00-0122	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,360.83	340.39
08 33 23 00-0123	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,595.32	378.20
08 33 23 00-0124	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,923.60	245.83
08 33 23 00-0125	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,199.64	302.57
08 33 23 00-0126	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,516.04	378.20
08 33 23 00-0127	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,747.94	416.03
08 33 23 00-0128	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,981.04	453.84
08 33 23 00-0129	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,566.60	397.11
08 33 23 00-0130	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,879.27	472.76
08 33 23 00-0131	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,267.20	567.31
08 33 23 00-0132	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,694.39	680.77
08 33 23 00-0133	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,339.87	832.06
08 33 23 00-0134	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,832.24	907.70
08 33 23 00-0135	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,322.08	983.34
08 33 23 00-0136	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,813.85	1,058.98
08 33 23 00-0137	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,837.55	453.84
08 33 23 00-0138	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,453.91	567.31
08 33 23 00-0139	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,908.87	642.95
08 33 23 00-0140	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,441.78	756.41
08 33 23 00-0141	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,157.76	907.70
08 33 23 00-0142	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,724.24	983.34
08 33 23 00-0143	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,139.16	1,096.80
08 33 23 00-0144	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,555.66	1,210.26

08 33 23 00-0145 0.05" Aluminum Overhead Coiling Doors (08 33 23 00-0114)

08 33 23 00-0146	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,303.42	567.31
08 33 23 00-0147	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,888.38	642.95
08 33 23 00-0148	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,463.33	718.60
08 33 23 00-0149	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,997.93	794.23
08 33 23 00-0150	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,715.71	945.51
08 33 23 00-0151	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,282.66	1,021.16
08 33 23 00-0152	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,935.48	1,134.62
08 33 23 00-0153	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,585.02	1,248.08
08 33 23 00-0154	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,921.92	680.77
08 33 23 00-0155	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,531.51	756.41
08 33 23 00-0156	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,193.44	869.87
08 33 23 00-0157	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,871.26	983.34
08 33 23 00-0158	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,521.14	1,058.98
08 33 23 00-0159	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,210.15	1,134.62
08 33 23 00-0160	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,866.95	1,210.26
08 33 23 00-0161	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,484.39	1,285.90
08 33 23 00-0162	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,508.77	832.06
08 33 23 00-0163	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,156.91	907.70
08 33 23 00-0164	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,940.48	1,021.16
08 33 23 00-0165	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,714.72	1,134.62
08 33 23 00-0166	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,420.32	1,210.26
08 33 23 00-0167	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,121.19	1,285.90
08 33 23 00-0168	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,821.22	1,361.54
08 33 23 00-0169	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,523.45	1,437.18
08 33 23 00-0170	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,043.97	907.70
08 33 23 00-0171	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,704.41	983.34
08 33 23 00-0172	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,783.38	1,096.80
08 33 23 00-0173	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,438.93	1,172.44
08 33 23 00-0174	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,211.26	1,248.08
08 33 23 00-0175	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,011.85	1,323.73
08 33 23 00-0176	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,766.50	1,399.37
08 33 23 00-0177	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,551.99	1,475.01
08 33 23 00-0178	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,768.59	983.34
08 33 23 00-0179	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,527.47	1,058.98
08 33 23 00-0180	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,545.45	1,172.44
08 33 23 00-0181	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,421.72	1,248.08
08 33 23 00-0182	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,301.91	1,323.73
08 33 23 00-0183	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,186.19	1,399.37
08 33 23 00-0184	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,025.58	1,475.01
08 33 23 00-0185	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,868.56	1,550.64
08 33 23 00-0186	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,317.05	1,058.98
08 33 23 00-0187	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,861.03	1,134.62
08 33 23 00-0188	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,166.33	1,248.08
08 33 23 00-0189	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,153.01	1,323.73
08 33 23 00-0190	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,082.23	1,399.37
08 33 23 00-0191	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,015.32	1,475.01
08 33 23 00-0192	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,079.05	1,550.64
08 33 23 00-0193	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,186.12	1,626.28



Openings	08	08
Specialty Doors And Frames	08 30	
Coiling Doors And Grilles	08 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0194 Removal And Reinstallation Of Roll-Up Door And Support <small>(08 33 23)</small> Note: Includes storage, cleaning and supply materials.		
08 33 23 00-0195 SF Remove And Reinstall Metal Roll-up Door And Supports.....	16.08	
08 33 23 00-0196 Overhead Coiling Door Accessories <small>(08 33 23)</small>		
08 33 23 00-0197 LF Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	2.12	0.95
08 33 23 00-0198 LF Top Of Door (Lintel), Weather Strip Seal For Coiling Doors.....	21.19	1.14
08 33 23 00-0199 LF Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	16.49	1.14
08 33 23 00-0200 EA Cylinder Lock For Coiling Doors.....	168.03	47.27
08 33 23 00-0201 EA Jackshaft Operator For Coiling Doors.....	1,037.98	151.28
08 33 23 00-0202 EA Remote Transmitter Kit For Coiling Door Operators.....	226.84	75.64
Note: Includes three button inside station controls and mounting hardware.		
08 33 26 Overhead Coiling Grilles <small>(08 33)</small>		
Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
08 33 26 00-0001 Steel Overhead Coiling Grilles (Width x Height) <small>(08 33 26)</small>		
08 33 26 00-0002 EA 4' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,018.48	145.35
For Staggered Brick Pattern, Add	40.08	
For Lexan Lattice Pattern, Add	240.48	
For Aluminum With Clear Or Anodized Bronze Finish, Add	84.43	
For Staggered Brick Pattern, Add	150.31	
08 33 26 00-0003 EA 6' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,223.51	145.35
For Staggered Brick Pattern, Add	45.21	
For Lexan Lattice Pattern, Add	271.23	
For Aluminum With Clear Or Anodized Bronze Finish, Add	116.18	
For Staggered Brick Pattern, Add	203.91	
08 33 26 00-0004 EA 8' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,568.89	193.79
For Staggered Brick Pattern, Add	50.38	
For Lexan Lattice Pattern, Add	302.27	
For Aluminum With Clear Or Anodized Bronze Finish, Add	147.95	
For Staggered Brick Pattern, Add	257.52	
08 33 26 00-0005 EA 12' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	3,062.30	193.79
For Staggered Brick Pattern, Add	62.71	
For Lexan Lattice Pattern, Add	376.28	
For Aluminum With Clear Or Anodized Bronze Finish, Add	211.46	
For Staggered Brick Pattern, Add	364.72	
08 33 26 00-0006 EA 16' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	4,147.50	290.72
For Staggered Brick Pattern, Add	82.92	
For Lexan Lattice Pattern, Add	497.53	
For Aluminum With Clear Or Anodized Bronze Finish, Add	316.79	
For Staggered Brick Pattern, Add	480.93	
08 33 26 00-0007 EA 20' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	5,232.70	387.49
For Staggered Brick Pattern, Add	103.13	
For Lexan Lattice Pattern, Add	618.78	
For Aluminum With Clear Or Anodized Bronze Finish, Add	422.11	
For Staggered Brick Pattern, Add	597.14	
08 33 26 00-0008 EA 24' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	6,530.85	465.15
For Staggered Brick Pattern, Add	129.99	
For Lexan Lattice Pattern, Add	779.96	
For Aluminum With Clear Or Anodized Bronze Finish, Add	506.54	
For Staggered Brick Pattern, Add	617.48	
08 33 26 00-0009 EA 30' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	8,016.99	581.44
For Staggered Brick Pattern, Add	158.89	
For Lexan Lattice Pattern, Add	953.36	
For Aluminum With Clear Or Anodized Bronze Finish, Add	592.89	
For Staggered Brick Pattern, Add	708.79	
08 33 26 00-0010 EA 4' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	2,174.99	145.35
For Staggered Brick Pattern, Add	43.99	
For Lexan Lattice Pattern, Add	263.95	
For Aluminum With Clear Or Anodized Bronze Finish, Add	126.63	
For Staggered Brick Pattern, Add	174.63	
08 33 26 00-0011 EA 6' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	2,469.46	145.35
For Staggered Brick Pattern, Add	51.35	
For Lexan Lattice Pattern, Add	308.12	
For Aluminum With Clear Or Anodized Bronze Finish, Add	189.93	
For Staggered Brick Pattern, Add	237.50	
08 33 26 00-0012 EA 8' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	2,781.59	193.87
For Staggered Brick Pattern, Add	55.70	
For Lexan Lattice Pattern, Add	334.18	
For Aluminum With Clear Or Anodized Bronze Finish, Add	253.22	
For Staggered Brick Pattern, Add	300.38	
08 33 26 00-0013 EA 12' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	3,350.10	193.87
For Staggered Brick Pattern, Add	69.91	
For Lexan Lattice Pattern, Add	419.45	
For Aluminum With Clear Or Anodized Bronze Finish, Add	379.90	
For Staggered Brick Pattern, Add	426.11	
08 33 26 00-0014 EA 16' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	4,551.17	290.72
For Staggered Brick Pattern, Add	93.01	
For Lexan Lattice Pattern, Add	558.08	
For Aluminum With Clear Or Anodized Bronze Finish, Add	506.54	
For Staggered Brick Pattern, Add	586.59	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0015	EA		20' x 6', Steel Overhead Coiling Grilles, Manual Lift	5,749.29	387.49
			<i>For Staggered Brick Pattern, Add</i>	116.12	
			<i>For Lexan Lattice Pattern, Add</i>	696.71	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	633.18	
			<i>For Staggered Brick Pattern, Add</i>	747.08	
08 33 26 00-0016	EA		24' x 6', Steel Overhead Coiling Grilles, Manual Lift	7,204.13	465.15
			<i>For Staggered Brick Pattern, Add</i>	146.83	
			<i>For Lexan Lattice Pattern, Add</i>	880.95	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	759.81	
			<i>For Staggered Brick Pattern, Add</i>	861.23	
08 33 26 00-0017	EA		30' x 6', Steel Overhead Coiling Grilles, Manual Lift	8,687.56	581.44
			<i>For Staggered Brick Pattern, Add</i>	175.66	
			<i>For Lexan Lattice Pattern, Add</i>	1,053.95	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	884.62	
			<i>For Staggered Brick Pattern, Add</i>	965.50	
08 33 26 00-0018	EA		4' x 8', Steel Overhead Coiling Grilles, Manual Lift	2,491.76	174.43
			<i>For Staggered Brick Pattern, Add</i>	49.84	
			<i>For Lexan Lattice Pattern, Add</i>	299.07	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	168.85	
			<i>For Staggered Brick Pattern, Add</i>	228.56	
08 33 26 00-0019	EA		6' x 8', Steel Overhead Coiling Grilles, Manual Lift	2,847.50	174.43
			<i>For Staggered Brick Pattern, Add</i>	58.74	
			<i>For Lexan Lattice Pattern, Add</i>	352.43	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	253.28	
			<i>For Staggered Brick Pattern, Add</i>	309.54	
08 33 26 00-0020	EA		8' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,418.41	218.04
			<i>For Staggered Brick Pattern, Add</i>	69.87	
			<i>For Lexan Lattice Pattern, Add</i>	419.22	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	337.69	
			<i>For Staggered Brick Pattern, Add</i>	390.52	
08 33 26 00-0021	EA		12' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,931.45	218.04
			<i>For Staggered Brick Pattern, Add</i>	82.70	
			<i>For Lexan Lattice Pattern, Add</i>	496.18	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	436.11	
			<i>For Staggered Brick Pattern, Add</i>	552.48	
08 33 26 00-0022	EA		16' x 8', Steel Overhead Coiling Grilles, Manual Lift	5,362.25	348.86
			<i>For Staggered Brick Pattern, Add</i>	109.10	
			<i>For Lexan Lattice Pattern, Add</i>	654.59	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	675.39	
			<i>For Staggered Brick Pattern, Add</i>	779.12	
08 33 26 00-0023	EA		20' x 8', Steel Overhead Coiling Grilles, Manual Lift	6,663.39	436.08
			<i>For Staggered Brick Pattern, Add</i>	135.50	
			<i>For Lexan Lattice Pattern, Add</i>	812.99	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	844.24	
			<i>For Staggered Brick Pattern, Add</i>	1,005.75	
08 33 26 00-0024	EA		24' x 8', Steel Overhead Coiling Grilles, Manual Lift	8,425.54	523.30
			<i>For Staggered Brick Pattern, Add</i>	173.29	
			<i>For Lexan Lattice Pattern, Add</i>	1,039.74	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,013.08	
			<i>For Staggered Brick Pattern, Add</i>	1,131.35	
08 33 26 00-0025	EA		30' x 8', Steel Overhead Coiling Grilles, Manual Lift	10,272.24	639.57
			<i>For Staggered Brick Pattern, Add</i>	211.27	
			<i>For Lexan Lattice Pattern, Add</i>	1,267.61	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,173.38	
			<i>For Staggered Brick Pattern, Add</i>	1,233.88	
08 33 26 00-0026	EA		4' x 10', Steel Overhead Coiling Grilles, Manual Lift	2,749.61	174.43
			<i>For Staggered Brick Pattern, Add</i>	56.29	
			<i>For Lexan Lattice Pattern, Add</i>	337.74	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	211.06	
			<i>For Staggered Brick Pattern, Add</i>	271.54	
08 33 26 00-0027	EA		6' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,221.09	174.43
			<i>For Staggered Brick Pattern, Add</i>	68.08	
			<i>For Lexan Lattice Pattern, Add</i>	408.47	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	316.58	
			<i>For Staggered Brick Pattern, Add</i>	385.59	
08 33 26 00-0028	EA		8' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,833.24	218.04
			<i>For Staggered Brick Pattern, Add</i>	80.29	
			<i>For Lexan Lattice Pattern, Add</i>	481.73	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	422.12	
			<i>For Staggered Brick Pattern, Add</i>	499.65	
08 33 26 00-0029	EA		12' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,475.77	218.04
			<i>For Staggered Brick Pattern, Add</i>	96.35	
			<i>For Lexan Lattice Pattern, Add</i>	578.11	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	633.18	
			<i>For Staggered Brick Pattern, Add</i>	727.77	
08 33 26 00-0030	EA		16' x 10', Steel Overhead Coiling Grilles, Manual Lift	6,076.37	348.86
			<i>For Staggered Brick Pattern, Add</i>	126.95	
			<i>For Lexan Lattice Pattern, Add</i>	761.70	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	844.24	
			<i>For Staggered Brick Pattern, Add</i>	1,003.50	
08 33 26 00-0031	EA		20' x 10', Steel Overhead Coiling Grilles, Manual Lift	7,545.42	436.08
			<i>For Staggered Brick Pattern, Add</i>	157.55	
			<i>For Lexan Lattice Pattern, Add</i>	945.30	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,055.29	
			<i>For Staggered Brick Pattern, Add</i>	1,279.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0032 EA 24' x 10', Steel Overhead Coiling Grilles, Manual Lift	9,491.22	523.30
For Staggered Brick Pattern, Add	199.93	
For Lexan Lattice Pattern, Add	1,199.59	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,266.51	
For Staggered Brick Pattern, Add	1,481.44	
08 33 26 00-0033 EA 30' x 10', Steel Overhead Coiling Grilles, Manual Lift	11,917.77	639.57
For Staggered Brick Pattern, Add	252.41	
For Lexan Lattice Pattern, Add	1,514.43	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,482.90	
For Staggered Brick Pattern, Add	1,659.54	
08 33 26 00-0034 EA 4' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,044.88	174.43
For Staggered Brick Pattern, Add	63.67	
For Lexan Lattice Pattern, Add	382.04	
For Aluminum With Clear Or Anodized Bronze Finish, Add	253.28	
For Staggered Brick Pattern, Add	313.88	
08 33 26 00-0035 EA 6' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,130.36	174.43
For Staggered Brick Pattern, Add	65.81	
For Lexan Lattice Pattern, Add	394.86	
For Aluminum With Clear Or Anodized Bronze Finish, Add	379.90	
For Staggered Brick Pattern, Add	460.37	
08 33 26 00-0036 EA 8' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,806.56	218.04
For Staggered Brick Pattern, Add	79.57	
For Lexan Lattice Pattern, Add	477.45	
For Aluminum With Clear Or Anodized Bronze Finish, Add	506.53	
For Staggered Brick Pattern, Add	606.86	
08 33 26 00-0037 EA 12' x 12', Steel Overhead Coiling Grilles, Manual Lift	5,091.39	218.04
For Staggered Brick Pattern, Add	111.70	
For Lexan Lattice Pattern, Add	670.17	
For Aluminum With Clear Or Anodized Bronze Finish, Add	759.78	
For Staggered Brick Pattern, Add	899.84	
08 33 26 00-0038 EA 16' x 12', Steel Overhead Coiling Grilles, Manual Lift	7,085.85	348.86
For Staggered Brick Pattern, Add	152.19	
For Lexan Lattice Pattern, Add	913.13	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,013.07	
For Staggered Brick Pattern, Add	1,251.04	
08 33 26 00-0039 EA 20' x 12', Steel Overhead Coiling Grilles, Manual Lift	8,950.63	436.08
For Staggered Brick Pattern, Add	192.68	
For Lexan Lattice Pattern, Add	1,156.08	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,266.35	
For Staggered Brick Pattern, Add	1,602.23	
08 33 26 00-0040 EA 24' x 12', Steel Overhead Coiling Grilles, Manual Lift	10,856.84	523.30
For Staggered Brick Pattern, Add	234.07	
For Lexan Lattice Pattern, Add	1,404.44	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,519.63	
For Staggered Brick Pattern, Add	1,694.14	
08 33 26 00-0041 EA 30' x 12', Steel Overhead Coiling Grilles, Manual Lift	13,543.57	639.57
For Staggered Brick Pattern, Add	293.05	
For Lexan Lattice Pattern, Add	1,758.30	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,761.02	
For Staggered Brick Pattern, Add	1,845.79	
08 33 26 00-0042 EA 4' x 14', Steel Overhead Coiling Grilles, Manual Lift	3,573.01	174.43
For Staggered Brick Pattern, Add	76.88	
For Lexan Lattice Pattern, Add	461.25	
For Aluminum With Clear Or Anodized Bronze Finish, Add	295.37	
For Staggered Brick Pattern, Add	580.56	
08 33 26 00-0043 EA 6' x 14', Steel Overhead Coiling Grilles, Manual Lift	4,149.63	174.43
For Staggered Brick Pattern, Add	91.29	
For Lexan Lattice Pattern, Add	547.75	
For Aluminum With Clear Or Anodized Bronze Finish, Add	443.15	
For Staggered Brick Pattern, Add	712.86	
08 33 26 00-0044 EA 8' x 14', Steel Overhead Coiling Grilles, Manual Lift	4,856.34	218.04
For Staggered Brick Pattern, Add	105.87	
For Lexan Lattice Pattern, Add	635.19	
For Aluminum With Clear Or Anodized Bronze Finish, Add	590.91	
For Staggered Brick Pattern, Add	830.07	
08 33 26 00-0045 EA 12' x 14', Steel Overhead Coiling Grilles, Manual Lift	6,067.61	218.04
For Staggered Brick Pattern, Add	136.15	
For Lexan Lattice Pattern, Add	816.88	
For Aluminum With Clear Or Anodized Bronze Finish, Add	886.45	
For Staggered Brick Pattern, Add	1,052.59	
08 33 26 00-0046 EA 16' x 14', Steel Overhead Coiling Grilles, Manual Lift	8,093.04	348.86
For Staggered Brick Pattern, Add	177.37	
For Lexan Lattice Pattern, Add	1,064.20	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,181.93	
For Staggered Brick Pattern, Add	1,408.17	
08 33 26 00-0047 EA 20' x 14', Steel Overhead Coiling Grilles, Manual Lift	9,986.96	436.08
For Staggered Brick Pattern, Add	218.59	
For Lexan Lattice Pattern, Add	1,311.53	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,477.40	
For Staggered Brick Pattern, Add	1,763.75	
08 33 26 00-0048 EA 24' x 14', Steel Overhead Coiling Grilles, Manual Lift	11,932.81	523.30
For Staggered Brick Pattern, Add	260.97	
For Lexan Lattice Pattern, Add	1,565.83	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,772.89	
For Staggered Brick Pattern, Add	2,000.29	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0049	EA		30' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,296.44 336.87 2,021.24 2,092.92 2,285.43	639.57
08 33 26 00-0050			Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0051	EA		Add For Motor Operator..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,659.13	35.30
08 33 26 00-0052	LF		For Safety Edge Bottom Bar, Electric, Add.....	48.48	
08 33 26 00-0053	LF		For Overhead Framed Rolling Grille Supports.....	71.97	
08 33 36			Side Coiling Grilles (08 33)		
08 33 36 00-0001			Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002	EA		12' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,154.05 94.01 564.06 506.54 552.48	487.74
08 33 36 00-0003	EA		18' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,311.37 138.03 828.19 776.99 884.89	626.54
08 33 36 00-0004	EA		24' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,508.89 181.29 1,087.77 1,013.08 1,131.35	790.00
08 33 36 00-0005	EA		30' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,557.58 226.62 1,359.71 1,173.38 1,233.88	872.15
08 33 36 00-0006	EA		12' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,285.96 117.43 704.58 633.18 727.77	556.11
08 33 36 00-0007	EA		18' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,947.50 172.64 1,035.85 932.51 1,105.11	714.26
08 33 36 00-0008	EA		24' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,473.08 222.50 1,334.99 1,266.51 1,481.44	900.31
08 33 36 00-0009	EA		30' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	14,180.01 283.19 1,699.14 1,482.90 1,659.54	994.25
08 33 36 00-0010	EA		12' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,428.38 140.96 845.74 759.78 899.84	626.54
08 33 36 00-0011	EA		18' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,580.90 206.84 1,241.04 1,121.83 1,372.02	804.71
08 33 36 00-0012	EA		24' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,761.76 271.94 1,631.65 1,519.63 1,694.14	1,014.61
08 33 36 00-0013	EA		30' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	16,796.70 339.93 2,039.56 1,761.02 1,845.79	1,119.26
08 33 36 00-0014	EA		12' x 14', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,570.19 164.81 988.88 886.45 1,052.59	692.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0015 EA 18' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,221.69 241.45 1,448.71 1,282.12 1,524.41	889.60
08 33 36 00-0016 EA 24' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,885.30 317.27 1,903.59 1,772.89 2,000.29	1,121.58
08 33 36 00-0017 EA 30' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	19,392.58 396.38 2,378.25 2,092.92 2,265.43	1,238.46
08 33 39 High Speed Doors (08 33)		
08 33 39 00-0001 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39) Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 39 00-0002 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0001)		
08 33 39 00-0003 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0004 EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	8,806.95	302.57
08 33 39 00-0005 EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	8,952.01	315.42
08 33 39 00-0006 EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,127.67	328.28
08 33 39 00-0007 EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,349.22	341.14
08 33 39 00-0008 EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,584.04	354.00
08 33 39 00-0009 EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,977.98	366.86
08 33 39 00-0010 EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,258.69	379.72
08 33 39 00-0011 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0012 EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	8,982.61	315.42
08 33 39 00-0013 EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,166.43	328.28
08 33 39 00-0014 EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,396.14	341.14
08 33 39 00-0015 EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,639.12	354.00
08 33 39 00-0016 EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,958.60	366.86
08 33 39 00-0017 EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,343.35	379.72
08 33 39 00-0018 EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,647.54	392.58
08 33 39 00-0019 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0020 EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,197.03	328.28
08 33 39 00-0021 EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,425.72	341.14
08 33 39 00-0022 EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,677.88	354.00
08 33 39 00-0023 EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,006.54	366.86
08 33 39 00-0024 EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,303.57	379.72
08 33 39 00-0025 EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,722.00	392.58
08 33 39 00-0026 EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,065.96	405.43
08 33 39 00-0027 9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0028 EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,456.32	341.14
08 33 39 00-0029 EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,707.46	354.00
08 33 39 00-0030 EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,036.12	366.86
08 33 39 00-0031 EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,342.33	379.72
08 33 39 00-0032 EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,663.86	392.58
08 33 39 00-0033 EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,997.62	405.43
08 33 39 00-0034 EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,363.00	418.29
08 33 39 00-0035 10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0036 EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,731.94	354.00
08 33 39 00-0037 EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,066.72	366.86
08 33 39 00-0038 EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,370.89	379.72
08 33 39 00-0039 EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,694.46	392.58
08 33 39 00-0040 EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,053.72	405.43
08 33 39 00-0041 EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,423.18	418.29
08 33 39 00-0042 EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,737.55	431.15



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0043			11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0044	EA		11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,085.08	366.86
08 33 39 00-0045	EA		11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,396.39	379.72
08 33 39 00-0046	EA		11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,724.04	392.58
08 33 39 00-0047	EA		11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,084.32	405.43
08 33 39 00-0048	EA		11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,321.18	418.29
08 33 39 00-0049	EA		11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,788.55	431.15
08 33 39 00-0050	EA		11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,171.27	444.01
08 33 39 00-0051			12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0052	EA		12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,404.55	379.72
08 33 39 00-0053	EA		12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,741.38	392.58
08 33 39 00-0054	EA		12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,107.78	405.43
08 33 39 00-0055	EA		12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,353.82	418.29
08 33 39 00-0056	EA		12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,675.33	431.15
08 33 39 00-0057	EA		12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,214.11	444.01
08 33 39 00-0058	EA		12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,589.69	456.88
08 33 39 00-0059			Rytec® PredaDoor® Door Options (08 33 39 00-0001)		
08 33 39 00-0060	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	306.00	75.64
08 33 39 00-0061	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	510.00	75.64
08 33 39 00-0062	SF		Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	7.65	
08 33 39 00-0063			3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063) Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 39 00-0064			3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063)		
08 33 39 00-0065			8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0066	EA		8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	12,956.96	453.84
08 33 39 00-0067	EA		8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	13,550.82	466.70
08 33 39 00-0068	EA		8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,066.13	479.56
08 33 39 00-0069	EA		8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,622.25	492.43
08 33 39 00-0070	EA		8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,252.83	505.29
08 33 39 00-0071	EA		8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,580.46	518.15
08 33 39 00-0072	EA		8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,095.78	531.01
08 33 39 00-0073			9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0074	EA		9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	13,550.82	466.70
08 33 39 00-0075	EA		9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,066.13	479.56
08 33 39 00-0076	EA		9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,622.25	492.43
08 33 39 00-0077	EA		9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,252.83	505.29
08 33 39 00-0078	EA		9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,580.46	518.15
08 33 39 00-0079	EA		9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,095.78	531.01
08 33 39 00-0080	EA		9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,764.10	543.86
08 33 39 00-0081			10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0082	EA		10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,066.13	479.56
08 33 39 00-0083	EA		10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,622.25	492.43
08 33 39 00-0084	EA		10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,252.83	505.29
08 33 39 00-0085	EA		10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,580.46	518.15
08 33 39 00-0086	EA		10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,095.78	531.01
08 33 39 00-0087	EA		10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,764.10	543.86
08 33 39 00-0088	EA		10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,394.68	556.72
08 33 39 00-0089			11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0090	EA		11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,622.25	492.43
08 33 39 00-0091	EA		11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,252.83	505.29
08 33 39 00-0092	EA		11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,580.46	518.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0093 EA 11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,095.78	531.01
08 33 39 00-0094 EA 11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,764.10	543.86
08 33 39 00-0095 EA 11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,394.68	556.72
08 33 39 00-0096 EA 11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,099.72	569.58
08 33 39 00-0097 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0098 EA 12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,252.83	505.29
08 33 39 00-0099 EA 12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,580.46	518.15
08 33 39 00-0100 EA 12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,095.78	531.01
08 33 39 00-0101 EA 12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,764.10	543.86
08 33 39 00-0102 EA 12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,394.68	556.72
08 33 39 00-0103 EA 12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,099.72	569.58
08 33 39 00-0104 EA 12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,604.84	582.44
08 33 39 00-0105 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0106 EA 13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,969.08	518.15
08 33 39 00-0107 EA 13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,631.28	531.01
08 33 39 00-0108 EA 13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,258.80	543.86
08 33 39 00-0109 EA 13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,989.34	556.72
08 33 39 00-0110 EA 13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,716.82	569.58
08 33 39 00-0111 EA 13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,254.58	582.44
08 33 39 00-0112 EA 13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,660.76	595.30
08 33 39 00-0113 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0114 EA 14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,631.28	531.01
08 33 39 00-0115 EA 14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,258.80	543.86
08 33 39 00-0116 EA 14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,989.34	556.72
08 33 39 00-0117 EA 14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,716.82	569.58
08 33 39 00-0118 EA 14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,254.58	582.44
08 33 39 00-0119 EA 14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,660.76	595.30
08 33 39 00-0120 EA 14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,268.89	608.16
08 33 39 00-0121 Rytec® Fast-Seal® Door Options (08 33 39 00-0063)		
08 33 39 00-0122 LF Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors.....	30.60	
Note: Multiply linear foot price x width of door.		
08 33 39 00-0123 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	306.00	
08 33 39 00-0124 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	510.00	
08 33 39 00-0125 EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	193.80	
08 33 39 00-0126 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	382.50	
Note: Door must be at least 90" wide.		
08 33 39 00-0127 EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	484.50	
Note: Door must be at least 102" wide.		
08 33 39 00-0128 EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	765.00	
Note: Door must be at least 136" wide.		
08 33 39 00-0129 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	224.40	
08 33 39 00-0130 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	443.70	
Note: Door must be at least 108" wide.		
08 33 39 00-0131 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	550.80	
Note: Door must be at least 144" wide.		
08 33 39 00-0132 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	887.40	
Note: Door must be at least 192" wide.		
08 33 39 00-0133 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 39)		
Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 39 00-0134 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 39 00-0133)		
08 33 39 00-0135 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0134)		
08 33 39 00-0136 EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	18,470.70	605.13
08 33 39 00-0137 EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	19,007.44	617.99
08 33 39 00-0138 EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	19,544.18	630.85

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0139 EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,080.92	643.71
08 33 39 00-0140 EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,617.65	656.57
08 33 39 00-0141 EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,154.39	669.42
08 33 39 00-0142 EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,712.15	682.28
08 33 39 00-0143 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0134)		
08 33 39 00-0144 EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,007.44	617.99
08 33 39 00-0145 EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,544.18	630.85
08 33 39 00-0146 EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,080.92	643.71
08 33 39 00-0147 EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,617.65	656.57
08 33 39 00-0148 EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,154.39	669.42
08 33 39 00-0149 EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,691.13	682.28
08 33 39 00-0150 EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,248.88	695.14
08 33 39 00-0151 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0134)		
08 33 39 00-0152 EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,544.18	630.85
08 33 39 00-0153 EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,080.92	643.71
08 33 39 00-0154 EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,617.65	656.57
08 33 39 00-0155 EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,154.39	669.42
08 33 39 00-0156 EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,691.13	682.28
08 33 39 00-0157 EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,227.86	695.14
08 33 39 00-0158 EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,785.62	708.00
08 33 39 00-0159 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0134)		
08 33 39 00-0160 EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,080.92	643.71
08 33 39 00-0161 EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,617.65	656.57
08 33 39 00-0162 EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,154.39	669.42
08 33 39 00-0163 EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,691.13	682.28
08 33 39 00-0164 EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,227.86	695.14
08 33 39 00-0165 EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,764.60	708.00
08 33 39 00-0166 EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,321.35	720.86
08 33 39 00-0167 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0134)		
08 33 39 00-0168 EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,617.65	656.57
08 33 39 00-0169 EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,154.39	669.42
08 33 39 00-0170 EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,691.13	682.28
08 33 39 00-0171 EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,227.86	695.14
08 33 39 00-0172 EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,764.60	708.00
08 33 39 00-0173 EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,301.35	720.86
08 33 39 00-0174 EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,859.10	733.72
08 33 39 00-0175 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0134)		
08 33 39 00-0176 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,154.39	669.42
08 33 39 00-0177 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,691.13	682.28
08 33 39 00-0178 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,227.86	695.14
08 33 39 00-0179 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,764.60	708.00
08 33 39 00-0180 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,301.35	720.86
08 33 39 00-0181 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,838.08	733.72
08 33 39 00-0182 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,395.84	746.58
08 33 39 00-0183 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0134)		
08 33 39 00-0184 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,712.15	682.28
08 33 39 00-0185 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,248.88	695.14
08 33 39 00-0186 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,785.62	708.00
08 33 39 00-0187 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,321.35	720.86
08 33 39 00-0188 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,859.10	733.72
08 33 39 00-0189 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,395.84	746.58
08 33 39 00-0190 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,927.48	759.43
08 33 39 00-0191 Rytec® Spiral® Door Options (08 33 39 00-0133)		
08 33 39 00-0192 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors	306.00	
Note: Per door price.		
08 33 39 00-0193 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors	204.00	
Note: Maximum of 4 per door.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0194 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors 306.00 Note: Maximum of 4 per door.	306.00	
08 33 39 00-0195 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors 585.64	585.64	37.82
08 33 39 00-0196 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors 1,681.28	1,681.28	75.64
08 33 39 00-0197 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors..... 3,007.28	3,007.28	75.64
08 33 39 00-0198 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors..... 3,415.28	3,415.28	75.64
08 33 39 00-0199 Activation And Control Box Options For High Speed Doors (08 33 39)		
08 33 39 00-0200 EA Pull Cord For High-Speed Rolling Doors 152.14	152.14	37.82
08 33 39 00-0201 EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors 114.32	114.32	18.91
08 33 39 00-0202 EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors..... 139.82	139.82	18.91
08 33 39 00-0203 EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors..... 150.02	150.02	18.91
08 33 39 00-0204 EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors..... 267.32	267.32	18.91
08 33 39 00-0205 EA Radio Control For High-Speed Rolling Doors 419.46 Note: Includes one receiver and two transmitters.	419.46	34.04
08 33 39 00-0206 EA Floor Loop For High-Speed Rolling Doors 720.36 Note: Excludes sealant.	720.36	
08 33 39 00-0207 EA Reflective Type Photo Eye For High-Speed Rolling Doors..... 429.74	429.74	34.04
08 33 39 00-0208 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors..... 470.46	470.46	34.04
08 33 39 00-0209 EA Motion Detector For High-Speed Rolling Doors..... 402.39	402.39	22.69
08 33 39 00-0210 EA Remote Warning Horn For High-Speed Rolling Doors 279.64 Note: Includes wall box and mounting hardware.	279.64	37.82
08 33 39 00-0211 EA Remote Strobe Light For High-Speed Rolling Doors 381.64 Note: Includes wall box and mounting hardware.	381.64	37.82
08 33 39 00-0212 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors..... 432.64 Note: Includes wall box and mounting hardware.	432.64	37.82
08 33 39 00-0213 EA Red And Green Red Light For High-Speed Rolling Doors..... 534.64 Note: Includes mounting hardware.	534.64	37.82
08 33 43 Overhead Coiling Smoke Curtains (08 33)		
08 33 43 00-0001 Elevator Smoke Guard (08 33 43)		
08 33 43 00-0002 EA Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)..... 7,808.28	7,808.28	487.74
08 33 43 00-0003 EA Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)..... 8,079.83	8,079.83	487.74
08 33 43 00-0004 EA Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)..... 8,351.38	8,351.38	487.74
08 34 Special Function Doors (08 30)		
08 34 13 Cold Storage Doors (08 34)		
08 34 13 00-0001 Vertical Sliding Doors (08 34 13) Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0002 EA 7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane 5,886.87 For Adjusting Height Of Door To Fit Opening <7' Height, Add 319.69	5,886.87	640.62
08 34 13 00-0003 EA 7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" F.I.P. Polyurethane..... 7,554.70 For Adjusting Height Of Door To Fit Opening <7' Height, Add 406.64	7,554.70	813.28
08 34 13 00-0004 Horizontal Sliding Doors (08 34 13) Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0005 EA 6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane..... 4,729.95	4,729.95	511.63
08 34 13 00-0006 EA 7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane..... 5,329.98	5,329.98	576.94
08 34 13 00-0007 EA 7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane..... 6,884.85	6,884.85	760.34
08 34 13 00-0008 EA 5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane..... 4,115.79	4,115.79	464.87
08 34 13 00-0009 Horizontal Hinge Type (08 34 13) Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0010 EA 3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" F.I.P. Polyurethane 2,785.27	2,785.27	302.38
08 34 16 Hangar Doors (08 34)		
08 34 16 00-0001 SF 70' To 120' Wide X To 20' High Hanger Door 25' Panels..... 39.00 Note: Includes motorized opener and special hardware.	39.00	13.17
08 34 16 00-0002 SF 120' To 180' Wide X To 20' High Hanger Door 25' Panels..... 35.85 Note: Includes motorized opener and special hardware.	35.85	13.17
08 34 16 00-0003 SF 120' To 180' Wide X 20-40' High Hanger Door 25' Panels..... 33.88 Note: Includes motorized opener and special hardware.	33.88	2.82
08 34 16 00-0004 SF 120' To 180' Wide X 40-60' High Hanger Door 25' Panels..... 33.20 Note: Includes motorized opener and special hardware.	33.20	1.88
08 34 16 00-0005 SF 120' To 180' Wide X 60-80' High Hanger Door 25' Panels..... 34.12 Note: Includes motorized opener and special hardware.	34.12	1.88
08 34 16 00-0006 SF 120' To 180' Wide x >80' High Hanger Door 25' Panels 51.77 Note: Includes motorized opener and special hardware.	51.77	1.88
08 34 23 Sidewalk and Basement Doors (08 34)		
08 34 23 00-0001 Drainage Doors (08 34 23)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0002			Single Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		
08 34 23 00-0003	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	962.17	134.72
08 34 23 00-0004	EA		2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,188.46	140.77
08 34 23 00-0005	EA		3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,263.25	143.79
08 34 23 00-0006	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,395.56	146.82
08 34 23 00-0007	EA		3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,630.49	154.39
08 34 23 00-0008	EA		2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,663.53	150.83
08 34 23 00-0009	EA		3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,854.08	154.39
08 34 23 00-0010	EA		2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,936.04	157.94
08 34 23 00-0011	EA		3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,126.59	161.50
08 34 23 00-0012	EA		3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,472.40	170.57
08 34 23 00-0013			Double Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
08 34 23 00-0014	EA		4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,982.94	150.83
08 34 23 00-0015	EA		4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,081.88	161.50
08 34 23 00-0016	EA		4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,645.74	179.64
08 34 23 00-0017	EA		5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,722.40	179.64
08 34 23 00-0018			Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA		2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,556.28	134.72
08 34 23 00-0020	EA		2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,820.90	140.77
08 34 23 00-0021	EA		3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,985.15	143.79
08 34 23 00-0022	EA		3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,251.60	146.82
08 34 23 00-0023	EA		3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,607.92	154.39
08 34 23 00-0024			Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA		4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1ALH2O).....	2,608.99	150.83
08 34 23 00-0026	EA		4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2ALH2O).....	3,500.07	161.50
08 34 23 00-0027	EA		4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3ALH2O).....	4,990.23	179.64
08 34 23 00-0028	EA		5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4ALH2O).....	4,696.37	179.64
08 34 23 00-0029			Single Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		
08 34 23 00-0030	EA		2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door (Bilco J-1)	1,016.20	134.72
08 34 23 00-0031	EA		2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-2)	1,067.50	140.77
08 34 23 00-0032	EA		3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-3).....	1,186.62	143.79
08 34 23 00-0033	EA		3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-4).....	1,311.79	146.82
08 34 23 00-0034	EA		3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-5).....	1,522.16	154.39
08 34 23 00-0035	EA		2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-6).....	1,450.52	150.83
08 34 23 00-0036	EA		3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-7).....	1,648.82	154.39
08 34 23 00-0037	EA		2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-8).....	1,642.06	157.94
08 34 23 00-0038	EA		3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-9).....	1,828.29	161.50
08 34 23 00-0039	EA		3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-10).....	1,950.48	170.57
08 34 23 00-0040			Double Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
08 34 23 00-0041	EA		4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1).....	1,776.21	150.83
08 34 23 00-0042	EA		4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2).....	1,864.48	161.50
08 34 23 00-0043	EA		4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3).....	2,319.95	179.64
08 34 23 00-0044	EA		5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4).....	2,386.30	179.64
08 34 23 00-0045			Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA		2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-1H2O)	1,715.83	134.72
08 34 23 00-0047	EA		2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-2H2O).....	1,815.39	140.77
08 34 23 00-0048	EA		3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-3H2O).....	1,880.24	143.79
08 34 23 00-0049	EA		3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-4H2O).....	2,210.47	146.82
08 34 23 00-0050	EA		3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-5H2O).....	2,601.79	154.39
08 34 23 00-0051			Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA		4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1H2O).....	2,861.85	150.83
08 34 23 00-0053	EA		4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2H2O)	3,197.40	161.50
08 34 23 00-0054	EA		4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3H2O).....	4,738.50	179.64
08 34 23 00-0055	EA		5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4H2O).....	4,617.88	179.64
08 34 23 00-0056			Single Leaf Aluminum Drainage Door (08 34 23 00-0001) Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-1ALR)	917.87	134.72



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0058	EA			2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-2ALR).....	1,084.39	140.77
08 34 23 00-0059	EA			3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-3ALR).....	1,148.67	143.79
08 34 23 00-0060	EA			3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-4ALR).....	1,214.11	146.82
08 34 23 00-0061	EA			3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-5ALR).....	1,370.24	154.39
08 34 23 00-0062				Non-Drainage Doors (08 34 23)		
08 34 23 00-0063				Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - Q Series.		
08 34 23 00-0064	EA			2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1AL).....	923.90	134.72
08 34 23 00-0065	EA			2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2AL).....	1,124.58	140.77
08 34 23 00-0066	EA			2' 6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3AL).....	1,205.81	143.79
08 34 23 00-0067	EA			3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4AL).....	1,255.04	146.82
08 34 23 00-0068	EA			3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5AL).....	1,585.77	154.39
08 34 23 00-0069	EA			2' 6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-6AL).....	1,427.19	150.83
08 34 23 00-0070	EA			3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-7AL).....	1,598.55	154.39
08 34 23 00-0071	EA			2' 6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-8AL).....	1,795.41	157.94
08 34 23 00-0072	EA			3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-9AL).....	1,903.07	161.50
08 34 23 00-0073	EA			3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-10AL).....	2,165.98	170.57
08 34 23 00-0074				Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - K Series.		
08 34 23 00-0075	EA			2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-1).....	751.42	134.72
08 34 23 00-0076	EA			2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-2).....	907.38	140.77
08 34 23 00-0077	EA			3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-3).....	1,007.77	143.79
08 34 23 00-0078	EA			3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-4).....	1,076.17	146.82
08 34 23 00-0079	EA			3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-5).....	1,253.58	154.39
08 34 23 00-0080				Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - QD Series.		
08 34 23 00-0081	EA			4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1AL).....	1,823.26	150.83
08 34 23 00-0082				Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - KD Series.		
08 34 23 00-0083	EA			4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,743.37	161.50
08 34 23 00-0084	EA			4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-3).....	2,460.55	179.64
08 34 23 00-0085	EA			5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-4).....	2,511.66	179.64
08 34 23 00-0086				Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - T Series.		
08 34 23 00-0087	EA			2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-1).....	828.08	134.72
08 34 23 00-0088	EA			2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-2).....	971.26	140.77
08 34 23 00-0089	EA			3' x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-3).....	1,039.71	143.79
08 34 23 00-0090	EA			3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-4).....	1,140.05	146.82
08 34 23 00-0091	EA			3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-5).....	1,336.63	154.39
08 34 23 00-0092				Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - TD Series.		
08 34 23 00-0093	EA			4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-2).....	1,851.97	161.50
08 34 23 00-0094	EA			4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-3).....	2,594.70	179.64
08 34 23 00-0095	EA			5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-4).....	2,633.03	179.64
08 34 23 00-0096				Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - Q Series.		
08 34 23 00-0097	EA			2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1).....	702.63	134.72
08 34 23 00-0098	EA			2' 6" x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2).....	784.03	140.77
08 34 23 00-0099	EA			3' x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3).....	879.07	143.79
08 34 23 00-0100	EA			3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4).....	931.83	146.82
08 34 23 00-0101	EA			3' 6" x 3' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5).....	1,180.70	154.39
08 34 23 00-0102	EA			2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,058.49	146.82
08 34 23 00-0103				Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)		
				Note: Bilco - QD Series.		
08 34 23 00-0104	EA			4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1).....	1,396.24	150.83
08 34 23 00-0105				Basement Doors (08 34 23)		
				Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106	EA			45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	978.51	170.20
08 34 23 00-0107	EA			30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	806.79	128.97
08 34 23 00-0108	EA			22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	840.97	141.83
08 34 23 00-0109	EA			19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series).....	898.49	151.28
08 34 23 00-0110	EA			52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series).....	995.41	170.20



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 34 49 Radiation Shielding Doors And Frames (08 34)

08 34 49 13 Neutron Shielding Doors And Frames (08 34 49)

08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)

08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	42.83	7.56
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	50.01	7.56
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	43.27	7.56
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	45.66	7.56

08 34 53 Security Doors And Frames (08 34)

08 34 53 00-0001 Metal Security Doors, Bullet Resistant (08 34 53)

Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.

08 34 53 00-0002	SF	Metal Security Door	42.72	6.82
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door.....	1,724.19	340.14
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	2,023.85	361.07

08 34 53 00-0005 Metal Security Doors (08 34 53)

Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.

08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	607.06	62.30
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.				
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	607.06	62.30
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.				
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	848.32	62.30
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.				

08 34 56 Security Gates (08 34)

08 34 56 00-0001 Pivoting Double Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	685.90	143.92
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	770.13	161.90
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	830.23	179.90
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	914.44	197.88
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	773.83	145.71
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	834.09	163.71
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	914.67	181.69
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	978.77	199.68
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	813.61	147.52
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	873.66	165.50
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,412.23	174.50
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	970.26	183.50
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,036.42	201.48
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	889.65	149.31
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	949.49	167.31
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,003.68	176.30
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,070.55	185.29
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,166.49	203.28
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,005.51	152.91
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,080.95	172.70
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,162.80	183.50
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,210.55	188.89

08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	466.87	100.74
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	498.18	104.34
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	529.51	107.94
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	568.04	115.13
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	594.49	122.33
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	498.08	104.34
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	529.55	107.94
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	560.87	111.53
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	599.37	118.73
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	625.98	125.93
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	541.45	107.94
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	572.94	111.53
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	604.21	115.13
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	642.82	122.33
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	681.50	129.52

08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	189.27	39.58
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0042	EA			37" High Window Gate, Up To 4' Wide Opening.....	196.47	43.17
08 34 56 00-0043	EA			40" High Window Gate, Up To 4' Wide Opening.....	196.47	43.17
08 34 56 00-0044	EA			43" High Window Gate, Up To 4' Wide Opening.....	204.14	46.77
08 34 56 00-0045	EA			46" High Window Gate, Up To 4' Wide Opening.....	204.14	46.77
08 34 56 00-0046	EA			49" High Window Gate, Up To 4' Wide Opening.....	211.33	50.37
08 34 56 00-0047	EA			51" High Window Gate, Up To 4' Wide Opening.....	211.33	50.37
08 34 56 00-0048	EA			53" High Window Gate, Up To 4' Wide Opening.....	218.52	53.97
08 34 56 00-0049	EA			55" High Window Gate, Up To 4' Wide Opening.....	218.52	53.97
08 34 56 00-0050	EA			57" High Window Gate, Up To 4' Wide Opening.....	225.72	57.57
08 34 56 00-0051	EA			59" High Window Gate, Up To 4' Wide Opening.....	225.72	57.57
08 34 56 00-0052				Pivoting Door Gate, Expands From 2' To 4' (08 34 56) Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA			61" High Pivoting Door Gate, Up To 4' Wide Opening.....	232.92	61.17
08 34 56 00-0054	EA			63" High Pivoting Door Gate, Up To 4' Wide Opening.....	234.39	61.17
08 34 56 00-0055	EA			66" High Pivoting Door Gate, Up To 4' Wide Opening.....	243.54	64.77
08 34 56 00-0056	EA			71" High Pivoting Door Gate, Up To 4' Wide Opening.....	252.69	68.36
08 34 56 00-0057	EA			73" High Pivoting Door Gate, Up To 4' Wide Opening.....	254.64	68.36
08 34 56 00-0058	EA			76" High Pivoting Door Gate, Up To 4' Wide Opening.....	263.80	71.95
08 34 56 00-0059	EA			79" High Pivoting Door Gate, Up To 4' Wide Opening.....	265.75	71.95
08 34 56 00-0060	EA			81" High Pivoting Door Gate, Up To 4' Wide Opening.....	274.29	75.55
08 34 56 00-0061	EA			83" High Pivoting Door Gate, Up To 4' Wide Opening.....	276.85	75.55
08 34 63				Detention Doors And Frames (08 34)		
08 34 63 13				Steel Detention Doors And Frames (08 34 63)		
08 34 63 13-0001				Metal Frames (08 34 63 13) Note: Combination buck, jamb, and trim, fully seam welded.		
08 34 63 13-0002				Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" (08 34 63 13-0001)		
08 34 63 13-0003	EA			2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	323.86	118.15
08 34 63 13-0004	EA			2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	323.86	118.15
08 34 63 13-0005	EA			2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	323.86	118.15
08 34 63 13-0006	EA			2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	323.86	118.15
08 34 63 13-0007	EA			3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	325.58	118.15
08 34 63 13-0008	EA			3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	325.58	118.15
08 34 63 13-0009	EA			6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	484.55	189.10
08 34 63 13-0010	EA			2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0011	EA			2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0012	EA			2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0013	EA			2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	334.15	118.15
08 34 63 13-0014	EA			3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	412.94	157.56
08 34 63 13-0015	EA			3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	412.94	157.56
08 34 63 13-0016	EA			6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	494.84	189.10
08 34 63 13-0017	EA			2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0018	EA			2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0019	EA			2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0020	EA			2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0021	EA			3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	330.72	118.15
08 34 63 13-0022	EA			3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	330.72	118.15
08 34 63 13-0023	EA			6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	489.70	189.10
08 34 63 13-0024				Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" (08 34 63 13-0001)		
08 34 63 13-0025	EA			2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0026	EA			2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0027	EA			2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0028	EA			2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0029	EA			3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	332.44	118.15
08 34 63 13-0030	EA			3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	332.44	118.15
08 34 63 13-0031	EA			6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	489.69	189.10
08 34 63 13-0032	EA			2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0033	EA			2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	329.01	118.15
08 34 63 13-0034	EA			2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	334.15	118.15
08 34 63 13-0035	EA			2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	334.15	118.15
08 34 63 13-0036	EA			3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	412.94	157.56
08 34 63 13-0037	EA			3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	412.94	157.56
08 34 63 13-0038	EA			6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	573.71	209.98
08 34 63 13-0039	EA			2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	334.15	118.15
08 34 63 13-0040	EA			2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	334.15	118.15
08 34 63 13-0041	EA			2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	334.15	118.15
08 34 63 13-0042	EA			2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	334.15	118.15
08 34 63 13-0043	EA			3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	335.87	118.15
08 34 63 13-0044	EA			3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	335.87	118.15
08 34 63 13-0045	EA			6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	494.84	189.10
08 34 63 13-0046				Metal Doors (08 34 63 13) Note: Flush type reinforced with stiffeners.		

08	Openings
08 30	Specialty Doors And Frames
08 34	Special Function Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 63 13-0047	10 Gauge 1-3/4" Door (08 34 63 13-0046)		
08 34 63 13-0048	EA 2' x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	362.07	41.99
08 34 63 13-0049	EA 2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	366.04	41.99
08 34 63 13-0050	EA 2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	370.01	41.99
08 34 63 13-0051	EA 2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	373.99	41.99
08 34 63 13-0052	EA 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	377.96	41.99
08 34 63 13-0053	EA 3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	397.82	41.99
08 34 63 13-0054	EA Pair 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	739.11	75.64
08 34 63 13-0055	EA 2' x 7' x 1-3/4" 10 Gauge Metal Door.....	386.77	41.99
08 34 63 13-0056	EA 2'-4" x 7' x 1-3/4" 10 Gauge Metal Door.....	390.90	41.99
08 34 63 13-0057	EA 2'-6" x 7' x 1-3/4" 10 Gauge Metal Door.....	393.50	41.99
08 34 63 13-0058	EA 2'-8" x 7' x 1-3/4" 10 Gauge Metal Door.....	429.67	41.99
08 34 63 13-0059	EA 3' x 7' x 1-3/4" 10 Gauge Metal Door.....	516.97	41.99
08 34 63 13-0060	EA 3'-4" x 7' x 1-3/4" 10 Gauge Metal Door.....	561.88	41.99
08 34 63 13-0061	EA Pair 3' x 7' x 1-3/4" 10 Gauge Metal Door.....	825.36	75.64
08 34 63 13-0062	EA 2' x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	375.97	41.99
08 34 63 13-0063	EA 2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	379.94	41.99
08 34 63 13-0064	EA 2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	383.91	41.99
08 34 63 13-0065	EA 2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	387.89	41.99
08 34 63 13-0066	EA 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	391.86	41.99
08 34 63 13-0067	EA 3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	411.72	41.99
08 34 63 13-0068	EA Pair 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	766.92	75.64
08 34 63 13-0069	Pneumatic Door Operators (08 34 63 13)		
08 34 63 13-0070	EA Pneumatic Cell Entry Door Operator With Hardware Set.....	3,023.74	
08 34 63 13-0071	EA Pneumatic Special Housing Cell Door Operator With Hardware Set.....	3,300.53	
08 34 63 13-0072	EA Pneumatic MS Cell Door Operator With Hardware Set.....	4,138.21	
08 34 63 13-0073	EA Pneumatic Sally Port Door Operator With Hardware Set.....	4,864.87	
08 34 63 13-0074	EA Pneumatic Corridor Door Operator With Hardware Set.....	5,943.56	
08 34 63 13-0075	EA Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves.....	2,995.35	
08 34 63 13-0076	Prison Doors And Frame Assembly (08 34 63 13)		
08 34 63 13-0077	EA 2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Prison Security Doors And Frames Note: Complete, with hardware, single plate.	5,773.40	341.61
	For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	
08 34 63 13-0078	EA 2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Prison Security Doors And Frames Note: Complete, with hardware, double plate.	6,966.70	339.41
	For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	
08 34 73	Sound Control Door Assemblies (08 34)		
08 34 73 00-0001	Acoustical Doors And Frames (08 34 73)		
08 34 73 00-0002	Steel Acoustical Doors And Frames (08 34 73 00-0001) Note: Includes seals.		
08 34 73 00-0003	Steel Acoustical Doors (08 34 73 00-0002) Note: Includes hinges.		
08 34 73 00-0004	EA 3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)..... For 60 Minutes Fire Rated, Add For 3" x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	2,023.17 116.72 811.07 867.93	45.39
08 34 73 00-0005	EA 3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated) For 60 Minutes Fire Rated, Add For 3" x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	2,143.68 116.72 811.07 867.93	47.27
08 34 73 00-0006	EA 4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated)..... For 60 Minutes Fire Rated, Add For 3" x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	2,267.96 116.72 811.07 867.93	51.06
08 34 73 00-0007	PR Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)..... For 1 Hour Fire Rated, Add For 3" x 33" Windows, Add For 20" x 64" Windows, Add	4,037.25 233.44 1,622.14 1,735.86	86.23
08 34 73 00-0008	Steel Acoustical Door Frames (08 34 73 00-0002)		
08 34 73 00-0009	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,665.67	75.64
08 34 73 00-0010	EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,708.57	75.64
08 34 73 00-0011	EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,751.47	75.64
08 34 73 00-0012	EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,794.37	75.64
08 34 73 00-0013	EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,904.27	83.21
08 34 73 00-0014	EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,952.16	83.21
08 34 73 00-0015	EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,995.05	83.21
08 34 73 00-0016	EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,048.26	83.21
08 34 73 00-0017	EA 4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,146.27	86.99
08 34 73 00-0018	EA 4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,189.17	86.99
08 34 73 00-0019	EA 4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,232.07	86.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 34 73 00-0020	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,279.95	86.99
	08 34 73 00-0021	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,786.11	98.33
	08 34 73 00-0022	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,827.01	98.33
	08 34 73 00-0023	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,870.91	98.33
	08 34 73 00-0024	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,915.80	98.33
	08 34 73 00-0025			Wood Acoustical Door Systems, Prefinished <small>(08 34 73 00-0001)</small> Note: Includes the door, frame, hinges and seals.		
	08 34 73 00-0026	EA		3' x 7', STC 41, Wood Acoustical Door System (Unrated).....	2,045.86	136.16
	08 34 73 00-0027	EA		3' x 7', STC 49, Wood Acoustical Door System (Unrated).....	2,794.08	136.16
08 36				Panel Doors <small>(08 30)</small>		
	08 36 13			Sectional Doors <small>(08 36)</small>		
	08 36 13 00-0001			Sectional Wood Overhead Doors <small>(08 36 13)</small>		
	08 36 13 00-0002			Wood Sectional Overhead Doors <small>(08 36 13 00-0001)</small> Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
	08 36 13 00-0003	EA		8' x 8', Wood Sectional Door, Manual Lift	2,091.98	302.57
	08 36 13 00-0004	EA		10' x 10', Wood Sectional Door, Manual Lift	2,611.29	335.84
	08 36 13 00-0005	EA		12' x 12', Wood Sectional Door, Manual Lift	3,338.52	402.41
	08 36 13 00-0006	EA		14' x 14', Wood Sectional Door, Manual Lift	4,840.39	465.95
	08 36 13 00-0007	EA		12' x 16', Wood Sectional Door, Manual Lift	5,175.64	605.13
	08 36 13 00-0008	EA		20' x 8', Wood Sectional Door, Manual Lift	4,885.24	756.41
	08 36 13 00-0009	EA		20' x 16', Wood Sectional Door, Manual Lift	9,009.96	1,008.30
	08 36 13 00-0010			Residential Grade, Wood Sectional Overhead Doors <small>(08 36 13 00-0001)</small> Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
	08 36 13 00-0011	EA		9' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,081.13	151.28
				For Hardboard Face, Add	115.00	
				For Insulation, Add	117.00	
				For Motor Operator With Remote Controls, Add	377.43	
				For Each Glass Vision Panel In Door, Add	50.00	
	08 36 13 00-0012	EA		16' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,721.35	151.28
				For Hardboard Face, Add	115.00	
				For Insulation, Add	117.00	
				For Motor Operator With Remote Controls, Add	399.92	
				For Each Glass Vision Panel In Door, Add	50.00	
	08 36 13 00-0013			Sectional Metal Overhead Doors <small>(08 36 13)</small> Note: Includes tracks and all hardware.		
	08 36 13 00-0014			Galvanized Steel Sectional Overhead Doors <small>(08 36 13 00-0013)</small>		
	08 36 13 00-0015			Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small> Note: Includes 2" door, tracks and hardware. Excludes frame.		
	08 36 13 00-0016	EA		8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,003.71	264.74
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	68.76	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	118.56	
				For Aluminum, Mill Finish, Add	54.06	
				For Aluminum, Anodized Finish, Add	151.28	
	08 36 13 00-0017	EA		8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,177.62	302.57
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	83.01	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	143.12	
				For Aluminum, Mill Finish, Add	65.26	
				For Aluminum, Anodized Finish, Add	182.62	
	08 36 13 00-0018	EA		8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,456.36	378.20
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	101.49	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	174.99	
				For Aluminum, Mill Finish, Add	79.79	
				For Aluminum, Anodized Finish, Add	223.28	
	08 36 13 00-0019	EA		10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,133.86	302.57
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	76.67	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	132.18	
				For Aluminum, Mill Finish, Add	60.28	
				For Aluminum, Anodized Finish, Add	168.66	
	08 36 13 00-0020	EA		10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,400.31	378.20
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	93.37	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	160.98	
				For Aluminum, Mill Finish, Add	73.40	
				For Aluminum, Anodized Finish, Add	205.40	
	08 36 13 00-0021	EA		10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,770.83	491.67
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	114.19	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	196.87	
				For Aluminum, Mill Finish, Add	89.77	
				For Aluminum, Anodized Finish, Add	251.21	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0022	EA		10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,106.79	605.13
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	130.00	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	224.13	
			<i>For Aluminum, Mill Finish, Add</i>	102.20	
			<i>For Aluminum, Anodized Finish, Add</i>	285.99	
08 36 13 00-0023	EA		12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,363.47	378.20
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	88.02	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	151.77	
			<i>For Aluminum, Mill Finish, Add</i>	69.20	
			<i>For Aluminum, Anodized Finish, Add</i>	193.65	
08 36 13 00-0024	EA		12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,715.55	491.67
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	106.17	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	183.05	
			<i>For Aluminum, Mill Finish, Add</i>	83.47	
			<i>For Aluminum, Anodized Finish, Add</i>	233.57	
08 36 13 00-0025	EA		12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,096.80	605.13
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	128.55	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	221.64	
			<i>For Aluminum, Mill Finish, Add</i>	101.07	
			<i>For Aluminum, Anodized Finish, Add</i>	282.81	
08 36 13 00-0026	EA		12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,476.52	718.60
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	150.70	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	259.84	
			<i>For Aluminum, Mill Finish, Add</i>	118.48	
			<i>For Aluminum, Anodized Finish, Add</i>	331.55	
08 36 13 00-0027	EA		12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,962.60	869.87
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	177.31	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	305.72	
			<i>For Aluminum, Mill Finish, Add</i>	139.41	
			<i>For Aluminum, Anodized Finish, Add</i>	390.09	
08 36 13 00-0028	EA		14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,642.61	491.67
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	95.59	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	164.82	
			<i>For Aluminum, Mill Finish, Add</i>	75.16	
			<i>For Aluminum, Anodized Finish, Add</i>	210.31	
08 36 13 00-0029	EA		14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,020.79	605.13
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	117.53	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	202.63	
			<i>For Aluminum, Mill Finish, Add</i>	92.40	
			<i>For Aluminum, Anodized Finish, Add</i>	258.56	
08 36 13 00-0030	EA		14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,499.19	756.41
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	143.02	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	246.59	
			<i>For Aluminum, Mill Finish, Add</i>	112.45	
			<i>For Aluminum, Anodized Finish, Add</i>	314.65	
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,880.44	869.87
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	165.40	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	285.18	
			<i>For Aluminum, Mill Finish, Add</i>	130.04	
			<i>For Aluminum, Anodized Finish, Add</i>	363.88	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,302.39	983.34
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	193.68	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	333.93	
			<i>For Aluminum, Mill Finish, Add</i>	152.27	
			<i>For Aluminum, Anodized Finish, Add</i>	426.09	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,993.91	605.13
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	113.63	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	195.91	
			<i>For Aluminum, Mill Finish, Add</i>	89.34	
			<i>For Aluminum, Anodized Finish, Add</i>	249.98	
08 36 13 00-0034	EA		16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,470.77	756.41
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	138.90	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	239.49	
			<i>For Aluminum, Mill Finish, Add</i>	109.21	
			<i>For Aluminum, Anodized Finish, Add</i>	305.58	
08 36 13 00-0035	EA		16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,895.02	869.87
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	167.52	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	288.82	
			<i>For Aluminum, Mill Finish, Add</i>	131.70	
			<i>For Aluminum, Anodized Finish, Add</i>	368.53	
08 36 13 00-0036	EA		16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,417.57	983.34
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	210.38	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	362.73	
			<i>For Aluminum, Mill Finish, Add</i>	165.40	
			<i>For Aluminum, Anodized Finish, Add</i>	462.84	
08 36 13 00-0037	EA		16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,974.30	1,134.62
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	247.23	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	426.26	
			<i>For Aluminum, Mill Finish, Add</i>	194.38	
			<i>For Aluminum, Anodized Finish, Add</i>	543.91	
08 36 13 00-0038	EA		18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,529.91	756.41
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	147.48	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	254.27	
			<i>For Aluminum, Mill Finish, Add</i>	115.95	
			<i>For Aluminum, Anodized Finish, Add</i>	324.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0039 EA 18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,000.99	869.87
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	182.88	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	315.31	
<i>For Aluminum, Mill Finish, Add</i>	143.78	
<i>For Aluminum, Anodized Finish, Add</i>	402.34	
08 36 13 00-0040 EA 18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,586.49	983.34
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	234.87	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	404.96	
<i>For Aluminum, Mill Finish, Add</i>	184.66	
<i>For Aluminum, Anodized Finish, Add</i>	516.72	
08 36 13 00-0041 EA 18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,143.99	1,134.62
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	271.84	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	468.69	
<i>For Aluminum, Mill Finish, Add</i>	213.72	
<i>For Aluminum, Anodized Finish, Add</i>	598.04	
08 36 13 00-0042 EA 18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,749.09	1,285.90
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	315.70	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	544.32	
<i>For Aluminum, Mill Finish, Add</i>	248.21	
<i>For Aluminum, Anodized Finish, Add</i>	694.55	
08 36 13 00-0043 EA 20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,880.44	869.87
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	165.40	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	285.18	
<i>For Aluminum, Mill Finish, Add</i>	130.04	
<i>For Aluminum, Anodized Finish, Add</i>	363.88	
08 36 13 00-0044 EA 20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,351.54	983.34
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	200.81	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	346.22	
<i>For Aluminum, Mill Finish, Add</i>	157.88	
<i>For Aluminum, Anodized Finish, Add</i>	441.77	
08 36 13 00-0045 EA 20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,084.87	1,134.62
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	263.26	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	453.91	
<i>For Aluminum, Mill Finish, Add</i>	206.98	
<i>For Aluminum, Anodized Finish, Add</i>	579.18	
08 36 13 00-0046 EA 20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,642.36	1,285.90
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	300.23	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	517.64	
<i>For Aluminum, Mill Finish, Add</i>	236.04	
<i>For Aluminum, Anodized Finish, Add</i>	660.50	
08 36 13 00-0047 EA 20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,634.44	1,437.18
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	400.21	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	690.01	
<i>For Aluminum, Mill Finish, Add</i>	314.65	
<i>For Aluminum, Anodized Finish, Add</i>	880.46	
08 36 13 00-0048 EA 22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,216.39	983.34
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	181.21	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	312.43	
<i>For Aluminum, Mill Finish, Add</i>	142.47	
<i>For Aluminum, Anodized Finish, Add</i>	398.66	
08 36 13 00-0049 EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,919.79	1,134.62
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	239.33	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	412.64	
<i>For Aluminum, Mill Finish, Add</i>	188.16	
<i>For Aluminum, Anodized Finish, Add</i>	526.52	
08 36 13 00-0050 EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,607.81	1,285.90
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	295.22	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	509.00	
<i>For Aluminum, Mill Finish, Add</i>	232.10	
<i>For Aluminum, Anodized Finish, Add</i>	649.48	
08 36 13 00-0051 EA 22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,386.43	1,437.18
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	364.25	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	628.01	
<i>For Aluminum, Mill Finish, Add</i>	286.37	
<i>For Aluminum, Anodized Finish, Add</i>	801.34	
08 36 13 00-0052 EA 22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,053.69	1,588.47
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	417.13	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	719.19	
<i>For Aluminum, Mill Finish, Add</i>	327.95	
<i>For Aluminum, Anodized Finish, Add</i>	917.69	
08 36 13 00-0053 EA 24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,593.46	1,134.62
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	192.01	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	331.05	
<i>For Aluminum, Mill Finish, Add</i>	150.96	
<i>For Aluminum, Anodized Finish, Add</i>	422.42	
08 36 13 00-0054 EA 24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,320.63	1,285.90
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	253.58	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	437.20	
<i>For Aluminum, Mill Finish, Add</i>	199.36	
<i>For Aluminum, Anodized Finish, Add</i>	557.87	
08 36 13 00-0055 EA 24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,180.65	1,437.18
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	334.41	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	576.57	
<i>For Aluminum, Mill Finish, Add</i>	262.91	
<i>For Aluminum, Anodized Finish, Add</i>	735.70	

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0056	EA		24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,780.35	1,588.47
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	377.50	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	650.86	
			<i>For Aluminum, Mill Finish, Add</i>	296.79	
			<i>For Aluminum, Anodized Finish, Add</i>	830.49	
08 36 13 00-0057	EA		24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,461.45	1,739.75
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	432.38	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	745.49	
			<i>For Aluminum, Mill Finish, Add</i>	339.94	
			<i>For Aluminum, Anodized Finish, Add</i>	951.25	
08 36 13 00-0058			Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small>		
			Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA		8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,229.67	264.74
			<i>For Aluminum, Mill Finish, Add</i>	79.82	
			<i>For Aluminum, Anodized Finish, Add</i>	223.36	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	35.01	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	154.04	
08 36 13 00-0060	EA		8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,458.09	302.57
			<i>For Aluminum, Mill Finish, Add</i>	97.24	
			<i>For Aluminum, Anodized Finish, Add</i>	272.09	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	42.65	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	187.65	
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,794.72	378.20
			<i>For Aluminum, Mill Finish, Add</i>	118.37	
			<i>For Aluminum, Anodized Finish, Add</i>	331.22	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	51.92	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	228.43	
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,426.94	302.57
			<i>For Aluminum, Mill Finish, Add</i>	93.69	
			<i>For Aluminum, Anodized Finish, Add</i>	262.16	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	41.09	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	180.80	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,756.35	378.20
			<i>For Aluminum, Mill Finish, Add</i>	113.99	
			<i>For Aluminum, Anodized Finish, Add</i>	318.98	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	50.00	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	219.99	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,238.86	491.67
			<i>For Aluminum, Mill Finish, Add</i>	143.13	
			<i>For Aluminum, Anodized Finish, Add</i>	400.51	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	62.78	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	276.21	
08 36 13 00-0065	EA		10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,617.84	605.13
			<i>For Aluminum, Mill Finish, Add</i>	160.46	
			<i>For Aluminum, Anodized Finish, Add</i>	449.02	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	70.38	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	309.67	
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,697.70	378.20
			<i>For Aluminum, Mill Finish, Add</i>	107.31	
			<i>For Aluminum, Anodized Finish, Add</i>	300.27	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	47.06	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	207.08	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,128.09	491.67
			<i>For Aluminum, Mill Finish, Add</i>	130.50	
			<i>For Aluminum, Anodized Finish, Add</i>	365.18	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	57.24	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	251.85	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,598.29	605.13
			<i>For Aluminum, Mill Finish, Add</i>	158.24	
			<i>For Aluminum, Anodized Finish, Add</i>	442.78	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	69.40	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	305.37	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,044.60	718.60
			<i>For Aluminum, Mill Finish, Add</i>	183.25	
			<i>For Aluminum, Anodized Finish, Add</i>	512.77	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	80.37	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	353.63	
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,694.70	869.87
			<i>For Aluminum, Mill Finish, Add</i>	222.87	
			<i>For Aluminum, Anodized Finish, Add</i>	623.63	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	97.75	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	430.09	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,041.93	491.67
			<i>For Aluminum, Mill Finish, Add</i>	120.68	
			<i>For Aluminum, Anodized Finish, Add</i>	337.69	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	52.93	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	232.89	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,529.51	605.13
			<i>For Aluminum, Mill Finish, Add</i>	150.39	
			<i>For Aluminum, Anodized Finish, Add</i>	420.84	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	65.96	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	290.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0073 EA 14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,089.12	756.41
For Aluminum, Mill Finish, Add	179.70	
For Aluminum, Anodized Finish, Add	502.84	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	78.81	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	346.78	
08 36 13 00-0074 EA 14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,628.09	869.87
For Aluminum, Mill Finish, Add	215.27	
For Aluminum, Anodized Finish, Add	602.38	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	94.42	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	415.44	
08 36 13 00-0075 EA 14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,155.50	983.34
For Aluminum, Mill Finish, Add	249.53	
For Aluminum, Anodized Finish, Add	698.24	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	109.44	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	481.54	
08 36 13 00-0076 EA 16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,454.93	605.13
For Aluminum, Mill Finish, Add	141.89	
For Aluminum, Anodized Finish, Add	397.05	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	62.23	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	273.83	
08 36 13 00-0077 EA 16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,147.04	756.41
For Aluminum, Mill Finish, Add	186.30	
For Aluminum, Anodized Finish, Add	521.31	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	81.71	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	359.53	
08 36 13 00-0078 EA 16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,667.19	869.87
For Aluminum, Mill Finish, Add	219.73	
For Aluminum, Anodized Finish, Add	614.86	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	96.37	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	424.04	
08 36 13 00-0079 EA 16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,190.25	983.34
For Aluminum, Mill Finish, Add	253.49	
For Aluminum, Anodized Finish, Add	709.32	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	111.18	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	489.19	
08 36 13 00-0080 EA 16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,938.85	1,134.62
For Aluminum, Mill Finish, Add	304.33	
For Aluminum, Anodized Finish, Add	851.60	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	133.48	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	587.31	
08 36 13 00-0081 EA 18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,866.10	756.41
For Aluminum, Mill Finish, Add	154.27	
For Aluminum, Anodized Finish, Add	431.69	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	67.66	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	297.72	
08 36 13 00-0082 EA 18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,512.96	869.87
For Aluminum, Mill Finish, Add	202.15	
For Aluminum, Anodized Finish, Add	565.66	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	88.66	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	390.11	
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,062.82	983.34
For Aluminum, Mill Finish, Add	238.96	
For Aluminum, Anodized Finish, Add	668.67	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	104.81	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	461.15	
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,012.70	1,134.62
For Aluminum, Mill Finish, Add	312.75	
For Aluminum, Anodized Finish, Add	875.16	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	137.17	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	603.56	
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,517.28	1,285.90
For Aluminum, Mill Finish, Add	335.78	
For Aluminum, Anodized Finish, Add	939.60	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	147.27	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	648.00	
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,499.20	869.87
For Aluminum, Mill Finish, Add	200.58	
For Aluminum, Anodized Finish, Add	561.27	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	87.97	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	387.08	
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,094.68	983.34
For Aluminum, Mill Finish, Add	242.59	
For Aluminum, Anodized Finish, Add	678.84	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	106.40	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	468.16	
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,161.13	1,134.62
For Aluminum, Mill Finish, Add	329.67	
For Aluminum, Anodized Finish, Add	922.51	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	144.59	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	636.21	
08 36 13 00-0089 EA 20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,649.78	1,285.90
For Aluminum, Mill Finish, Add	350.89	
For Aluminum, Anodized Finish, Add	981.87	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	153.90	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	677.15	

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0090 EA 20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,529.42 416.67 1,165.95 182.75 804.11	1,437.18
08 36 13 00-0091 EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,856.46 215.44 602.84 94.49 415.75	983.34
08 36 13 00-0092 EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,719.46 279.32 781.62 122.51 539.05	1,134.62
08 36 13 00-0093 EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,570.14 341.81 956.46 149.92 659.63	1,285.90
08 36 13 00-0094 EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,255.01 385.39 1,078.42 169.03 743.74	1,437.18
08 36 13 00-0095 EA 22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,105.66 447.88 1,253.26 196.44 864.32	1,588.47
08 36 13 00-0096 EA 24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,319.06 233.68 653.89 102.49 450.96	1,134.62
08 36 13 00-0097 EA 24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,262.42 306.73 858.30 134.53 591.93	1,285.90
08 36 13 00-0098 EA 24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,071.83 364.51 1,019.98 159.87 703.44	1,437.18
08 36 13 00-0099 EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,923.93 427.16 1,195.29 187.35 824.34	1,588.47
08 36 13 00-0100 EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,763.73 488.40 1,366.67 214.21 942.53	1,739.75
08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013) Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102 EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	869.62 152.34 27.00 260.45	151.28
08 36 13 00-0103 EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	957.81 179.68 27.00 307.19	151.28
08 36 13 00-0104 EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,244.43 251.93 27.00 430.73	173.07
08 36 13 00-0105 EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,383.01 294.89 27.00 504.17	173.07
08 36 13 00-0106 Remove And Reinstall Sectional Metal Overhead Doors And Supports (08 36 13 00-0013) Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107 SF Remove And Reinstall Sectional Metal Overhead Door And Supports.....	10.74	
08 36 13 00-0108 Sectional Fiberglass Overhead Doors (08 36 13)		
08 36 13 00-0109 Fiberglass Sectional Overhead Doors (08 36 13 00-0108)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors <small>(08 36 13 00-0109)</small>		
Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111 EA 8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,415.85	264.74
08 36 13 00-0112 EA 8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,673.64	302.57
08 36 13 00-0113 EA 8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,992.56	378.20
08 36 13 00-0114 EA 10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,656.15	302.57
08 36 13 00-0115 EA 10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,963.51	340.39
08 36 13 00-0116 EA 10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,477.57	472.76
08 36 13 00-0117 EA 10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,994.12	605.13
08 36 13 00-0118 EA 12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,967.78	378.20
08 36 13 00-0119 EA 12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,467.37	472.76
08 36 13 00-0120 EA 12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,960.91	567.31
08 36 13 00-0121 EA 12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,642.56	756.41
08 36 13 00-0122 EA 12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,252.12	907.70
08 36 13 00-0123 EA 14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,430.52	529.49
08 36 13 00-0124 EA 14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,932.89	605.13
08 36 13 00-0125 EA 14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,590.08	756.41
08 36 13 00-0126 EA 14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,246.29	907.70
08 36 13 00-0127 EA 14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,752.89	983.34
08 36 13 00-0128 EA 16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,762.34	605.13
08 36 13 00-0129 EA 16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,298.74	680.77
08 36 13 00-0130 EA 16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,995.53	832.06
08 36 13 00-0131 EA 16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,684.38	983.34
08 36 13 00-0132 EA 16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,222.56	1,058.98
08 36 13 00-0133 Insulated, Fiberglass Sectional Doors <small>(08 36 13 00-0109)</small>		
Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134 EA 8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	1,708.33	264.74
08 36 13 00-0135 EA 8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,026.25	302.57
08 36 13 00-0136 EA 8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	2,400.48	378.20
08 36 13 00-0137 EA 10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,002.98	302.57
08 36 13 00-0138 EA 10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,386.84	340.39
08 36 13 00-0139 EA 10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	2,983.15	472.76
08 36 13 00-0140 EA 10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	3,582.92	605.13
08 36 13 00-0141 EA 12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,367.53	378.20
08 36 13 00-0142 EA 12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,969.58	472.76
08 36 13 00-0143 EA 12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,563.67	567.31
08 36 13 00-0144 EA 12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	4,345.37	756.41
08 36 13 00-0145 EA 12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	5,056.43	907.70
08 36 13 00-0146 EA 14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,883.19	529.49
08 36 13 00-0147 EA 14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,501.49	605.13
08 36 13 00-0148 EA 14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,275.57	756.41
08 36 13 00-0149 EA 14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,048.67	907.70
08 36 13 00-0150 EA 14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	5,672.65	983.34
08 36 13 00-0151 EA 16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,274.66	605.13
08 36 13 00-0152 EA 16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,938.05	680.77
08 36 13 00-0153 EA 16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,764.73	832.06
08 36 13 00-0154 EA 16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,581.53	983.34
08 36 13 00-0155 EA 16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	6,247.20	1,058.98
08 36 13 00-0156 Sectional Overhead Door Accessories <small>(08 36 13)</small>		
08 36 13 00-0157 Sectional Overhead Door Accessories <small>(08 36 13 00-0156)</small>		
See CSI section 08 33 26 00-0052 for safety edge bottom bar.		
08 36 13 00-0158 LF Flap Seal For Sectional Doors	2.51	
08 36 13 00-0159 LF Weather Seal At Top Of Door	3.52	
08 36 13 00-0160 LF Weather Strip At Door Bottom, Astragal Only	2.15	
08 36 13 00-0161 EA Cylinder Lock	196.35	
08 36 13 00-0162 EA Manual Chain Hoist	370.04	
08 36 13 00-0163 EA Operator, Electric, Chain Lift	1,237.33	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164 EA 1/2 HP Trolley Operator	675.84	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165 SF Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing	18.39	
Note: Additional cost for factory supplied.		
08 36 13 00-0166 SF >2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing	11.47	
Note: Additional cost for factory supplied.		
08 36 13 00-0167 SF Up To 2 SF Per Window 1/8" Plexiglass Glazing	19.23	
Note: Additional cost for factory supplied.		
08 36 13 00-0168 SF >2 SF Per Window 1/8" Plexiglass Glazing	13.11	
Note: Additional cost for factory supplied.		
08 36 13 00-0169 SF Up To 2 SF Per Window 3/4" Insulated Glazing	30.93	
Note: Additional cost for factory supplied.		
08 36 13 00-0170 SF >2 SF Per Window 3/4" Insulated Glazing	20.88	
Note: Additional cost for factory supplied.		
08 36 13 00-0171 EA Vertical Lift Track For Sectional Doors Up To 12' High Door	315.70	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0172	EA		Vertical Lift Track For Sectional Doors >12' To 16' High Door.....	489.66	
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA		Vertical Lift Track For Sectional Doors >16' To 20' High Door.....	738.62	
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	SF		25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Door	0.79	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0175	SF		50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Door	1.02	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF		100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Door	1.35	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors (08 30)

08 38 13 Flexible Strip Doors (08 38)

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)

08 38 13 00-0002	SF		8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	7.34	3.79
			For Cooler/Freezer Doors, USDA Grade, Add	0.36	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	0.75	
08 38 13 00-0003	SF		8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	9.16	4.16
			For Cooler/Freezer Doors, USDA Grade, Add	0.50	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	1.05	
08 38 13 00-0004	SF		12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	8.26	3.79
			For Cooler/Freezer Doors, USDA Grade, Add	0.45	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	0.94	
08 38 13 00-0005	SF		12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	9.77	4.16
			For Cooler/Freezer Doors, USDA Grade, Add	0.56	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	1.18	
08 38 13 00-0006	SF		16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	9.47	3.79
			For Cooler/Freezer Doors, USDA Grade, Add	0.57	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	1.19	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)

08 38 13 00-0008	EA		8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	18.91	7.56
			For Cooler/Freezer Doors, USDA Grade, Add	1.14	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	2.38	
08 38 13 00-0009	EA		8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	20.62	7.56
			For Cooler/Freezer Doors, USDA Grade, Add	1.31	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	2.74	
08 38 13 00-0010	EA		12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	37.17	7.56
			For Cooler/Freezer Doors, USDA Grade, Add	2.96	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	6.22	
08 38 13 00-0011	EA		12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	44.35	7.56
			For Cooler/Freezer Doors, USDA Grade, Add	3.68	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	7.73	
08 38 13 00-0012	EA		12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	51.78	7.56
			For Cooler/Freezer Doors, USDA Grade, Add	4.42	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	9.29	
08 38 13 00-0013	EA		16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip	84.16	7.56
			For Cooler/Freezer Doors, USDA Grade, Add	7.66	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	16.09	

08 38 16 Flexible Traffic Doors (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)

08 38 16 00-0004	EA		72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,230.35	75.64
08 38 16 00-0005	EA		72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,323.10	75.64
08 38 16 00-0006	EA		96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	2,676.45	86.99
08 38 16 00-0007	EA		96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,000.10	94.56
08 38 16 00-0008	EA		108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,605.31	94.56
08 38 16 00-0009	EA		108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,812.97	94.56
08 38 16 00-0010	EA		120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,366.11	113.46



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0002)</small>		
08 38 16 00-0012 EA 72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,359.48	75.64
08 38 16 00-0013 EA 72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,462.77	75.64
08 38 16 00-0014 EA 96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,152.10	86.99
08 38 16 00-0015 EA 96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,473.63	94.56
08 38 16 00-0016 EA 108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,148.39	94.56
08 38 16 00-0017 EA 108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,359.62	94.56
08 38 16 00-0018 EA 120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,974.27	113.46
08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliaison FMP) <small>(08 38 16)</small> Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0022 EA 24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	620.56	41.60
08 38 16 00-0023 EA 40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	665.83	41.60
08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025 EA 24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	665.83	41.60
08 38 16 00-0026 EA 40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	678.59	41.60
08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029 EA 48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,218.41	71.86
08 38 16 00-0030 EA 80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,308.94	71.86
08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032 EA 48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,308.94	71.86
08 38 16 00-0033 EA 80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,334.48	71.86
08 38 19 Rigid Traffic Doors <small>(08 38)</small> Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliaison LWP-3) <small>(08 38 19)</small> Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002 Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003 84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004 EA 24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	324.61	41.60
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005 EA 28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	345.50	41.60
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006 EA 30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	357.40	43.50
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	370.17	43.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	386.75	45.39
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	414.60	45.39
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	434.04	51.06
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011			96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	360.59	41.60
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	376.83	41.60
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	389.90	43.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	399.18	43.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	434.33	45.39
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	441.29	45.39
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	459.58	51.06
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0019			Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)		
08 38 19 00-0020			84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)		
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	626.50	71.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	668.29	71.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	684.53	71.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0024	EA			64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	710.07	71.86
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA			72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	743.19	75.64
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA			80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	798.90	75.64
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA			84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	815.15	75.64
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028				96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0029	EA			48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	698.46	71.86
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA			56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	730.96	71.86
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA			60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	749.53	71.86
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA			64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	768.10	71.86
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA			72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	838.36	75.64
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA			80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	852.29	75.64
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA			84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	866.22	75.64
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036				3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) <small>(08 38 19)</small>		
				Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037				Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038				84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA			24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	538.16	41.60
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA			28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	592.71	41.60
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA			30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	618.54	43.50
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA			32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	641.75	43.50
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA			36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	652.53	45.39
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA			40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	700.11	45.39
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	754.37	51.06
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	762.50	51.06
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0047			96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors		
			<small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	584.58	41.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	641.45	41.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	667.28	43.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	696.30	43.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	721.00	45.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	767.43	45.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	797.32	51.06
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	826.33	51.06
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0056			Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors		
			<small>(08 38 19 00-0036)</small>		
08 38 19 00-0057			84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic		
			Doors		
			<small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,053.61	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,162.71	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,206.81	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,253.23	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,274.75	75.64
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,369.92	75.64
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,455.81	75.64
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,472.05	75.64
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0066			96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic		
			Doors		
			<small>(08 38 19 00-0056)</small>		
08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,146.46	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,260.20	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,304.30	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,362.33	71.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,411.70	75.64
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0072 EA 80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,504.55 6.00 19.00	75.64
08 38 19 00-0073 EA 84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,541.69 6.00 19.00	75.64
08 38 19 00-0074 EA 88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,599.72 6.00 19.00	75.64
08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) (08 38 19) Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0078 EA 24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	566.01 6.00 19.00	41.60
08 38 19 00-0079 EA 28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	635.65 6.00 19.00	41.60
08 38 19 00-0080 EA 30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	658.00 6.00 19.00	43.50
08 38 19 00-0081 EA 32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	664.96 6.00 19.00	43.50
08 38 19 00-0082 EA 36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	675.74 6.00 19.00	45.39
08 38 19 00-0083 EA 40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	740.73 6.00 19.00	45.39
08 38 19 00-0084 EA 42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	805.44 6.00 19.00	51.06
08 38 19 00-0085 EA 44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	813.56 6.00 19.00	51.06
08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0087 EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	581.10 6.00 19.00	41.60
08 38 19 00-0088 EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	666.99 6.00 19.00	41.60
08 38 19 00-0089 EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	690.50 6.00 19.00	43.50
08 38 19 00-0090 EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	699.78 6.00 19.00	43.50
08 38 19 00-0091 EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	705.91 6.00 19.00	45.39
08 38 19 00-0092 EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	753.50 6.00 19.00	45.39
08 38 19 00-0093 EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	817.05 6.00 19.00	51.06
08 38 19 00-0094 EA 44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	826.33 6.00 19.00	51.06
08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0097 EA 48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,109.32 6.00 19.00	71.86

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0098 EA 56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,248.59 6.00 19.00	71.86
08 38 19 00-0099 EA 60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,285.73 6.00 19.00	71.86
08 38 19 00-0100 EA 64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,299.66 6.00 19.00	71.86
08 38 19 00-0101 EA 72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,321.17 6.00 19.00	75.64
08 38 19 00-0102 EA 80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,451.16 6.00 19.00	75.64
08 38 19 00-0103 EA 84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,557.94 6.00 19.00	75.64
08 38 19 00-0104 EA 88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,574.19 6.00 19.00	75.64
08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0106 EA 48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,139.49 6.00 19.00	71.86
08 38 19 00-0107 EA 56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,311.26 6.00 19.00	71.86
08 38 19 00-0108 EA 60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,350.72 6.00 19.00	71.86
08 38 19 00-0109 EA 64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,369.29 6.00 19.00	71.86
08 38 19 00-0110 EA 72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,381.53 6.00 19.00	75.64
08 38 19 00-0111 EA 80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,476.70 6.00 19.00	75.64
08 38 19 00-0112 EA 84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,581.15 6.00 19.00	75.64
08 38 19 00-0113 EA 88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,599.72 6.00 19.00	75.64
08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2) (08 38 19)		
Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)		
08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)		
08 38 19 00-0117 EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	705.29 22.00 28.00 41.00	41.60
08 38 19 00-0118 EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	766.80 22.00 28.00 41.00	41.60
08 38 19 00-0119 EA 30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	786.83 22.00 28.00 41.00	43.50
08 38 19 00-0120 EA 32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	801.92 22.00 28.00 41.00	43.50
08 38 19 00-0121 EA 36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	831.26 22.00 28.00 41.00	45.39



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0122	EA			40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	860.27	45.39
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0123	EA			42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	894.81	51.06
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0124	EA			44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	914.54	51.06
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0125				96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors		
				<small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA			24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	757.51	41.60
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0127	EA			28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	822.51	41.60
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0128	EA			30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	843.70	43.50
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0129	EA			32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	851.82	43.50
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0130	EA			36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	878.84	45.39
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0131	EA			40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	917.14	45.39
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0132	EA			42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	947.03	51.06
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0133	EA			44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	966.76	51.06
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0134				Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors		
				<small>(08 38 19 00-0114)</small>		
08 38 19 00-0135				84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors		
				<small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA			48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,387.86	71.86
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0137	EA			56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,510.89	71.86
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0138	EA			60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,543.39	71.86
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0139	EA			64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,573.56	71.86
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0140	EA			72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,632.22	75.64
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0141	EA			80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,690.25	75.64
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0142	EA			84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,736.67	75.64
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0143	EA		88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,776.13	75.64
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0144			96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0134)		
08 38 19 00-0145	EA		48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,492.32	71.86
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0146	EA		56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,622.31	71.86
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0147	EA		60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,657.13	71.86
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0148	EA		64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,673.37	71.86
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0149	EA		72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,727.39	75.64
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,803.99	75.64
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,841.13	75.64
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,880.59	75.64
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0153			1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) (08 38 19 00-0154)		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154			Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)		
08 38 19 00-0155			84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	693.68	41.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	727.34	41.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	761.29	43.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	781.02	43.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	833.58	45.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	873.04	45.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	915.70	51.06
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	952.84	51.06
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0164			90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	716.89	41.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	757.51	41.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	781.02	43.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	808.88	43.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	864.92	45.39
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	912.50	45.39
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	952.84	51.06
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	987.66	51.06
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0173			96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
				Doors <small>(08 38 19 00-0154)</small>		
	08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	776.08	41.60
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	784.21	41.60
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	821.65	43.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	847.18	43.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	904.38	45.39
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	961.25	45.39
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	999.26	51.06
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,034.08	51.06
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0182			Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
	08 38 19 00-0183			84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
				Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,364.65	71.86
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,431.97	71.86
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,492.32	71.86
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,531.78	71.86
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,636.86	75.64
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,715.78	75.64
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,778.46	75.64
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,852.73	75.64
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
				Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,411.08	71.86
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,492.32	71.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,531.78	71.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,587.49	71.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,699.53	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,794.70	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,852.73	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,922.37	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
			Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,529.46	71.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,545.71	71.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,613.02	71.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,664.09	71.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,778.46	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,892.20	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,945.58	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,015.22	75.64
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) <small>(08 38 19 00-0210)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic		
			Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	693.68	41.60
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	727.34	41.60
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	761.29	43.50
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	781.02	43.50
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	833.58	45.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	873.04	45.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	915.70	51.06
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	952.84	51.06
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222 EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	716.89	41.60
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0223 EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	757.51	41.60
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0224 EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	781.02	43.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0225 EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	808.88	43.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0226 EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	864.92	45.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0227 EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	912.50	45.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0228 EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	952.84	51.06
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0229 EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	987.66	51.06
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231 EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	776.08	41.60
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0232 EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	784.21	41.60
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0233 EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	821.65	43.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0234 EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	847.18	43.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0235 EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	904.38	45.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0236 EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	961.25	45.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0237 EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	999.26	51.06
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0238 EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,034.08	51.06
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241 EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,364.65	71.86
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0242 EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,431.97	71.86
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0243 EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,492.32	71.86
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0244 EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,531.78	71.86
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0245 EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,636.86	75.64
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0246 EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,715.78	75.64
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0247 EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,778.46	75.64
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0248 EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,852.73 6.00 19.00	75.64
08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0250 EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,411.08 6.00 19.00	71.86
08 38 19 00-0251 EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,492.32 6.00 19.00	71.86
08 38 19 00-0252 EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,531.78 6.00 19.00	71.86
08 38 19 00-0253 EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,587.49 6.00 19.00	71.86
08 38 19 00-0254 EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,699.53 6.00 19.00	75.64
08 38 19 00-0255 EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,794.70 6.00 19.00	75.64
08 38 19 00-0256 EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,852.73 6.00 19.00	75.64
08 38 19 00-0257 EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,922.37 6.00 19.00	75.64
08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0259 EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,529.46 6.00 19.00	71.86
08 38 19 00-0260 EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,545.71 6.00 19.00	71.86
08 38 19 00-0261 EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,613.02 6.00 19.00	71.86
08 38 19 00-0262 EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,664.09 6.00 19.00	71.86
08 38 19 00-0263 EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,778.46 6.00 19.00	75.64
08 38 19 00-0264 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,892.20 6.00 19.00	75.64
08 38 19 00-0265 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,945.58 6.00 19.00	75.64
08 38 19 00-0266 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,015.22 6.00 19.00	75.64
08 38 19 00-0267 Rigid Impact Traffic Door Accessories (08 38 19)		
08 38 19 00-0268 Bumper Strips For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors	73.19	30.25
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors	79.00	30.25
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors	83.64	30.25
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors	91.76	30.25
08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors	167.20	30.25
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors	215.95	30.25
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors	309.96	30.25
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors	355.22	30.25
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors	401.65	30.25
08 38 19 00-0279 Scuff Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0281	SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates	.....	83.64	30.25
08 38 19 00-0282	SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates	.....	88.28	30.25
08 38 19 00-0283	SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates	.....	94.08	30.25
08 38 19 00-0284	SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates	.....	102.21	30.25
08 38 19 00-0285	SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates	.....	106.85	30.25
08 38 19 00-0286	24" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>			
08 38 19 00-0287	SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates	.....	106.85	30.25
08 38 19 00-0288	SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates	.....	127.74	30.25
08 38 19 00-0289	SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates	.....	139.35	30.25
08 38 19 00-0290	SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates	.....	155.60	30.25
08 38 19 00-0291	SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates	.....	166.04	30.25
08 38 19 00-0292	30" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>			
08 38 19 00-0293	SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates	.....	127.74	30.25
08 38 19 00-0294	SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates	.....	146.31	30.25
08 38 19 00-0295	SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates	.....	160.24	30.25
08 38 19 00-0296	SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates	.....	185.77	30.25
08 38 19 00-0297	SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates	.....	203.18	30.25
08 38 19 00-0298	36" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>			
08 38 19 00-0299	SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates	.....	139.35	30.25
08 38 19 00-0300	SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates	.....	160.24	30.25
08 38 19 00-0301	SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	.....	183.45	30.25
08 38 19 00-0302	SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	.....	196.22	30.25
08 38 19 00-0303	SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	.....	215.95	30.25
08 38 19 00-0304	48" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>			
08 38 19 00-0305	SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	.....	166.04	30.25
08 38 19 00-0306	SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	.....	203.18	30.25
08 38 19 00-0307	SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates	.....	215.95	30.25
08 38 19 00-0308	SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates	.....	240.32	30.25
08 38 19 00-0309	SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates	.....	267.01	30.25
08 38 19 00-0310	Base Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small>			
	Note: Includes two base plates per set.			
08 38 19 00-0311	Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>			
08 38 19 00-0312	12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
08 38 19 00-0313	SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	81.32	30.25
08 38 19 00-0314	SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	85.96	30.25
08 38 19 00-0315	SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	88.28	30.25
08 38 19 00-0316	SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	98.73	30.25
08 38 19 00-0317	SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	103.37	30.25
08 38 19 00-0318	24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
08 38 19 00-0319	SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	98.73	30.25
08 38 19 00-0320	SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	105.69	30.25
08 38 19 00-0321	SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	112.65	30.25
08 38 19 00-0322	SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	118.46	30.25
08 38 19 00-0323	SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	127.74	30.25
08 38 19 00-0324	30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
08 38 19 00-0325	SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	110.33	30.25
08 38 19 00-0326	SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	116.14	30.25
08 38 19 00-0327	SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	130.06	30.25
08 38 19 00-0328	SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	145.15	30.25
08 38 19 00-0329	SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	152.11	30.25
08 38 19 00-0330	36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
08 38 19 00-0331	SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	116.14	30.25
08 38 19 00-0332	SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	127.74	30.25
08 38 19 00-0333	SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	145.15	30.25
08 38 19 00-0334	SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	159.08	30.25
08 38 19 00-0335	SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	167.20	30.25
08 38 19 00-0336	48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
08 38 19 00-0337	SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	.....	142.83	30.25

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0338	SET		30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	159.08	30.25
08 38 19 00-0339	SET		36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	181.13	30.25
08 38 19 00-0340	SET		42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	191.57	30.25
08 38 19 00-0341	SET		48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	205.50	30.25
08 38 19 00-0342			Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343			12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344	SET		24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	102.21	30.25
08 38 19 00-0345	SET		30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	106.85	30.25
08 38 19 00-0346	SET		36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	120.78	30.25
08 38 19 00-0347	SET		42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	127.74	30.25
08 38 19 00-0348	SET		48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	147.47	30.25
08 38 19 00-0349			24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350	SET		24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	134.70	30.25
08 38 19 00-0351	SET		30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	155.60	30.25
08 38 19 00-0352	SET		36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	176.49	30.25
08 38 19 00-0353	SET		42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	202.02	30.25
08 38 19 00-0354	SET		48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	225.23	30.25
08 38 19 00-0355			30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0356	SET		24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	150.95	30.25
08 38 19 00-0357	SET		30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	178.81	30.25
08 38 19 00-0358	SET		36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	204.34	30.25
08 38 19 00-0359	SET		42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	231.04	30.25
08 38 19 00-0360	SET		48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	262.37	30.25
08 38 19 00-0361			36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0362	SET		24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	171.84	30.25
08 38 19 00-0363	SET		30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	202.02	30.25
08 38 19 00-0364	SET		36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	236.84	30.25
08 38 19 00-0365	SET		42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	270.50	30.25
08 38 19 00-0366	SET		48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	299.51	30.25
08 38 19 00-0367			48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0368	SET		24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	208.98	30.25
08 38 19 00-0369	SET		30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	280.94	30.25
08 38 19 00-0370	SET		36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	299.51	30.25
08 38 19 00-0371	SET		42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	355.22	30.25
08 38 19 00-0372	SET		48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	387.72	30.25
08 38 19 00-0373			One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374			12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375	SET		24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	92.92	30.25
08 38 19 00-0376	SET		30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	98.73	30.25
08 38 19 00-0377	SET		36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	105.69	30.25
08 38 19 00-0378	SET		42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	113.81	30.25
08 38 19 00-0379	SET		48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	126.58	30.25
08 38 19 00-0380			24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381	SET		24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	118.46	30.25
08 38 19 00-0382	SET		30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	132.38	30.25
08 38 19 00-0383	SET		36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	146.31	30.25
08 38 19 00-0384	SET		42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	161.40	30.25
08 38 19 00-0385	SET		48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	178.81	30.25
08 38 19 00-0386			30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387	SET		24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	132.38	30.25
08 38 19 00-0388	SET		30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	149.79	30.25
08 38 19 00-0389	SET		36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	169.52	30.25
08 38 19 00-0390	SET		42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	193.90	30.25
08 38 19 00-0391	SET		48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	210.14	30.25



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0392	36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>			
08 38 19 00-0393	SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	146.31	30.25	
08 38 19 00-0394	SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	169.52	30.25	
08 38 19 00-0395	SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	193.90	30.25	
08 38 19 00-0396	SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	218.27	30.25	
08 38 19 00-0397	SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	235.68	30.25	
08 38 19 00-0398	48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>			
08 38 19 00-0399	SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	178.81	30.25	
08 38 19 00-0400	SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	214.79	30.25	
08 38 19 00-0401	SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	235.68	30.25	
08 38 19 00-0402	SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	277.46	30.25	
08 38 19 00-0403	SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	289.07	30.25	
08 38 19 00-0404	Jamb Guards For Impact Traffic Doors <small>(08 38 19 00-0267)</small>			
08 38 19 00-0405	EA 3" x 9", Jamb Guard For Impact Traffic Doors	124.87	37.82	
08 38 19 00-0406	EA 5" x 18", Jamb Guard For Impact Traffic Doors	159.68	37.82	
08 38 19 00-0407	EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	287.35	37.82	
08 38 19 00-0408	Other Impact Traffic Door Accessories <small>(08 38 19 00-0267)</small>			
08 38 19 00-0409	EA Push Plate For Impact Traffic Doors	37.48	18.91	
08 38 19 00-0410	EA Pull Handle For Impact Traffic Doors	45.60	18.91	
08 38 19 00-0411	EA Deadbolt Lock For Impact Traffic Doors	95.51	18.91	
08 38 19 00-0412	PR Lock Hole Reinforcements For Impact Traffic Doors	116.40	18.91	
08 38 19 00-0413	PR Padlock Brackets For Impact Traffic Doors	53.73	18.91	
08 38 19 00-0414	Impact Traffic Door Knock Down Frames <small>(08 38 19)</small>			
	Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.			
08 38 19 00-0415	Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0414)</small>			
08 38 19 00-0416	84" Height, Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0415)</small>			
08 38 19 00-0417	EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	320.76	56.73	
08 38 19 00-0418	EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	371.59	62.40	
08 38 19 00-0419	EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	383.09	66.19	
08 38 19 00-0420	EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	397.89	71.86	
08 38 19 00-0421	EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	409.90	75.64	
08 38 19 00-0422	EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	428.11	79.42	
08 38 19 00-0423	EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	442.80	83.21	
08 38 19 00-0424	EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	454.26	86.99	
08 38 19 00-0425	90" Height, Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0415)</small>			
08 38 19 00-0426	EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	325.93	56.73	
08 38 19 00-0427	EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	377.75	62.40	
08 38 19 00-0428	EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	389.36	66.19	
08 38 19 00-0429	EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	404.25	71.86	
08 38 19 00-0430	EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	416.36	75.64	
08 38 19 00-0431	EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	434.84	79.42	
08 38 19 00-0432	EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	449.70	83.21	
08 38 19 00-0433	EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	461.27	86.99	
08 38 19 00-0434	96" Height, Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0415)</small>			
08 38 19 00-0435	EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	332.82	56.73	
08 38 19 00-0436	EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	385.95	62.40	
08 38 19 00-0437	EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	397.69	66.19	
08 38 19 00-0438	EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	410.65	71.86	
08 38 19 00-0439	EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	424.95	75.64	
08 38 19 00-0440	EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	441.57	79.42	
08 38 19 00-0441	EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	458.88	83.21	
08 38 19 00-0442	EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	471.09	85.10	
08 38 19 00-0443	Double Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0414)</small>			
08 38 19 00-0444	84" Height, Double Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0443)</small>			
08 38 19 00-0445	EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	460.23	86.99	
08 38 19 00-0446	EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	469.31	88.50	
08 38 19 00-0447	EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	477.67	90.77	
08 38 19 00-0448	EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	491.90	94.56	
08 38 19 00-0449	EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	502.65	98.33	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0450	EA		80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	516.25	99.09
08 38 19 00-0451	EA		84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	526.19	100.23
08 38 19 00-0452	EA		88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	538.87	102.12

08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)

08 38 19 00-0454	EA		48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	467.38	86.99
08 38 19 00-0455	EA		56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	476.56	88.50
08 38 19 00-0456	EA		60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	485.07	90.77
08 38 19 00-0457	EA		64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	499.47	94.56
08 38 19 00-0458	EA		72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	510.31	98.33
08 38 19 00-0459	EA		80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	524.20	99.09
08 38 19 00-0460	EA		84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	534.33	100.23
08 38 19 00-0461	EA		88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	547.24	102.12

08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)

08 38 19 00-0463	EA		48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	475.73	86.99
08 38 19 00-0464	EA		56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	483.80	88.50
08 38 19 00-0465	EA		60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	494.90	90.77
08 38 19 00-0466	EA		64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	507.04	94.56
08 38 19 00-0467	EA		72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	520.47	98.33
08 38 19 00-0468	EA		80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	535.92	99.09
08 38 19 00-0469	EA		84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	545.15	100.23
08 38 19 00-0470	EA		88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	558.98	102.12

08 40 Entrances, Storefronts, And Curtain Walls (08)**08 41 Entrances And Storefronts (08 40)****08 41 13 Aluminum-Framed Entrances And Storefronts (08 41)****08 41 13 00-0001 Aluminum Framed Entrance Doors (08 41 13)**

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 16 00-2087 for exit device, 08 71 16 00-2205 for closer.

08 41 13 00-0002	EA		3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	2,505.46	554.02
			For 8' High Door, Add	192.61	
			For 10' High Door, Add	418.71	
			For 1" Insulated Glazing, Add	39.32	
08 41 13 00-0003	EA		3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	2,516.32	554.02
			For 8' High Door, Add	193.86	
			For 10' High Door, Add	421.43	
			For 1" Insulated Glazing, Add	39.32	
08 41 13 00-0004	PR		6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	4,145.42	830.87
			For 8' High Door, Add	333.73	
			For 10' High Door, Add	725.49	
			For 1" Insulated Glazing, Add	78.65	
08 41 13 00-0005	PR		7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	4,679.38	830.87
			For 8' High Door, Add	395.13	
			For 10' High Door, Add	858.98	
			For 1" Insulated Glazing, Add	78.65	
08 41 13 00-0006	EA		3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	2,733.37	554.02
			For 8' High Door, Add	218.82	
			For 10' High Door, Add	475.69	
			For 1" Insulated Glazing, Add	39.32	
08 41 13 00-0007	EA		3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	2,758.33	554.02
			For 8' High Door, Add	221.69	
			For 10' High Door, Add	481.93	
			For 1" Insulated Glazing, Add	39.32	
08 41 13 00-0008	PR		6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	4,576.28	830.87
			For 8' High Door, Add	383.28	
			For 10' High Door, Add	833.21	
			For 1" Insulated Glazing, Add	78.65	
08 41 13 00-0009	PR		7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	5,097.66	830.87
			For 8' High Door, Add	443.23	
			For 10' High Door, Add	963.55	
			For 1" Insulated Glazing, Add	78.65	

08 42 Entrances (08 40)**08 42 26 All-Glass Entrances (08 42)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0001 Full Glass Entrance Doors <small>(08 42 26)</small> Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.		
08 42 26 00-0002 EA 3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,053.10	207.65
<i>For Anodized Color, Add</i>	400.05	
<i>For Stainless Steel, Add</i>	1,444.61	
<i>For 8' High Door, Add</i>	255.59	
<i>For 10' High Door, Add</i>	555.62	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0003 PR 6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2").....	5,382.92	249.19
<i>For Anodized Color, Add</i>	755.34	
<i>For Stainless Steel, Add</i>	2,727.61	
<i>For 8' High Door, Add</i>	482.58	
<i>For 10' High Door, Add</i>	1,049.08	
<i>For 1" Insulated Glazing, Add</i>	78.65	
08 42 26 00-0004 EA 3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,453.49	207.65
<i>For Anodized Color, Add</i>	472.12	
<i>For Stainless Steel, Add</i>	1,704.87	
<i>For 8' High Door, Add</i>	301.63	
<i>For 10' High Door, Add</i>	655.72	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0005 PR 6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8").....	6,245.00	249.19
<i>For Anodized Color, Add</i>	910.51	
<i>For Stainless Steel, Add</i>	3,287.96	
<i>For 8' High Door, Add</i>	581.72	
<i>For 10' High Door, Add</i>	1,264.60	
<i>For 1" Insulated Glazing, Add</i>	78.65	
08 42 26 00-0006 EA 3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,852.32	207.65
<i>For Anodized Color, Add</i>	543.91	
<i>For Stainless Steel, Add</i>	1,964.11	
<i>For 8' High Door, Add</i>	347.50	
<i>For 10' High Door, Add</i>	755.43	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0007 PR 6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4").....	7,105.66	249.19
<i>For Anodized Color, Add</i>	1,065.43	
<i>For Stainless Steel, Add</i>	3,847.39	
<i>For 8' High Door, Add</i>	680.69	
<i>For 10' High Door, Add</i>	1,479.77	
<i>For 1" Insulated Glazing, Add</i>	78.65	
08 42 26 00-0008 EA 3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	4,651.51	207.65
<i>For Anodized Color, Add</i>	687.76	
<i>For Stainless Steel, Add</i>	2,483.58	
<i>For 8' High Door, Add</i>	439.40	
<i>For 10' High Door, Add</i>	955.22	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0009 PR 6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1").....	8,828.38	249.19
<i>For Anodized Color, Add</i>	1,375.52	
<i>For Stainless Steel, Add</i>	4,967.16	
<i>For 8' High Door, Add</i>	878.80	
<i>For 10' High Door, Add</i>	1,910.45	
<i>For 1" Insulated Glazing, Add</i>	78.65	

08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)

08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	18.30	2.50
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	23.82	3.32

08 42 29 Automatic Entrances (08 42)

08 42 29 23 Sliding Automatic Entrances (08 42 29)

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)

Note: Single sliding.

08 42 29 23-0003 EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,357.96	83.07
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	89.39	
<i>For Emergency Egress On All Panels, Add</i>	238.37	
08 42 29 23-0004 EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,522.77	112.13
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	97.39	
<i>For Emergency Egress On All Panels, Add</i>	259.70	
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,658.31	124.59
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	105.68	
<i>For Emergency Egress On All Panels, Add</i>	281.82	
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,790.29	137.05
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	113.71	
<i>For Emergency Egress On All Panels, Add</i>	303.24	
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,342.69	166.12
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	150.78	
<i>For Emergency Egress On All Panels, Add</i>	402.09	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0008	EA		12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,448.29 154.34 411.58	195.20
08 42 29 23-0009	EA		15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,247.66 209.93 559.83	224.27
08 42 29 23-0010			4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001) Note: Bi-parting.		
08 42 29 23-0011	EA		12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,747.78 174.94 466.49	207.65
08 42 29 23-0012	EA		14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,013.31 191.74 511.29	228.42
08 42 29 23-0013	EA		16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,278.85 208.54 556.10	249.19
08 42 29 23-0014	EA		18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,942.88 255.22 680.59	269.95
08 42 29 23-0015	EA		20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,606.91 301.91 805.09	290.64
08 42 29 23-0016			Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0017			2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Single sliding.		
08 42 29 23-0018	EA		5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,245.67 80.97 215.91	83.07
08 42 29 23-0019	EA		6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,400.45 88.21 235.24	112.13
08 42 29 23-0020	EA		7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,523.50 95.57 254.86	124.59
08 42 29 23-0021	EA		8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,647.45 103.00 274.67	137.05
08 42 29 23-0022	EA		10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,153.30 136.58 364.21	166.12
08 42 29 23-0023	EA		12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,254.42 139.80 372.80	195.20
08 42 29 23-0024	EA		15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,983.98 190.16 507.09	224.27
08 42 29 23-0025			4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0026	EA		12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,528.06 158.46 422.55	207.65
08 42 29 23-0027	EA		14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,772.48 173.67 463.13	228.42
08 42 29 23-0028	EA		16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,016.89 188.89 503.70	249.19
08 42 29 23-0029	EA		18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,622.30 231.18 616.48	269.95
08 42 29 23-0030	EA		20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,227.70 273.47 729.25	290.64
08 42 29 23-0031			Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0032			2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Single sliding.		
08 42 29 23-0033	EA		5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,547.73 103.62 276.32	83.07
08 42 29 23-0034	EA		6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,729.54 112.90 301.05	112.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0035 EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,006.79 131.82 351.52	124.59
08 42 29 23-0036 EA 8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,299.35 151.89 405.05	137.05
08 42 29 23-0037 EA 10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,662.83 174.79 466.12	166.12
08 42 29 23-0038 EA 12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,775.97 178.92 477.11	195.20
08 42 29 23-0039 EA 15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,693.40 243.37 648.97	224.27
08 42 29 23-0040 4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Bi-parting.		
08 42 29 23-0041 EA 12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,119.20 202.79 540.78	207.65
08 42 29 23-0042 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,420.39 222.27 592.71	228.42
08 42 29 23-0043 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,721.58 241.74 644.64	249.19
08 42 29 23-0044 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,484.76 295.86 788.97	269.95
08 42 29 23-0045 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,247.92 349.99 933.30	290.72
08 42 29 23-0046 Accessories For Sliding Automatic Entrances (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	3,587.04	756.41
08 42 29 23-0048 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	6,269.12	1,134.62
08 42 29 33 Swinging Automatic Entrances (08 42 29)		
08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33) Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	2,570.61	411.13
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	4,319.46	548.20
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel	2,129.34	328.90
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	3,764.89	493.35
08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	336.67	32.89
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... Note: Includes wiring harness and relays.	298.27	32.89
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38)..... Note: Includes wiring harness and relays.	301.33	32.89
08 42 29 33-0010 EA Push Plate For Door Operator (MS Sedco 59 Series)..... Note: Excludes wiring from operator to push plate.	121.83	32.89
08 42 29 33-0011 EA Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series) Note: Excludes wiring from operator to push button.	99.51	32.89
08 42 29 33-0012 EA Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	504.61	82.23
<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct</i>	-64.00	
08 42 29 33-0013 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	730.92	41.11
08 42 29 33-0014 EA Guard Rail For Door With Operator	157.78	41.11
08 42 33 Revolving Door Entrances (08 42)		
08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)		
08 42 33 00-0002 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... <i>For Automatic Controls, Add</i> <i>For Powder Coated, Add</i>	22,912.42 7,100.87 824.28	4,092.45

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0003	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	31,282.19	6,138.77
			<i>For Automatic Controls, Add</i>	8,226.31	
			<i>For Powder Coated, Add</i>	1,035.80	
08 42 33 00-0004	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	46,596.62	7,366.49
			<i>For Automatic Controls, Add</i>	8,901.57	
			<i>For Powder Coated, Add</i>	1,831.73	
08 42 33 00-0005	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	25,476.76	4,501.66
			<i>For Automatic Controls, Add</i>	7,330.55	
			<i>For Powder Coated, Add</i>	923.10	
08 42 33 00-0006	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	34,587.85	6,752.87
			<i>For Automatic Controls, Add</i>	8,533.24	
			<i>For Powder Coated, Add</i>	1,159.98	
08 42 33 00-0007	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	52,021.41	8,103.14
			<i>For Automatic Controls, Add</i>	9,351.74	
			<i>For Powder Coated, Add</i>	2,051.33	
08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)					
08 42 33 00-0009	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	23,458.82	4,092.45
			<i>For Automatic Controls, Add</i>	7,100.87	
08 42 33 00-0010	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	31,968.81	6,138.77
			<i>For Automatic Controls, Add</i>	8,226.31	
08 42 33 00-0011	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	47,810.85	7,366.49
			<i>For Automatic Controls, Add</i>	8,901.57	
08 42 33 00-0012	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	26,090.14	4,501.66
			<i>For Automatic Controls, Add</i>	7,330.55	
08 42 33 00-0013	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	35,358.62	6,752.87
			<i>For Automatic Controls, Add</i>	8,533.24	
08 42 33 00-0014	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	53,384.46	8,103.14
			<i>For Automatic Controls, Add</i>	9,351.74	
08 42 33 00-0015 Bronze Revolving Doors (08 42 33)					
08 42 33 00-0016	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	21,531.86	4,092.45
			<i>For Automatic Controls, Add</i>	7,100.87	
08 42 33 00-0017	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	29,547.36	6,138.77
			<i>For Automatic Controls, Add</i>	8,226.31	
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	43,528.70	7,366.49
			<i>For Automatic Controls, Add</i>	8,901.57	
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	23,931.93	4,501.66
			<i>For Automatic Controls, Add</i>	7,330.55	
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	32,646.59	6,752.87
			<i>For Automatic Controls, Add</i>	8,533.24	
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	48,588.45	8,103.14
			<i>For Automatic Controls, Add</i>	9,351.74	
08 42 36 Balanced Door Entrances (08 42)					
08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)					
Note: Includes check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.					
08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel	8,286.34	228.46
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-1,928.76	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	771.50	
			<i>For Tinted Glass, Add</i>	385.75	
			<i>For Aluminum, Painted Finish, Deduct</i>	-2,314.51	
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel	8,599.65	228.46
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,007.09	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	802.83	
			<i>For Tinted Glass, Add</i>	401.42	
			<i>For Aluminum, Painted Finish, Deduct</i>	-2,408.50	
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel	9,360.60	228.46
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,197.32	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	878.93	
			<i>For Tinted Glass, Add</i>	439.46	
			<i>For Aluminum, Painted Finish, Deduct</i>	-2,636.79	
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel	10,255.84	228.46
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,421.13	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	968.45	
			<i>For Tinted Glass, Add</i>	484.23	
			<i>For Aluminum, Painted Finish, Deduct</i>	-2,905.36	
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	17,142.21	434.20
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-4,014.18	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,605.67	
			<i>For Tinted Glass, Add</i>	802.84	
			<i>For Aluminum, Painted Finish, Deduct</i>	-4,817.01	

08 43 Storefronts (08 40)**08 43 13 Aluminum-Framed Storefronts (08 43)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0001 Aluminum Storefront Framing <small>(08 43 13)</small> Note: Includes frames, steel reinforcement and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 81 26 00-0050 for insulated glazing.		
08 43 13 00-0002 SF Aluminum Storefront Framing.....	14.94	3.99
For Bronze Anodized Finish, Add	1.34	
For Black Anodized Finish, Add	2.67	
For 70% Fluoropolymer Exterior Finish (Duranar), Add	0.89	
08 43 19 Stainless-Steel-Framed Storefronts <small>(08 43)</small>		
08 43 19 00-0001 Stainless Steel Storefront Framing <small>(08 43 19)</small> Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 26 00-0050 for insulated glazing.		
08 43 19 00-0002 SF Stainless Steel Storefront Framing.....	37.68	4.16
For 70% Fluoropolymer Exterior Finish (Duranar), Add	3.14	
08 44 Curtain Wall And Glazed Assemblies <small>(08 40)</small>		
08 44 13 Glazed Aluminum Curtain Walls <small>(08 44)</small>		
08 44 13 00-0001 Curtain Walls <small>(08 44 13)</small>		
08 44 13 00-0002 Coping Sections <small>(08 44 13 00-0001)</small>		
08 44 13 00-0003 LF Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	27.73	2.50
For Bronze Anodized Aluminum, Add	1.97	
For Stainless Steel, Add	8.62	
For Black Anodized Finish, Add	3.55	
08 44 13 00-0004 LF Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	28.43	2.50
For Bronze Anodized Aluminum, Add	2.08	
For Stainless Steel, Add	9.04	
For Black Anodized Finish, Add	3.74	
08 44 13 00-0005 LF Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	34.60	3.32
For Bronze Anodized Aluminum, Add	2.47	
For Stainless Steel, Add	10.78	
For Black Anodized Finish, Add	4.44	
08 44 13 00-0006 Sill Section <small>(08 44 13 00-0001)</small>		
08 44 13 00-0007 LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section.....	21.68	1.66
For Bronze Anodized Aluminum, Add	1.71	
For Stainless Steel, Add	7.37	
For Black Anodized Finish, Add	3.08	
08 44 13 00-0008 LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....	22.90	1.66
For Bronze Anodized Aluminum, Add	1.90	
For Stainless Steel, Add	8.10	
For Black Anodized Finish, Add	3.41	
08 44 13 00-0009 LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section.....	24.13	1.66
For Bronze Anodized Aluminum, Add	2.08	
For Stainless Steel, Add	8.84	
For Black Anodized Finish, Add	3.74	
08 44 13 00-0010 Aluminum Column Covers <small>(08 44 13 00-0001)</small> Note: Includes all clips and fasteners.		
08 44 13 00-0011 LF Aluminum Column Covers, 1/8" x 26", Shaped.....	52.15	4.16
For Bronze Anodized Aluminum, Add	4.31	
For Stainless Steel, Add	18.42	
For Black Anodized Finish, Add	7.76	
08 44 13 00-0012 LF Aluminum Column Covers, 1/8" x 34", Shaped.....	61.50	4.16
For Bronze Anodized Aluminum, Add	5.51	
For Stainless Steel, Add	23.26	
For Black Anodized Finish, Add	9.91	
08 44 13 00-0013 LF Aluminum Column Covers, 1/8" x 38", Shaped.....	64.76	4.16
For Bronze Anodized Aluminum, Add	5.99	
For Stainless Steel, Add	25.22	
For Black Anodized Finish, Add	10.79	
08 44 13 00-0014 Spandrel Covers <small>(08 44 13 00-0001)</small> Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015 SF 1" Spandrel Cover, Aluminum Both Faces.....	19.45	1.66
For Bronze Anodized Aluminum, Add	1.87	
For Stainless Steel, Add	7.83	
For Black Anodized Finish, Add	3.37	
08 44 13 00-0016 SF 1" Spandrel Cover, Aluminum Exterior Face.....	17.60	1.66
For Bronze Anodized Aluminum, Add	1.59	
For Stainless Steel, Add	6.72	
For Black Anodized Finish, Add	2.87	
08 44 13 00-0017 SF 1" Spandrel Cover, Epoxy Both Faces.....	32.92	1.66
For Bronze Anodized Aluminum, Add	3.89	
For Stainless Steel, Add	15.91	
For Black Anodized Finish, Add	7.00	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 44 Curtain Wall And Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0018	SF		1" Spandrel Cover, Epoxy Exterior Face Only	27.70	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	3.11	
			<i>For Stainless Steel, Add</i>	12.78	
			<i>For Black Anodized Finish, Add</i>	5.59	
08 44 13 00-0019	SF		2" Spandrel Cover, Aluminum Both Faces.....	22.47	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	2.05	
			<i>For Stainless Steel, Add</i>	8.65	
			<i>For Black Anodized Finish, Add</i>	3.69	
08 44 13 00-0020	SF		2" Spandrel Cover, Aluminum Exterior Face.....	20.72	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	1.79	
			<i>For Stainless Steel, Add</i>	7.60	
			<i>For Black Anodized Finish, Add</i>	3.22	
08 44 13 00-0021	SF		2" Spandrel Cover, Epoxy Both Faces.....	38.14	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	4.40	
			<i>For Stainless Steel, Add</i>	18.05	
			<i>For Black Anodized Finish, Add</i>	7.92	
08 44 13 00-0022	SF		2" Spandrel Cover, Epoxy Exterior Face Only	32.12	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	3.50	
			<i>For Stainless Steel, Add</i>	14.44	
			<i>For Black Anodized Finish, Add</i>	6.30	
08 44 13 00-0023			Curtain Wall, Aluminum System Framing Sections <small>(08 44 13 00-0001)</small>		
			Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	18.96	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	7.75	
			<i>For Black Anodized Finish, Add</i>	3.34	
08 44 13 00-0025	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	18.83	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	7.75	
			<i>For Black Anodized Finish, Add</i>	3.34	
08 44 13 00-0026	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	18.84	1.66
			<i>For Bronze Anodized Aluminum, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	7.75	
			<i>For Black Anodized Finish, Add</i>	3.34	
			<i>For Corner Mullion, Add</i>	4.06	
08 44 13 00-0027	LF		Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	24.76	3.32
			<i>For Bronze Anodized Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.37	
			<i>For Black Anodized Finish, Add</i>	3.99	
08 44 13 00-0028	LF		Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	24.76	3.32
			<i>For Bronze Anodized Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.37	
			<i>For Black Anodized Finish, Add</i>	3.99	
08 44 13 00-0029	LF		Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	24.76	3.32
			<i>For Bronze Anodized Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.37	
			<i>For Black Anodized Finish, Add</i>	3.99	
			<i>For Corner Mullion, Add</i>	5.19	
08 44 13 00-0030	LF		Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	27.28	3.65
			<i>For Bronze Anodized Aluminum, Add</i>	2.43	
			<i>For Stainless Steel, Add</i>	10.28	
			<i>For Black Anodized Finish, Add</i>	4.38	
08 44 13 00-0031	LF		Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	27.28	3.65
			<i>For Bronze Anodized Aluminum, Add</i>	2.43	
			<i>For Stainless Steel, Add</i>	10.28	
			<i>For Black Anodized Finish, Add</i>	4.38	
08 44 13 00-0032	LF		Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	27.28	3.65
			<i>For Bronze Anodized Aluminum, Add</i>	2.43	
			<i>For Stainless Steel, Add</i>	10.28	
			<i>For Black Anodized Finish, Add</i>	4.38	
			<i>For Corner Mullion, Add</i>	5.71	
08 44 13 00-0033	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	29.93	4.16
			<i>For Bronze Anodized Aluminum, Add</i>	2.64	
			<i>For Stainless Steel, Add</i>	11.19	
			<i>For Black Anodized Finish, Add</i>	4.76	
08 44 13 00-0034	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	29.93	4.16
			<i>For Bronze Anodized Aluminum, Add</i>	2.64	
			<i>For Stainless Steel, Add</i>	11.19	
			<i>For Black Anodized Finish, Add</i>	4.76	
08 44 13 00-0035	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	29.93	4.16
			<i>For Bronze Anodized Aluminum, Add</i>	2.64	
			<i>For Stainless Steel, Add</i>	11.19	
			<i>For Black Anodized Finish, Add</i>	4.76	
			<i>For Corner Mullion, Add</i>	6.25	
08 44 13 00-0036	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	33.32	4.49
			<i>For Bronze Anodized Aluminum, Add</i>	2.98	
			<i>For Stainless Steel, Add</i>	12.61	
			<i>For Black Anodized Finish, Add</i>	5.37	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	33.32	4.49
			<i>For Bronze Anodized Aluminum, Add</i>	2.98	
			<i>For Stainless Steel, Add</i>	12.61	
			<i>For Black Anodized Finish, Add</i>	5.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0038 LF Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls.....	33.32	4.49
<i>For Bronze Anodized Aluminum, Add</i>	2.98	
<i>For Stainless Steel, Add</i>	12.61	
<i>For Black Anodized Finish, Add</i>	5.37	
<i>For Corner Mullion, Add</i>	6.99	
08 44 13 00-0039 LF Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	38.23	4.98
<i>For Bronze Anodized Aluminum, Add</i>	3.42	
<i>For Stainless Steel, Add</i>	14.47	
<i>For Black Anodized Finish, Add</i>	6.16	
08 44 13 00-0040 LF Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	38.23	4.98
<i>For Bronze Anodized Aluminum, Add</i>	3.42	
<i>For Stainless Steel, Add</i>	14.47	
<i>For Black Anodized Finish, Add</i>	6.16	
08 44 13 00-0041 LF Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls.....	38.23	4.98
<i>For Bronze Anodized Aluminum, Add</i>	3.42	
<i>For Stainless Steel, Add</i>	14.47	
<i>For Black Anodized Finish, Add</i>	6.16	
<i>For Corner Mullion, Add</i>	8.02	

08 44 26 Structural Glass Curtain Walls (08 44)

08 44 26 00-0001 Centria Exterior Closure Components (08 44 26)

08 44 26 00-0002 SF Centria CS-260, 210 Single Skin Metal Panel	40.63	
Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.		
08 44 26 00-0003 SF Centria Formawall Insulated Metal Panels.....	60.39	
Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.		
08 44 26 00-0004 LF Centria Formawall Insulated Metal Panels Radius Column	99.43	
Note: Includes radius coping.		
08 44 26 00-0005 LF Centria Formawall Insulated Metal Panels Coping.....	19.88	
08 44 26 00-0006 SF Centria Formawavue 3000 Thru Tube Window System Without Glass	72.27	
Note: 20 psf windload with 70% Mica Kynar two coat finish factory installed.		
08 44 26 00-0007 SF Centria Formawavue 3000 Insulated Vision Units	11.46	
Note: Vision insulated units to be 1" oa clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.		
08 44 26 00-0008 SF Centria Formawavue 3000 Insulated Silkscreen Pattern Units.....	22.16	
Note: Silkscreen units to be 1" oa clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.		
08 44 26 00-0009 LF Centria Integrated Louver System	143.48	
Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.		
08 44 26 00-0010 LF Centria Integrated Sunshade System	679.37	
Note: Factory installed 70% Mica Kynar two coat finish.		

08 44 26 00-0011 Kalwall Exterior Closure Components (08 44 26)

08 44 26 00-0012 SF Kalwall Translucent Panel System Standard	85.17	
Note: 25 psf windload. Factory installed 70% Mica Kynar two coat finish.		
08 44 26 00-0013 SF Kalwall Translucent Panel System High Impact.....	88.34	
08 44 26 00-0014 EA Wind Clips.....	184.70	
Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.		
08 44 26 00-0015 EA Sill Angle With Welded Support Angles For The Kalwall System	215.48	
Note: Includes all welding, fasteners, prep, and clean up.		
08 44 26 00-0016 EA Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5").....	9.85	
08 44 26 00-0017 EA Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5").....	43.10	

08 45 Translucent Wall And Roof Assemblies (08 40)

08 45 23 Fiberglass-Sandwich-Panel Assemblies (08 45)

08 45 23 00-0001 Insulated Translucent Fiberglass Panels 2-3/4" Thick (08 45 23)

08 45 23 00-0002 SF <5,000 SF Insulated Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed	27.85	4.11
<i>For Aluminum Frame, Add</i>	2.17	
08 45 23 00-0003 SF >5,000 SF Insulated Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed	24.38	3.50
<i>For Aluminum Frame, Add</i>	1.92	

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)

08 51 13 Aluminum Windows (08 51)

Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)		
Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)		

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)		
08 51 13 00-0004 EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	299.67	72.61
For Installation In Concrete Or Masonry, Add	28.67	
For 50% Fluoropolymer Finish (Acrynar), Add	3.57	
For 70% Fluoropolymer Finish (Durantar), Add	10.72	
For Clear Anodized Finish, Add	8.93	
For Color Anodized Finish, Add	12.51	
08 51 13 00-0005 EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	334.82	77.15
For Installation In Concrete Or Masonry, Add	30.87	
For 50% Fluoropolymer Finish (Acrynar), Add	4.12	
For 70% Fluoropolymer Finish (Durantar), Add	12.37	
For Clear Anodized Finish, Add	10.31	
For Color Anodized Finish, Add	14.44	
08 51 13 00-0006 EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	365.17	81.69
For Installation In Concrete Or Masonry, Add	32.96	
For 50% Fluoropolymer Finish (Acrynar), Add	4.58	
For 70% Fluoropolymer Finish (Durantar), Add	13.74	
For Clear Anodized Finish, Add	11.45	
For Color Anodized Finish, Add	16.03	
08 51 13 00-0007 EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	390.71	86.23
For Installation In Concrete Or Masonry, Add	34.92	
For 50% Fluoropolymer Finish (Acrynar), Add	4.94	
For 70% Fluoropolymer Finish (Durantar), Add	14.82	
For Clear Anodized Finish, Add	12.35	
For Color Anodized Finish, Add	17.29	
08 51 13 00-0008 EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	445.04	90.77
For Installation In Concrete Or Masonry, Add	37.60	
For 50% Fluoropolymer Finish (Acrynar), Add	5.88	
For 70% Fluoropolymer Finish (Durantar), Add	17.63	
For Clear Anodized Finish, Add	14.69	
For Color Anodized Finish, Add	20.56	
08 51 13 00-0009 SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	14.34	2.72
For Installation In Concrete Or Masonry, Add	1.15	
For 50% Fluoropolymer Finish (Acrynar), Add	0.20	
For 70% Fluoropolymer Finish (Durantar), Add	0.59	
For Clear Anodized Finish, Add	0.49	
For Color Anodized Finish, Add	0.69	
08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)		
08 51 13 00-0011 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	426.76	72.61
For Installation In Concrete Or Masonry, Add	31.85	
For 50% Fluoropolymer Finish (Acrynar), Add	6.11	
For 70% Fluoropolymer Finish (Durantar), Add	18.34	
For Clear Anodized Finish, Add	15.29	
For Color Anodized Finish, Add	21.40	
08 51 13 00-0012 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	472.70	77.15
For Installation In Concrete Or Masonry, Add	34.32	
For 50% Fluoropolymer Finish (Acrynar), Add	6.88	
For 70% Fluoropolymer Finish (Durantar), Add	20.65	
For Clear Anodized Finish, Add	17.21	
For Color Anodized Finish, Add	24.09	
08 51 13 00-0013 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	511.45	81.69
For Installation In Concrete Or Masonry, Add	36.61	
For 50% Fluoropolymer Finish (Acrynar), Add	7.51	
For 70% Fluoropolymer Finish (Durantar), Add	22.52	
For Clear Anodized Finish, Add	18.76	
For Color Anodized Finish, Add	26.27	
08 51 13 00-0014 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	548.98	86.23
For Installation In Concrete Or Masonry, Add	38.88	
For 50% Fluoropolymer Finish (Acrynar), Add	8.11	
For 70% Fluoropolymer Finish (Durantar), Add	24.32	
For Clear Anodized Finish, Add	20.26	
For Color Anodized Finish, Add	28.37	
08 51 13 00-0015 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	646.47	90.77
For Installation In Concrete Or Masonry, Add	42.64	
For 50% Fluoropolymer Finish (Acrynar), Add	9.90	
For 70% Fluoropolymer Finish (Durantar), Add	29.71	
For Clear Anodized Finish, Add	24.76	
For Color Anodized Finish, Add	34.66	
08 51 13 00-0016 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	21.05	2.72
For Installation In Concrete Or Masonry, Add	1.32	
For 50% Fluoropolymer Finish (Acrynar), Add	0.33	
For 70% Fluoropolymer Finish (Durantar), Add	0.99	
For Clear Anodized Finish, Add	0.83	
For Color Anodized Finish, Add	1.16	
08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0018 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	448.35	72.61
For Installation In Concrete Or Masonry, Add	32.39	
For 50% Fluoropolymer Finish (Acrynar), Add	6.55	
For 70% Fluoropolymer Finish (Duramar), Add	19.64	
For Clear Anodized Finish, Add	16.37	
For Color Anodized Finish, Add	22.91	
08 51 13 00-0019 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	502.68	77.15
For Installation In Concrete Or Masonry, Add	35.07	
For 50% Fluoropolymer Finish (Acrynar), Add	7.48	
For 70% Fluoropolymer Finish (Duramar), Add	22.45	
For Clear Anodized Finish, Add	18.70	
For Color Anodized Finish, Add	26.19	
08 51 13 00-0020 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	547.42	81.69
For Installation In Concrete Or Masonry, Add	37.51	
For 50% Fluoropolymer Finish (Acrynar), Add	8.23	
For 70% Fluoropolymer Finish (Duramar), Add	24.68	
For Clear Anodized Finish, Add	20.56	
For Color Anodized Finish, Add	28.79	
08 51 13 00-0021 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	590.95	86.23
For Installation In Concrete Or Masonry, Add	39.92	
For 50% Fluoropolymer Finish (Acrynar), Add	8.94	
For 70% Fluoropolymer Finish (Duramar), Add	26.83	
For Clear Anodized Finish, Add	22.36	
For Color Anodized Finish, Add	31.31	
08 51 13 00-0022 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	698.02	90.77
For Installation In Concrete Or Masonry, Add	43.92	
For 50% Fluoropolymer Finish (Acrynar), Add	10.93	
For 70% Fluoropolymer Finish (Duramar), Add	32.80	
For Clear Anodized Finish, Add	27.34	
For Color Anodized Finish, Add	38.27	
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	22.76	2.72
For Installation In Concrete Or Masonry, Add	1.36	
For 50% Fluoropolymer Finish (Acrynar), Add	0.36	
For 70% Fluoropolymer Finish (Duramar), Add	1.09	
For Clear Anodized Finish, Add	0.91	
For Color Anodized Finish, Add	1.28	
08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)		
08 51 13 00-0025 EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	489.11	72.61
For Installation In Concrete Or Masonry, Add	33.41	
For 50% Fluoropolymer Finish (Acrynar), Add	7.36	
For 70% Fluoropolymer Finish (Duramar), Add	22.09	
For Clear Anodized Finish, Add	18.40	
For Color Anodized Finish, Add	25.77	
08 51 13 00-0026 EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	559.03	77.15
For Installation In Concrete Or Masonry, Add	36.48	
For 50% Fluoropolymer Finish (Acrynar), Add	8.61	
For 70% Fluoropolymer Finish (Duramar), Add	25.83	
For Clear Anodized Finish, Add	21.52	
For Color Anodized Finish, Add	30.13	
08 51 13 00-0027 EA >10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	604.97	81.69
For Installation In Concrete Or Masonry, Add	38.95	
For 50% Fluoropolymer Finish (Acrynar), Add	9.38	
For 70% Fluoropolymer Finish (Duramar), Add	28.13	
For Clear Anodized Finish, Add	23.44	
For Color Anodized Finish, Add	32.82	
08 51 13 00-0028 EA >15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	648.50	86.23
For Installation In Concrete Or Masonry, Add	41.36	
For 50% Fluoropolymer Finish (Acrynar), Add	10.10	
For 70% Fluoropolymer Finish (Duramar), Add	30.29	
For Clear Anodized Finish, Add	25.24	
For Color Anodized Finish, Add	35.33	
08 51 13 00-0029 EA >20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	747.18	90.77
For Installation In Concrete Or Masonry, Add	45.15	
For 50% Fluoropolymer Finish (Acrynar), Add	11.92	
For 70% Fluoropolymer Finish (Duramar), Add	35.75	
For Clear Anodized Finish, Add	29.80	
For Color Anodized Finish, Add	41.71	
08 51 13 00-0030 SF >30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	24.41	2.72
For Installation In Concrete Or Masonry, Add	1.40	
For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
For 70% Fluoropolymer Finish (Duramar), Add	1.19	
For Clear Anodized Finish, Add	0.99	
For Color Anodized Finish, Add	1.39	
08 51 13 00-0031 Double Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0033	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	332.04	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	29.48	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.22	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	12.66	
			<i>For Clear Anodized Finish, Add</i>	10.55	
			<i>For Color Anodized Finish, Add</i>	14.77	
08 51 13 00-0034	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	365.99	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	31.65	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.75	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	14.24	
			<i>For Clear Anodized Finish, Add</i>	11.87	
			<i>For Color Anodized Finish, Add</i>	16.62	
08 51 13 00-0035	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	395.14	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	33.71	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.18	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	15.54	
			<i>For Clear Anodized Finish, Add</i>	12.95	
			<i>For Color Anodized Finish, Add</i>	18.13	
08 51 13 00-0036	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	425.48	86.23
			<i>For Installation In Concrete Or Masonry, Add</i>	35.79	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.64	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	16.91	
			<i>For Clear Anodized Finish, Add</i>	14.09	
			<i>For Color Anodized Finish, Add</i>	19.72	
08 51 13 00-0037	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	491.80	90.77
			<i>For Installation In Concrete Or Masonry, Add</i>	38.77	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.81	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	20.43	
			<i>For Clear Anodized Finish, Add</i>	17.03	
			<i>For Color Anodized Finish, Add</i>	23.84	
08 51 13 00-0038	SF		>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	15.89	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.19	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.23	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.68	
			<i>For Clear Anodized Finish, Add</i>	0.57	
			<i>For Color Anodized Finish, Add</i>	0.79	
08 51 13 00-0039			4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)		
08 51 13 00-0040	EA		Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	400.39	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	31.19	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.59	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	16.76	
			<i>For Clear Anodized Finish, Add</i>	13.97	
			<i>For Color Anodized Finish, Add</i>	19.56	
08 51 13 00-0041	EA		>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	460.71	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	34.02	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.64	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.93	
			<i>For Clear Anodized Finish, Add</i>	16.61	
			<i>For Color Anodized Finish, Add</i>	23.25	
08 51 13 00-0042	EA		>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	510.25	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	36.58	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.48	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.45	
			<i>For Clear Anodized Finish, Add</i>	18.70	
			<i>For Color Anodized Finish, Add</i>	26.19	
08 51 13 00-0043	EA		>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	565.77	86.23
			<i>For Installation In Concrete Or Masonry, Add</i>	39.30	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.44	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.32	
			<i>For Clear Anodized Finish, Add</i>	21.10	
			<i>For Color Anodized Finish, Add</i>	29.54	
08 51 13 00-0044	EA		>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	665.65	90.77
			<i>For Installation In Concrete Or Masonry, Add</i>	43.12	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.29	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	30.86	
			<i>For Clear Anodized Finish, Add</i>	25.72	
			<i>For Color Anodized Finish, Add</i>	36.01	
08 51 13 00-0045	SF		>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	21.69	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.34	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.34	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.03	
			<i>For Clear Anodized Finish, Add</i>	0.86	
			<i>For Color Anodized Finish, Add</i>	1.20	
08 51 13 00-0046			4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0047 EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	495.11	72.61
For Installation In Concrete Or Masonry, Add	33.56	
For 50% Fluoropolymer Finish (Acrynar), Add	7.48	
For 70% Fluoropolymer Finish (Duranar), Add	22.45	
For Clear Anodized Finish, Add	18.70	
For Color Anodized Finish, Add	26.19	
08 51 13 00-0048 EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	565.03	77.15
For Installation In Concrete Or Masonry, Add	36.63	
For 50% Fluoropolymer Finish (Acrynar), Add	8.73	
For 70% Fluoropolymer Finish (Duranar), Add	26.19	
For Clear Anodized Finish, Add	21.82	
For Color Anodized Finish, Add	30.55	
08 51 13 00-0049 EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	624.15	81.69
For Installation In Concrete Or Masonry, Add	39.43	
For 50% Fluoropolymer Finish (Acrynar), Add	9.76	
For 70% Fluoropolymer Finish (Duranar), Add	29.28	
For Clear Anodized Finish, Add	24.40	
For Color Anodized Finish, Add	34.16	
08 51 13 00-0050 EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	682.07	86.23
For Installation In Concrete Or Masonry, Add	42.20	
For 50% Fluoropolymer Finish (Acrynar), Add	10.77	
For 70% Fluoropolymer Finish (Duranar), Add	32.30	
For Clear Anodized Finish, Add	26.92	
For Color Anodized Finish, Add	37.68	
08 51 13 00-0051 EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	817.92	90.77
For Installation In Concrete Or Masonry, Add	46.92	
For 50% Fluoropolymer Finish (Acrynar), Add	13.33	
For 70% Fluoropolymer Finish (Duranar), Add	40.00	
For Clear Anodized Finish, Add	33.33	
For Color Anodized Finish, Add	46.66	
08 51 13 00-0052 SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	26.76	2.72
For Installation In Concrete Or Masonry, Add	1.46	
For 50% Fluoropolymer Finish (Acrynar), Add	0.44	
For 70% Fluoropolymer Finish (Duranar), Add	1.33	
For Clear Anodized Finish, Add	1.11	
For Color Anodized Finish, Add	1.56	
08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)		
08 51 13 00-0054 EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	755.67	77.15
For Installation In Concrete Or Masonry, Add	41.40	
For 50% Fluoropolymer Finish (Acrynar), Add	12.54	
For 70% Fluoropolymer Finish (Duranar), Add	37.62	
For Clear Anodized Finish, Add	31.35	
For Color Anodized Finish, Add	43.90	
08 51 13 00-0055 EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	826.78	81.69
For Installation In Concrete Or Masonry, Add	44.50	
For 50% Fluoropolymer Finish (Acrynar), Add	13.81	
For 70% Fluoropolymer Finish (Duranar), Add	41.44	
For Clear Anodized Finish, Add	34.53	
For Color Anodized Finish, Add	48.34	
08 51 13 00-0056 EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	909.88	86.23
For Installation In Concrete Or Masonry, Add	47.90	
For 50% Fluoropolymer Finish (Acrynar), Add	15.32	
For 70% Fluoropolymer Finish (Duranar), Add	45.97	
For Clear Anodized Finish, Add	38.31	
For Color Anodized Finish, Add	53.63	
08 51 13 00-0057 EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,048.13	90.77
For Installation In Concrete Or Masonry, Add	52.68	
For 50% Fluoropolymer Finish (Acrynar), Add	17.94	
For 70% Fluoropolymer Finish (Duranar), Add	53.81	
For Clear Anodized Finish, Add	44.84	
For Color Anodized Finish, Add	62.78	
08 51 13 00-0058 SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	34.40	2.72
For Installation In Concrete Or Masonry, Add	1.65	
For 50% Fluoropolymer Finish (Acrynar), Add	0.60	
For 70% Fluoropolymer Finish (Duranar), Add	1.79	
For Clear Anodized Finish, Add	1.49	
For Color Anodized Finish, Add	2.09	
08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0031)		
08 51 13 00-0060 EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,026.64	77.15
For Installation In Concrete Or Masonry, Add	48.17	
For 50% Fluoropolymer Finish (Acrynar), Add	17.96	
For 70% Fluoropolymer Finish (Duranar), Add	53.88	
For Clear Anodized Finish, Add	44.90	
For Color Anodized Finish, Add	62.86	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0061	EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,106.15	81.69
	<i>For Installation In Concrete Or Masonry, Add</i>	51.48	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.40	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	58.20	
	<i>For Clear Anodized Finish, Add</i>	48.50	
	<i>For Color Anodized Finish, Add</i>	67.90	
08 51 13 00-0062	EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,196.44	86.23
	<i>For Installation In Concrete Or Masonry, Add</i>	55.06	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.05	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	63.16	
	<i>For Clear Anodized Finish, Add</i>	52.64	
	<i>For Color Anodized Finish, Add</i>	73.69	
08 51 13 00-0063	EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,351.48	90.77
	<i>For Installation In Concrete Or Masonry, Add</i>	60.26	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	24.00	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	72.01	
	<i>For Clear Anodized Finish, Add</i>	60.01	
	<i>For Color Anodized Finish, Add</i>	84.01	
08 51 13 00-0064	SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	44.59	2.72
	<i>For Installation In Concrete Or Masonry, Add</i>	1.91	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.80	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	2.40	
	<i>For Clear Anodized Finish, Add</i>	2.00	
	<i>For Color Anodized Finish, Add</i>	2.80	
08 51 13 00-0065	Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0066	One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>		
08 51 13 00-0067	2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <small>(08 51 13 00-0066)</small>		
08 51 13 00-0068	EA Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	305.67	72.61
	<i>For Installation In Concrete Or Masonry, Add</i>	28.82	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.69	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	11.08	
	<i>For Clear Anodized Finish, Add</i>	9.23	
	<i>For Color Anodized Finish, Add</i>	12.93	
08 51 13 00-0069	EA >6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	342.01	77.15
	<i>For Installation In Concrete Or Masonry, Add</i>	31.05	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.27	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	12.81	
	<i>For Clear Anodized Finish, Add</i>	10.67	
	<i>For Color Anodized Finish, Add</i>	14.94	
08 51 13 00-0070	EA >10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	369.96	81.69
	<i>For Installation In Concrete Or Masonry, Add</i>	33.08	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.68	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	14.03	
	<i>For Clear Anodized Finish, Add</i>	11.69	
	<i>For Color Anodized Finish, Add</i>	16.37	
08 51 13 00-0071	EA >15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	399.11	86.23
	<i>For Installation In Concrete Or Masonry, Add</i>	35.13	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.11	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	15.32	
	<i>For Clear Anodized Finish, Add</i>	12.77	
	<i>For Color Anodized Finish, Add</i>	17.88	
08 51 13 00-0072	EA >20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	455.83	90.77
	<i>For Installation In Concrete Or Masonry, Add</i>	37.87	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.09	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	18.27	
	<i>For Clear Anodized Finish, Add</i>	15.23	
	<i>For Color Anodized Finish, Add</i>	21.32	
08 51 13 00-0073	SF >30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	14.70	2.72
	<i>For Installation In Concrete Or Masonry, Add</i>	1.16	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.20	
	<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	0.61	
	<i>For Clear Anodized Finish, Add</i>	0.51	
	<i>For Color Anodized Finish, Add</i>	0.71	
08 51 13 00-0074	3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <small>(08 51 13 00-0066)</small>		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	457.94 32.63 6.74 20.22 16.85 23.58	72.61
08 51	13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	513.47 35.34 7.70 23.09 19.24 26.94	77.15
08 51	13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	558.21 37.78 8.44 25.32 21.10 29.54	81.69
08 51	13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	601.74 40.19 9.16 27.48 22.90 32.06	86.23
08 51	13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	693.23 43.80 10.84 32.52 27.10 37.94	90.77
08 51	13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	22.61 1.36 0.36 1.08 0.90 1.26	2.72
08 51	13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0085)</small>		
08 51	13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <small>(08 51 13 00-0081)</small>		
08 51	13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	336.84 29.60 4.32 12.95 10.79 15.11	72.61
08 51	13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	382.78 32.07 5.08 15.25 12.71 17.79	77.15
08 51	13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	414.33 34.19 5.56 16.69 13.91 19.47	81.69
08 51	13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	441.07 36.18 5.95 17.84 14.87 20.81	86.23
08 51	13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	504.98 39.10 7.07 21.22 17.69 24.76	90.77

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	16.33	2.72	
		<i>For Installation In Concrete Or Masonry, Add</i>	1.20		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.24		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.71		
		<i>For Clear Anodized Finish, Add</i>	0.59		
		<i>For Color Anodized Finish, Add</i>	0.83		
08 51 13 00-0089		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)			
08 51 13 00-0090		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)			
08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	791.26	72.61	
		<i>For Installation In Concrete Or Masonry, Add</i>	40.96		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.40		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	40.21		
		<i>For Clear Anodized Finish, Add</i>	33.51		
		<i>For Color Anodized Finish, Add</i>	46.92		
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	910.89	83.96	
		<i>For Installation In Concrete Or Masonry, Add</i>	47.26		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.42		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	46.26		
		<i>For Clear Anodized Finish, Add</i>	38.55		
		<i>For Color Anodized Finish, Add</i>	53.97		
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	983.20	88.50	
		<i>For Installation In Concrete Or Masonry, Add</i>	50.39		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.71		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	50.14		
		<i>For Clear Anodized Finish, Add</i>	41.79		
		<i>For Color Anodized Finish, Add</i>	58.50		
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,184.36	99.84	
		<i>For Installation In Concrete Or Masonry, Add</i>	58.73		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	20.36		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	61.08		
		<i>For Clear Anodized Finish, Add</i>	50.90		
		<i>For Color Anodized Finish, Add</i>	71.26		
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,366.52	113.46	
		<i>For Installation In Concrete Or Masonry, Add</i>	67.26		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	23.55		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	70.65		
		<i>For Clear Anodized Finish, Add</i>	58.87		
		<i>For Color Anodized Finish, Add</i>	82.42		
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	24.16	2.72	
		<i>For Installation In Concrete Or Masonry, Add</i>	1.40		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.39		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.18		
		<i>For Clear Anodized Finish, Add</i>	0.98		
		<i>For Color Anodized Finish, Add</i>	1.37		
08 51 13 00-0097		Fixed Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0098		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)			
08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	249.31	72.61	
		<i>For Installation In Concrete Or Masonry, Add</i>	27.41		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.57		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	7.70		
		<i>For Clear Anodized Finish, Add</i>	6.41		
		<i>For Color Anodized Finish, Add</i>	8.98		
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	280.86	77.15	
		<i>For Installation In Concrete Or Masonry, Add</i>	29.52		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.05		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	9.14		
		<i>For Clear Anodized Finish, Add</i>	7.61		
		<i>For Color Anodized Finish, Add</i>	10.66		
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	296.83	81.69	
		<i>For Installation In Concrete Or Masonry, Add</i>	31.25		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.21		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	9.64		
		<i>For Clear Anodized Finish, Add</i>	8.03		
		<i>For Color Anodized Finish, Add</i>	11.25		
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	312.78	86.23	
		<i>For Installation In Concrete Or Masonry, Add</i>	32.97		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.38		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	10.14		
		<i>For Clear Anodized Finish, Add</i>	8.45		
		<i>For Color Anodized Finish, Add</i>	11.83		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0103 EA >20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	398.27	90.77
For Installation In Concrete Or Masonry, Add	36.43	
For 50% Fluoropolymer Finish (Acrynar), Add	4.94	
For 70% Fluoropolymer Finish (Duranar), Add	14.82	
For Clear Anodized Finish, Add	12.35	
For Color Anodized Finish, Add	17.29	
08 51 13 00-0104 SF >30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	12.78	2.72
For Installation In Concrete Or Masonry, Add	1.11	
For 50% Fluoropolymer Finish (Acrynar), Add	0.16	
For 70% Fluoropolymer Finish (Duranar), Add	0.49	
For Clear Anodized Finish, Add	0.41	
For Color Anodized Finish, Add	0.58	
08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)		
08 51 13 00-0106 EA Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	302.07	72.61
For Installation In Concrete Or Masonry, Add	28.73	
For 50% Fluoropolymer Finish (Acrynar), Add	3.62	
For 70% Fluoropolymer Finish (Duranar), Add	10.86	
For Clear Anodized Finish, Add	9.05	
For Color Anodized Finish, Add	12.67	
08 51 13 00-0107 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	342.01	77.15
For Installation In Concrete Or Masonry, Add	31.05	
For 50% Fluoropolymer Finish (Acrynar), Add	4.27	
For 70% Fluoropolymer Finish (Duranar), Add	12.81	
For Clear Anodized Finish, Add	10.67	
For Color Anodized Finish, Add	14.94	
08 51 13 00-0108 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	367.57	81.69
For Installation In Concrete Or Masonry, Add	33.02	
For 50% Fluoropolymer Finish (Acrynar), Add	4.63	
For 70% Fluoropolymer Finish (Duranar), Add	13.88	
For Clear Anodized Finish, Add	11.57	
For Color Anodized Finish, Add	16.20	
08 51 13 00-0109 EA >15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	394.31	86.23
For Installation In Concrete Or Masonry, Add	35.01	
For 50% Fluoropolymer Finish (Acrynar), Add	5.01	
For 70% Fluoropolymer Finish (Duranar), Add	15.04	
For Clear Anodized Finish, Add	12.53	
For Color Anodized Finish, Add	17.54	
08 51 13 00-0110 EA >20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	504.98	90.77
For Installation In Concrete Or Masonry, Add	39.10	
For 50% Fluoropolymer Finish (Acrynar), Add	7.07	
For 70% Fluoropolymer Finish (Duranar), Add	21.22	
For Clear Anodized Finish, Add	17.69	
For Color Anodized Finish, Add	24.76	
08 51 13 00-0111 SF >30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	16.33	2.72
For Installation In Concrete Or Masonry, Add	1.20	
For 50% Fluoropolymer Finish (Acrynar), Add	0.24	
For 70% Fluoropolymer Finish (Duranar), Add	0.71	
For Clear Anodized Finish, Add	0.59	
For Color Anodized Finish, Add	0.83	
08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) (08 51 13 00-0097)		
08 51 13 00-0113 EA Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)	266.10	72.61
For Installation In Concrete Or Masonry, Add	27.83	
For 50% Fluoropolymer Finish (Acrynar), Add	2.90	
For 70% Fluoropolymer Finish (Duranar), Add	8.70	
For Clear Anodized Finish, Add	7.25	
For Color Anodized Finish, Add	10.16	
08 51 13 00-0114 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	306.04	77.15
For Installation In Concrete Or Masonry, Add	30.15	
For 50% Fluoropolymer Finish (Acrynar), Add	3.55	
For 70% Fluoropolymer Finish (Duranar), Add	10.65	
For Clear Anodized Finish, Add	8.87	
For Color Anodized Finish, Add	12.42	
08 51 13 00-0115 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	329.20	81.69
For Installation In Concrete Or Masonry, Add	32.06	
For 50% Fluoropolymer Finish (Acrynar), Add	3.86	
For 70% Fluoropolymer Finish (Duranar), Add	11.58	
For Clear Anodized Finish, Add	9.65	
For Color Anodized Finish, Add	13.51	
08 51 13 00-0116 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	353.54	86.23
For Installation In Concrete Or Masonry, Add	33.99	
For 50% Fluoropolymer Finish (Acrynar), Add	4.20	
For 70% Fluoropolymer Finish (Duranar), Add	12.59	
For Clear Anodized Finish, Add	10.49	
For Color Anodized Finish, Add	14.69	
08 51 13 00-0117 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	458.22	90.77
For Installation In Concrete Or Masonry, Add	37.93	
For 50% Fluoropolymer Finish (Acrynar), Add	6.14	
For 70% Fluoropolymer Finish (Duranar), Add	18.42	
For Clear Anodized Finish, Add	15.35	
For Color Anodized Finish, Add	21.49	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0118	SF		>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	14.77	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.16	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.20	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.61	
			<i>For Clear Anodized Finish, Add</i>	0.51	
			<i>For Color Anodized Finish, Add</i>	0.72	
08 51 13 00-0119			4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0097)		
08 51 13 00-0120	EA		>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	264.90	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	27.80	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.88	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	8.63	
			<i>For Clear Anodized Finish, Add</i>	7.19	
			<i>For Color Anodized Finish, Add</i>	10.07	
08 51 13 00-0121	EA		>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	301.25	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	30.03	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.45	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	10.36	
			<i>For Clear Anodized Finish, Add</i>	8.63	
			<i>For Color Anodized Finish, Add</i>	12.09	
08 51 13 00-0122	EA		>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	324.40	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	31.94	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.76	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	11.29	
			<i>For Clear Anodized Finish, Add</i>	9.41	
			<i>For Color Anodized Finish, Add</i>	13.18	
08 51 13 00-0123	EA		>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	348.75	86.23
			<i>For Installation In Concrete Or Masonry, Add</i>	33.87	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.10	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	12.30	
			<i>For Clear Anodized Finish, Add</i>	10.25	
			<i>For Color Anodized Finish, Add</i>	14.35	
08 51 13 00-0124	EA		>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	453.43	90.77
			<i>For Installation In Concrete Or Masonry, Add</i>	37.81	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.04	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	18.13	
			<i>For Clear Anodized Finish, Add</i>	15.11	
			<i>For Color Anodized Finish, Add</i>	21.15	
08 51 13 00-0125	SF		>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	14.61	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.16	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.20	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.60	
			<i>For Clear Anodized Finish, Add</i>	0.50	
			<i>For Color Anodized Finish, Add</i>	0.70	
08 51 13 00-0126			Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0127			Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0128			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	339.48	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	29.67	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.37	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	13.11	
			<i>For Clear Anodized Finish, Add</i>	10.92	
			<i>For Color Anodized Finish, Add</i>	15.29	
08 51 13 00-0130	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	367.07	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	31.68	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.77	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	14.31	
			<i>For Clear Anodized Finish, Add</i>	11.92	
			<i>For Color Anodized Finish, Add</i>	16.69	
08 51 13 00-0131	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	398.74	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	33.80	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.25	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	15.75	
			<i>For Clear Anodized Finish, Add</i>	13.13	
			<i>For Color Anodized Finish, Add</i>	18.38	
08 51 13 00-0132	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	22.05	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.35	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.35	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.05	
			<i>For Clear Anodized Finish, Add</i>	0.88	
			<i>For Color Anodized Finish, Add</i>	1.23	
08 51 13 00-0133			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	445.48	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	32.32	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.49	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	19.47	
			<i>For Clear Anodized Finish, Add</i>	16.22	
			<i>For Color Anodized Finish, Add</i>	22.71	
08 51	13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	490.58	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	34.77	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.24	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.72	
			<i>For Clear Anodized Finish, Add</i>	18.10	
			<i>For Color Anodized Finish, Add</i>	25.34	
08 51	13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	542.62	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	37.39	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.13	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.39	
			<i>For Clear Anodized Finish, Add</i>	20.32	
			<i>For Color Anodized Finish, Add</i>	28.45	
08 51	13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	31.64	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.59	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.54	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.63	
			<i>For Clear Anodized Finish, Add</i>	1.36	
			<i>For Color Anodized Finish, Add</i>	1.90	
08 51	13 00-0138		3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0127)</small>		
08 51	13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	485.24	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	33.31	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.28	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.85	
			<i>For Clear Anodized Finish, Add</i>	18.21	
			<i>For Color Anodized Finish, Add</i>	25.50	
08 51	13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	536.89	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	35.93	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.17	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.50	
			<i>For Clear Anodized Finish, Add</i>	20.42	
			<i>For Color Anodized Finish, Add</i>	28.58	
08 51	13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	596.58	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	38.74	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.21	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.63	
			<i>For Clear Anodized Finish, Add</i>	23.02	
			<i>For Color Anodized Finish, Add</i>	32.23	
08 51	13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	35.23	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.68	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.61	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.84	
			<i>For Clear Anodized Finish, Add</i>	1.53	
			<i>For Color Anodized Finish, Add</i>	2.15	
08 51	13 00-0143		3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) <small>(08 51 13 00-0127)</small>		
08 51	13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	512.63	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	33.99	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.83	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	23.50	
			<i>For Clear Anodized Finish, Add</i>	19.58	
			<i>For Color Anodized Finish, Add</i>	27.41	
08 51	13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	568.79	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	36.72	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.80	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	26.41	
			<i>For Clear Anodized Finish, Add</i>	22.01	
			<i>For Color Anodized Finish, Add</i>	30.81	
08 51	13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	633.74	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	39.67	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.95	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.85	
			<i>For Clear Anodized Finish, Add</i>	24.88	
			<i>For Color Anodized Finish, Add</i>	34.83	

08 Openings**08 50 Windows**

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	37.72	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.74	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.66	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.99	
			<i>For Clear Anodized Finish, Add</i>	1.66	
			<i>For Color Anodized Finish, Add</i>	2.32	
08 51	13 00-0148		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)		
08 51	13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	509.09	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	33.91	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.76	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	23.28	
			<i>For Clear Anodized Finish, Add</i>	19.40	
			<i>For Color Anodized Finish, Add</i>	27.16	
08 51	13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	564.68	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	36.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.72	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	26.17	
			<i>For Clear Anodized Finish, Add</i>	21.80	
			<i>For Color Anodized Finish, Add</i>	30.53	
08 51	13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	628.95	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	39.55	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.86	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.57	
			<i>For Clear Anodized Finish, Add</i>	24.64	
			<i>For Color Anodized Finish, Add</i>	34.50	
08 51	13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	37.39	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.73	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.66	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.97	
			<i>For Clear Anodized Finish, Add</i>	1.64	
			<i>For Color Anodized Finish, Add</i>	2.30	
08 51	13 00-0153		Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51	13 00-0154		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)		
08 51	13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	455.21	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	32.56	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.68	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	20.05	
			<i>For Clear Anodized Finish, Add</i>	16.71	
			<i>For Color Anodized Finish, Add</i>	23.39	
08 51	13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	501.90	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	35.05	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.47	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	22.40	
			<i>For Clear Anodized Finish, Add</i>	18.67	
			<i>For Color Anodized Finish, Add</i>	26.13	
08 51	13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	555.81	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	37.72	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.39	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.18	
			<i>For Clear Anodized Finish, Add</i>	20.98	
			<i>For Color Anodized Finish, Add</i>	29.38	
08 51	13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	32.48	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.61	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.56	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.68	
			<i>For Clear Anodized Finish, Add</i>	1.40	
			<i>For Color Anodized Finish, Add</i>	1.96	
08 51	13 00-0159		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		
08 51	13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	623.05	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	36.75	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.04	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	30.12	
			<i>For Clear Anodized Finish, Add</i>	25.10	
			<i>For Color Anodized Finish, Add</i>	35.14	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	697.44	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	39.94	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.38	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.13	
			<i>For Clear Anodized Finish, Add</i>	28.44	
			<i>For Color Anodized Finish, Add</i>	39.82	
08 51	13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	783.62	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	43.42	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.95	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	38.85	
			<i>For Clear Anodized Finish, Add</i>	32.37	
			<i>For Color Anodized Finish, Add</i>	45.32	
08 51	13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	47.70	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.99	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.86	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.59	
			<i>For Clear Anodized Finish, Add</i>	2.16	
			<i>For Color Anodized Finish, Add</i>	3.02	
08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0153)</small>					
08 51	13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	658.39	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	37.64	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.75	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	32.24	
			<i>For Clear Anodized Finish, Add</i>	26.87	
			<i>For Color Anodized Finish, Add</i>	37.62	
08 51	13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	738.61	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	40.97	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.20	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	36.60	
			<i>For Clear Anodized Finish, Add</i>	30.50	
			<i>For Color Anodized Finish, Add</i>	42.70	
08 51	13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	831.58	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	44.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.91	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	41.73	
			<i>For Clear Anodized Finish, Add</i>	34.77	
			<i>For Color Anodized Finish, Add</i>	48.68	
08 51	13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	50.82	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	2.07	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.93	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.78	
			<i>For Clear Anodized Finish, Add</i>	2.31	
			<i>For Color Anodized Finish, Add</i>	3.24	
08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) <small>(08 51 13 00-0153)</small>					
08 51	13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	654.86	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	37.55	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.68	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	32.03	
			<i>For Clear Anodized Finish, Add</i>	26.69	
			<i>For Color Anodized Finish, Add</i>	37.37	
08 51	13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	734.49	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	40.87	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.12	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	36.35	
			<i>For Clear Anodized Finish, Add</i>	30.30	
			<i>For Color Anodized Finish, Add</i>	42.41	
08 51	13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	826.78	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	44.50	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.81	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	41.44	
			<i>For Clear Anodized Finish, Add</i>	34.53	
			<i>For Color Anodized Finish, Add</i>	48.34	
08 51	13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	50.58	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	2.06	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.92	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.76	
			<i>For Clear Anodized Finish, Add</i>	2.30	
			<i>For Color Anodized Finish, Add</i>	3.22	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0174		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) <small>(08 51 13 00-0153)</small>			
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	709.63		72.61
		<i>For Installation In Concrete Or Masonry, Add</i>	38.92		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.77		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	35.32		
		<i>For Clear Anodized Finish, Add</i>	29.43		
		<i>For Color Anodized Finish, Add</i>	41.20		
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	798.30		77.15
		<i>For Installation In Concrete Or Masonry, Add</i>	42.46		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.39		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	40.18		
		<i>For Clear Anodized Finish, Add</i>	33.49		
		<i>For Color Anodized Finish, Add</i>	46.88		
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	901.12		81.69
		<i>For Installation In Concrete Or Masonry, Add</i>	46.36		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.30		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	45.90		
		<i>For Clear Anodized Finish, Add</i>	38.25		
		<i>For Color Anodized Finish, Add</i>	53.55		
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	55.50		2.72
		<i>For Installation In Concrete Or Masonry, Add</i>	2.18		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.02		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	3.06		
		<i>For Clear Anodized Finish, Add</i>	2.55		
		<i>For Color Anodized Finish, Add</i>	3.57		
08 51 13 00-0179		Casement Aluminum Windows <small>(08 51 13 00-0001)</small>			
08 51 13 00-0180		Single Vent, Casement Aluminum Windows <small>(08 51 13 00-0179)</small>			
08 51 13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) <small>(08 51 13 00-0180)</small>			
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	382.76		72.61
		<i>For Installation In Concrete Or Masonry, Add</i>	30.75		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.23		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	15.70		
		<i>For Clear Anodized Finish, Add</i>	13.09		
		<i>For Color Anodized Finish, Add</i>	18.32		
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	417.50		77.15
		<i>For Installation In Concrete Or Masonry, Add</i>	32.94		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.78		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	17.33		
		<i>For Clear Anodized Finish, Add</i>	14.45		
		<i>For Color Anodized Finish, Add</i>	20.22		
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	457.49		81.69
		<i>For Installation In Concrete Or Masonry, Add</i>	35.27		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.43		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.28		
		<i>For Clear Anodized Finish, Add</i>	16.07		
		<i>For Color Anodized Finish, Add</i>	22.49		
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	25.97		2.72
		<i>For Installation In Concrete Or Masonry, Add</i>	1.44		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.43		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.29		
		<i>For Clear Anodized Finish, Add</i>	1.07		
		<i>For Color Anodized Finish, Add</i>	1.50		
08 51 13 00-0186		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) <small>(08 51 13 00-0180)</small>			
08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	543.55		72.61
		<i>For Installation In Concrete Or Masonry, Add</i>	34.77		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.45		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.35		
		<i>For Clear Anodized Finish, Add</i>	21.13		
		<i>For Color Anodized Finish, Add</i>	29.58		
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	604.81		77.15
		<i>For Installation In Concrete Or Masonry, Add</i>	37.62		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.52		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.57		
		<i>For Clear Anodized Finish, Add</i>	23.81		
		<i>For Color Anodized Finish, Add</i>	33.34		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0189	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	675.71	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	40.72	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.79	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	32.37	
			<i>For Clear Anodized Finish, Add</i>	26.98	
			<i>For Color Anodized Finish, Add</i>	37.77	
08 51 13 00-0190	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	40.51	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.81	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.72	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.16	
			<i>For Clear Anodized Finish, Add</i>	1.80	
			<i>For Color Anodized Finish, Add</i>	2.52	
08 51 13 00-0191			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51 13 00-0192	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	546.20	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	34.83	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.50	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.51	
			<i>For Clear Anodized Finish, Add</i>	21.26	
			<i>For Color Anodized Finish, Add</i>	29.76	
08 51 13 00-0193	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	607.90	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	37.70	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.59	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.76	
			<i>For Clear Anodized Finish, Add</i>	23.97	
			<i>For Color Anodized Finish, Add</i>	33.55	
08 51 13 00-0194	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	679.31	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	40.81	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.86	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	32.59	
			<i>For Clear Anodized Finish, Add</i>	27.16	
			<i>For Color Anodized Finish, Add</i>	38.02	
08 51 13 00-0195	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	40.75	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.81	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.72	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.17	
			<i>For Clear Anodized Finish, Add</i>	1.81	
			<i>For Color Anodized Finish, Add</i>	2.53	
08 51 13 00-0196			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		
08 51 13 00-0197	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	573.58	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	35.52	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.05	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.15	
			<i>For Clear Anodized Finish, Add</i>	22.63	
			<i>For Color Anodized Finish, Add</i>	31.68	
08 51 13 00-0198	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	639.81	77.15
			<i>For Installation In Concrete Or Masonry, Add</i>	38.50	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.22	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	30.67	
			<i>For Clear Anodized Finish, Add</i>	25.56	
			<i>For Color Anodized Finish, Add</i>	35.79	
08 51 13 00-0199	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	716.48	81.69
			<i>For Installation In Concrete Or Masonry, Add</i>	41.74	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.61	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.82	
			<i>For Clear Anodized Finish, Add</i>	29.02	
			<i>For Color Anodized Finish, Add</i>	40.62	
08 51 13 00-0200	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	43.23	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.88	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.77	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.32	
			<i>For Clear Anodized Finish, Add</i>	1.93	
			<i>For Color Anodized Finish, Add</i>	2.71	
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	431.35	72.61
			<i>For Installation In Concrete Or Masonry, Add</i>	31.96	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.21	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	18.62	
			<i>For Clear Anodized Finish, Add</i>	15.52	
			<i>For Color Anodized Finish, Add</i>	21.72	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0204 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	474.11	77.15
For Installation In Concrete Or Masonry, Add	34.36	
For 50% Fluoropolymer Finish (Acrynar), Add	6.91	
For 70% Fluoropolymer Finish (Durandar), Add	20.73	
For Clear Anodized Finish, Add	17.28	
For Color Anodized Finish, Add	24.19	
08 51 13 00-0205 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	523.44	81.69
For Installation In Concrete Or Masonry, Add	36.91	
For 50% Fluoropolymer Finish (Acrynar), Add	7.75	
For 70% Fluoropolymer Finish (Durandar), Add	23.24	
For Clear Anodized Finish, Add	19.36	
For Color Anodized Finish, Add	27.11	
08 51 13 00-0206 SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	30.35	2.72
For Installation In Concrete Or Masonry, Add	1.55	
For 50% Fluoropolymer Finish (Acrynar), Add	0.52	
For 70% Fluoropolymer Finish (Durandar), Add	1.55	
For Clear Anodized Finish, Add	1.29	
For Color Anodized Finish, Add	1.81	
08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	592.13	72.61
For Installation In Concrete Or Masonry, Add	35.98	
For 50% Fluoropolymer Finish (Acrynar), Add	9.42	
For 70% Fluoropolymer Finish (Durandar), Add	28.27	
For Clear Anodized Finish, Add	23.56	
For Color Anodized Finish, Add	32.98	
08 51 13 00-0209 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	661.41	77.15
For Installation In Concrete Or Masonry, Add	39.04	
For 50% Fluoropolymer Finish (Acrynar), Add	10.66	
For 70% Fluoropolymer Finish (Durandar), Add	31.97	
For Clear Anodized Finish, Add	26.64	
For Color Anodized Finish, Add	37.30	
08 51 13 00-0210 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	741.66	81.69
For Installation In Concrete Or Masonry, Add	42.37	
For 50% Fluoropolymer Finish (Acrynar), Add	12.11	
For 70% Fluoropolymer Finish (Durandar), Add	36.33	
For Clear Anodized Finish, Add	30.28	
For Color Anodized Finish, Add	42.39	
08 51 13 00-0211 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	44.91	2.72
For Installation In Concrete Or Masonry, Add	1.92	
For 50% Fluoropolymer Finish (Acrynar), Add	0.81	
For 70% Fluoropolymer Finish (Durandar), Add	2.42	
For Clear Anodized Finish, Add	2.02	
For Color Anodized Finish, Add	2.83	
08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	651.33	72.61
For Installation In Concrete Or Masonry, Add	37.46	
For 50% Fluoropolymer Finish (Acrynar), Add	10.61	
For 70% Fluoropolymer Finish (Durandar), Add	31.82	
For Clear Anodized Finish, Add	26.52	
For Color Anodized Finish, Add	37.12	
08 51 13 00-0214 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	730.38	77.15
For Installation In Concrete Or Masonry, Add	40.76	
For 50% Fluoropolymer Finish (Acrynar), Add	12.04	
For 70% Fluoropolymer Finish (Durandar), Add	36.11	
For Clear Anodized Finish, Add	30.09	
For Color Anodized Finish, Add	42.13	
08 51 13 00-0215 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	821.99	81.69
For Installation In Concrete Or Masonry, Add	44.38	
For 50% Fluoropolymer Finish (Acrynar), Add	13.72	
For 70% Fluoropolymer Finish (Durandar), Add	41.15	
For Clear Anodized Finish, Add	34.29	
For Color Anodized Finish, Add	48.01	
08 51 13 00-0216 SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	50.26	2.72
For Installation In Concrete Or Masonry, Add	2.05	
For 50% Fluoropolymer Finish (Acrynar), Add	0.91	
For 70% Fluoropolymer Finish (Durandar), Add	2.74	
For Clear Anodized Finish, Add	2.29	
For Color Anodized Finish, Add	3.20	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) <small>(08 51 13 00-0201)</small>		
08 51 13 00-0218 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	705.21	72.61
For Installation In Concrete Or Masonry, Add	38.81	
For 50% Fluoropolymer Finish (Acrynar), Add	11.68	
For 70% Fluoropolymer Finish (Duranar), Add	35.05	
For Clear Anodized Finish, Add	29.21	
For Color Anodized Finish, Add	40.89	
08 51 13 00-0219 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	793.16	77.15
For Installation In Concrete Or Masonry, Add	42.33	
For 50% Fluoropolymer Finish (Acrynar), Add	13.29	
For 70% Fluoropolymer Finish (Duranar), Add	39.87	
For Clear Anodized Finish, Add	33.23	
For Color Anodized Finish, Add	46.52	
08 51 13 00-0220 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	895.13	81.69
For Installation In Concrete Or Masonry, Add	46.21	
For 50% Fluoropolymer Finish (Acrynar), Add	15.18	
For 70% Fluoropolymer Finish (Duranar), Add	45.54	
For Clear Anodized Finish, Add	37.95	
For Color Anodized Finish, Add	53.13	
08 51 13 00-0221 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	55.14	2.72
For Installation In Concrete Or Masonry, Add	2.17	
For 50% Fluoropolymer Finish (Acrynar), Add	1.01	
For 70% Fluoropolymer Finish (Duranar), Add	3.04	
For Clear Anodized Finish, Add	2.53	
For Color Anodized Finish, Add	3.54	
08 51 13 00-0222 Aluminum Window Accessories <small>(08 51 13)</small>		
08 51 13 00-0223 Aluminum Window Mullions <small>(08 51 13 00-0222)</small>		
08 51 13 00-0224 LF Integral Mullions For Aluminum Windows	13.93	3.40
For 50% Fluoropolymer Finish (Acrynar), Add	0.15	
For 70% Fluoropolymer Finish (Duranar), Add	0.46	
For Clear Anodized Finish, Add	0.38	
For Color Anodized Finish, Add	0.53	
08 51 13 00-0225 Aluminum Window Panning <small>(08 51 13 00-0222)</small>		
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226 EA Up To 6 SF Window, Aluminum Window Panning	137.83	28.42
For 50% Fluoropolymer Finish (Acrynar), Add	1.81	
For 70% Fluoropolymer Finish (Duranar), Add	5.43	
For Clear Anodized Finish, Add	4.52	
For Color Anodized Finish, Add	6.33	
08 51 13 00-0227 EA >6 To 10 SF Window, Aluminum Window Panning	195.56	47.36
For 50% Fluoropolymer Finish (Acrynar), Add	2.33	
For 70% Fluoropolymer Finish (Duranar), Add	7.00	
For Clear Anodized Finish, Add	5.83	
For Color Anodized Finish, Add	8.16	
08 51 13 00-0228 EA >10 To 15 SF Window, Aluminum Window Panning	245.94	71.04
For 50% Fluoropolymer Finish (Acrynar), Add	2.55	
For 70% Fluoropolymer Finish (Duranar), Add	7.65	
For Clear Anodized Finish, Add	6.38	
For Color Anodized Finish, Add	8.93	
08 51 13 00-0229 EA >15 To 20 SF Window, Aluminum Window Panning	298.48	94.73
For 50% Fluoropolymer Finish (Acrynar), Add	2.81	
For 70% Fluoropolymer Finish (Duranar), Add	8.44	
For Clear Anodized Finish, Add	7.03	
For Color Anodized Finish, Add	9.84	
08 51 13 00-0230 EA >20 To 30 SF Window, Aluminum Window Panning	402.48	142.09
For 50% Fluoropolymer Finish (Acrynar), Add	3.31	
For 70% Fluoropolymer Finish (Duranar), Add	9.94	
For Clear Anodized Finish, Add	8.28	
For Color Anodized Finish, Add	11.60	
08 51 13 00-0231 SF >30 SF Window, Aluminum Window Panning	15.05	5.92
For 50% Fluoropolymer Finish (Acrynar), Add	0.10	
For 70% Fluoropolymer Finish (Duranar), Add	0.31	
For Clear Anodized Finish, Add	0.26	
For Color Anodized Finish, Add	0.36	
08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers <small>(08 51 13 00-0222)</small>		
08 51 13 00-0233 SF Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	5.03	3.40
For 50% Fluoropolymer Finish (Acrynar), Add	0.01	
For 70% Fluoropolymer Finish (Duranar), Add	0.03	
For Clear Anodized Finish, Add	0.02	
For Color Anodized Finish, Add	0.03	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0234	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	6.45	3.40
			For 50% Fluoropolymer Finish (Acrynar), Add	0.04	
			For 70% Fluoropolymer Finish (Durandar), Add	0.11	
			For Clear Anodized Finish, Add	0.10	
			For Color Anodized Finish, Add	0.13	
08 51 13 00-0235	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	14.07	3.40
			For 50% Fluoropolymer Finish (Acrynar), Add	0.05	
			For 70% Fluoropolymer Finish (Durandar), Add	0.16	
			For Clear Anodized Finish, Add	0.14	
			For Color Anodized Finish, Add	0.19	
08 51 13 00-0236	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	16.68	3.40
			For 50% Fluoropolymer Finish (Acrynar), Add	0.08	
			For 70% Fluoropolymer Finish (Durandar), Add	0.23	
			For Clear Anodized Finish, Add	0.19	
			For Color Anodized Finish, Add	0.27	
08 51 13 00-0237			Other Aluminum Window Accessories (08 51 13 00-0222)		
08 51 13 00-0238	EA		Roto Operator For Casement Aluminum Windows	101.23	15.12
08 51 13 00-0239	EA		Head And Sill Automatic Locks For Hung Aluminum Windows.....	53.27	15.12
08 51 13 00-0240			Aluminum Window Insect Screens (08 51 13 00-0222)		
			Note: Includes aluminum frames.		
08 51 13 00-0241	SF		<10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....	4.53	1.14
08 51 13 00-0242	SF		>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....	3.13	0.91
08 51 13 00-0243	SF		Repair Screen Window	3.73	
08 51 19			Stainless-Steel Windows (08 51)		
			See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001			Stainless Steel Windows Types (08 51 19)		
08 51 19 00-0002	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	65.00	4.54
			For Heavy Commercial Grade (HC-40), Add	26.98	
			For Non Stock Custom Sizes, Add	5.74	
			For Installation In Concrete Or Masonry, Add	2.95	
08 51 19 00-0003	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed.....	57.57	4.54
			For Heavy Commercial Grade (HC-40), Add	23.64	
			For Non Stock Custom Sizes, Add	5.00	
			For Installation In Concrete Or Masonry, Add	2.76	
08 51 19 00-0004	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed	41.42	4.54
			For Heavy Commercial Grade (HC-40), Add	16.37	
			For Non Stock Custom Sizes, Add	3.39	
			For Installation In Concrete Or Masonry, Add	2.36	
08 51 19 00-0005	SF		Stainless Steel Window, Fixed Sash.....	46.10	4.54
			For Heavy Commercial Grade (HC-40), Add	18.48	
			For Non Stock Custom Sizes, Add	3.85	
			For Installation In Concrete Or Masonry, Add	2.48	
08 51 19 00-0006	SF		Stainless Steel Window With Horizontal Pivot Sash	79.48	4.54
			For Heavy Commercial Grade (HC-40), Add	33.50	
			For Non Stock Custom Sizes, Add	7.19	
			For Installation In Concrete Or Masonry, Add	3.31	
08 51 19 00-0007	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel.....	83.26	4.54
			For Heavy Commercial Grade (HC-40), Add	35.20	
			For Non Stock Custom Sizes, Add	7.57	
			For Installation In Concrete Or Masonry, Add	3.40	
08 51 19 00-0008	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	92.24	4.54
			For Heavy Commercial Grade (HC-40), Add	39.24	
			For Non Stock Custom Sizes, Add	8.47	
			For Installation In Concrete Or Masonry, Add	3.63	
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash	101.19	4.54
			For Heavy Commercial Grade (HC-40), Add	43.27	
			For Non Stock Custom Sizes, Add	9.36	
			For Installation In Concrete Or Masonry, Add	3.85	
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash.....	70.70	4.54
			For Heavy Commercial Grade (HC-40), Add	29.55	
			For Non Stock Custom Sizes, Add	6.31	
			For Installation In Concrete Or Masonry, Add	3.09	
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash	58.58	4.54
			For Heavy Commercial Grade (HC-40), Add	24.09	
			For Non Stock Custom Sizes, Add	5.10	
			For Installation In Concrete Or Masonry, Add	2.79	
08 51 19 00-0012	SF		Sliding Stainless Steel Window.....	104.48	4.54
			For Heavy Commercial Grade (HC-40), Add	44.75	
			For Non Stock Custom Sizes, Add	9.69	
			For Installation In Concrete Or Masonry, Add	3.94	
08 51 23			Steel Windows (08 51)		
			Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001			Steel Windows (08 51 23)		
08 51 23 00-0002			Industrial (08 51 23 00-0001)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0003 SF Industrial Steel Window With Horizontal Pivot Sash.....	50.09	4.54
For Heavy Commercial Grade (HC-40), Add	20.27	
For Non Stock Custom Sizes, Add	4.25	
For Double Glazing Sash, Add	25.97	
For Bonderized Finish, Add	16.16	
For Installation In Concrete Or Masonry, Add	2.58	
08 51 23 00-0004 SF Industrial Steel Window, Fixed Sash.....	44.64	4.54
For Heavy Commercial Grade (HC-40), Add	17.82	
For Non Stock Custom Sizes, Add	3.71	
For Double Glazing Sash, Add	22.70	
For Bonderized Finish, Add	14.09	
For Installation In Concrete Or Masonry, Add	2.44	
08 51 23 00-0005 SF Industrial Steel Window, Operable Security Sash.....	72.45	4.54
For Heavy Commercial Grade (HC-40), Add	30.33	
For Non Stock Custom Sizes, Add	6.49	
For Double Glazing Sash, Add	39.39	
For Bonderized Finish, Add	24.66	
For Installation In Concrete Or Masonry, Add	3.13	
08 51 23 00-0006 SF Industrial Steel Window, Fixed Security Sash.....	61.54	4.54
For Heavy Commercial Grade (HC-40), Add	25.43	
For Non Stock Custom Sizes, Add	5.40	
For Double Glazing Sash, Add	32.84	
For Bonderized Finish, Add	20.51	
For Installation In Concrete Or Masonry, Add	2.86	
08 51 23 00-0007 Projected Sash (08 51 23 00-0001)		
08 51 23 00-0008 SF Commercial Projected Sash Window - 40% Vented Steel.....	58.22	4.54
For Heavy Commercial Grade (HC-40), Add	23.93	
For Non Stock Custom Sizes, Add	5.07	
For Double Glazing Sash, Add	30.85	
For Bonderized Finish, Add	19.25	
For Installation In Concrete Or Masonry, Add	2.78	
08 51 23 00-0009 SF Intermediate Projected Sash Window - 40% Vented Steel.....	64.21	4.54
For Heavy Commercial Grade (HC-40), Add	26.63	
For Non Stock Custom Sizes, Add	5.67	
For Double Glazing Sash, Add	34.44	
For Bonderized Finish, Add	21.53	
For Installation In Concrete Or Masonry, Add	2.93	
08 51 23 00-0010 Other Type Sash (08 51 23 00-0001)		
08 51 23 00-0011 SF Double Hung Steel Window Sash.....	74.80	4.54
For Heavy Commercial Grade (HC-40), Add	31.39	
For Non Stock Custom Sizes, Add	6.72	
For Double Glazing Sash, Add	40.80	
For Bonderized Finish, Add	25.55	
For Installation In Concrete Or Masonry, Add	3.19	
08 51 23 00-0012 SF Steel Picture Window Sash.....	32.11	4.54
For Heavy Commercial Grade (HC-40), Add	12.18	
For Non Stock Custom Sizes, Add	2.46	
For Double Glazing Sash, Add	15.18	
For Bonderized Finish, Add	9.33	
For Installation In Concrete Or Masonry, Add	2.13	
08 51 23 00-0013 SF Fire Rated Double Hung Steel Window Sash.....	77.16	5.67
For Heavy Commercial Grade (HC-40), Add	32.45	
For Non Stock Custom Sizes, Add	6.96	
For Double Glazing Sash, Add	42.21	
For Bonderized Finish, Add	26.45	
For Installation In Concrete Or Masonry, Add	3.25	
08 51 23 00-0014 SF Single Hung Steel Window Sash.....	52.91	4.54
For Heavy Commercial Grade (HC-40), Add	21.54	
For Non Stock Custom Sizes, Add	4.54	
For Double Glazing Sash, Add	27.66	
For Bonderized Finish, Add	17.23	
For Installation In Concrete Or Masonry, Add	2.65	
08 51 23 00-0015 Casements (08 51 23 00-0001)		
08 51 23 00-0016 SF Steel Window Casements, 100% Vented Operable, Factory Primed.....	67.05	2.27
For Double Glazing Sash, Add	36.15	
For Bonderized Finish, Add	22.61	
For Heavy Commercial Grade (HC-40), Add	27.90	
For Non Stock Custom Sizes, Add	5.95	
For Installation In Concrete Or Masonry, Add	3.00	
08 51 23 00-0017 SF Steel Window Casements, 50% Vented Operable, Factory Primed.....	57.98	2.27
For Double Glazing Sash, Add	30.71	
For Bonderized Finish, Add	19.16	
For Heavy Commercial Grade (HC-40), Add	23.82	
For Non Stock Custom Sizes, Add	5.04	
For Installation In Concrete Or Masonry, Add	2.77	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0018 SF Steel Window Casements, Fixed Sash, Factory Primed.....	40.88	3.40
For Double Glazing Sash, Add	20.45	
For Bonderized Finish, Add	12.66	
For Heavy Commercial Grade (HC-40), Add	16.13	
For Non Stock Custom Sizes, Add	3.33	
For Installation In Concrete Or Masonry, Add	2.35	
08 51 23 00-0019 Mullions (08 51 23 00-0001)		
08 51 23 00-0020 LF Open Faced Steel Mullion.....	24.26	3.40
08 51 23 00-0021 LF Covered Steel Mullions	41.40	3.40
08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame (08 51 23)		
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023 SF Remove And Reinstall Metal Window And Frame	11.87	
08 51 69 Metal Storm Windows (08 51)		
08 51 69 00-0001 Storm Windows (08 51 69)		
08 51 69 00-0002 SF Double Hung, Aluminum, Combination Storm And Screen.....	14.33	2.27
For Installation In Concrete Or Masonry, Add	0.89	
08 52 Wood Windows (08 50)		
08 52 16 Plastic-Clad Wood Windows (08 52)		
08 52 16 00-0001 Double Hung Wood Clad Windows (08 52 16)		
08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0001)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0004 EA 23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	229.54	34.79
For Low-E Insulated Glass, Add	19.19	
For Tempered Clear Insulated Glass, Add	31.99	
08 52 16 00-0005 EA 27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	242.94	36.31
For Low-E Insulated Glass, Add	20.44	
For Tempered Clear Insulated Glass, Add	34.07	
08 52 16 00-0006 EA 31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	255.48	37.82
For Low-E Insulated Glass, Add	21.58	
For Tempered Clear Insulated Glass, Add	35.97	
08 52 16 00-0007 EA 35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	268.01	39.34
For Low-E Insulated Glass, Add	22.72	
For Tempered Clear Insulated Glass, Add	37.87	
08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0009 EA 23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	248.78	37.06
For Low-E Insulated Glass, Add	20.96	
For Tempered Clear Insulated Glass, Add	34.93	
08 52 16 00-0010 EA 27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	262.17	38.58
For Low-E Insulated Glass, Add	22.20	
For Tempered Clear Insulated Glass, Add	37.00	
08 52 16 00-0011 EA 31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	274.72	40.09
For Low-E Insulated Glass, Add	23.34	
For Tempered Clear Insulated Glass, Add	38.91	
08 52 16 00-0012 EA 35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	287.26	41.60
For Low-E Insulated Glass, Add	24.49	
For Tempered Clear Insulated Glass, Add	40.81	
08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0014 EA 23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	268.01	39.34
For Low-E Insulated Glass, Add	22.72	
For Tempered Clear Insulated Glass, Add	37.87	
08 52 16 00-0015 EA 27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	280.55	40.85
For Low-E Insulated Glass, Add	23.86	
For Tempered Clear Insulated Glass, Add	39.77	
08 52 16 00-0016 EA 31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	293.95	42.36
For Low-E Insulated Glass, Add	25.11	
For Tempered Clear Insulated Glass, Add	41.85	
08 52 16 00-0017 EA 35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	306.49	43.87
For Low-E Insulated Glass, Add	26.25	
For Tempered Clear Insulated Glass, Add	43.75	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0019 EA 23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	287.26	41.60
For Low-E Insulated Glass, Add	24.49	
For Tempered Clear Insulated Glass, Add	40.81	
08 52 16 00-0020 EA 27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	299.79	43.11
For Low-E Insulated Glass, Add	25.63	
For Tempered Clear Insulated Glass, Add	42.71	
08 52 16 00-0021 EA 31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	312.33	44.62
For Low-E Insulated Glass, Add	26.77	
For Tempered Clear Insulated Glass, Add	44.61	
08 52 16 00-0022 EA 35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	325.72	46.14
For Low-E Insulated Glass, Add	28.01	
For Tempered Clear Insulated Glass, Add	46.69	
08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0024 EA 19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	283.90	41.60
For Low-E Insulated Glass, Add	24.17	
For Tempered Clear Insulated Glass, Add	40.29	
08 52 16 00-0025 EA 23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	296.43	42.74
For Low-E Insulated Glass, Add	25.32	
For Tempered Clear Insulated Glass, Add	42.19	
08 52 16 00-0026 EA 27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	309.84	44.62
For Low-E Insulated Glass, Add	26.56	
For Tempered Clear Insulated Glass, Add	44.27	
08 52 16 00-0027 EA 31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	322.37	46.14
For Low-E Insulated Glass, Add	27.70	
For Tempered Clear Insulated Glass, Add	46.17	
08 52 16 00-0028 EA 35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	334.92	47.66
For Low-E Insulated Glass, Add	28.84	
For Tempered Clear Insulated Glass, Add	48.07	
08 52 16 00-0029 EA 39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	347.45	49.17
For Low-E Insulated Glass, Add	29.98	
For Tempered Clear Insulated Glass, Add	49.97	
08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0031 EA 19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	293.95	42.36
For Low-E Insulated Glass, Add	25.11	
For Tempered Clear Insulated Glass, Add	41.85	
08 52 16 00-0032 EA 23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	306.49	43.87
For Low-E Insulated Glass, Add	26.25	
For Tempered Clear Insulated Glass, Add	43.75	
08 52 16 00-0033 EA 27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	319.02	45.39
For Low-E Insulated Glass, Add	27.39	
For Tempered Clear Insulated Glass, Add	45.65	
08 52 16 00-0034 EA 31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	331.56	46.90
For Low-E Insulated Glass, Add	28.53	
For Tempered Clear Insulated Glass, Add	47.55	
08 52 16 00-0035 EA 35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	344.10	48.41
For Low-E Insulated Glass, Add	29.67	
For Tempered Clear Insulated Glass, Add	49.46	
08 52 16 00-0036 EA 39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	357.49	49.92
For Low-E Insulated Glass, Add	30.92	
For Tempered Clear Insulated Glass, Add	51.53	
08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0038 EA 23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	325.72	46.14
For Low-E Insulated Glass, Add	28.01	
For Tempered Clear Insulated Glass, Add	46.69	
08 52 16 00-0039 EA 27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	338.26	47.66
For Low-E Insulated Glass, Add	29.15	
For Tempered Clear Insulated Glass, Add	48.59	
08 52 16 00-0040 EA 31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	350.79	49.17
For Low-E Insulated Glass, Add	30.30	
For Tempered Clear Insulated Glass, Add	50.49	
08 52 16 00-0041 EA 35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	363.33	50.68
For Low-E Insulated Glass, Add	31.44	
For Tempered Clear Insulated Glass, Add	52.39	
08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0043 EA 23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	344.10	48.41
For Low-E Insulated Glass, Add	29.67	
For Tempered Clear Insulated Glass, Add	49.46	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0044 EA 27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	357.49	49.92
For Low-E Insulated Glass, Add	30.92	
For Tempered Clear Insulated Glass, Add	51.53	
08 52 16 00-0045 EA 31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	370.03	51.43
For Low-E Insulated Glass, Add	32.06	
For Tempered Clear Insulated Glass, Add	53.43	
08 52 16 00-0046 EA 35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	382.57	52.95
For Low-E Insulated Glass, Add	33.20	
For Tempered Clear Insulated Glass, Add	55.33	
08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0049 EA 21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	280.66	34.79
For Tempered Low-E Insulated Glass, Add	42.37	
08 52 16 00-0050 EA 25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	297.52	35.93
For Tempered Low-E Insulated Glass, Add	45.13	
08 52 16 00-0051 EA 29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	315.25	37.44
For Tempered Low-E Insulated Glass, Add	48.07	
08 52 16 00-0052 EA 31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	324.54	38.58
For Tempered Low-E Insulated Glass, Add	49.63	
08 52 16 00-0053 EA 33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	332.97	39.34
For Tempered Low-E Insulated Glass, Add	51.01	
08 52 16 00-0054 EA 35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	341.39	40.09
For Tempered Low-E Insulated Glass, Add	52.39	
08 52 16 00-0055 EA 37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	350.70	40.46
For Tempered Low-E Insulated Glass, Add	53.95	
08 52 16 00-0056 EA 41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	367.55	41.99
For Tempered Low-E Insulated Glass, Add	56.72	
08 52 16 00-0057 EA 45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	385.28	43.50
For Tempered Low-E Insulated Glass, Add	59.66	
08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0059 EA 21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	297.52	36.31
For Tempered Low-E Insulated Glass, Add	45.13	
08 52 16 00-0060 EA 25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	315.25	37.44
For Tempered Low-E Insulated Glass, Add	48.07	
08 52 16 00-0061 EA 29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	332.97	38.95
For Tempered Low-E Insulated Glass, Add	51.01	
08 52 16 00-0062 EA 31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	341.39	40.09
For Tempered Low-E Insulated Glass, Add	52.39	
08 52 16 00-0063 EA 33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	350.70	40.85
For Tempered Low-E Insulated Glass, Add	53.95	
08 52 16 00-0064 EA 35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	359.12	41.60
For Tempered Low-E Insulated Glass, Add	55.33	
08 52 16 00-0065 EA 37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	367.55	41.99
For Tempered Low-E Insulated Glass, Add	56.72	
08 52 16 00-0066 EA 41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	385.28	43.50
For Tempered Low-E Insulated Glass, Add	59.66	
08 52 16 00-0067 EA 45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	403.00	45.01
For Tempered Low-E Insulated Glass, Add	62.60	
08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0069 EA 21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	315.25	37.82
For Tempered Low-E Insulated Glass, Add	48.07	
08 52 16 00-0070 EA 25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	332.97	38.95
For Tempered Low-E Insulated Glass, Add	51.01	
08 52 16 00-0071 EA 29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	350.70	40.46
For Tempered Low-E Insulated Glass, Add	53.95	
08 52 16 00-0072 EA 31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	359.12	41.60
For Tempered Low-E Insulated Glass, Add	55.33	
08 52 16 00-0073 EA 33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	367.55	42.36
For Tempered Low-E Insulated Glass, Add	56.72	
08 52 16 00-0074 EA 35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	376.84	43.11
For Tempered Low-E Insulated Glass, Add	58.27	
08 52 16 00-0075 EA 37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	385.28	43.50
For Tempered Low-E Insulated Glass, Add	59.66	
08 52 16 00-0076 EA 41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	403.00	45.01
For Tempered Low-E Insulated Glass, Add	62.60	
08 52 16 00-0077 EA 45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	420.71	46.52
For Tempered Low-E Insulated Glass, Add	65.54	
08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0079 EA 21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	332.97 51.01	39.34
08 52 16 00-0080 EA 25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	350.70 53.95	40.46
08 52 16 00-0081 EA 29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	367.55 56.72	41.99
08 52 16 00-0082 EA 31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	376.84 58.27	43.11
08 52 16 00-0083 EA 33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	385.28 59.66	43.87
08 52 16 00-0084 EA 35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	393.70 61.04	44.62
08 52 16 00-0085 EA 37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	403.00 62.60	45.01
08 52 16 00-0086 EA 41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.71 65.54	46.52
08 52 16 00-0087 EA 45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.59 68.30	48.03
08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089 EA 21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	350.70 53.95	40.85
08 52 16 00-0090 EA 25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	367.55 56.72	41.99
08 52 16 00-0091 EA 29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	385.28 59.66	43.50
08 52 16 00-0092 EA 31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	393.70 61.04	44.62
08 52 16 00-0093 EA 33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	403.00 62.60	45.39
08 52 16 00-0094 EA 35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	411.42 63.98	46.14
08 52 16 00-0095 EA 37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.71 65.54	46.52
08 52 16 00-0096 EA 41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.59 68.30	48.03
08 52 16 00-0097 EA 45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.31 71.24	49.55
08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099 EA 21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	367.55 56.72	42.36
08 52 16 00-0100 EA 25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	385.28 59.66	43.50
08 52 16 00-0101 EA 29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	403.00 62.60	45.01
08 52 16 00-0102 EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	411.42 63.98	46.14
08 52 16 00-0103 EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.71 65.54	46.90
08 52 16 00-0104 EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	429.16 66.92	47.66
08 52 16 00-0105 EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.59 68.30	48.03
08 52 16 00-0106 EA 41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.31 71.24	49.55
08 52 16 00-0107 EA 45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	473.03 74.18	51.06
08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109 EA 21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	385.28 59.66	43.87
08 52 16 00-0110 EA 25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	403.00 62.60	45.01
08 52 16 00-0111 EA 29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.71 65.54	46.52
08 52 16 00-0112 EA 31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	429.16 66.92	47.66
08 52 16 00-0113 EA 33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.59 68.30	48.41
08 52 16 00-0114 EA 35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	446.88 69.86	49.17
08 52 16 00-0115 EA 37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.31 71.24	49.55
08 52 16 00-0116 EA 41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	473.03 74.18	51.06

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0117 EA 45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.89 76.95	52.57
08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119 EA 21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	403.00 62.60	45.39
08 52 16 00-0120 EA 25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.71 65.54	46.52
08 52 16 00-0121 EA 29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.59 68.30	48.03
08 52 16 00-0122 EA 31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	446.88 69.86	49.17
08 52 16 00-0123 EA 33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.31 71.24	49.92
08 52 16 00-0124 EA 35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	463.74 72.63	50.68
08 52 16 00-0125 EA 37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	473.03 74.18	51.06
08 52 16 00-0126 EA 41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.89 76.95	52.57
08 52 16 00-0127 EA 45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	507.62 79.89	54.08
08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129 EA 21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.71 65.54	46.90
08 52 16 00-0130 EA 25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.59 68.30	48.03
08 52 16 00-0131 EA 29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.31 71.24	49.55
08 52 16 00-0132 EA 31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	463.74 72.63	50.68
08 52 16 00-0133 EA 33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	473.03 74.18	51.43
08 52 16 00-0134 EA 35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	481.46 75.57	52.20
08 52 16 00-0135 EA 37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.89 76.95	52.57
08 52 16 00-0136 EA 41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	507.62 79.89	54.08
08 52 16 00-0137 EA 45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.33 82.83	55.60
08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0139 EA 21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.59 68.30	48.41
08 52 16 00-0140 EA 25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.31 71.24	49.55
08 52 16 00-0141 EA 29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	473.03 74.18	51.06
08 52 16 00-0142 EA 31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	481.46 75.57	52.20
08 52 16 00-0143 EA 33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.89 76.95	52.95
08 52 16 00-0144 EA 35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	499.18 78.51	53.71
08 52 16 00-0145 EA 37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	507.62 79.89	54.08
08 52 16 00-0146 EA 41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.33 82.83	55.60
08 52 16 00-0147 EA 45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.05 85.77	57.11
08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0149 EA 21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.31 71.24	49.92
08 52 16 00-0150 EA 25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	473.03 74.18	51.06
08 52 16 00-0151 EA 29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.89 76.95	52.57
08 52 16 00-0152 EA 31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	499.18 78.51	53.71
08 52 16 00-0153 EA 33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	507.62 79.89	54.46



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0154	EA		35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	516.91 81.45	55.22
08 52 16 00-0155	EA		37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.33 82.83	55.60
08 52 16 00-0156	EA		41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.05 85.77	57.11
08 52 16 00-0157	EA		45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	559.93 88.54	58.62
08 52 16 00-0158			84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0159	EA		21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	695.66 118.10	52.95
08 52 16 00-0160	EA		25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	720.31 122.43	54.08
08 52 16 00-0161	EA		29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	744.94 126.75	55.60
08 52 16 00-0162	EA		31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	756.83 128.83	56.73
08 52 16 00-0163	EA		33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	769.58 131.07	57.48
08 52 16 00-0164	EA		35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	781.47 133.15	58.24
08 52 16 00-0165	EA		37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	793.37 135.22	58.62
08 52 16 00-0166	EA		41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	818.00 139.55	60.13
08 52 16 00-0167	EA		45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	842.65 143.87	61.64
08 52 16 00-0168			88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	720.31 122.43	54.46
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	744.94 126.75	55.60
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	769.58 131.07	57.11
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	781.47 133.15	58.24
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	793.37 135.22	59.00
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	806.12 137.47	59.76
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	818.00 139.55	60.13
08 52 16 00-0176	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	842.65 143.87	61.64
08 52 16 00-0177	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	867.28 148.19	63.16
08 52 16 00-0178			Casement Wood Clad Windows (08 52 16)		
08 52 16 00-0179			Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180			One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0181			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	187.78 26.21	28.74
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	198.18 27.84	29.50
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	210.02 29.60	31.01
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	221.02 31.19	32.53
08 52 16 00-0186			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	200.97 28.24	30.25
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	211.38 29.87	31.01
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	223.20 31.63	32.53

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	229.72	34.04
			<i>For Tempered Clear Insulated Glass, Add</i>	32.33	
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	242.90	35.55
			<i>For Tempered Clear Insulated Glass, Add</i>	34.51	
08 52 16 00-0192			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	224.56	32.53
			<i>For Tempered Clear Insulated Glass, Add</i>	31.90	
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	235.64	34.04
			<i>For Tempered Clear Insulated Glass, Add</i>	33.66	
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	247.47	35.18
			<i>For Tempered Clear Insulated Glass, Add</i>	35.42	
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	265.41	36.69
			<i>For Tempered Clear Insulated Glass, Add</i>	38.41	
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	282.22	37.82
			<i>For Tempered Clear Insulated Glass, Add</i>	41.32	
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	298.31	38.58
			<i>For Tempered Clear Insulated Glass, Add</i>	44.23	
08 52 16 00-0199			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	240.53	34.79
			<i>For Tempered Clear Insulated Glass, Add</i>	34.34	
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	250.93	35.55
			<i>For Tempered Clear Insulated Glass, Add</i>	35.97	
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	262.77	37.06
			<i>For Tempered Clear Insulated Glass, Add</i>	37.73	
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	288.15	38.58
			<i>For Tempered Clear Insulated Glass, Add</i>	42.20	
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	305.72	40.09
			<i>For Tempered Clear Insulated Glass, Add</i>	45.26	
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	322.59	41.60
			<i>For Tempered Clear Insulated Glass, Add</i>	48.03	
08 52 16 00-0206			48" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	263.53	37.82
			<i>For Tempered Clear Insulated Glass, Add</i>	37.73	
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	274.60	38.58
			<i>For Tempered Clear Insulated Glass, Add</i>	39.49	
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	286.44	40.09
			<i>For Tempered Clear Insulated Glass, Add</i>	41.25	
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	320.97	41.60
			<i>For Tempered Clear Insulated Glass, Add</i>	47.55	
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	334.93	43.11
			<i>For Tempered Clear Insulated Glass, Add</i>	49.89	
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	355.74	44.62
			<i>For Tempered Clear Insulated Glass, Add</i>	53.45	
08 52 16 00-0213			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	278.75	39.34
			<i>For Tempered Clear Insulated Glass, Add</i>	40.17	
08 52 16 00-0215	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	289.15	40.09
			<i>For Tempered Clear Insulated Glass, Add</i>	41.79	
08 52 16 00-0216	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	300.99	41.60
			<i>For Tempered Clear Insulated Glass, Add</i>	43.56	
08 52 16 00-0217	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	343.30	43.11
			<i>For Tempered Clear Insulated Glass, Add</i>	51.41	
08 52 16 00-0218	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	363.69	44.62
			<i>For Tempered Clear Insulated Glass, Add</i>	55.04	
08 52 16 00-0219	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	377.73	46.14
			<i>For Tempered Clear Insulated Glass, Add</i>	57.24	
08 52 16 00-0220			59-7/8" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0221	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	300.99	41.60
			<i>For Tempered Clear Insulated Glass, Add</i>	43.56	
08 52 16 00-0222	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	312.06	43.11
			<i>For Tempered Clear Insulated Glass, Add</i>	45.32	
08 52 16 00-0223	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	323.89	44.25
			<i>For Tempered Clear Insulated Glass, Add</i>	47.08	
08 52 16 00-0224	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	375.70	45.76
			<i>For Tempered Clear Insulated Glass, Add</i>	56.84	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0225	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	390.43 59.33	46.90
08 52 16 00-0226	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	410.13 62.66	48.41
08 52 16 00-0227			64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0228	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	316.96 45.99	43.87
08 52 16 00-0229	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	327.36 47.62	44.62
08 52 16 00-0230	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.19 49.38	46.14
08 52 16 00-0231	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	398.46 60.63	47.66
08 52 16 00-0232	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	412.22 62.93	49.17
08 52 16 00-0233	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	432.89 66.46	50.68
08 52 16 00-0234			71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0235	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.19 49.38	46.14
08 52 16 00-0236	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	350.28 51.14	47.66
08 52 16 00-0237	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	362.11 52.91	48.79
08 52 16 00-0238	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	430.86 66.05	50.30
08 52 16 00-0239	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	447.53 68.93	51.43
08 52 16 00-0240	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	465.28 71.88	52.95
08 52 16 00-0241			Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0242			24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0243	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	325.07 50.19	37.06
08 52 16 00-0244	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	367.81 57.53	40.09
08 52 16 00-0245	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	416.93 66.14	43.11
08 52 16 00-0246			28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0247	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	349.59 54.91	38.58
08 52 16 00-0248	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	392.34 61.83	41.60
08 52 16 00-0249	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	441.46 70.44	44.62
08 52 16 00-0250			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	346.71 53.91	38.58
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	389.95 61.50	41.60
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	435.30 69.36	44.62
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	487.43 78.57	47.27
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	522.53 84.69	49.55
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	580.75 94.97	52.95
08 52 16 00-0257			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	376.92 59.20	40.46

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0259 EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	420.15	43.11
For Tempered Clear Insulated Glass, Add	66.78	
08 52 16 00-0260 EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	465.50	46.14
For Tempered Clear Insulated Glass, Add	74.64	
08 52 16 00-0261 EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	517.62	49.17
For Tempered Clear Insulated Glass, Add	83.86	
08 52 16 00-0262 EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	556.33	51.43
For Tempered Clear Insulated Glass, Add	90.69	
08 52 16 00-0263 EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	714.62	54.84
For Tempered Clear Insulated Glass, Add	120.99	
08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0265 EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	421.59	43.50
For Tempered Clear Insulated Glass, Add	66.92	
08 52 16 00-0266 EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	465.50	46.14
For Tempered Clear Insulated Glass, Add	74.64	
08 52 16 00-0267 EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	510.85	49.17
For Tempered Clear Insulated Glass, Add	82.50	
08 52 16 00-0268 EA 56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	562.97	52.20
For Tempered Clear Insulated Glass, Add	91.72	
08 52 16 00-0269 EA 62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	600.13	54.46
For Tempered Clear Insulated Glass, Add	98.24	
08 52 16 00-0270 EA 71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	656.30	57.87
For Tempered Clear Insulated Glass, Add	108.11	
08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0272 EA 33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	451.03	45.01
For Tempered Clear Insulated Glass, Add	72.20	
08 52 16 00-0273 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	494.28	47.66
For Tempered Clear Insulated Glass, Add	79.79	
08 52 16 00-0274 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	534.60	50.68
For Tempered Clear Insulated Glass, Add	86.65	
08 52 16 00-0275 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	591.75	53.71
For Tempered Clear Insulated Glass, Add	96.87	
08 52 16 00-0276 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	630.59	55.97
For Tempered Clear Insulated Glass, Add	103.73	
08 52 16 00-0277 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	685.76	59.38
For Tempered Clear Insulated Glass, Add	113.40	
08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0279 EA 33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	494.95	47.66
For Tempered Clear Insulated Glass, Add	79.93	
08 52 16 00-0280 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	538.20	50.68
For Tempered Clear Insulated Glass, Add	87.52	
08 52 16 00-0281 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	583.53	53.71
For Tempered Clear Insulated Glass, Add	95.38	
08 52 16 00-0282 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	635.66	56.36
For Tempered Clear Insulated Glass, Add	104.59	
08 52 16 00-0283 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	674.51	58.62
For Tempered Clear Insulated Glass, Add	111.45	
08 52 16 00-0284 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	728.99	62.03
For Tempered Clear Insulated Glass, Add	120.99	
08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0286 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	525.16	49.55
For Tempered Clear Insulated Glass, Add	85.21	
08 52 16 00-0287 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	568.39	52.20
For Tempered Clear Insulated Glass, Add	92.80	
08 52 16 00-0288 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	614.43	55.22
For Tempered Clear Insulated Glass, Add	100.80	
08 52 16 00-0289 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	666.55	58.24
For Tempered Clear Insulated Glass, Add	110.01	
08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0291 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	569.07	52.20
For Tempered Clear Insulated Glass, Add	92.94	
08 52 16 00-0292 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	612.31	55.22
For Tempered Clear Insulated Glass, Add	100.53	
08 52 16 00-0293 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	657.66	58.24
For Tempered Clear Insulated Glass, Add	108.39	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0294 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	709.79 117.60	60.89
08 52 16 00-0295 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0296 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0297 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	507.44 81.97	48.79
08 52 16 00-0298 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	587.81 96.08	53.71
08 52 16 00-0299 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0300 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	537.31 87.34	50.30
08 52 16 00-0301 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	612.65 100.44	55.22
08 52 16 00-0302 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0303 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	517.76 83.89	49.17
08 52 16 00-0304 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	582.11 95.24	52.95
08 52 16 00-0305 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	661.72 109.20	58.24
08 52 16 00-0306 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0307 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	546.59 88.89	51.43
08 52 16 00-0308 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	612.99 100.66	54.84
08 52 16 00-0309 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	691.93 114.48	59.76
08 52 16 00-0310 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0311 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	657.66 108.39	57.87
08 52 16 00-0312 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	736.60 122.21	62.78
08 52 16 00-0313 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0314 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	687.11 113.67	59.38
08 52 16 00-0315 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	766.05 127.49	64.29
08 52 16 00-0316 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0317 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	730.34 121.26	62.03
08 52 16 00-0318 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	809.96 135.22	67.32

08 Openings**08 50 Windows**

08 52 Wood Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0319			Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320			One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0321			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	219.29	28.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	32.51	
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	231.72	29.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	34.54	
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	245.76	31.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	36.75	
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	258.76	32.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	38.74	
08 52 16 00-0326			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	235.02	30.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	35.05	
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	247.45	31.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	37.08	
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	261.48	32.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	39.29	
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	268.87	34.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	40.16	
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	284.78	35.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	42.89	
08 52 16 00-0332			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	263.18	32.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	39.63	
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	276.46	34.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	41.83	
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	290.50	35.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	44.03	
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	312.16	36.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	47.76	
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	332.60	37.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.39	
08 52 16 00-0338	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	352.35	38.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	55.04	
08 52 16 00-0339			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0340	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	282.20	34.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	42.67	
08 52 16 00-0341	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	294.64	35.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	44.71	
08 52 16 00-0342	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	308.68	37.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.91	
08 52 16 00-0343	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	339.64	38.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	52.50	
08 52 16 00-0344	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	361.04	40.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.32	
08 52 16 00-0345	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	381.36	41.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.78	
08 52 16 00-0346			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0347	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	309.44	37.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.91	
08 52 16 00-0348	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	322.71	38.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	49.11	
08 52 16 00-0349	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	336.75	40.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.31	
08 52 16 00-0350	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	379.15	41.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.19	
08 52 16 00-0351	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	396.04	43.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.11	
08 52 16 00-0352	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	421.29	44.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.56	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0354 EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 327.70	327.70	39.34
For Tempered Low-E Insulated Glass, Add	49.96	
08 52 16 00-0355 EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 340.13	340.13	40.09
For Tempered Low-E Insulated Glass, Add	51.99	
08 52 16 00-0356 EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 354.17	354.17	41.60
For Tempered Low-E Insulated Glass, Add	54.19	
08 52 16 00-0357 EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 406.32	406.32	43.11
For Tempered Low-E Insulated Glass, Add	64.02	
08 52 16 00-0358 EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 431.23	431.23	44.62
For Tempered Low-E Insulated Glass, Add	68.55	
08 52 16 00-0359 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 448.02	448.02	46.14
For Tempered Low-E Insulated Glass, Add	71.30	
08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0361 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 354.17	354.17	41.60
For Tempered Low-E Insulated Glass, Add	54.19	
08 52 16 00-0362 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 367.44	367.44	43.11
For Tempered Low-E Insulated Glass, Add	56.39	
08 52 16 00-0363 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 381.48	381.48	44.25
For Tempered Low-E Insulated Glass, Add	58.60	
08 52 16 00-0364 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 445.48	445.48	45.76
For Tempered Low-E Insulated Glass, Add	70.79	
08 52 16 00-0365 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 463.33	463.33	46.90
For Tempered Low-E Insulated Glass, Add	73.91	
08 52 16 00-0366 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 487.20	487.20	48.41
For Tempered Low-E Insulated Glass, Add	78.08	
08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0368 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 373.20	373.20	43.87
For Tempered Low-E Insulated Glass, Add	57.24	
08 52 16 00-0369 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 385.63	385.63	44.62
For Tempered Low-E Insulated Glass, Add	59.27	
08 52 16 00-0370 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 399.66	399.66	46.14
For Tempered Low-E Insulated Glass, Add	61.48	
08 52 16 00-0371 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 472.99	472.99	47.66
For Tempered Low-E Insulated Glass, Add	75.54	
08 52 16 00-0372 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 489.62	489.62	49.17
For Tempered Low-E Insulated Glass, Add	78.41	
08 52 16 00-0373 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 514.70	514.70	50.68
For Tempered Low-E Insulated Glass, Add	82.82	
08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0375 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 399.66	399.66	46.14
For Tempered Low-E Insulated Glass, Add	61.48	
08 52 16 00-0376 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 412.95	412.95	47.66
For Tempered Low-E Insulated Glass, Add	63.68	
08 52 16 00-0377 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 426.98	426.98	48.79
For Tempered Low-E Insulated Glass, Add	65.88	
08 52 16 00-0378 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 512.16	512.16	50.30
For Tempered Low-E Insulated Glass, Add	82.31	
08 52 16 00-0379 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 532.43	532.43	51.43
For Tempered Low-E Insulated Glass, Add	85.91	
08 52 16 00-0380 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) 553.87	553.87	52.95
For Tempered Low-E Insulated Glass, Add	89.59	
08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0383 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) 385.29	385.29	37.06
For Tempered Low-E Insulated Glass, Add	62.23	
08 52 16 00-0384 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) 437.20	437.20	40.09
For Tempered Low-E Insulated Glass, Add	71.40	
08 52 16 00-0385 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) 497.09	497.09	43.11
For Tempered Low-E Insulated Glass, Add	82.17	
08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	415.18	38.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.61	
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	467.11	41.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.78	
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	526.99	44.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.55	
08 52 16 00-0390			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	411.58	38.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.89	
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	464.31	41.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.37	
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	519.48	44.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.20	
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	583.13	47.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.71	
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	625.88	49.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.36	
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	696.95	52.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.21	
08 52 16 00-0397			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	448.40	40.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.49	
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	501.12	43.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.98	
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	556.29	46.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.80	
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	619.93	49.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.32	
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	667.18	51.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.86	
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	863.34	54.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.73	
08 52 16 00-0404			48" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	502.73	43.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.15	
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	556.29	46.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.80	
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	611.46	49.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.63	
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	675.10	52.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.14	
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	720.41	54.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.30	
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	788.93	57.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.64	
08 52 16 00-0411			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	538.78	45.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.75	
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	591.50	47.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.24	
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	641.65	50.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.06	
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	710.32	53.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.58	
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	757.74	55.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.16	
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	824.99	59.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.25	
08 52 16 00-0418			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	592.35	47.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.41	
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	645.08	50.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.89	
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	700.24	53.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.72	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	763.88 130.24	56.36
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	811.31 138.81	58.62
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	877.71 150.73	62.03
08 52 16 00-0425			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	629.16 106.01	49.55
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	681.88 115.50	52.20
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	737.91 125.49	55.22
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	801.55 137.01	58.24
08 52 16 00-0430			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	682.73 115.67	52.20
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	735.45 125.15	55.22
08 52 16 00-0433	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	790.63 134.98	58.24
08 52 16 00-0434	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	854.28 146.50	60.89
08 52 16 00-0435			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0436			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0437	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	608.65 102.21	48.79
08 52 16 00-0438	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	705.40 119.60	53.71
08 52 16 00-0439			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0440	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	643.97 108.67	50.30
08 52 16 00-0441	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	735.69 125.05	55.22
08 52 16 00-0442			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0443	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	620.10 104.35	49.17
08 52 16 00-0444	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	698.64 118.55	52.95
08 52 16 00-0445	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	795.71 136.00	58.24
08 52 16 00-0446			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0447	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	655.20 110.62	51.43
08 52 16 00-0448	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	736.30 125.32	54.84
08 52 16 00-0449	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	832.52 142.60	59.76

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0450 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0451 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	790.63	57.87
<i>For Tempered Low-E Insulated Glass, Add</i>	134.98	
08 52 16 00-0452 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	886.84	62.78
<i>For Tempered Low-E Insulated Glass, Add</i>	152.26	
08 52 16 00-0453 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0454 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	826.69	59.38
<i>For Tempered Low-E Insulated Glass, Add</i>	141.59	
08 52 16 00-0455 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	922.90	64.29
<i>For Tempered Low-E Insulated Glass, Add</i>	158.86	
08 52 16 00-0456 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0457 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	879.40	62.03
<i>For Tempered Low-E Insulated Glass, Add</i>	151.07	
08 52 16 00-0458 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	976.47	67.32
<i>For Tempered Low-E Insulated Glass, Add</i>	168.52	
08 52 16 00-0459 Awning Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-0460 Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0459)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461 Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0462 17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0463 EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	203.56	31.01
<i>For Tempered Clear Insulated Glass, Add</i>	28.31	
08 52 16 00-0464 EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	217.42	32.53
<i>For Tempered Clear Insulated Glass, Add</i>	30.47	
08 52 16 00-0465 EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	228.70	33.66
<i>For Tempered Clear Insulated Glass, Add</i>	32.28	
08 52 16 00-0466 EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	243.05	35.18
<i>For Tempered Clear Insulated Glass, Add</i>	34.54	
08 52 16 00-0467 EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	259.70	37.06
<i>For Tempered Clear Insulated Glass, Add</i>	37.11	
08 52 16 00-0468 EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	285.40	40.09
<i>For Tempered Clear Insulated Glass, Add</i>	41.04	
08 52 16 00-0469 EA 52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	301.30	41.60
<i>For Tempered Clear Insulated Glass, Add</i>	43.62	
08 52 16 00-0470 EA 59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	324.88	44.62
<i>For Tempered Clear Insulated Glass, Add</i>	47.28	
08 52 16 00-0471 EA 64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	334.46	46.14
<i>For Tempered Clear Insulated Glass, Add</i>	48.44	
08 52 16 00-0472 EA 71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	357.82	48.79
<i>For Tempered Clear Insulated Glass, Add</i>	52.05	
08 52 16 00-0473 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474 EA 24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	214.28	32.53
<i>For Tempered Clear Insulated Glass, Add</i>	30.00	
08 52 16 00-0475 EA 28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	229.18	34.04
<i>For Tempered Clear Insulated Glass, Add</i>	32.37	
08 52 16 00-0476 EA 31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	239.01	34.79
<i>For Tempered Clear Insulated Glass, Add</i>	33.88	
08 52 16 00-0477 EA 35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	254.79	36.31
<i>For Tempered Clear Insulated Glass, Add</i>	36.44	
08 52 16 00-0478 EA 40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	271.45	38.58
<i>For Tempered Clear Insulated Glass, Add</i>	39.01	
08 52 16 00-0479 EA 48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	296.48	41.22
<i>For Tempered Clear Insulated Glass, Add</i>	42.81	
08 52 16 00-0480 EA 52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	312.37	43.11
<i>For Tempered Clear Insulated Glass, Add</i>	45.38	
08 52 16 00-0481 EA 59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	336.64	45.39
<i>For Tempered Clear Insulated Glass, Add</i>	49.17	
08 52 16 00-0482 EA 64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	345.44	47.66
<i>For Tempered Clear Insulated Glass, Add</i>	50.18	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	369.45 53.92	49.92
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	551.36 88.34	55.22
08 52 16 00-0485			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	227.82 32.10	34.04
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	241.69 34.27	35.55
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	251.22 35.72	36.31
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	267.31 38.33	37.82
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	283.96 40.91	40.09
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	309.66 44.84	42.74
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	325.56 47.41	44.62
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	349.83 51.21	46.90
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	357.82 52.05	49.17
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	381.15 55.66	51.43
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	579.09 93.28	56.73
08 52 16 00-0497			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	228.82 31.69	35.55
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	249.46 35.22	37.06
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	262.87 37.45	37.82
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	287.27 41.72	39.34
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.06 45.92	41.60
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	348.60 52.02	44.25
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	371.95 56.09	46.14
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	407.73 62.18	48.41
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	421.73 64.22	50.68
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	456.46 70.11	52.95
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	594.81 95.82	58.24
08 52 16 00-0509			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	262.87 37.45	37.82
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	277.21 39.86	38.95
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	296.90 43.19	40.46
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	319.07 46.87	42.36
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	351.56 52.16	45.39
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	373.55 55.95	46.90
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	405.27 61.24	49.92
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	427.44 64.91	51.43
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	459.75 70.32	54.08
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	632.02 102.80	59.00

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0520			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	296.90	40.46
			<i>For Tempered Clear Insulated Glass, Add</i>	43.19	
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	324.41	41.99
			<i>For Tempered Clear Insulated Glass, Add</i>	48.09	
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	349.20	43.87
			<i>For Tempered Clear Insulated Glass, Add</i>	52.29	
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	385.74	46.90
			<i>For Tempered Clear Insulated Glass, Add</i>	58.39	
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	409.77	48.41
			<i>For Tempered Clear Insulated Glass, Add</i>	62.59	
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	444.88	51.43
			<i>For Tempered Clear Insulated Glass, Add</i>	68.55	
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	395.58	52.95
			<i>For Tempered Clear Insulated Glass, Add</i>	57.94	
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	423.61	55.60
			<i>For Tempered Clear Insulated Glass, Add</i>	62.48	
08 52 16 00-0529			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	345.14	43.87
			<i>For Tempered Clear Insulated Glass, Add</i>	51.48	
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	385.50	46.14
			<i>For Tempered Clear Insulated Glass, Add</i>	58.80	
08 52 16 00-0532			48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	406.07	46.90
			<i>For Tempered Clear Insulated Glass, Add</i>	62.45	
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	447.11	49.17
			<i>For Tempered Clear Insulated Glass, Add</i>	69.91	
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	507.37	51.81
			<i>For Tempered Clear Insulated Glass, Add</i>	80.75	
08 52 16 00-0536			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	496.90	51.06
			<i>For Tempered Clear Insulated Glass, Add</i>	78.96	
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	533.04	52.95
			<i>For Tempered Clear Insulated Glass, Add</i>	85.43	
08 52 16 00-0539			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	539.72	51.43
			<i>For Tempered Clear Insulated Glass, Add</i>	87.37	
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	560.39	55.60
			<i>For Tempered Clear Insulated Glass, Add</i>	89.84	
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	616.82	57.48
			<i>For Tempered Clear Insulated Glass, Add</i>	100.37	
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	675.38	60.52
			<i>For Tempered Clear Insulated Glass, Add</i>	110.87	
08 52 16 00-0544			Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)		
08 52 16 00-0545			17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	182.56	31.01
			<i>For Tempered Clear Insulated Glass, Add</i>	24.11	
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	195.74	32.53
			<i>For Tempered Clear Insulated Glass, Add</i>	26.14	
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	204.56	33.66
			<i>For Tempered Clear Insulated Glass, Add</i>	27.45	
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	218.65	35.18
			<i>For Tempered Clear Insulated Glass, Add</i>	29.66	
08 52 16 00-0550	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	233.95	37.06
			<i>For Tempered Clear Insulated Glass, Add</i>	31.96	
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	257.62	40.09
			<i>For Tempered Clear Insulated Glass, Add</i>	35.49	
08 52 16 00-0552	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	271.49	41.60
			<i>For Tempered Clear Insulated Glass, Add</i>	37.66	
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	293.72	44.62
			<i>For Tempered Clear Insulated Glass, Add</i>	41.04	
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	309.02	46.14
			<i>For Tempered Clear Insulated Glass, Add</i>	43.35	
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	331.25	48.79
			<i>For Tempered Clear Insulated Glass, Add</i>	46.73	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0557 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	192.95 25.73	32.53
08 52 16 00-0558 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	206.14 27.76	34.04
08 52 16 00-0559 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	214.30 28.94	34.79
08 52 16 00-0560 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	229.72 31.42	36.31
08 52 16 00-0561 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	245.03 33.73	38.58
08 52 16 00-0562 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	268.02 37.11	41.22
08 52 16 00-0563 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	282.56 39.42	43.11
08 52 16 00-0564 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	304.12 42.67	45.39
08 52 16 00-0565 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	320.10 45.11	47.66
08 52 16 00-0566 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	341.65 48.36	49.92
08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0568 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	204.78 27.49	34.04
08 52 16 00-0569 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	217.98 29.53	35.55
08 52 16 00-0570 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	225.37 30.55	36.31
08 52 16 00-0571 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	240.88 33.05	37.82
08 52 16 00-0572 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	256.18 35.35	40.09
08 52 16 00-0573 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	279.17 38.74	42.74
08 52 16 00-0574 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.72 41.04	44.62
08 52 16 00-0575 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	315.96 44.43	46.90
08 52 16 00-0576 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	331.25 46.73	49.17
08 52 16 00-0577 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	353.48 50.12	51.43
08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0579 EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	207.14 27.36	35.55
08 52 16 00-0580 EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	224.39 30.20	37.06
08 52 16 00-0581 EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	234.14 31.70	37.82
08 52 16 00-0582 EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	243.90 33.05	39.34
08 52 16 00-0583 EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	275.47 38.60	41.60
08 52 16 00-0584 EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	305.24 43.35	44.25
08 52 16 00-0585 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	324.52 46.60	46.14
08 52 16 00-0586 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	353.53 51.34	48.41
08 52 16 00-0587 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	374.26 54.73	50.68
08 52 16 00-0588 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	403.26 59.47	52.95
08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0590 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	234.14 31.70	37.82
08 52 16 00-0591 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	246.18 33.65	38.95
08 52 16 00-0592 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	262.43 36.30	40.46

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	281.15 39.29	42.36
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	308.46 43.54	45.39
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	326.43 46.53	46.90
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	352.98 50.78	49.92
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	371.13 53.65	51.43
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	397.69 57.90	54.08
08 52 16 00-0599			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	262.43 36.30	40.46
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	285.79 40.37	41.99
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	305.84 43.62	43.87
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	336.28 48.50	46.90
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	355.56 51.75	48.41
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	384.58 56.49	51.43
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	404.62 59.74	52.95
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	433.62 64.49	55.60
08 52 16 00-0608			Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0459)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609			Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0610			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	237.10 35.01	31.01
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	253.67 37.72	32.53
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	267.19 39.97	33.66
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	284.38 42.81	35.18
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	304.25 46.02	37.06
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	334.86 50.94	40.09
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	353.98 54.15	41.60
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	382.14 58.73	44.62
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	393.16 60.18	46.14
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	421.04 64.69	48.79
08 52 16 00-0621			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	249.94 37.13	32.53
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	267.80 40.10	34.04
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	279.52 41.99	34.79
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	298.49 45.18	36.31
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	318.37 48.39	38.58
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	348.14 53.14	41.22
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	367.25 56.36	43.11
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.26 61.10	45.39
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	406.32 62.35	47.66



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	435.01 67.03	49.92
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	659.94 110.05	55.22
08 52 16 00-0633			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	266.10 39.76	34.04
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	282.68 42.47	35.55
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	294.03 44.28	36.31
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	313.38 47.55	37.82
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	333.25 50.77	40.09
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	363.86 55.68	42.74
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	382.98 58.90	44.62
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	412.00 63.64	46.90
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	421.04 64.69	49.17
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	448.88 69.20	51.43
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	693.84 116.23	56.73
08 52 16 00-0645			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	266.59 39.25	35.55
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	291.64 43.65	37.06
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	307.84 46.44	37.82
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	337.57 51.78	39.34
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	367.62 57.03	41.60
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	411.78 64.66	44.25
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	440.21 69.74	46.14
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	483.62 77.36	48.41
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	500.17 79.91	50.68
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	616.01 102.02	52.95
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	712.74 119.40	58.24
08 52 16 00-0657			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	307.84 46.44	37.82
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	325.19 49.46	38.95
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	349.05 53.62	40.46
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	375.82 58.22	42.36
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	414.91 64.83	45.39
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	441.64 69.57	46.90
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	479.97 76.18	49.92
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	506.74 80.77	51.43
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	545.80 87.53	54.08
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	758.68 128.14	59.00

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0668			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	349.05	40.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.62	
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	382.68	41.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.74	
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	412.72	43.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.99	
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	456.89	46.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.62	
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	486.16	48.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.87	
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	528.72	51.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.32	
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	466.16	52.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.05	
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	499.88	55.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.74	
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	403.85	43.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.98	
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	459.43	46.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.13	
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	482.29	46.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.70	
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	532.65	49.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.01	
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	606.46	51.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.57	
08 52 16 00-0684			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	593.76	51.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.33	
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	637.98	52.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.42	
08 52 16 00-0687			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	647.09	51.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.84	
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	670.85	55.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.93	
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	740.44	57.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.09	
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	812.12	60.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.22	
08 52 16 00-0692			Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0693			17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	210.84	31.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	29.76	
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	226.57	32.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	32.30	
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	237.03	33.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	33.94	
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	253.89	35.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	36.71	
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	272.06	37.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	39.59	
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	300.13	40.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	43.99	
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	316.72	41.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.70	
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	343.18	44.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	50.94	
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	361.36	46.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.82	
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	387.83	48.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.05	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0705 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	223.27 31.80	32.53
08 52 16 00-0706 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	239.00 34.34	34.04
08 52 16 00-0707 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	248.63 35.81	34.79
08 52 16 00-0708 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	267.16 38.91	36.31
08 52 16 00-0709 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	285.34 41.79	38.58
08 52 16 00-0710 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	312.57 46.02	41.22
08 52 16 00-0711 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	329.99 48.90	43.11
08 52 16 00-0712 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	355.61 52.97	45.39
08 52 16 00-0713 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	374.65 56.02	47.66
08 52 16 00-0714 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	400.25 60.08	49.92
08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0716 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	237.31 34.00	34.04
08 52 16 00-0717 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	253.04 36.54	35.55
08 52 16 00-0718 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	261.71 37.82	36.31
08 52 16 00-0719 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	280.35 40.94	37.82
08 52 16 00-0720 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	298.53 43.82	40.09
08 52 16 00-0721 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	325.75 48.06	42.74
08 52 16 00-0722 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	343.18 50.94	44.62
08 52 16 00-0723 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	369.65 55.17	46.90
08 52 16 00-0724 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	387.83 58.05	49.17
08 52 16 00-0725 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	414.29 62.28	51.43
08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0727 EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	239.49 33.83	35.55
08 52 16 00-0728 EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	260.30 37.38	37.06
08 52 16 00-0729 EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	271.92 39.26	37.82
08 52 16 00-0730 EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	283.37 40.94	39.34
08 52 16 00-0731 EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	321.88 47.89	41.60
08 52 16 00-0732 EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	357.58 53.82	44.25
08 52 16 00-0733 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	380.92 57.88	46.14
08 52 16 00-0734 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.87 63.81	48.41
08 52 16 00-0735 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	440.83 68.04	50.68
08 52 16 00-0736 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	475.76 73.97	52.95
08 52 16 00-0737 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0738 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	271.92 39.26	37.82
08 52 16 00-0739 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	286.40 41.70	38.95
08 52 16 00-0740 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	305.95 45.00	40.46

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0741	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	328.41	42.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	48.74	
08 52 16 00-0742	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	361.04	45.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.05	
08 52 16 00-0743	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	382.74	46.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.79	
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	414.61	49.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.10	
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	436.35	51.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.70	
08 52 16 00-0746	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	468.22	54.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.01	
08 52 16 00-0747			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0748	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	305.95	40.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	45.00	
08 52 16 00-0749	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	334.40	41.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	50.09	
08 52 16 00-0750	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	358.52	43.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.15	
08 52 16 00-0751	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	395.06	46.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	60.25	
08 52 16 00-0752	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	418.41	48.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.32	
08 52 16 00-0753	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	453.35	51.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.25	
08 52 16 00-0754	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	477.45	52.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.31	
08 52 16 00-0755	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	512.39	55.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.24	
08 52 16 00-0756			Horizontal Sliding Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-0757			One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0756)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758			17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	253.35	40.09
			<i>For Tempered Clear Insulated Glass, Add</i>	34.79	
08 52 16 00-0760			23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	233.77	37.06
			<i>For Tempered Clear Insulated Glass, Add</i>	31.78	
08 52 16 00-0762	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	272.11	42.36
			<i>For Tempered Clear Insulated Glass, Add</i>	37.63	
08 52 16 00-0763			35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	272.11	42.36
			<i>For Tempered Clear Insulated Glass, Add</i>	37.63	
08 52 16 00-0765	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	310.44	46.90
			<i>For Tempered Clear Insulated Glass, Add</i>	43.48	
08 52 16 00-0766	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	348.80	51.06
			<i>For Tempered Clear Insulated Glass, Add</i>	49.34	
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	387.14	55.60
			<i>For Tempered Clear Insulated Glass, Add</i>	55.19	
08 52 16 00-0768			41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	291.70	44.62
			<i>For Tempered Clear Insulated Glass, Add</i>	40.64	
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	329.21	49.17
			<i>For Tempered Clear Insulated Glass, Add</i>	46.33	
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	367.55	53.33
			<i>For Tempered Clear Insulated Glass, Add</i>	52.18	
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	435.16	57.87
			<i>For Tempered Clear Insulated Glass, Add</i>	63.89	
08 52 16 00-0773			47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	310.44	46.90
			<i>For Tempered Clear Insulated Glass, Add</i>	43.48	
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	348.80	51.43
			<i>For Tempered Clear Insulated Glass, Add</i>	49.34	
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	387.14	55.60
			<i>For Tempered Clear Insulated Glass, Add</i>	55.19	
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	425.49	60.13
			<i>For Tempered Clear Insulated Glass, Add</i>	61.04	
08 52 16 00-0778			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	367.55	53.71
			<i>For Tempered Clear Insulated Glass, Add</i>	52.18	
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	405.89	57.87
			<i>For Tempered Clear Insulated Glass, Add</i>	58.03	
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	444.24	62.40
			<i>For Tempered Clear Insulated Glass, Add</i>	63.89	
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	387.14	55.97
			<i>For Tempered Clear Insulated Glass, Add</i>	55.19	
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	425.49	60.13
			<i>For Tempered Clear Insulated Glass, Add</i>	61.04	
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	463.90	64.68
			<i>For Tempered Clear Insulated Glass, Add</i>	66.91	
08 52 16 00-0786			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0756)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	527.19	37.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.46	
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	625.74	42.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.36	
08 52 16 00-0790			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	633.26	42.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.86	
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	732.64	46.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.92	
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	831.21	51.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.82	
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	929.75	55.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.71	
08 52 16 00-0795			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	682.96	44.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.89	
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	781.51	49.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	136.79	
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	880.89	53.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.85	
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	979.45	57.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.74	
08 52 16 00-0800			47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0801	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	732.64	46.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.92	
08 52 16 00-0802	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	831.21	51.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.82	
08 52 16 00-0803	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	929.75	55.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.71	
08 52 16 00-0804	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,029.14	60.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	181.77	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0806 EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	831.21	51.43
For Tempered Low-E Insulated Glass, Add	145.82	
08 52 16 00-0807 EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	929.75	55.97
For Tempered Low-E Insulated Glass, Add	163.71	
08 52 16 00-0808 EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,029.14	60.13
For Tempered Low-E Insulated Glass, Add	181.77	
08 52 16 00-0809 EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,127.70	64.68
For Tempered Low-E Insulated Glass, Add	199.67	
08 52 16 00-0810 Picture Wood Clad Windows (08 52 16)		
08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)		
08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0814 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	198.50	30.25
For Tempered Clear Insulated Glass, Add	27.60	
08 52 16 00-0815 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	230.69	33.28
For Tempered Clear Insulated Glass, Add	32.82	
08 52 16 00-0816 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	244.65	34.79
For Tempered Clear Insulated Glass, Add	35.01	
08 52 16 00-0817 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	265.15	37.82
For Tempered Clear Insulated Glass, Add	38.05	
08 52 16 00-0818 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	279.25	39.34
For Tempered Clear Insulated Glass, Add	40.12	
08 52 16 00-0819 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	299.75	42.36
For Tempered Clear Insulated Glass, Add	43.16	
08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0821 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	222.99	37.06
For Tempered Clear Insulated Glass, Add	29.77	
08 52 16 00-0822 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	254.90	39.34
For Tempered Clear Insulated Glass, Add	35.40	
08 52 16 00-0823 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	302.11	41.99
For Tempered Clear Insulated Glass, Add	43.63	
08 52 16 00-0824 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	332.58	43.50
For Tempered Clear Insulated Glass, Add	49.12	
08 52 16 00-0825 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	378.35	46.14
For Tempered Clear Insulated Glass, Add	57.21	
08 52 16 00-0826 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	410.26	48.03
For Tempered Clear Insulated Glass, Add	62.84	
08 52 16 00-0827 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	593.23	50.68
For Tempered Clear Insulated Glass, Add	98.37	
08 52 16 00-0828 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0829 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	254.90	39.34
For Tempered Clear Insulated Glass, Add	35.40	
08 52 16 00-0830 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	286.81	40.85
For Tempered Clear Insulated Glass, Add	41.02	
08 52 16 00-0831 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	334.03	43.87
For Tempered Clear Insulated Glass, Add	49.26	
08 52 16 00-0832 EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	364.49	45.39
For Tempered Clear Insulated Glass, Add	54.74	
08 52 16 00-0833 EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	410.26	48.41
For Tempered Clear Insulated Glass, Add	62.84	
08 52 16 00-0834 EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	442.16	49.92
For Tempered Clear Insulated Glass, Add	68.46	
08 52 16 00-0835 EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	487.93	52.95
For Tempered Clear Insulated Glass, Add	76.56	
08 52 16 00-0836 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0837 EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	302.11	42.36
For Tempered Clear Insulated Glass, Add	43.63	
08 52 16 00-0838 EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	334.03	43.87
For Tempered Clear Insulated Glass, Add	49.26	
08 52 16 00-0839 EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	381.24	46.90
For Tempered Clear Insulated Glass, Add	57.49	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	411.70 62.98	48.41
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	457.47 71.07	51.43
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	489.38 76.70	52.95
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	535.14 84.79	55.97
08 52 16 00-0844			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	332.58 49.12	43.87
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	364.49 54.74	45.39
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	411.70 62.98	48.41
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	442.16 68.46	49.92
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	487.93 76.56	52.95
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	519.85 82.18	54.46
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	606.08 98.37	57.48
08 52 16 00-0852			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	378.35 57.21	46.14
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	410.26 62.84	48.41
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	457.47 71.07	51.06
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	487.93 76.56	52.57
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	533.71 84.65	55.22
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	565.61 90.28	57.11
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	611.38 98.37	59.76
08 52 16 00-0860			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	410.26 62.84	48.41
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	442.16 68.46	49.92
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	489.38 76.70	52.95
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	519.85 82.18	54.46
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	606.08 98.37	57.48
08 52 16 00-0866			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0867	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	456.03 70.93	50.68
08 52 16 00-0868	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	487.93 76.56	52.95
08 52 16 00-0869	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	535.14 84.79	55.60
08 52 16 00-0870	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	565.61 90.28	57.11
08 52 16 00-0871	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	611.38 98.37	59.76
08 52 16 00-0872			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0811)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0874	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	230.87 34.07	30.25
08 52 16 00-0875	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	269.19 40.52	33.28
08 52 16 00-0876	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	285.72 43.23	34.79
08 52 16 00-0877	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	309.78 46.98	37.82
08 52 16 00-0878	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	326.31 49.53	39.34
08 52 16 00-0879	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	350.37 53.28	42.36
08 52 16 00-0880			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	257.91 36.76	37.06
08 52 16 00-0882	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	296.42 43.70	39.34
08 52 16 00-0883	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	353.28 53.86	41.99
08 52 16 00-0884	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	390.19 60.64	43.50
08 52 16 00-0885	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	445.45 70.63	46.14
08 52 16 00-0886	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	483.96 77.58	48.03
08 52 16 00-0887	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	708.61 121.45	50.68
08 52 16 00-0888			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0889	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	296.42 43.70	39.34
08 52 16 00-0890	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	334.92 50.65	40.85
08 52 16 00-0891	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	391.80 60.81	43.87
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	428.69 67.58	45.39
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	483.96 77.58	48.41
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	522.46 84.52	49.92
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	577.73 94.52	52.95
08 52 16 00-0896			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	353.28 53.86	42.36
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	391.80 60.81	43.87
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	448.66 70.97	46.90
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	485.56 77.75	48.41
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	540.83 87.74	51.43
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	579.33 94.69	52.95
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	634.59 104.68	55.97
08 52 16 00-0904			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	390.19 60.64	43.87
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	428.69 67.58	45.39
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	485.56 77.75	48.41
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	522.46 84.52	49.92
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	577.73 94.52	52.95
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	616.24 101.46	54.46



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0911 EA 71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	721.46 121.45	57.48
08 52 16 00-0912 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0913 EA 35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	445.45 70.63	46.14
08 52 16 00-0914 EA 40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.96 77.58	48.41
08 52 16 00-0915 EA 48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	540.83 87.74	51.06
08 52 16 00-0916 EA 52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	577.73 94.52	52.57
08 52 16 00-0917 EA 59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	632.99 104.51	55.22
08 52 16 00-0918 EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	671.49 111.46	57.11
08 52 16 00-0919 EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	726.76 121.45	59.76
08 52 16 00-0920 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0921 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.96 77.58	48.41
08 52 16 00-0922 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.46 84.52	49.92
08 52 16 00-0923 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	579.33 94.69	52.95
08 52 16 00-0924 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	616.24 101.46	54.46
08 52 16 00-0925 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	721.46 121.45	57.48
08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0927 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	539.22 87.57	50.68
08 52 16 00-0928 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	577.73 94.52	52.95
08 52 16 00-0929 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	634.59 104.68	55.60
08 52 16 00-0930 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	671.49 111.46	57.11
08 52 16 00-0931 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	726.76 121.45	59.76
08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)		
08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0935 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	285.92 38.27	47.27
08 52 16 00-0936 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.44 39.32	48.41
08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0938 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.44 39.32	48.41
08 52 16 00-0939 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	355.12 48.03	57.48
08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0941 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	332.55 44.88	54.08
08 52 16 00-0942 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.08 45.93	55.22

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0944 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	285.92 38.27	47.66
08 52 16 00-0945 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	332.55 44.88	54.08
08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0947 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.44 39.32	48.41
08 52 16 00-0948 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.08 45.93	55.22
08 52 16 00-0949 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	355.12 48.03	57.48
08 52 16 00-0950 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	370.91 50.28	59.76
08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0952 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	370.91 50.28	59.76
08 52 16 00-0953 71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0954 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	355.12 48.03	57.48
08 52 16 00-0955 Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0932)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956 48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0957 EA 12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	305.99 46.98	35.55
08 52 16 00-0958 EA 37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	423.96 66.79	45.39
08 52 16 00-0959 EA 41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	441.99 69.79	46.52
08 52 16 00-0960 EA 47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	469.05 74.29	48.79
08 52 16 00-0961 EA 51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	487.09 77.30	50.68
08 52 16 00-0962 EA 59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	523.90 83.45	53.33
08 52 16 00-0963 EA 67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	560.71 89.60	56.73
08 52 16 00-0964 52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0965 EA 12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	324.78 50.13	37.06
08 52 16 00-0966 EA 37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	441.99 69.79	46.90
08 52 16 00-0967 EA 41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	460.78 72.94	48.03
08 52 16 00-0968 EA 47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	487.09 77.30	50.30
08 52 16 00-0969 EA 51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	505.87 80.45	52.20
08 52 16 00-0970 EA 59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	542.68 86.60	54.84
08 52 16 00-0971 EA 67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	579.50 92.75	58.24
08 52 16 00-0972 56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0973 EA 12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	342.81 53.13	38.58
08 52 16 00-0974 EA 37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	460.78 72.94	48.41



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	478.81 75.94	49.55
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	505.87 80.45	51.81
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	523.90 83.45	53.71
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	560.71 89.60	56.36
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	598.29 95.91	59.76
08 52 16 00-0980			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	361.60 56.28	40.09
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	478.81 75.94	49.92
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	497.60 79.10	51.06
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	523.90 83.45	53.33
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	542.68 86.60	55.22
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	579.50 92.75	57.87
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	616.33 98.91	61.27
08 52 16 00-0988			64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	379.63 59.28	41.60
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	497.60 79.10	51.43
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	516.38 82.25	52.57
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	542.68 86.60	54.84
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	560.71 89.60	56.73
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	598.29 95.91	59.38
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	635.11 102.06	62.78
08 52 16 00-0996			68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	398.41 62.44	43.11
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	516.38 82.25	52.95
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	534.42 85.25	54.08
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	560.71 89.60	56.36
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	579.50 92.75	58.24
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	598.29 98.91	60.89
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	653.14 105.06	64.29
08 52 16 00-1004			72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-1005	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	416.45 65.44	44.62
08 52 16 00-1006	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	534.42 85.25	54.46
08 52 16 00-1007	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	553.20 88.40	55.60
08 52 16 00-1008	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	579.50 92.75	57.87
08 52 16 00-1009	EA		51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	598.29 95.91	59.76
08 52 16 00-1010	EA		59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	635.11 102.06	62.40
08 52 16 00-1011	EA		67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	671.93 108.21	65.80

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1012		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	435.23 68.59	46.14
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	553.20 88.40	55.97
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	571.23 91.40	57.11
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	598.29 95.91	59.38
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	616.33 98.91	61.27
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	653.14 105.06	63.92
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	689.96 111.22	67.32
08 52 16 00-1020		Picture Wood Clad Windows For Horizontal Sliding Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-1021		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	285.92 38.27	47.27
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.44 39.32	48.41
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.44 39.32	48.41
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	355.12 48.03	57.48
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	332.55 44.88	54.08
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.08 45.93	55.22
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	285.92 38.27	47.66
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	332.55 44.88	54.08
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.44 39.32	48.41
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.08 45.93	55.22
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	355.12 48.03	57.48
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	370.91 50.28	59.76
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	370.91 50.28	59.76
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1042 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	355.12 48.03	57.48
08 52 16 00-1043 Basement Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1044 Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045 EA 32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	155.29	30.25
08 52 16 00-1046 EA 32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	162.41	30.25
08 52 16 00-1047 EA 32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	168.67	30.25
08 52 16 00-1048 Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1049 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	18.52	
08 52 16 00-1051 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	27.29	
08 52 16 00-1052 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	37.03	
08 52 16 00-1053 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	46.78	
08 52 16 00-1054 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	66.27	
08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1056 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	29.63	
08 52 16 00-1057 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	43.66	
08 52 16 00-1058 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	59.26	
08 52 16 00-1059 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	74.85	
08 52 16 00-1060 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	106.04	
08 52 16 00-1061 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1062 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	35.55	
08 52 16 00-1063 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	52.39	
08 52 16 00-1064 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	71.11	
08 52 16 00-1065 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	89.82	
08 52 16 00-1066 EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	127.24	
08 52 16 00-1067 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1068 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	42.67	
08 52 16 00-1069 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	62.87	
08 52 16 00-1070 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	85.33	
08 52 16 00-1071 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	107.78	
08 52 16 00-1072 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	152.69	
08 52 19 Wood Windows <small>(08 52)</small>		
08 52 19 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19)</small> Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 19 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0003 EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	230.21 19.48 20.87	
08 52 19 00-0004 EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	244.46 20.88 22.37	
08 52 19 00-0005 EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	259.70 22.42 24.02	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0006	EA		30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	267.84 23.26 24.93	
08 52 19 00-0007	EA		32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	274.95 23.96 25.68	
08 52 19 00-0008	EA		34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	284.08 24.95 26.73	
08 52 19 00-0009	EA		36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	288.23 25.23 27.03	
08 52 19 00-0010	EA		40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	306.44 27.19 29.13	
08 52 19 00-0011	EA		44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	321.69 28.73 30.78	
08 52 19 00-0012			34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0013	EA		20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	244.46 20.88 22.37	
08 52 19 00-0014	EA		24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	259.70 22.42 24.02	
08 52 19 00-0015	EA		28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	272.84 23.96 25.68	
08 52 19 00-0016	EA		30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	284.08 24.95 26.73	
08 52 19 00-0017	EA		32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	291.20 25.65 27.48	
08 52 19 00-0018	EA		34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	299.33 26.49 28.38	
08 52 19 00-0019	EA		36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	306.44 27.19 29.13	
08 52 19 00-0020	EA		40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	321.69 28.73 30.78	
08 52 19 00-0021	EA		44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	336.94 30.27 32.43	
08 52 19 00-0022			36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0023	EA		20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	251.53 21.72 23.27	
08 52 19 00-0024	EA		24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	266.78 23.26 24.93	
08 52 19 00-0025	EA		28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	283.02 24.95 26.73	
08 52 19 00-0026	EA		30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	290.13 25.65 27.48	
08 52 19 00-0027	EA		32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	298.27 26.49 28.38	
08 52 19 00-0028	EA		34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	305.38 27.19 29.13	
08 52 19 00-0029	EA		36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	313.51 28.03 30.03	
08 52 19 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	327.76 29.43 31.53	
08 52 19 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	343.01 30.97 33.18	
08 52 19 00-0032			38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	260.77	
			<i>For Low-E Insulated Glass, Add</i>	22.42	
			<i>For Aluminum Clad Exterior, Add</i>	24.02	
08 52 19 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	276.01	
			<i>For Low-E Insulated Glass, Add</i>	23.96	
			<i>For Aluminum Clad Exterior, Add</i>	25.68	
08 52 19 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	292.26	
			<i>For Low-E Insulated Glass, Add</i>	25.65	
			<i>For Aluminum Clad Exterior, Add</i>	27.48	
08 52 19 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	300.38	
			<i>For Low-E Insulated Glass, Add</i>	26.49	
			<i>For Aluminum Clad Exterior, Add</i>	28.38	
08 52 19 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.50	
			<i>For Low-E Insulated Glass, Add</i>	27.19	
			<i>For Aluminum Clad Exterior, Add</i>	29.13	
08 52 19 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	315.63	
			<i>For Low-E Insulated Glass, Add</i>	28.03	
			<i>For Aluminum Clad Exterior, Add</i>	30.03	
08 52 19 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	322.75	
			<i>For Low-E Insulated Glass, Add</i>	28.73	
			<i>For Aluminum Clad Exterior, Add</i>	30.78	
08 52 19 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	338.01	
			<i>For Low-E Insulated Glass, Add</i>	30.27	
			<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	353.25	
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0042			46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	291.20	
			<i>For Low-E Insulated Glass, Add</i>	25.65	
			<i>For Aluminum Clad Exterior, Add</i>	27.48	
08 52 19 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	306.44	
			<i>For Low-E Insulated Glass, Add</i>	27.19	
			<i>For Aluminum Clad Exterior, Add</i>	29.13	
08 52 19 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	321.69	
			<i>For Low-E Insulated Glass, Add</i>	28.73	
			<i>For Aluminum Clad Exterior, Add</i>	30.78	
08 52 19 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.81	
			<i>For Low-E Insulated Glass, Add</i>	29.43	
			<i>For Aluminum Clad Exterior, Add</i>	31.53	
08 52 19 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.94	
			<i>For Low-E Insulated Glass, Add</i>	30.27	
			<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	344.06	
			<i>For Low-E Insulated Glass, Add</i>	30.97	
			<i>For Aluminum Clad Exterior, Add</i>	33.18	
08 52 19 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	352.19	
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.44	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	383.68	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0052			48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	298.27	
			<i>For Low-E Insulated Glass, Add</i>	26.49	
			<i>For Aluminum Clad Exterior, Add</i>	28.38	
08 52 19 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	313.51	
			<i>For Low-E Insulated Glass, Add</i>	28.03	
			<i>For Aluminum Clad Exterior, Add</i>	30.03	
08 52 19 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	327.76	
			<i>For Low-E Insulated Glass, Add</i>	29.43	
			<i>For Aluminum Clad Exterior, Add</i>	31.53	
08 52 19 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	335.88	
			<i>For Low-E Insulated Glass, Add</i>	30.27	
			<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	343.01	
			<i>For Low-E Insulated Glass, Add</i>	30.97	
			<i>For Aluminum Clad Exterior, Add</i>	33.18	
08 52 19 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	351.13	
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	358.25	
			<i>For Low-E Insulated Glass, Add</i>	32.51	
			<i>For Aluminum Clad Exterior, Add</i>	34.83	
08 52 19 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	374.50	
			<i>For Low-E Insulated Glass, Add</i>	34.19	
			<i>For Aluminum Clad Exterior, Add</i>	36.64	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	389.75 35.74 38.29	
08 52 19 00-0062			50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	307.50 27.19 29.13	
08 52 19 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	322.75 28.73 30.78	
08 52 19 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	338.01 30.27 32.43	
08 52 19 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	345.12 30.97 33.18	
08 52 19 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	353.25 31.81 34.08	
08 52 19 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	360.36 32.51 34.83	
08 52 19 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	368.50 33.35 35.74	
08 52 19 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	384.74 35.04 37.54	
08 52 19 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.99 36.58 39.19	
08 52 19 00-0072			54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	322.75 28.73 30.78	
08 52 19 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	338.01 30.27 32.43	
08 52 19 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	353.25 31.81 34.08	
08 52 19 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	360.36 32.51 34.83	
08 52 19 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	368.50 33.35 35.74	
08 52 19 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	376.61 34.19 36.64	
08 52 19 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	384.74 35.04 37.54	
08 52 19 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.99 36.58 39.19	
08 52 19 00-0081	EA		44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	415.24 38.12 40.84	
08 52 19 00-0082			58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0083	EA		20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	336.94 30.27 32.43	
08 52 19 00-0084	EA		24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	352.19 31.81 34.08	
08 52 19 00-0085	EA		28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	367.44 33.35 35.74	
08 52 19 00-0086	EA		30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	375.55 34.19 36.64	
08 52 19 00-0087	EA		32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	383.68 35.04 37.54	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0088 EA 34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	390.81	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0089 EA 36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	398.93	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0090 EA 40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	414.17	
<i>For Low-E Insulated Glass, Add</i>	38.12	
<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0091 EA 44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	428.42	
<i>For Low-E Insulated Glass, Add</i>	39.52	
<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0093 EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	343.01	
<i>For Low-E Insulated Glass, Add</i>	30.97	
<i>For Aluminum Clad Exterior, Add</i>	33.18	
08 52 19 00-0094 EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	358.25	
<i>For Low-E Insulated Glass, Add</i>	32.51	
<i>For Aluminum Clad Exterior, Add</i>	34.83	
08 52 19 00-0095 EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	374.50	
<i>For Low-E Insulated Glass, Add</i>	34.19	
<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0096 EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.62	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0097 EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	389.75	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0098 EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	397.87	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0099 EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.00	
<i>For Low-E Insulated Glass, Add</i>	37.28	
<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0100 EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	420.25	
<i>For Low-E Insulated Glass, Add</i>	38.82	
<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 19 00-0101 EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	435.49	
<i>For Low-E Insulated Glass, Add</i>	40.36	
<i>For Aluminum Clad Exterior, Add</i>	43.24	
08 52 19 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0103 EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	353.25	
<i>For Low-E Insulated Glass, Add</i>	31.81	
<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0104 EA 24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	368.50	
<i>For Low-E Insulated Glass, Add</i>	33.35	
<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0105 EA 28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	384.74	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0106 EA 30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	391.87	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0107 EA 32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	399.99	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0108 EA 34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.11	
<i>For Low-E Insulated Glass, Add</i>	37.28	
<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0109 EA 36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	415.24	
<i>For Low-E Insulated Glass, Add</i>	38.12	
<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0110 EA 40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	429.48	
<i>For Low-E Insulated Glass, Add</i>	39.52	
<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0111 EA 44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	444.73	
<i>For Low-E Insulated Glass, Add</i>	41.06	
<i>For Aluminum Clad Exterior, Add</i>	43.99	
08 52 19 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0113 EA 20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	368.50	
<i>For Low-E Insulated Glass, Add</i>	33.35	
<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0114 EA 24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	384.74	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.99 36.58 39.19	
08 52 19 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	407.11 37.28 39.94	
08 52 19 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	415.24 38.12 40.84	
08 52 19 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	422.36 38.82 41.59	
08 52 19 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	429.48 39.52 42.34	
08 52 19 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	444.73 41.06 43.99	
08 52 19 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	459.97 42.60 45.65	
08 52 19 00-0122			70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	383.68 35.04 37.54	
08 52 19 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	398.93 36.58 39.19	
08 52 19 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	414.17 38.12 40.84	
08 52 19 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	421.30 38.82 41.59	
08 52 19 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	428.42 39.52 42.34	
08 52 19 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	439.51 40.78 43.69	
08 52 19 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	444.72 41.21 44.15	
08 52 19 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	458.91 42.60 45.65	
08 52 19 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	475.17 44.28 47.45	
08 52 19 00-0132			74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.99 36.58 39.19	
08 52 19 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	415.24 38.12 40.84	
08 52 19 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	429.48 39.52 42.34	
08 52 19 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	437.61 40.36 43.24	
08 52 19 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	444.73 41.06 43.99	
08 52 19 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	452.85 41.90 44.90	
08 52 19 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	459.97 42.60 45.65	
08 52 19 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	476.23 44.28 47.45	
08 52 19 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	491.48 45.83 49.10	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0143 EA 20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	419.47	
For Low-E Insulated Glass, Add	38.12	
For Aluminum Clad Exterior, Add	40.84	
08 52 19 00-0144 EA 24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	433.72	
For Low-E Insulated Glass, Add	39.52	
For Aluminum Clad Exterior, Add	42.34	
08 52 19 00-0145 EA 28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	448.96	
For Low-E Insulated Glass, Add	41.06	
For Aluminum Clad Exterior, Add	43.99	
08 52 19 00-0146 EA 30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	457.09	
For Low-E Insulated Glass, Add	41.90	
For Aluminum Clad Exterior, Add	44.90	
08 52 19 00-0147 EA 32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	464.21	
For Low-E Insulated Glass, Add	42.60	
For Aluminum Clad Exterior, Add	45.65	
08 52 19 00-0148 EA 34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	472.33	
For Low-E Insulated Glass, Add	43.44	
For Aluminum Clad Exterior, Add	46.55	
08 52 19 00-0149 EA 36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	480.47	
For Low-E Insulated Glass, Add	44.28	
For Aluminum Clad Exterior, Add	47.45	
08 52 19 00-0150 EA 40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	495.70	
For Low-E Insulated Glass, Add	45.83	
For Aluminum Clad Exterior, Add	49.10	
08 52 19 00-0151 EA 44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	510.95	
For Low-E Insulated Glass, Add	47.37	
For Aluminum Clad Exterior, Add	50.75	
08 52 19 00-0152 Commercial And Institutional Heavy Double Hung Windows <small>(08 52 19)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0153 SF Up To 21 SF Double Hung Wood Window With True Divided Lite	62.09	9.46
For Insulating Glass, Add	3.67	
08 52 19 00-0154 SF 21 To 40 SF Double Hung Wood Window With True Divided Lite	59.67	10.51
For Insulating Glass, Add	3.29	
08 52 19 00-0155 SF 40 SF And Over Double Hung Wood Window With True Divided Lite	57.66	11.80
For Insulating Glass, Add	2.89	
08 52 19 00-0156 Architectural And Historic Reproduction Wood Windows <small>(08 52 19)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0157 SF Up To 21 SF Architectural And Historic Reproduction Wood Window	66.64	9.45
For Insulating Glass, Add	4.06	
08 52 19 00-0158 SF 21 To 40 SF Architectural And Historic Reproduction Wood Window	62.13	10.51
For Insulating Glass, Add	3.50	
08 52 19 00-0159 SF 40 SF And Over Architectural And Historic Reproduction Wood Window	59.10	11.80
For Insulating Glass, Add	3.01	
08 52 19 00-0160 Removal And Reinstallation Of Wood Window And Frame <small>(08 52 19)</small> Note: Includes storage, cleaning and supply materials.		
08 52 19 00-0161 SF Remove And Reinstall Wood Windows And Frames	23.32	
08 52 19 00-0162 Window Casing <small>(08 52 19)</small>		
08 52 19 00-0163 Window Casing Covers <small>(08 52 19 00-0162)</small>		
08 52 19 00-0164 EA Up To 40" x 96" Window Casing Cover	264.31	52.95
08 52 66 Wood Window Screens <small>(08 52)</small>		
08 52 66 00-0001 Insect Screens For Wood Clad Windows <small>(08 52 66)</small>		
08 52 66 00-0002 EA Up To 6 SF, Insect Screen For Wood Clad Windows	28.42	6.65
08 52 66 00-0003 EA >6 To 9 SF, Insect Screen For Wood Clad Windows	32.74	6.65
08 52 66 00-0004 EA >9 To 12 SF, Insect Screen For Wood Clad Windows.....	34.91	6.65
08 52 66 00-0005 EA >12 To 15 SF, Insect Screen For Wood Clad Windows.....	39.23	6.65
08 52 66 00-0006 EA >15 To 20 SF, Insect Screen For Wood Clad Windows.....	47.87	6.65
08 52 66 00-0007 EA >20 To 25 SF, Insect Screen For Wood Clad Windows.....	52.20	6.65
08 52 66 00-0008 EA >25 To 30 SF, Insect Screen For Wood Clad Windows.....	56.52	6.65
08 52 66 00-0009 EA >30 To 35 SF, Insect Screen For Wood Clad Windows.....	60.84	6.65
08 52 66 00-0010 SF >35 SF, Insect Screen For Wood Clad Windows.....	1.81	0.13

08 53 Plastic Windows (08 50)

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 53 13 Vinyl Windows (08 53)08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001)
 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles.
08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0004	EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	157.58	34.79
	For Colored Vinyl, Add	8.80	
	For Tinted Glass, Add	10.56	
	For Low-E Insulated Glass, Add	22.00	
	For Obscure Glass, Add	24.20	
08 53 13 00-0005	EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	165.50	36.31
	For Colored Vinyl, Add	9.29	
	For Tinted Glass, Add	11.15	
	For Low-E Insulated Glass, Add	23.22	
	For Obscure Glass, Add	25.54	
08 53 13 00-0006	EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	168.91	37.06
	For Colored Vinyl, Add	9.48	
	For Tinted Glass, Add	11.37	
	For Low-E Insulated Glass, Add	23.70	
	For Obscure Glass, Add	26.06	
08 53 13 00-0007	EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	172.57	37.82
	For Colored Vinyl, Add	9.69	
	For Tinted Glass, Add	11.63	
	For Low-E Insulated Glass, Add	24.23	
	For Obscure Glass, Add	26.66	
08 53 13 00-0008	EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	181.58	39.34
	For Colored Vinyl, Add	10.29	
	For Tinted Glass, Add	12.35	
	For Low-E Insulated Glass, Add	25.73	
	For Obscure Glass, Add	28.30	
08 53 13 00-0009	EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	196.70	42.36
	For Colored Vinyl, Add	11.20	
	For Tinted Glass, Add	13.44	
	For Low-E Insulated Glass, Add	28.00	
	For Obscure Glass, Add	30.79	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0011	EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	160.81	35.55
	For Colored Vinyl, Add	8.97	
	For Tinted Glass, Add	10.77	
	For Low-E Insulated Glass, Add	22.43	
	For Obscure Glass, Add	24.67	
08 53 13 00-0012	EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	168.75	36.31
	For Colored Vinyl, Add	9.46	
	For Tinted Glass, Add	11.35	
	For Low-E Insulated Glass, Add	23.66	
	For Obscure Glass, Add	26.02	
08 53 13 00-0013	EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	172.15	37.82
	For Colored Vinyl, Add	9.65	
	For Tinted Glass, Add	11.58	
	For Low-E Insulated Glass, Add	24.13	
	For Obscure Glass, Add	26.54	
08 53 13 00-0014	EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	175.80	38.58
	For Colored Vinyl, Add	9.87	
	For Tinted Glass, Add	11.84	
	For Low-E Insulated Glass, Add	24.66	
	For Obscure Glass, Add	27.13	
08 53 13 00-0015	EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	184.83	40.09
	For Colored Vinyl, Add	10.47	
	For Tinted Glass, Add	12.56	
	For Low-E Insulated Glass, Add	26.16	
	For Obscure Glass, Add	28.78	
08 53 13 00-0016	EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.94	43.11
	For Colored Vinyl, Add	11.37	
	For Tinted Glass, Add	13.65	
	For Low-E Insulated Glass, Add	28.43	
	For Obscure Glass, Add	31.27	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0018	EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	163.97	36.31
	For Colored Vinyl, Add	9.14	
	For Tinted Glass, Add	10.96	
	For Low-E Insulated Glass, Add	22.84	
	For Obscure Glass, Add	25.12	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0019 EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	171.90	37.82
For Colored Vinyl, Add	9.63	
For Tinted Glass, Add	11.55	
For Low-E Insulated Glass, Add	24.07	
For Obscure Glass, Add	26.47	
08 53 13 00-0020 EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	175.42	38.58
For Colored Vinyl, Add	9.83	
For Tinted Glass, Add	11.79	
For Low-E Insulated Glass, Add	24.57	
For Obscure Glass, Add	27.02	
08 53 13 00-0021 EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	179.07	39.34
For Colored Vinyl, Add	10.04	
For Tinted Glass, Add	12.05	
For Low-E Insulated Glass, Add	25.10	
For Obscure Glass, Add	27.61	
08 53 13 00-0022 EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	188.22	40.85
For Colored Vinyl, Add	10.65	
For Tinted Glass, Add	12.78	
For Low-E Insulated Glass, Add	26.63	
For Obscure Glass, Add	29.30	
08 53 13 00-0023 EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.51	43.87
For Colored Vinyl, Add	11.58	
For Tinted Glass, Add	13.89	
For Low-E Insulated Glass, Add	28.94	
For Obscure Glass, Add	31.83	
08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0025 EA 24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	173.59	38.58
For Colored Vinyl, Add	9.64	
For Tinted Glass, Add	11.57	
For Low-E Insulated Glass, Add	24.11	
For Obscure Glass, Add	26.52	
08 53 13 00-0026 EA 28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	181.53	40.09
For Colored Vinyl, Add	10.14	
For Tinted Glass, Add	12.16	
For Low-E Insulated Glass, Add	25.34	
For Obscure Glass, Add	27.87	
08 53 13 00-0027 EA 30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	185.40	40.85
For Colored Vinyl, Add	10.37	
For Tinted Glass, Add	12.45	
For Low-E Insulated Glass, Add	25.93	
For Obscure Glass, Add	28.52	
08 53 13 00-0028 EA 32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	189.06	41.60
For Colored Vinyl, Add	10.59	
For Tinted Glass, Add	12.70	
For Low-E Insulated Glass, Add	26.46	
For Obscure Glass, Add	29.11	
08 53 13 00-0029 EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	198.56	43.11
For Colored Vinyl, Add	11.23	
For Tinted Glass, Add	13.48	
For Low-E Insulated Glass, Add	28.08	
For Obscure Glass, Add	30.89	
08 53 13 00-0030 EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	214.29	46.14
For Colored Vinyl, Add	12.20	
For Tinted Glass, Add	14.64	
For Low-E Insulated Glass, Add	30.50	
For Obscure Glass, Add	33.55	
08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032 EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	176.83	39.34
For Colored Vinyl, Add	9.82	
For Tinted Glass, Add	11.78	
For Low-E Insulated Glass, Add	24.54	
For Obscure Glass, Add	27.00	
08 53 13 00-0033 EA 28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	184.76	40.85
For Colored Vinyl, Add	10.31	
For Tinted Glass, Add	12.37	
For Low-E Insulated Glass, Add	25.77	
For Obscure Glass, Add	28.34	
08 53 13 00-0034 EA 30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	188.76	41.60
For Colored Vinyl, Add	10.56	
For Tinted Glass, Add	12.67	
For Low-E Insulated Glass, Add	26.39	
For Obscure Glass, Add	29.03	
08 53 13 00-0035 EA 32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	192.41	42.36
For Colored Vinyl, Add	10.77	
For Tinted Glass, Add	12.92	
For Low-E Insulated Glass, Add	26.92	
For Obscure Glass, Add	29.61	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0036 EA 36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.03	43.87
For Colored Vinyl, Add	11.43	
For Tinted Glass, Add	13.71	
For Low-E Insulated Glass, Add	28.57	
For Obscure Glass, Add	31.43	
08 53 13 00-0037 EA 44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.93	46.90
For Colored Vinyl, Add	12.41	
For Tinted Glass, Add	14.90	
For Low-E Insulated Glass, Add	31.03	
For Obscure Glass, Add	34.14	
08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0039 EA 24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	180.10	40.09
For Colored Vinyl, Add	9.99	
For Tinted Glass, Add	11.99	
For Low-E Insulated Glass, Add	24.98	
For Obscure Glass, Add	27.48	
08 53 13 00-0040 EA 28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	188.04	41.60
For Colored Vinyl, Add	10.48	
For Tinted Glass, Add	12.58	
For Low-E Insulated Glass, Add	26.21	
For Obscure Glass, Add	28.83	
08 53 13 00-0041 EA 30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	192.13	42.36
For Colored Vinyl, Add	10.74	
For Tinted Glass, Add	12.89	
For Low-E Insulated Glass, Add	26.85	
For Obscure Glass, Add	29.54	
08 53 13 00-0042 EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	195.78	43.11
For Colored Vinyl, Add	10.96	
For Tinted Glass, Add	13.15	
For Low-E Insulated Glass, Add	27.39	
For Obscure Glass, Add	30.13	
08 53 13 00-0043 EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.53	44.62
For Colored Vinyl, Add	11.63	
For Tinted Glass, Add	13.95	
For Low-E Insulated Glass, Add	29.07	
For Obscure Glass, Add	31.97	
08 53 13 00-0044 EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.58	47.66
For Colored Vinyl, Add	12.63	
For Tinted Glass, Add	15.15	
For Low-E Insulated Glass, Add	31.57	
For Obscure Glass, Add	34.72	
08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0046 EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	183.26	40.85
For Colored Vinyl, Add	10.16	
For Tinted Glass, Add	12.19	
For Low-E Insulated Glass, Add	25.39	
For Obscure Glass, Add	27.93	
08 53 13 00-0047 EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	191.19	42.36
For Colored Vinyl, Add	10.65	
For Tinted Glass, Add	12.78	
For Low-E Insulated Glass, Add	26.62	
For Obscure Glass, Add	29.28	
08 53 13 00-0048 EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	195.41	43.11
For Colored Vinyl, Add	10.92	
For Tinted Glass, Add	13.10	
For Low-E Insulated Glass, Add	27.30	
For Obscure Glass, Add	30.02	
08 53 13 00-0049 EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.07	43.87
For Colored Vinyl, Add	11.13	
For Tinted Glass, Add	13.36	
For Low-E Insulated Glass, Add	27.83	
For Obscure Glass, Add	30.61	
08 53 13 00-0050 EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.91	45.39
For Colored Vinyl, Add	11.81	
For Tinted Glass, Add	14.18	
For Low-E Insulated Glass, Add	29.54	
For Obscure Glass, Add	32.49	
08 53 13 00-0051 EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.12	48.41
For Colored Vinyl, Add	12.83	
For Tinted Glass, Add	15.40	
For Low-E Insulated Glass, Add	32.08	
For Obscure Glass, Add	35.28	
08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0053	EA		24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	186.43	41.60
			<i>For Colored Vinyl, Add</i>	10.32	
			<i>For Tinted Glass, Add</i>	12.39	
			<i>For Low-E Insulated Glass, Add</i>	25.81	
			<i>For Obscure Glass, Add</i>	28.39	
08 53 13 00-0054	EA		28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	194.36	43.11
			<i>For Colored Vinyl, Add</i>	10.81	
			<i>For Tinted Glass, Add</i>	12.98	
			<i>For Low-E Insulated Glass, Add</i>	27.03	
			<i>For Obscure Glass, Add</i>	29.74	
08 53 13 00-0055	EA		30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	198.71	43.87
			<i>For Colored Vinyl, Add</i>	11.10	
			<i>For Tinted Glass, Add</i>	13.32	
			<i>For Low-E Insulated Glass, Add</i>	27.74	
			<i>For Obscure Glass, Add</i>	30.51	
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.36	44.62
			<i>For Colored Vinyl, Add</i>	11.31	
			<i>For Tinted Glass, Add</i>	13.57	
			<i>For Low-E Insulated Glass, Add</i>	28.28	
			<i>For Obscure Glass, Add</i>	31.10	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.33	46.14
			<i>For Colored Vinyl, Add</i>	12.01	
			<i>For Tinted Glass, Add</i>	14.41	
			<i>For Low-E Insulated Glass, Add</i>	30.01	
			<i>For Obscure Glass, Add</i>	33.01	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	228.69	49.17
			<i>For Colored Vinyl, Add</i>	13.04	
			<i>For Tinted Glass, Add</i>	15.64	
			<i>For Low-E Insulated Glass, Add</i>	32.59	
			<i>For Obscure Glass, Add</i>	35.85	
08 53 13 00-0059			54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	189.60	42.36
			<i>For Colored Vinyl, Add</i>	10.49	
			<i>For Tinted Glass, Add</i>	12.59	
			<i>For Low-E Insulated Glass, Add</i>	26.22	
			<i>For Obscure Glass, Add</i>	28.84	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	197.54	43.87
			<i>For Colored Vinyl, Add</i>	10.98	
			<i>For Tinted Glass, Add</i>	13.17	
			<i>For Low-E Insulated Glass, Add</i>	27.45	
			<i>For Obscure Glass, Add</i>	30.19	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	201.99	44.62
			<i>For Colored Vinyl, Add</i>	11.27	
			<i>For Tinted Glass, Add</i>	13.53	
			<i>For Low-E Insulated Glass, Add</i>	28.18	
			<i>For Obscure Glass, Add</i>	31.00	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.64	45.39
			<i>For Colored Vinyl, Add</i>	11.49	
			<i>For Tinted Glass, Add</i>	13.78	
			<i>For Low-E Insulated Glass, Add</i>	28.72	
			<i>For Obscure Glass, Add</i>	31.59	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.73	46.90
			<i>For Colored Vinyl, Add</i>	12.19	
			<i>For Tinted Glass, Add</i>	14.63	
			<i>For Low-E Insulated Glass, Add</i>	30.48	
			<i>For Obscure Glass, Add</i>	33.53	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	232.23	49.92
			<i>For Colored Vinyl, Add</i>	13.24	
			<i>For Tinted Glass, Add</i>	15.89	
			<i>For Low-E Insulated Glass, Add</i>	33.10	
			<i>For Obscure Glass, Add</i>	36.41	
08 53 13 00-0066			60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.32	44.62
			<i>For Colored Vinyl, Add</i>	11.01	
			<i>For Tinted Glass, Add</i>	13.21	
			<i>For Low-E Insulated Glass, Add</i>	27.52	
			<i>For Obscure Glass, Add</i>	30.27	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	207.25	46.14
			<i>For Colored Vinyl, Add</i>	11.50	
			<i>For Tinted Glass, Add</i>	13.80	
			<i>For Low-E Insulated Glass, Add</i>	28.74	
			<i>For Obscure Glass, Add</i>	31.62	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.04	46.90
			<i>For Colored Vinyl, Add</i>	11.82	
			<i>For Tinted Glass, Add</i>	14.19	
			<i>For Low-E Insulated Glass, Add</i>	29.56	
			<i>For Obscure Glass, Add</i>	32.52	

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.69	47.66
			<i>For Colored Vinyl, Add</i>	12.04	
			<i>For Tinted Glass, Add</i>	14.45	
			<i>For Low-E Insulated Glass, Add</i>	30.10	
			<i>For Obscure Glass, Add</i>	33.10	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.13	49.17
			<i>For Colored Vinyl, Add</i>	12.78	
			<i>For Tinted Glass, Add</i>	15.34	
			<i>For Low-E Insulated Glass, Add</i>	31.95	
			<i>For Obscure Glass, Add</i>	35.15	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	243.11	52.20
			<i>For Colored Vinyl, Add</i>	13.87	
			<i>For Tinted Glass, Add</i>	16.65	
			<i>For Low-E Insulated Glass, Add</i>	34.68	
			<i>For Obscure Glass, Add</i>	38.15	
08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>					
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.49	45.39
			<i>For Colored Vinyl, Add</i>	11.17	
			<i>For Tinted Glass, Add</i>	13.41	
			<i>For Low-E Insulated Glass, Add</i>	27.93	
			<i>For Obscure Glass, Add</i>	30.72	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	210.43	46.90
			<i>For Colored Vinyl, Add</i>	11.66	
			<i>For Tinted Glass, Add</i>	14.00	
			<i>For Low-E Insulated Glass, Add</i>	29.16	
			<i>For Obscure Glass, Add</i>	32.07	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.35	47.66
			<i>For Colored Vinyl, Add</i>	12.00	
			<i>For Tinted Glass, Add</i>	14.40	
			<i>For Low-E Insulated Glass, Add</i>	30.01	
			<i>For Obscure Glass, Add</i>	33.01	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.00	48.41
			<i>For Colored Vinyl, Add</i>	12.22	
			<i>For Tinted Glass, Add</i>	14.66	
			<i>For Low-E Insulated Glass, Add</i>	30.55	
			<i>For Obscure Glass, Add</i>	33.60	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.55	49.92
			<i>For Colored Vinyl, Add</i>	12.97	
			<i>For Tinted Glass, Add</i>	15.57	
			<i>For Low-E Insulated Glass, Add</i>	32.43	
			<i>For Obscure Glass, Add</i>	35.67	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.70	52.95
			<i>For Colored Vinyl, Add</i>	14.08	
			<i>For Tinted Glass, Add</i>	16.90	
			<i>For Low-E Insulated Glass, Add</i>	35.20	
			<i>For Obscure Glass, Add</i>	38.72	
08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>					
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.92	46.90
			<i>For Colored Vinyl, Add</i>	11.51	
			<i>For Tinted Glass, Add</i>	13.81	
			<i>For Low-E Insulated Glass, Add</i>	28.78	
			<i>For Obscure Glass, Add</i>	31.66	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	216.84	48.41
			<i>For Colored Vinyl, Add</i>	12.00	
			<i>For Tinted Glass, Add</i>	14.40	
			<i>For Low-E Insulated Glass, Add</i>	30.01	
			<i>For Obscure Glass, Add</i>	33.01	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.99	49.17
			<i>For Colored Vinyl, Add</i>	12.37	
			<i>For Tinted Glass, Add</i>	14.84	
			<i>For Low-E Insulated Glass, Add</i>	30.92	
			<i>For Obscure Glass, Add</i>	34.01	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.64	49.92
			<i>For Colored Vinyl, Add</i>	12.58	
			<i>For Tinted Glass, Add</i>	15.10	
			<i>For Low-E Insulated Glass, Add</i>	31.45	
			<i>For Obscure Glass, Add</i>	34.60	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.45	51.43
			<i>For Colored Vinyl, Add</i>	13.36	
			<i>For Tinted Glass, Add</i>	16.03	
			<i>For Low-E Insulated Glass, Add</i>	33.40	
			<i>For Obscure Glass, Add</i>	36.73	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.89	54.46
			<i>For Colored Vinyl, Add</i>	14.50	
			<i>For Tinted Glass, Add</i>	17.40	
			<i>For Low-E Insulated Glass, Add</i>	36.24	
			<i>For Obscure Glass, Add</i>	39.86	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088 EA 24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	218.63	49.17
For Colored Vinyl, Add	12.03	
For Tinted Glass, Add	14.44	
For Low-E Insulated Glass, Add	30.08	
For Obscure Glass, Add	33.08	
08 53 13 00-0089 EA 28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.56	50.68
For Colored Vinyl, Add	12.52	
For Tinted Glass, Add	15.02	
For Low-E Insulated Glass, Add	31.30	
For Obscure Glass, Add	34.43	
08 53 13 00-0090 EA 30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	231.71	51.43
For Colored Vinyl, Add	12.88	
For Tinted Glass, Add	15.46	
For Low-E Insulated Glass, Add	32.21	
For Obscure Glass, Add	35.43	
08 53 13 00-0091 EA 32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.36	52.20
For Colored Vinyl, Add	13.10	
For Tinted Glass, Add	15.72	
For Low-E Insulated Glass, Add	32.75	
For Obscure Glass, Add	36.02	
08 53 13 00-0092 EA 36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.17	53.71
For Colored Vinyl, Add	13.88	
For Tinted Glass, Add	16.65	
For Low-E Insulated Glass, Add	34.69	
For Obscure Glass, Add	38.16	
08 53 13 00-0093 EA 44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	263.60	56.73
For Colored Vinyl, Add	15.01	
For Tinted Glass, Add	18.02	
For Low-E Insulated Glass, Add	37.54	
For Obscure Glass, Add	41.29	
08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095 EA Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	220.61	39.71
For Colored Vinyl, Add	14.12	
For Tinted Glass, Add	16.94	
For Low-E Insulated Glass, Add	35.30	
For Obscure Glass, Add	38.83	
08 53 13 00-0096 EA >73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	241.79	43.50
For Colored Vinyl, Add	15.48	
For Tinted Glass, Add	18.58	
For Low-E Insulated Glass, Add	38.70	
For Obscure Glass, Add	42.57	
08 53 13 00-0097 EA >83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	261.58	47.27
For Colored Vinyl, Add	16.70	
For Tinted Glass, Add	20.04	
For Low-E Insulated Glass, Add	41.76	
For Obscure Glass, Add	45.93	
08 53 13 00-0098 EA >93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	276.53	51.06
For Colored Vinyl, Add	17.44	
For Tinted Glass, Add	20.93	
For Low-E Insulated Glass, Add	43.60	
For Obscure Glass, Add	47.96	
08 53 13 00-0099 EA >101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	292.04	54.84
For Colored Vinyl, Add	18.24	
For Tinted Glass, Add	21.88	
For Low-E Insulated Glass, Add	45.59	
For Obscure Glass, Add	50.15	
08 53 13 00-0100 EA >110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	316.18	58.62
For Colored Vinyl, Add	19.89	
For Tinted Glass, Add	23.87	
For Low-E Insulated Glass, Add	49.73	
For Obscure Glass, Add	54.71	
08 53 13 00-0101 UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	2.65	0.49
For Colored Vinyl, Add	0.17	
For Tinted Glass, Add	0.20	
For Low-E Insulated Glass, Add	0.42	
For Obscure Glass, Add	0.46	
08 53 13 00-0102 Double Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0102)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	210.72	34.79
			For Colored Vinyl, Add	14.11	
			For Tinted Glass, Add	16.94	
			For Low-E Insulated Glass, Add	35.28	
			For Obscure Glass, Add	38.81	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	218.65	36.31
			For Colored Vinyl, Add	14.60	
			For Tinted Glass, Add	17.52	
			For Low-E Insulated Glass, Add	36.51	
			For Obscure Glass, Add	40.16	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.52	37.06
			For Colored Vinyl, Add	14.84	
			For Tinted Glass, Add	17.81	
			For Low-E Insulated Glass, Add	37.10	
			For Obscure Glass, Add	40.81	
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	226.17	37.82
			For Colored Vinyl, Add	15.05	
			For Tinted Glass, Add	18.06	
			For Low-E Insulated Glass, Add	37.63	
			For Obscure Glass, Add	41.40	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	234.73	39.34
			For Colored Vinyl, Add	15.61	
			For Tinted Glass, Add	18.73	
			For Low-E Insulated Glass, Add	39.02	
			For Obscure Glass, Add	42.92	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	249.26	42.36
			For Colored Vinyl, Add	16.45	
			For Tinted Glass, Add	19.74	
			For Low-E Insulated Glass, Add	41.14	
			For Obscure Glass, Add	45.25	
08 53 13 00-0111			36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	213.96	35.55
			For Colored Vinyl, Add	14.29	
			For Tinted Glass, Add	17.14	
			For Low-E Insulated Glass, Add	35.72	
			For Obscure Glass, Add	39.29	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	221.89	37.06
			For Colored Vinyl, Add	14.78	
			For Tinted Glass, Add	17.73	
			For Low-E Insulated Glass, Add	36.94	
			For Obscure Glass, Add	40.63	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	225.75	37.82
			For Colored Vinyl, Add	15.01	
			For Tinted Glass, Add	18.01	
			For Low-E Insulated Glass, Add	37.53	
			For Obscure Glass, Add	41.28	
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	229.40	38.58
			For Colored Vinyl, Add	15.23	
			For Tinted Glass, Add	18.27	
			For Low-E Insulated Glass, Add	38.06	
			For Obscure Glass, Add	41.87	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	237.97	40.09
			For Colored Vinyl, Add	15.78	
			For Tinted Glass, Add	18.93	
			For Low-E Insulated Glass, Add	39.45	
			For Obscure Glass, Add	43.39	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	252.49	43.11
			For Colored Vinyl, Add	16.63	
			For Tinted Glass, Add	19.95	
			For Low-E Insulated Glass, Add	41.57	
			For Obscure Glass, Add	45.72	
08 53 13 00-0118			38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	216.95	36.31
			For Colored Vinyl, Add	14.43	
			For Tinted Glass, Add	17.32	
			For Low-E Insulated Glass, Add	36.09	
			For Obscure Glass, Add	39.69	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	224.88	37.82
			For Colored Vinyl, Add	14.92	
			For Tinted Glass, Add	17.91	
			For Low-E Insulated Glass, Add	37.31	
			For Obscure Glass, Add	41.04	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	228.84	38.58
			For Colored Vinyl, Add	15.17	
			For Tinted Glass, Add	18.20	
			For Low-E Insulated Glass, Add	37.92	
			For Obscure Glass, Add	41.71	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	232.49	39.34
			<i>For Colored Vinyl, Add</i>	15.38	
			<i>For Tinted Glass, Add</i>	18.46	
			<i>For Low-E Insulated Glass, Add</i>	38.46	
			<i>For Obscure Glass, Add</i>	42.30	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.20	40.85
			<i>For Colored Vinyl, Add</i>	15.95	
			<i>For Tinted Glass, Add</i>	19.14	
			<i>For Low-E Insulated Glass, Add</i>	39.88	
			<i>For Obscure Glass, Add</i>	43.87	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	255.86	43.87
			<i>For Colored Vinyl, Add</i>	16.81	
			<i>For Tinted Glass, Add</i>	20.17	
			<i>For Low-E Insulated Glass, Add</i>	42.03	
			<i>For Obscure Glass, Add</i>	46.23	
08 53 13 00-0125			44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	226.86	38.58
			<i>For Colored Vinyl, Add</i>	14.97	
			<i>For Tinted Glass, Add</i>	17.97	
			<i>For Low-E Insulated Glass, Add</i>	37.43	
			<i>For Obscure Glass, Add</i>	41.17	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	234.80	40.09
			<i>For Colored Vinyl, Add</i>	15.46	
			<i>For Tinted Glass, Add</i>	18.55	
			<i>For Low-E Insulated Glass, Add</i>	38.66	
			<i>For Obscure Glass, Add</i>	42.52	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	238.19	40.85
			<i>For Colored Vinyl, Add</i>	15.65	
			<i>For Tinted Glass, Add</i>	18.78	
			<i>For Low-E Insulated Glass, Add</i>	39.13	
			<i>For Obscure Glass, Add</i>	43.04	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.85	41.60
			<i>For Colored Vinyl, Add</i>	15.86	
			<i>For Tinted Glass, Add</i>	19.04	
			<i>For Low-E Insulated Glass, Add</i>	39.66	
			<i>For Obscure Glass, Add</i>	43.63	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	250.85	43.11
			<i>For Colored Vinyl, Add</i>	16.46	
			<i>For Tinted Glass, Add</i>	19.75	
			<i>For Low-E Insulated Glass, Add</i>	41.16	
			<i>For Obscure Glass, Add</i>	45.27	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	266.20	46.14
			<i>For Colored Vinyl, Add</i>	17.39	
			<i>For Tinted Glass, Add</i>	20.87	
			<i>For Low-E Insulated Glass, Add</i>	43.48	
			<i>For Obscure Glass, Add</i>	47.83	
08 53 13 00-0132			46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	229.84	39.34
			<i>For Colored Vinyl, Add</i>	15.12	
			<i>For Tinted Glass, Add</i>	18.14	
			<i>For Low-E Insulated Glass, Add</i>	37.80	
			<i>For Obscure Glass, Add</i>	41.57	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	237.77	40.85
			<i>For Colored Vinyl, Add</i>	15.61	
			<i>For Tinted Glass, Add</i>	18.73	
			<i>For Low-E Insulated Glass, Add</i>	39.02	
			<i>For Obscure Glass, Add</i>	42.92	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.32	41.60
			<i>For Colored Vinyl, Add</i>	15.81	
			<i>For Tinted Glass, Add</i>	18.97	
			<i>For Low-E Insulated Glass, Add</i>	39.53	
			<i>For Obscure Glass, Add</i>	43.48	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	244.97	42.36
			<i>For Colored Vinyl, Add</i>	16.03	
			<i>For Tinted Glass, Add</i>	19.23	
			<i>For Low-E Insulated Glass, Add</i>	40.06	
			<i>For Obscure Glass, Add</i>	44.07	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	254.08	43.87
			<i>For Colored Vinyl, Add</i>	16.63	
			<i>For Tinted Glass, Add</i>	19.96	
			<i>For Low-E Insulated Glass, Add</i>	41.58	
			<i>For Obscure Glass, Add</i>	45.74	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	269.84	46.90
			<i>For Colored Vinyl, Add</i>	17.60	
			<i>For Tinted Glass, Add</i>	21.12	
			<i>For Low-E Insulated Glass, Add</i>	44.01	
			<i>For Obscure Glass, Add</i>	48.41	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0139			48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	232.85	40.09
			For Colored Vinyl, Add	15.27	
			For Tinted Glass, Add	18.32	
			For Low-E Insulated Glass, Add	38.17	
			For Obscure Glass, Add	41.98	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	240.78	41.60
			For Colored Vinyl, Add	15.76	
			For Tinted Glass, Add	18.91	
			For Low-E Insulated Glass, Add	39.39	
			For Obscure Glass, Add	43.33	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	244.41	42.36
			For Colored Vinyl, Add	15.97	
			For Tinted Glass, Add	19.16	
			For Low-E Insulated Glass, Add	39.92	
			For Obscure Glass, Add	43.91	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	248.06	43.11
			For Colored Vinyl, Add	16.18	
			For Tinted Glass, Add	19.42	
			For Low-E Insulated Glass, Add	40.46	
			For Obscure Glass, Add	44.50	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	257.30	44.62
			For Colored Vinyl, Add	16.80	
			For Tinted Glass, Add	20.16	
			For Low-E Insulated Glass, Add	42.01	
			For Obscure Glass, Add	46.21	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	273.43	47.66
			For Colored Vinyl, Add	17.81	
			For Tinted Glass, Add	21.37	
			For Low-E Insulated Glass, Add	44.53	
			For Obscure Glass, Add	48.98	
08 53 13 00-0146			50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	235.82	40.85
			For Colored Vinyl, Add	15.41	
			For Tinted Glass, Add	18.50	
			For Low-E Insulated Glass, Add	38.53	
			For Obscure Glass, Add	42.39	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	243.76	42.36
			For Colored Vinyl, Add	15.90	
			For Tinted Glass, Add	19.08	
			For Low-E Insulated Glass, Add	39.76	
			For Obscure Glass, Add	43.74	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	247.52	43.11
			For Colored Vinyl, Add	16.13	
			For Tinted Glass, Add	19.35	
			For Low-E Insulated Glass, Add	40.32	
			For Obscure Glass, Add	44.35	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	251.18	43.87
			For Colored Vinyl, Add	16.34	
			For Tinted Glass, Add	19.61	
			For Low-E Insulated Glass, Add	40.86	
			For Obscure Glass, Add	44.94	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	260.53	45.39
			For Colored Vinyl, Add	16.98	
			For Tinted Glass, Add	20.37	
			For Low-E Insulated Glass, Add	42.44	
			For Obscure Glass, Add	46.68	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	277.05	48.41
			For Colored Vinyl, Add	18.02	
			For Tinted Glass, Add	21.63	
			For Low-E Insulated Glass, Add	45.06	
			For Obscure Glass, Add	49.56	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	238.82	41.60
			For Colored Vinyl, Add	15.56	
			For Tinted Glass, Add	18.67	
			For Low-E Insulated Glass, Add	38.90	
			For Obscure Glass, Add	42.79	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	246.75	43.11
			For Colored Vinyl, Add	16.05	
			For Tinted Glass, Add	19.26	
			For Low-E Insulated Glass, Add	40.13	
			For Obscure Glass, Add	44.14	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0156 EA 30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	250.61	43.87
For Colored Vinyl, Add	16.29	
For Tinted Glass, Add	19.54	
For Low-E Insulated Glass, Add	40.72	
For Obscure Glass, Add	44.79	
08 53 13 00-0157 EA 32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	254.27	44.62
For Colored Vinyl, Add	16.50	
For Tinted Glass, Add	19.80	
For Low-E Insulated Glass, Add	41.25	
For Obscure Glass, Add	45.38	
08 53 13 00-0158 EA 36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	263.99	46.14
For Colored Vinyl, Add	17.17	
For Tinted Glass, Add	20.61	
For Low-E Insulated Glass, Add	42.93	
For Obscure Glass, Add	47.22	
08 53 13 00-0159 EA 44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	280.62	49.17
For Colored Vinyl, Add	18.23	
For Tinted Glass, Add	21.87	
For Low-E Insulated Glass, Add	45.57	
For Obscure Glass, Add	50.13	
08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161 EA 24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.82	42.36
For Colored Vinyl, Add	15.71	
For Tinted Glass, Add	18.85	
For Low-E Insulated Glass, Add	39.28	
For Obscure Glass, Add	43.20	
08 53 13 00-0162 EA 28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	249.76	43.87
For Colored Vinyl, Add	16.20	
For Tinted Glass, Add	19.44	
For Low-E Insulated Glass, Add	40.50	
For Obscure Glass, Add	44.55	
08 53 13 00-0163 EA 30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	253.74	44.62
For Colored Vinyl, Add	16.45	
For Tinted Glass, Add	19.74	
For Low-E Insulated Glass, Add	41.12	
For Obscure Glass, Add	45.23	
08 53 13 00-0164 EA 32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	257.39	45.39
For Colored Vinyl, Add	16.66	
For Tinted Glass, Add	19.99	
For Low-E Insulated Glass, Add	41.66	
For Obscure Glass, Add	45.82	
08 53 13 00-0165 EA 36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	267.45	46.90
For Colored Vinyl, Add	17.37	
For Tinted Glass, Add	20.84	
For Low-E Insulated Glass, Add	43.41	
For Obscure Glass, Add	47.75	
08 53 13 00-0166 EA 44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	284.20	49.92
For Colored Vinyl, Add	18.44	
For Tinted Glass, Add	22.12	
For Low-E Insulated Glass, Add	46.09	
For Obscure Glass, Add	50.70	
08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168 EA 24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	250.83	44.62
For Colored Vinyl, Add	16.16	
For Tinted Glass, Add	19.39	
For Low-E Insulated Glass, Add	40.39	
For Obscure Glass, Add	44.43	
08 53 13 00-0169 EA 28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	258.75	46.14
For Colored Vinyl, Add	16.65	
For Tinted Glass, Add	19.98	
For Low-E Insulated Glass, Add	41.62	
For Obscure Glass, Add	45.78	
08 53 13 00-0170 EA 30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	263.56	46.90
For Colored Vinyl, Add	16.98	
For Tinted Glass, Add	20.37	
For Low-E Insulated Glass, Add	42.44	
For Obscure Glass, Add	46.68	
08 53 13 00-0171 EA 32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	267.21	47.66
For Colored Vinyl, Add	17.19	
For Tinted Glass, Add	20.63	
For Low-E Insulated Glass, Add	42.98	
For Obscure Glass, Add	47.27	
08 53 13 00-0172 EA 36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	277.79	49.17
For Colored Vinyl, Add	17.95	
For Tinted Glass, Add	21.54	
For Low-E Insulated Glass, Add	44.87	
For Obscure Glass, Add	49.35	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0173 EA 44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	294.98	52.20
For Colored Vinyl, Add	19.06	
For Tinted Glass, Add	22.87	
For Low-E Insulated Glass, Add	47.65	
For Obscure Glass, Add	52.42	
08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0175 EA 24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	253.81	45.39
For Colored Vinyl, Add	16.30	
For Tinted Glass, Add	19.56	
For Low-E Insulated Glass, Add	40.76	
For Obscure Glass, Add	44.84	
08 53 13 00-0176 EA 28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	261.75	46.90
For Colored Vinyl, Add	16.80	
For Tinted Glass, Add	20.15	
For Low-E Insulated Glass, Add	41.99	
For Obscure Glass, Add	46.19	
08 53 13 00-0177 EA 30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	266.88	47.66
For Colored Vinyl, Add	17.16	
For Tinted Glass, Add	20.59	
For Low-E Insulated Glass, Add	42.89	
For Obscure Glass, Add	47.18	
08 53 13 00-0178 EA 32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	270.53	48.41
For Colored Vinyl, Add	17.37	
For Tinted Glass, Add	20.85	
For Low-E Insulated Glass, Add	43.43	
For Obscure Glass, Add	47.77	
08 53 13 00-0179 EA 36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	281.22	49.92
For Colored Vinyl, Add	18.14	
For Tinted Glass, Add	21.77	
For Low-E Insulated Glass, Add	45.35	
For Obscure Glass, Add	49.88	
08 53 13 00-0180 EA 44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	298.85	52.95
For Colored Vinyl, Add	19.30	
For Tinted Glass, Add	23.15	
For Low-E Insulated Glass, Add	48.24	
For Obscure Glass, Add	53.06	
08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0182 EA 24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	260.30	46.90
For Colored Vinyl, Add	16.65	
For Tinted Glass, Add	19.98	
For Low-E Insulated Glass, Add	41.63	
For Obscure Glass, Add	45.79	
08 53 13 00-0183 EA 28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	268.22	48.41
For Colored Vinyl, Add	17.14	
For Tinted Glass, Add	20.57	
For Low-E Insulated Glass, Add	42.85	
For Obscure Glass, Add	47.14	
08 53 13 00-0184 EA 30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	273.53	49.17
For Colored Vinyl, Add	17.52	
For Tinted Glass, Add	21.02	
For Low-E Insulated Glass, Add	43.80	
For Obscure Glass, Add	48.18	
08 53 13 00-0185 EA 32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	277.18	49.92
For Colored Vinyl, Add	17.73	
For Tinted Glass, Add	21.28	
For Low-E Insulated Glass, Add	44.34	
For Obscure Glass, Add	48.77	
08 53 13 00-0186 EA 36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	288.14	51.43
For Colored Vinyl, Add	18.53	
For Tinted Glass, Add	22.23	
For Low-E Insulated Glass, Add	46.32	
For Obscure Glass, Add	50.95	
08 53 13 00-0187 EA 44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	306.36	54.46
For Colored Vinyl, Add	19.74	
For Tinted Glass, Add	23.69	
For Low-E Insulated Glass, Add	49.36	
For Obscure Glass, Add	54.29	
08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0189 EA 24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	270.01	49.17
For Colored Vinyl, Add	17.17	
For Tinted Glass, Add	20.60	
For Low-E Insulated Glass, Add	42.92	
For Obscure Glass, Add	47.21	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	277.94	50.68
			For Colored Vinyl, Add	17.66	
			For Tinted Glass, Add	21.19	
			For Low-E Insulated Glass, Add	44.15	
			For Obscure Glass, Add	48.56	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	283.25	51.43
			For Colored Vinyl, Add	18.04	
			For Tinted Glass, Add	21.65	
			For Low-E Insulated Glass, Add	45.10	
			For Obscure Glass, Add	49.60	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	286.90	52.20
			For Colored Vinyl, Add	18.25	
			For Tinted Glass, Add	21.90	
			For Low-E Insulated Glass, Add	45.63	
			For Obscure Glass, Add	50.19	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	297.86	53.71
			For Colored Vinyl, Add	19.05	
			For Tinted Glass, Add	22.85	
			For Low-E Insulated Glass, Add	47.61	
			For Obscure Glass, Add	52.37	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	316.07	56.73
			For Colored Vinyl, Add	20.26	
			For Tinted Glass, Add	24.31	
			For Low-E Insulated Glass, Add	50.65	
			For Obscure Glass, Add	55.72	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	255.91	39.71
			For Colored Vinyl, Add	17.65	
			For Tinted Glass, Add	21.18	
			For Low-E Insulated Glass, Add	44.12	
			For Obscure Glass, Add	48.53	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	281.92	43.50
			For Colored Vinyl, Add	19.49	
			For Tinted Glass, Add	23.39	
			For Low-E Insulated Glass, Add	48.73	
			For Obscure Glass, Add	53.61	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	306.55	47.27
			For Colored Vinyl, Add	21.20	
			For Tinted Glass, Add	25.44	
			For Low-E Insulated Glass, Add	53.00	
			For Obscure Glass, Add	58.30	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	325.37	51.06
			For Colored Vinyl, Add	22.33	
			For Tinted Glass, Add	26.79	
			For Low-E Insulated Glass, Add	55.81	
			For Obscure Glass, Add	61.39	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	345.22	54.84
			For Colored Vinyl, Add	23.55	
			For Tinted Glass, Add	28.26	
			For Low-E Insulated Glass, Add	58.89	
			For Obscure Glass, Add	64.77	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	374.21	58.62
			For Colored Vinyl, Add	25.70	
			For Tinted Glass, Add	30.84	
			For Low-E Insulated Glass, Add	64.24	
			For Obscure Glass, Add	70.66	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	3.13	0.49
			For Colored Vinyl, Add	0.21	
			For Tinted Glass, Add	0.26	
			For Low-E Insulated Glass, Add	0.54	
			For Obscure Glass, Add	0.59	
08 53 13 00-0203			Casement Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0203)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	189.71	28.74
			For Colored Vinyl, Add	13.30	
			For Tinted Glass, Add	15.96	
			For Low-E Insulated Glass, Add	33.25	
			For Obscure Glass, Add	36.57	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	196.47	29.50
			<i>For Colored Vinyl, Add</i>	13.75	
			<i>For Tinted Glass, Add</i>	16.50	
			<i>For Low-E Insulated Glass, Add</i>	34.37	
			<i>For Obscure Glass, Add</i>	37.80	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	203.99	31.01
			<i>For Colored Vinyl, Add</i>	14.20	
			<i>For Tinted Glass, Add</i>	17.04	
			<i>For Low-E Insulated Glass, Add</i>	35.49	
			<i>For Obscure Glass, Add</i>	39.04	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	216.45	32.53
			<i>For Colored Vinyl, Add</i>	15.14	
			<i>For Tinted Glass, Add</i>	18.17	
			<i>For Low-E Insulated Glass, Add</i>	37.85	
			<i>For Obscure Glass, Add</i>	41.64	
08 53 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	201.10	30.25
			<i>For Colored Vinyl, Add</i>	14.13	
			<i>For Tinted Glass, Add</i>	16.96	
			<i>For Low-E Insulated Glass, Add</i>	35.34	
			<i>For Obscure Glass, Add</i>	38.87	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	208.37	31.01
			<i>For Colored Vinyl, Add</i>	14.63	
			<i>For Tinted Glass, Add</i>	17.56	
			<i>For Low-E Insulated Glass, Add</i>	36.59	
			<i>For Obscure Glass, Add</i>	40.24	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	216.38	32.53
			<i>For Colored Vinyl, Add</i>	15.13	
			<i>For Tinted Glass, Add</i>	18.16	
			<i>For Low-E Insulated Glass, Add</i>	37.83	
			<i>For Obscure Glass, Add</i>	41.62	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	229.45	34.04
			<i>For Colored Vinyl, Add</i>	16.14	
			<i>For Tinted Glass, Add</i>	19.36	
			<i>For Low-E Insulated Glass, Add</i>	40.34	
			<i>For Obscure Glass, Add</i>	44.38	
08 53 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	215.37	32.53
			<i>For Colored Vinyl, Add</i>	15.03	
			<i>For Tinted Glass, Add</i>	18.04	
			<i>For Low-E Insulated Glass, Add</i>	37.58	
			<i>For Obscure Glass, Add</i>	41.34	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	222.89	34.04
			<i>For Colored Vinyl, Add</i>	15.56	
			<i>For Tinted Glass, Add</i>	18.67	
			<i>For Low-E Insulated Glass, Add</i>	38.89	
			<i>For Obscure Glass, Add</i>	42.78	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	231.18	35.18
			<i>For Colored Vinyl, Add</i>	16.08	
			<i>For Tinted Glass, Add</i>	19.30	
			<i>For Low-E Insulated Glass, Add</i>	40.21	
			<i>For Obscure Glass, Add</i>	44.23	
08 53 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	244.74	36.69
			<i>For Colored Vinyl, Add</i>	17.14	
			<i>For Tinted Glass, Add</i>	20.56	
			<i>For Low-E Insulated Glass, Add</i>	42.84	
			<i>For Obscure Glass, Add</i>	47.12	
08 53 13 00-0221			40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	227.81	34.79
			<i>For Colored Vinyl, Add</i>	15.90	
			<i>For Tinted Glass, Add</i>	19.08	
			<i>For Low-E Insulated Glass, Add</i>	39.75	
			<i>For Obscure Glass, Add</i>	43.72	
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	235.69	35.55
			<i>For Colored Vinyl, Add</i>	16.46	
			<i>For Tinted Glass, Add</i>	19.75	
			<i>For Low-E Insulated Glass, Add</i>	41.15	
			<i>For Obscure Glass, Add</i>	45.26	
08 53 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	244.33	37.06
			<i>For Colored Vinyl, Add</i>	17.02	
			<i>For Tinted Glass, Add</i>	20.42	
			<i>For Low-E Insulated Glass, Add</i>	42.55	
			<i>For Obscure Glass, Add</i>	46.81	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	258.87	38.58
			<i>For Colored Vinyl, Add</i>	18.17	
			<i>For Tinted Glass, Add</i>	21.81	
			<i>For Low-E Insulated Glass, Add</i>	45.43	
			<i>For Obscure Glass, Add</i>	49.97	
08 53 13 00-0226			48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	242.62	37.82
			<i>For Colored Vinyl, Add</i>	16.77	
			<i>For Tinted Glass, Add</i>	20.13	
			<i>For Low-E Insulated Glass, Add</i>	41.93	
			<i>For Obscure Glass, Add</i>	46.13	
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	250.79	38.58
			<i>For Colored Vinyl, Add</i>	17.36	
			<i>For Tinted Glass, Add</i>	20.84	
			<i>For Low-E Insulated Glass, Add</i>	43.41	
			<i>For Obscure Glass, Add</i>	47.75	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	259.75	40.09
			<i>For Colored Vinyl, Add</i>	17.96	
			<i>For Tinted Glass, Add</i>	21.55	
			<i>For Low-E Insulated Glass, Add</i>	44.89	
			<i>For Obscure Glass, Add</i>	49.38	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	275.61	41.60
			<i>For Colored Vinyl, Add</i>	19.24	
			<i>For Tinted Glass, Add</i>	23.09	
			<i>For Low-E Insulated Glass, Add</i>	48.10	
			<i>For Obscure Glass, Add</i>	52.91	
08 53 13 00-0231			52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	254.34	39.34
			<i>For Colored Vinyl, Add</i>	17.64	
			<i>For Tinted Glass, Add</i>	21.17	
			<i>For Low-E Insulated Glass, Add</i>	44.11	
			<i>For Obscure Glass, Add</i>	48.52	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	262.94	40.09
			<i>For Colored Vinyl, Add</i>	18.28	
			<i>For Tinted Glass, Add</i>	21.93	
			<i>For Low-E Insulated Glass, Add</i>	45.69	
			<i>For Obscure Glass, Add</i>	50.26	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	272.28	41.60
			<i>For Colored Vinyl, Add</i>	18.91	
			<i>For Tinted Glass, Add</i>	22.69	
			<i>For Low-E Insulated Glass, Add</i>	47.27	
			<i>For Obscure Glass, Add</i>	51.99	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	288.38	43.11
			<i>For Colored Vinyl, Add</i>	20.22	
			<i>For Tinted Glass, Add</i>	24.26	
			<i>For Low-E Insulated Glass, Add</i>	50.54	
			<i>For Obscure Glass, Add</i>	55.59	
08 53 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	268.34	41.60
			<i>For Colored Vinyl, Add</i>	18.51	
			<i>For Tinted Glass, Add</i>	22.22	
			<i>For Low-E Insulated Glass, Add</i>	46.28	
			<i>For Obscure Glass, Add</i>	50.91	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	277.33	43.11
			<i>For Colored Vinyl, Add</i>	19.19	
			<i>For Tinted Glass, Add</i>	23.02	
			<i>For Low-E Insulated Glass, Add</i>	47.97	
			<i>For Obscure Glass, Add</i>	52.76	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	287.09	44.25
			<i>For Colored Vinyl, Add</i>	19.86	
			<i>For Tinted Glass, Add</i>	23.83	
			<i>For Low-E Insulated Glass, Add</i>	49.65	
			<i>For Obscure Glass, Add</i>	54.61	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	303.43	45.76
			<i>For Colored Vinyl, Add</i>	21.19	
			<i>For Tinted Glass, Add</i>	25.43	
			<i>For Low-E Insulated Glass, Add</i>	52.98	
			<i>For Obscure Glass, Add</i>	58.28	
08 53 13 00-0241			64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	280.62	43.87
			<i>For Colored Vinyl, Add</i>	19.36	
			<i>For Tinted Glass, Add</i>	23.24	
			<i>For Low-E Insulated Glass, Add</i>	48.41	
			<i>For Obscure Glass, Add</i>	53.25	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	289.82	44.62
			<i>For Colored Vinyl, Add</i>	20.06	
			<i>For Tinted Glass, Add</i>	24.07	
			<i>For Low-E Insulated Glass, Add</i>	50.14	
			<i>For Obscure Glass, Add</i>	55.15	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	300.13	46.14
			<i>For Colored Vinyl, Add</i>	20.79	
			<i>For Tinted Glass, Add</i>	24.94	
			<i>For Low-E Insulated Glass, Add</i>	51.96	
			<i>For Obscure Glass, Add</i>	57.16	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	316.13	47.66
			<i>For Colored Vinyl, Add</i>	22.08	
			<i>For Tinted Glass, Add</i>	26.50	
			<i>For Low-E Insulated Glass, Add</i>	55.21	
			<i>For Obscure Glass, Add</i>	60.73	
08 53 13 00-0246			72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	295.95	46.14
			<i>For Colored Vinyl, Add</i>	20.37	
			<i>For Tinted Glass, Add</i>	24.44	
			<i>For Low-E Insulated Glass, Add</i>	50.92	
			<i>For Obscure Glass, Add</i>	56.01	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	305.60	47.66
			<i>For Colored Vinyl, Add</i>	21.10	
			<i>For Tinted Glass, Add</i>	25.32	
			<i>For Low-E Insulated Glass, Add</i>	52.76	
			<i>For Obscure Glass, Add</i>	58.04	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	315.51	48.79
			<i>For Colored Vinyl, Add</i>	21.79	
			<i>For Tinted Glass, Add</i>	26.15	
			<i>For Low-E Insulated Glass, Add</i>	54.48	
			<i>For Obscure Glass, Add</i>	59.93	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	331.33	50.30
			<i>For Colored Vinyl, Add</i>	23.07	
			<i>For Tinted Glass, Add</i>	27.69	
			<i>For Low-E Insulated Glass, Add</i>	57.68	
			<i>For Obscure Glass, Add</i>	63.45	
08 53 13 00-0251			Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252			36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	365.87	38.58
			<i>For Colored Vinyl, Add</i>	28.87	
			<i>For Tinted Glass, Add</i>	34.65	
			<i>For Low-E Insulated Glass, Add</i>	72.18	
			<i>For Obscure Glass, Add</i>	79.40	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	380.23	41.60
			<i>For Colored Vinyl, Add</i>	29.78	
			<i>For Tinted Glass, Add</i>	35.73	
			<i>For Low-E Insulated Glass, Add</i>	74.45	
			<i>For Obscure Glass, Add</i>	81.89	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	395.36	44.62
			<i>For Colored Vinyl, Add</i>	30.69	
			<i>For Tinted Glass, Add</i>	36.82	
			<i>For Low-E Insulated Glass, Add</i>	76.72	
			<i>For Obscure Glass, Add</i>	84.39	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	412.18	47.27
			<i>For Colored Vinyl, Add</i>	31.76	
			<i>For Tinted Glass, Add</i>	38.11	
			<i>For Low-E Insulated Glass, Add</i>	79.41	
			<i>For Obscure Glass, Add</i>	87.35	
08 53 13 00-0257			40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	387.12	40.46
			<i>For Colored Vinyl, Add</i>	30.62	
			<i>For Tinted Glass, Add</i>	36.74	
			<i>For Low-E Insulated Glass, Add</i>	76.55	
			<i>For Obscure Glass, Add</i>	84.20	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	402.22	43.11
			<i>For Colored Vinyl, Add</i>	31.60	
			<i>For Tinted Glass, Add</i>	37.92	
			<i>For Low-E Insulated Glass, Add</i>	79.00	
			<i>For Obscure Glass, Add</i>	86.90	
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	418.09	46.14
			<i>For Colored Vinyl, Add</i>	32.58	
			<i>For Tinted Glass, Add</i>	39.10	
			<i>For Low-E Insulated Glass, Add</i>	81.45	
			<i>For Obscure Glass, Add</i>	89.60	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	434.45	49.17
			<i>For Colored Vinyl, Add</i>	33.61	
			<i>For Tinted Glass, Add</i>	40.33	
			<i>For Low-E Insulated Glass, Add</i>	84.03	
			<i>For Obscure Glass, Add</i>	92.43	
08 53 13 00-0262			48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	410.98	43.50
			<i>For Colored Vinyl, Add</i>	32.40	
			<i>For Tinted Glass, Add</i>	38.88	
			<i>For Low-E Insulated Glass, Add</i>	81.00	
			<i>For Obscure Glass, Add</i>	89.10	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	426.61	46.14
			<i>For Colored Vinyl, Add</i>	33.43	
			<i>For Tinted Glass, Add</i>	40.12	
			<i>For Low-E Insulated Glass, Add</i>	83.58	
			<i>For Obscure Glass, Add</i>	91.94	
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	443.03	49.17
			<i>For Colored Vinyl, Add</i>	34.47	
			<i>For Tinted Glass, Add</i>	41.36	
			<i>For Low-E Insulated Glass, Add</i>	86.18	
			<i>For Obscure Glass, Add</i>	94.79	
08 53 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	460.64	52.20
			<i>For Colored Vinyl, Add</i>	35.63	
			<i>For Tinted Glass, Add</i>	42.75	
			<i>For Low-E Insulated Glass, Add</i>	89.07	
			<i>For Obscure Glass, Add</i>	97.97	
08 53 13 00-0267			52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	431.76	45.01
			<i>For Colored Vinyl, Add</i>	34.18	
			<i>For Tinted Glass, Add</i>	41.01	
			<i>For Low-E Insulated Glass, Add</i>	85.44	
			<i>For Obscure Glass, Add</i>	93.98	
08 53 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	448.13	47.66
			<i>For Colored Vinyl, Add</i>	35.28	
			<i>For Tinted Glass, Add</i>	42.34	
			<i>For Low-E Insulated Glass, Add</i>	88.21	
			<i>For Obscure Glass, Add</i>	97.03	
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	465.24	50.68
			<i>For Colored Vinyl, Add</i>	36.39	
			<i>For Tinted Glass, Add</i>	43.67	
			<i>For Low-E Insulated Glass, Add</i>	90.97	
			<i>For Obscure Glass, Add</i>	100.07	
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	483.11	53.71
			<i>For Colored Vinyl, Add</i>	37.57	
			<i>For Tinted Glass, Add</i>	45.08	
			<i>For Low-E Insulated Glass, Add</i>	93.93	
			<i>For Obscure Glass, Add</i>	103.32	
08 53 13 00-0272			60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	454.83	47.66
			<i>For Colored Vinyl, Add</i>	35.95	
			<i>For Tinted Glass, Add</i>	43.14	
			<i>For Low-E Insulated Glass, Add</i>	89.88	
			<i>For Obscure Glass, Add</i>	98.87	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	471.91	50.68
			<i>For Colored Vinyl, Add</i>	37.13	
			<i>For Tinted Glass, Add</i>	44.56	
			<i>For Low-E Insulated Glass, Add</i>	92.83	
			<i>For Obscure Glass, Add</i>	102.11	
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	489.72	53.71
			<i>For Colored Vinyl, Add</i>	38.31	
			<i>For Tinted Glass, Add</i>	45.97	
			<i>For Low-E Insulated Glass, Add</i>	95.77	
			<i>For Obscure Glass, Add</i>	105.34	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0276 EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	507.82	56.36
For Colored Vinyl, Add	39.51	
For Tinted Glass, Add	47.41	
For Low-E Insulated Glass, Add	98.78	
For Obscure Glass, Add	108.66	
08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0278 EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	476.96	49.55
For Colored Vinyl, Add	37.79	
For Tinted Glass, Add	45.34	
For Low-E Insulated Glass, Add	94.47	
For Obscure Glass, Add	103.91	
08 53 13 00-0279 EA 40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	494.03	52.20
For Colored Vinyl, Add	38.97	
For Tinted Glass, Add	46.76	
For Low-E Insulated Glass, Add	97.41	
For Obscure Glass, Add	107.15	
08 53 13 00-0280 EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	511.80	55.22
For Colored Vinyl, Add	40.14	
For Tinted Glass, Add	48.16	
For Low-E Insulated Glass, Add	100.34	
For Obscure Glass, Add	110.37	
08 53 13 00-0281 EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	529.96	58.24
For Colored Vinyl, Add	41.35	
For Tinted Glass, Add	49.62	
For Low-E Insulated Glass, Add	103.37	
For Obscure Glass, Add	113.70	
08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0283 EA 33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	501.78	52.20
For Colored Vinyl, Add	39.74	
For Tinted Glass, Add	47.69	
For Low-E Insulated Glass, Add	99.35	
For Obscure Glass, Add	109.29	
08 53 13 00-0284 EA 40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	518.86	55.22
For Colored Vinyl, Add	40.92	
For Tinted Glass, Add	49.10	
For Low-E Insulated Glass, Add	102.30	
For Obscure Glass, Add	112.52	
08 53 13 00-0285 EA 48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	536.70	58.24
For Colored Vinyl, Add	42.10	
For Tinted Glass, Add	50.52	
For Low-E Insulated Glass, Add	105.24	
For Obscure Glass, Add	115.77	
08 53 13 00-0286 EA 56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	554.80	60.89
For Colored Vinyl, Add	43.30	
For Tinted Glass, Add	51.96	
For Low-E Insulated Glass, Add	108.25	
For Obscure Glass, Add	119.08	
08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0289 EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	452.86	49.17
For Colored Vinyl, Add	35.45	
For Tinted Glass, Add	42.54	
For Low-E Insulated Glass, Add	88.63	
For Obscure Glass, Add	97.50	
08 53 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	475.37	52.95
For Colored Vinyl, Add	36.95	
For Tinted Glass, Add	44.34	
For Low-E Insulated Glass, Add	92.37	
For Obscure Glass, Add	101.60	
08 53 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	514.82	58.62
For Colored Vinyl, Add	39.76	
For Tinted Glass, Add	47.71	
For Low-E Insulated Glass, Add	99.39	
For Obscure Glass, Add	109.33	
08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	481.56	51.43
			<i>For Colored Vinyl, Add</i>	37.94	
			<i>For Tinted Glass, Add</i>	45.53	
			<i>For Low-E Insulated Glass, Add</i>	94.86	
			<i>For Obscure Glass, Add</i>	104.35	
08 53 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	504.21	54.84
			<i>For Colored Vinyl, Add</i>	39.45	
			<i>For Tinted Glass, Add</i>	47.34	
			<i>For Low-E Insulated Glass, Add</i>	98.63	
			<i>For Obscure Glass, Add</i>	108.50	
08 53 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	545.66	60.52
			<i>For Colored Vinyl, Add</i>	42.46	
			<i>For Tinted Glass, Add</i>	50.96	
			<i>For Low-E Insulated Glass, Add</i>	106.16	
			<i>For Obscure Glass, Add</i>	116.78	
08 53 13 00-0296			48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297	EA		62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	509.71	54.46
			<i>For Colored Vinyl, Add</i>	40.08	
			<i>For Tinted Glass, Add</i>	48.09	
			<i>For Low-E Insulated Glass, Add</i>	100.20	
			<i>For Obscure Glass, Add</i>	110.21	
08 53 13 00-0298	EA		72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	535.68	57.87
			<i>For Colored Vinyl, Add</i>	42.00	
			<i>For Tinted Glass, Add</i>	50.39	
			<i>For Low-E Insulated Glass, Add</i>	104.99	
			<i>For Obscure Glass, Add</i>	115.49	
08 53 13 00-0299	EA		86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	578.86	63.54
			<i>For Colored Vinyl, Add</i>	45.18	
			<i>For Tinted Glass, Add</i>	54.21	
			<i>For Low-E Insulated Glass, Add</i>	112.95	
			<i>For Obscure Glass, Add</i>	124.24	
08 53 13 00-0300			52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301	EA		62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	536.79	55.97
			<i>For Colored Vinyl, Add</i>	42.48	
			<i>For Tinted Glass, Add</i>	50.98	
			<i>For Low-E Insulated Glass, Add</i>	106.21	
			<i>For Obscure Glass, Add</i>	116.83	
08 53 13 00-0302	EA		72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	564.56	59.76
			<i>For Colored Vinyl, Add</i>	44.51	
			<i>For Tinted Glass, Add</i>	53.41	
			<i>For Low-E Insulated Glass, Add</i>	111.26	
			<i>For Obscure Glass, Add</i>	122.39	
08 53 13 00-0303	EA		86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	613.04	65.05
			<i>For Colored Vinyl, Add</i>	48.29	
			<i>For Tinted Glass, Add</i>	57.95	
			<i>For Low-E Insulated Glass, Add</i>	120.73	
			<i>For Obscure Glass, Add</i>	132.81	
08 53 13 00-0304			60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305	EA		62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	566.12	58.62
			<i>For Colored Vinyl, Add</i>	44.89	
			<i>For Tinted Glass, Add</i>	53.86	
			<i>For Low-E Insulated Glass, Add</i>	112.22	
			<i>For Obscure Glass, Add</i>	123.44	
08 53 13 00-0306	EA		72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	594.94	62.40
			<i>For Colored Vinyl, Add</i>	47.01	
			<i>For Tinted Glass, Add</i>	56.42	
			<i>For Low-E Insulated Glass, Add</i>	117.53	
			<i>For Obscure Glass, Add</i>	129.29	
08 53 13 00-0307	EA		86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	649.47	67.70
			<i>For Colored Vinyl, Add</i>	51.41	
			<i>For Tinted Glass, Add</i>	61.69	
			<i>For Low-E Insulated Glass, Add</i>	128.52	
			<i>For Obscure Glass, Add</i>	141.37	
08 53 13 00-0308			64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	597.05	60.52
			<i>For Colored Vinyl, Add</i>	47.60	
			<i>For Tinted Glass, Add</i>	57.12	
			<i>For Low-E Insulated Glass, Add</i>	119.01	
			<i>For Obscure Glass, Add</i>	130.91	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0310 EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	625.87	64.29
For Colored Vinyl, Add	49.73	
For Tinted Glass, Add	59.67	
For Low-E Insulated Glass, Add	124.32	
For Obscure Glass, Add	136.75	
08 53 13 00-0311 EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	680.39	69.59
For Colored Vinyl, Add	54.12	
For Tinted Glass, Add	64.95	
For Low-E Insulated Glass, Add	135.30	
For Obscure Glass, Add	148.83	
08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313 EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	629.57	63.16
For Colored Vinyl, Add	50.33	
For Tinted Glass, Add	60.39	
For Low-E Insulated Glass, Add	125.81	
For Obscure Glass, Add	138.39	
08 53 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	658.38	66.94
For Colored Vinyl, Add	52.45	
For Tinted Glass, Add	62.94	
For Low-E Insulated Glass, Add	131.13	
For Obscure Glass, Add	144.24	
08 53 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	712.91	72.24
For Colored Vinyl, Add	56.84	
For Tinted Glass, Add	68.21	
For Low-E Insulated Glass, Add	142.11	
For Obscure Glass, Add	156.32	
08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318 EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	240.02	32.15
For Colored Vinyl, Add	17.57	
For Tinted Glass, Add	21.09	
For Low-E Insulated Glass, Add	43.93	
For Obscure Glass, Add	48.33	
08 53 13 00-0319 EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	272.04	35.93
For Colored Vinyl, Add	20.02	
For Tinted Glass, Add	24.02	
For Low-E Insulated Glass, Add	50.05	
For Obscure Glass, Add	55.05	
08 53 13 00-0320 EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	301.29	39.71
For Colored Vinyl, Add	22.19	
For Tinted Glass, Add	26.62	
For Low-E Insulated Glass, Add	55.47	
For Obscure Glass, Add	61.01	
08 53 13 00-0321 EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	327.78	43.50
For Colored Vinyl, Add	24.08	
For Tinted Glass, Add	28.89	
For Low-E Insulated Glass, Add	60.20	
For Obscure Glass, Add	66.22	
08 53 13 00-0322 EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	351.52	47.27
For Colored Vinyl, Add	25.70	
For Tinted Glass, Add	30.84	
For Low-E Insulated Glass, Add	64.24	
For Obscure Glass, Add	70.66	
08 53 13 00-0323 EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	367.23	51.06
For Colored Vinyl, Add	26.51	
For Tinted Glass, Add	31.81	
For Low-E Insulated Glass, Add	66.28	
For Obscure Glass, Add	72.91	
08 53 13 00-0324 UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	3.61	0.49
For Colored Vinyl, Add	0.26	
For Tinted Glass, Add	0.31	
For Low-E Insulated Glass, Add	0.66	
For Obscure Glass, Add	0.72	
08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326 EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	387.01	39.71
For Colored Vinyl, Add	30.76	
For Tinted Glass, Add	36.91	
For Low-E Insulated Glass, Add	76.90	
For Obscure Glass, Add	84.59	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0327 EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	425.25	43.50
For Colored Vinyl, Add	33.83	
For Tinted Glass, Add	40.59	
For Low-E Insulated Glass, Add	84.57	
For Obscure Glass, Add	93.02	
08 53 13 00-0328 EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	460.72	47.27
For Colored Vinyl, Add	36.62	
For Tinted Glass, Add	43.94	
For Low-E Insulated Glass, Add	91.54	
For Obscure Glass, Add	100.69	
08 53 13 00-0329 EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	485.83	51.06
For Colored Vinyl, Add	38.37	
For Tinted Glass, Add	46.05	
For Low-E Insulated Glass, Add	95.93	
For Obscure Glass, Add	105.52	
08 53 13 00-0330 EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	512.38	54.84
For Colored Vinyl, Add	40.27	
For Tinted Glass, Add	48.32	
For Low-E Insulated Glass, Add	100.68	
For Obscure Glass, Add	110.74	
08 53 13 00-0331 EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	539.99	58.62
For Colored Vinyl, Add	42.27	
For Tinted Glass, Add	50.73	
For Low-E Insulated Glass, Add	105.69	
For Obscure Glass, Add	116.25	
08 53 13 00-0332 UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.51	0.49
For Colored Vinyl, Add	0.35	
For Tinted Glass, Add	0.42	
For Low-E Insulated Glass, Add	0.88	
For Obscure Glass, Add	0.97	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0334 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	402.14	39.71
For Colored Vinyl, Add	32.27	
For Tinted Glass, Add	38.73	
For Low-E Insulated Glass, Add	80.68	
For Obscure Glass, Add	88.75	
08 53 13 00-0335 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	442.03	43.50
For Colored Vinyl, Add	35.50	
For Tinted Glass, Add	42.60	
For Low-E Insulated Glass, Add	88.76	
For Obscure Glass, Add	97.64	
08 53 13 00-0336 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	480.00	47.27
For Colored Vinyl, Add	38.54	
For Tinted Glass, Add	46.25	
For Low-E Insulated Glass, Add	96.36	
For Obscure Glass, Add	106.00	
08 53 13 00-0337 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	506.76	51.06
For Colored Vinyl, Add	40.46	
For Tinted Glass, Add	48.56	
For Low-E Insulated Glass, Add	101.16	
For Obscure Glass, Add	111.28	
08 53 13 00-0338 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	535.18	54.84
For Colored Vinyl, Add	42.55	
For Tinted Glass, Add	51.06	
For Low-E Insulated Glass, Add	106.38	
For Obscure Glass, Add	117.01	
08 53 13 00-0339 EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	564.85	58.62
For Colored Vinyl, Add	44.76	
For Tinted Glass, Add	53.71	
For Low-E Insulated Glass, Add	111.90	
For Obscure Glass, Add	123.09	
08 53 13 00-0340 UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.72	0.49
For Colored Vinyl, Add	0.37	
For Tinted Glass, Add	0.45	
For Low-E Insulated Glass, Add	0.93	
For Obscure Glass, Add	1.03	
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)		
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	240.48	31.01
			For Colored Vinyl, Add	17.85	
			For Tinted Glass, Add	21.41	
			For Low-E Insulated Glass, Add	44.61	
			For Obscure Glass, Add	49.07	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	251.79	32.53
			For Colored Vinyl, Add	18.67	
			For Tinted Glass, Add	22.41	
			For Low-E Insulated Glass, Add	46.69	
			For Obscure Glass, Add	51.35	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	269.52	35.18
			For Colored Vinyl, Add	19.92	
			For Tinted Glass, Add	23.90	
			For Low-E Insulated Glass, Add	49.79	
			For Obscure Glass, Add	54.77	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	281.12	37.06
			For Colored Vinyl, Add	20.70	
			For Tinted Glass, Add	24.84	
			For Low-E Insulated Glass, Add	51.75	
			For Obscure Glass, Add	56.92	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	300.07	40.09
			For Colored Vinyl, Add	21.99	
			For Tinted Glass, Add	26.39	
			For Low-E Insulated Glass, Add	54.97	
			For Obscure Glass, Add	60.47	
08 53 13 00-0350			20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	253.10	32.53
			For Colored Vinyl, Add	18.88	
			For Tinted Glass, Add	22.66	
			For Low-E Insulated Glass, Add	47.20	
			For Obscure Glass, Add	51.92	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	264.42	34.04
			For Colored Vinyl, Add	19.71	
			For Tinted Glass, Add	23.65	
			For Low-E Insulated Glass, Add	49.28	
			For Obscure Glass, Add	54.20	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	283.29	36.31
			For Colored Vinyl, Add	21.07	
			For Tinted Glass, Add	25.28	
			For Low-E Insulated Glass, Add	52.67	
			For Obscure Glass, Add	57.94	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	294.91	38.58
			For Colored Vinyl, Add	21.85	
			For Tinted Glass, Add	26.22	
			For Low-E Insulated Glass, Add	54.63	
			For Obscure Glass, Add	60.09	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	315.00	41.22
			For Colored Vinyl, Add	23.26	
			For Tinted Glass, Add	27.91	
			For Low-E Insulated Glass, Add	58.14	
			For Obscure Glass, Add	63.95	
08 53 13 00-0356			24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	261.88	34.04
			For Colored Vinyl, Add	19.46	
			For Tinted Glass, Add	23.35	
			For Low-E Insulated Glass, Add	48.64	
			For Obscure Glass, Add	53.50	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	273.19	35.55
			For Colored Vinyl, Add	20.28	
			For Tinted Glass, Add	24.34	
			For Low-E Insulated Glass, Add	50.71	
			For Obscure Glass, Add	55.78	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	292.64	37.82
			For Colored Vinyl, Add	21.70	
			For Tinted Glass, Add	26.04	
			For Low-E Insulated Glass, Add	54.25	
			For Obscure Glass, Add	59.68	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	305.18	40.09
			For Colored Vinyl, Add	22.58	
			For Tinted Glass, Add	27.09	
			For Low-E Insulated Glass, Add	56.44	
			For Obscure Glass, Add	62.08	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	325.50	42.74
			For Colored Vinyl, Add	24.00	
			For Tinted Glass, Add	28.80	
			For Low-E Insulated Glass, Add	60.01	
			For Obscure Glass, Add	66.01	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363 EA 24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	270.67	35.55
For Colored Vinyl, Add	20.03	
For Tinted Glass, Add	24.04	
For Low-E Insulated Glass, Add	50.08	
For Obscure Glass, Add	55.09	
08 53 13 00-0364 EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	281.98	37.06
For Colored Vinyl, Add	20.86	
For Tinted Glass, Add	25.03	
For Low-E Insulated Glass, Add	52.15	
For Obscure Glass, Add	57.37	
08 53 13 00-0365 EA 36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	302.01	39.34
For Colored Vinyl, Add	22.34	
For Tinted Glass, Add	26.80	
For Low-E Insulated Glass, Add	55.84	
For Obscure Glass, Add	61.42	
08 53 13 00-0366 EA 40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	315.41	41.60
For Colored Vinyl, Add	23.30	
For Tinted Glass, Add	27.96	
For Low-E Insulated Glass, Add	58.24	
For Obscure Glass, Add	64.06	
08 53 13 00-0367 EA 48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	336.02	44.25
For Colored Vinyl, Add	24.75	
For Tinted Glass, Add	29.70	
For Low-E Insulated Glass, Add	61.88	
For Obscure Glass, Add	68.07	
08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369 EA 36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	319.96	41.99
For Colored Vinyl, Add	23.60	
For Tinted Glass, Add	28.32	
For Low-E Insulated Glass, Add	59.00	
For Obscure Glass, Add	64.90	
08 53 13 00-0370 EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	333.38	43.87
For Colored Vinyl, Add	24.56	
For Tinted Glass, Add	29.48	
For Low-E Insulated Glass, Add	61.41	
For Obscure Glass, Add	67.55	
08 53 13 00-0371 EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	355.14	46.90
For Colored Vinyl, Add	26.13	
For Tinted Glass, Add	31.36	
For Low-E Insulated Glass, Add	65.34	
For Obscure Glass, Add	71.87	
08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373 EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	251.00	32.15
For Colored Vinyl, Add	18.67	
For Tinted Glass, Add	22.41	
For Low-E Insulated Glass, Add	46.68	
For Obscure Glass, Add	51.35	
08 53 13 00-0374 EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	289.44	35.93
For Colored Vinyl, Add	21.76	
For Tinted Glass, Add	26.11	
For Low-E Insulated Glass, Add	54.40	
For Obscure Glass, Add	59.83	
08 53 13 00-0375 EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	326.50	39.71
For Colored Vinyl, Add	24.71	
For Tinted Glass, Add	29.65	
For Low-E Insulated Glass, Add	61.77	
For Obscure Glass, Add	67.95	
08 53 13 00-0376 EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	362.18	43.50
For Colored Vinyl, Add	27.52	
For Tinted Glass, Add	33.02	
For Low-E Insulated Glass, Add	68.80	
For Obscure Glass, Add	75.68	
08 53 13 00-0377 EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	396.48	47.27
For Colored Vinyl, Add	30.19	
For Tinted Glass, Add	36.23	
For Low-E Insulated Glass, Add	75.48	
For Obscure Glass, Add	83.03	
08 53 13 00-0378 EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	416.06	51.06
For Colored Vinyl, Add	31.39	
For Tinted Glass, Add	37.67	
For Low-E Insulated Glass, Add	78.49	
For Obscure Glass, Add	86.33	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0379 UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	4.10	0.49
For Colored Vinyl, Add	0.31	
For Tinted Glass, Add	0.37	
For Low-E Insulated Glass, Add	0.78	
For Obscure Glass, Add	0.86	
08 53 13 00-0380 Horizontal Sliding Vinyl Windows (08 53 13)		
08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13		
00-0380)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		
08 53 13 00-0383 EA 36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	156.78	37.06
For Colored Vinyl, Add	8.34	
For Tinted Glass, Add	10.01	
For Low-E Insulated Glass, Add	20.85	
For Obscure Glass, Add	22.94	
08 53 13 00-0384 EA 48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	174.03	41.60
For Colored Vinyl, Add	9.16	
For Tinted Glass, Add	10.99	
For Low-E Insulated Glass, Add	22.90	
For Obscure Glass, Add	25.18	
08 53 13 00-0385 EA 54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	182.66	43.50
For Colored Vinyl, Add	9.57	
For Tinted Glass, Add	11.48	
For Low-E Insulated Glass, Add	23.92	
For Obscure Glass, Add	26.31	
08 53 13 00-0386 EA 60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	191.28	45.76
For Colored Vinyl, Add	9.98	
For Tinted Glass, Add	11.97	
For Low-E Insulated Glass, Add	24.94	
For Obscure Glass, Add	27.43	
08 53 13 00-0387 EA 64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	197.04	47.66
For Colored Vinyl, Add	10.25	
For Tinted Glass, Add	12.30	
For Low-E Insulated Glass, Add	25.62	
For Obscure Glass, Add	28.18	
08 53 13 00-0388 EA 72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	208.55	50.30
For Colored Vinyl, Add	10.79	
For Tinted Glass, Add	12.95	
For Low-E Insulated Glass, Add	26.99	
For Obscure Glass, Add	29.68	
08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		
08 53 13 00-0390 EA 36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	164.40	38.58
For Colored Vinyl, Add	8.80	
For Tinted Glass, Add	10.56	
For Low-E Insulated Glass, Add	22.00	
For Obscure Glass, Add	24.20	
08 53 13 00-0391 EA 48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	182.02	43.11
For Colored Vinyl, Add	9.66	
For Tinted Glass, Add	11.59	
For Low-E Insulated Glass, Add	24.14	
For Obscure Glass, Add	26.55	
08 53 13 00-0392 EA 54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	190.89	45.01
For Colored Vinyl, Add	10.09	
For Tinted Glass, Add	12.11	
For Low-E Insulated Glass, Add	25.22	
For Obscure Glass, Add	27.74	
08 53 13 00-0393 EA 60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	199.68	47.27
For Colored Vinyl, Add	10.51	
For Tinted Glass, Add	12.61	
For Low-E Insulated Glass, Add	26.28	
For Obscure Glass, Add	28.91	
08 53 13 00-0394 EA 64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	205.54	49.17
For Colored Vinyl, Add	10.80	
For Tinted Glass, Add	12.96	
For Low-E Insulated Glass, Add	26.99	
For Obscure Glass, Add	29.69	
08 53 13 00-0395 EA 72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	217.30	51.81
For Colored Vinyl, Add	11.37	
For Tinted Glass, Add	13.64	
For Low-E Insulated Glass, Add	28.42	
For Obscure Glass, Add	31.26	
08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	187.40	43.11
			<i>For Colored Vinyl, Add</i>	10.19	
			<i>For Tinted Glass, Add</i>	12.23	
			<i>For Low-E Insulated Glass, Add</i>	25.48	
			<i>For Obscure Glass, Add</i>	28.03	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	206.24	47.66
			<i>For Colored Vinyl, Add</i>	11.17	
			<i>For Tinted Glass, Add</i>	13.40	
			<i>For Low-E Insulated Glass, Add</i>	27.92	
			<i>For Obscure Glass, Add</i>	30.71	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	215.66	49.55
			<i>For Colored Vinyl, Add</i>	11.66	
			<i>For Tinted Glass, Add</i>	13.99	
			<i>For Low-E Insulated Glass, Add</i>	29.14	
			<i>For Obscure Glass, Add</i>	32.06	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	225.08	51.81
			<i>For Colored Vinyl, Add</i>	12.15	
			<i>For Tinted Glass, Add</i>	14.57	
			<i>For Low-E Insulated Glass, Add</i>	30.36	
			<i>For Obscure Glass, Add</i>	33.40	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	231.36	52.95
			<i>For Colored Vinyl, Add</i>	12.47	
			<i>For Tinted Glass, Add</i>	14.97	
			<i>For Low-E Insulated Glass, Add</i>	31.18	
			<i>For Obscure Glass, Add</i>	34.30	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	243.91	56.36
			<i>For Colored Vinyl, Add</i>	13.12	
			<i>For Tinted Glass, Add</i>	15.75	
			<i>For Low-E Insulated Glass, Add</i>	32.80	
			<i>For Obscure Glass, Add</i>	36.08	
08 53 13 00-0403			42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	198.90	45.39
			<i>For Colored Vinyl, Add</i>	10.89	
			<i>For Tinted Glass, Add</i>	13.07	
			<i>For Low-E Insulated Glass, Add</i>	27.22	
			<i>For Obscure Glass, Add</i>	29.94	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.34	49.92
			<i>For Colored Vinyl, Add</i>	11.93	
			<i>For Tinted Glass, Add</i>	14.31	
			<i>For Low-E Insulated Glass, Add</i>	29.81	
			<i>For Obscure Glass, Add</i>	32.79	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	228.07	51.81
			<i>For Colored Vinyl, Add</i>	12.44	
			<i>For Tinted Glass, Add</i>	14.93	
			<i>For Low-E Insulated Glass, Add</i>	31.11	
			<i>For Obscure Glass, Add</i>	34.22	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	237.80	54.08
			<i>For Colored Vinyl, Add</i>	12.96	
			<i>For Tinted Glass, Add</i>	15.56	
			<i>For Low-E Insulated Glass, Add</i>	32.41	
			<i>For Obscure Glass, Add</i>	35.65	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	244.26	55.97
			<i>For Colored Vinyl, Add</i>	13.31	
			<i>For Tinted Glass, Add</i>	15.97	
			<i>For Low-E Insulated Glass, Add</i>	33.27	
			<i>For Obscure Glass, Add</i>	36.59	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	257.24	58.62
			<i>For Colored Vinyl, Add</i>	14.00	
			<i>For Tinted Glass, Add</i>	16.80	
			<i>For Low-E Insulated Glass, Add</i>	35.00	
			<i>For Obscure Glass, Add</i>	38.50	
08 53 13 00-0410			44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	202.73	46.14
			<i>For Colored Vinyl, Add</i>	11.12	
			<i>For Tinted Glass, Add</i>	13.35	
			<i>For Low-E Insulated Glass, Add</i>	27.80	
			<i>For Obscure Glass, Add</i>	30.58	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	222.39	50.68
			<i>For Colored Vinyl, Add</i>	12.18	
			<i>For Tinted Glass, Add</i>	14.61	
			<i>For Low-E Insulated Glass, Add</i>	30.45	
			<i>For Obscure Glass, Add</i>	33.49	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	232.20	52.57
			<i>For Colored Vinyl, Add</i>	12.71	
			<i>For Tinted Glass, Add</i>	15.25	
			<i>For Low-E Insulated Glass, Add</i>	31.77	
			<i>For Obscure Glass, Add</i>	34.94	

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	242.03	54.84
			<i>For Colored Vinyl, Add</i>	13.24	
			<i>For Tinted Glass, Add</i>	15.88	
			<i>For Low-E Insulated Glass, Add</i>	33.09	
			<i>For Obscure Glass, Add</i>	36.40	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	248.57	56.73
			<i>For Colored Vinyl, Add</i>	13.59	
			<i>For Tinted Glass, Add</i>	16.30	
			<i>For Low-E Insulated Glass, Add</i>	33.97	
			<i>For Obscure Glass, Add</i>	37.36	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	261.66	59.38
			<i>For Colored Vinyl, Add</i>	14.29	
			<i>For Tinted Glass, Add</i>	17.15	
			<i>For Low-E Insulated Glass, Add</i>	35.73	
			<i>For Obscure Glass, Add</i>	39.30	
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	206.56	46.90
			<i>For Colored Vinyl, Add</i>	11.35	
			<i>For Tinted Glass, Add</i>	13.62	
			<i>For Low-E Insulated Glass, Add</i>	28.38	
			<i>For Obscure Glass, Add</i>	31.22	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	226.41	51.43
			<i>For Colored Vinyl, Add</i>	12.43	
			<i>For Tinted Glass, Add</i>	14.91	
			<i>For Low-E Insulated Glass, Add</i>	31.07	
			<i>For Obscure Glass, Add</i>	34.18	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	236.33	53.33
			<i>For Colored Vinyl, Add</i>	12.97	
			<i>For Tinted Glass, Add</i>	15.56	
			<i>For Low-E Insulated Glass, Add</i>	32.42	
			<i>For Obscure Glass, Add</i>	35.66	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	246.24	55.60
			<i>For Colored Vinyl, Add</i>	13.51	
			<i>For Tinted Glass, Add</i>	16.21	
			<i>For Low-E Insulated Glass, Add</i>	33.76	
			<i>For Obscure Glass, Add</i>	37.14	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	252.86	57.48
			<i>For Colored Vinyl, Add</i>	13.87	
			<i>For Tinted Glass, Add</i>	16.64	
			<i>For Low-E Insulated Glass, Add</i>	34.66	
			<i>For Obscure Glass, Add</i>	38.13	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	266.10	60.13
			<i>For Colored Vinyl, Add</i>	14.58	
			<i>For Tinted Glass, Add</i>	17.50	
			<i>For Low-E Insulated Glass, Add</i>	36.46	
			<i>For Obscure Glass, Add</i>	40.10	
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	210.41	47.66
			<i>For Colored Vinyl, Add</i>	11.59	
			<i>For Tinted Glass, Add</i>	13.90	
			<i>For Low-E Insulated Glass, Add</i>	28.96	
			<i>For Obscure Glass, Add</i>	31.86	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	230.45	52.20
			<i>For Colored Vinyl, Add</i>	12.68	
			<i>For Tinted Glass, Add</i>	15.22	
			<i>For Low-E Insulated Glass, Add</i>	31.71	
			<i>For Obscure Glass, Add</i>	34.88	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	240.48	54.08
			<i>For Colored Vinyl, Add</i>	13.23	
			<i>For Tinted Glass, Add</i>	15.88	
			<i>For Low-E Insulated Glass, Add</i>	33.08	
			<i>For Obscure Glass, Add</i>	36.39	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	250.48	56.36
			<i>For Colored Vinyl, Add</i>	13.78	
			<i>For Tinted Glass, Add</i>	16.53	
			<i>For Low-E Insulated Glass, Add</i>	34.45	
			<i>For Obscure Glass, Add</i>	37.89	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	257.17	58.24
			<i>For Colored Vinyl, Add</i>	14.14	
			<i>For Tinted Glass, Add</i>	16.97	
			<i>For Low-E Insulated Glass, Add</i>	35.36	
			<i>For Obscure Glass, Add</i>	38.90	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	270.55	60.89
			<i>For Colored Vinyl, Add</i>	14.88	
			<i>For Tinted Glass, Add</i>	17.85	
			<i>For Low-E Insulated Glass, Add</i>	37.19	
			<i>For Obscure Glass, Add</i>	40.91	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432 EA 36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	214.24	48.41
For Colored Vinyl, Add	11.82	
For Tinted Glass, Add	14.18	
For Low-E Insulated Glass, Add	29.54	
For Obscure Glass, Add	32.50	
08 53 13 00-0433 EA 48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	234.48	52.95
For Colored Vinyl, Add	12.93	
For Tinted Glass, Add	15.52	
For Low-E Insulated Glass, Add	32.34	
For Obscure Glass, Add	35.57	
08 53 13 00-0434 EA 54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	244.60	54.84
For Colored Vinyl, Add	13.49	
For Tinted Glass, Add	16.19	
For Low-E Insulated Glass, Add	33.73	
For Obscure Glass, Add	37.10	
08 53 13 00-0435 EA 60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	254.71	57.11
For Colored Vinyl, Add	14.05	
For Tinted Glass, Add	16.86	
For Low-E Insulated Glass, Add	35.13	
For Obscure Glass, Add	38.64	
08 53 13 00-0436 EA 64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	261.48	59.00
For Colored Vinyl, Add	14.42	
For Tinted Glass, Add	17.31	
For Low-E Insulated Glass, Add	36.06	
For Obscure Glass, Add	39.66	
08 53 13 00-0437 EA 72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	274.97	61.64
For Colored Vinyl, Add	15.17	
For Tinted Glass, Add	18.20	
For Low-E Insulated Glass, Add	37.92	
For Obscure Glass, Add	41.71	
08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439 EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.07	49.17
For Colored Vinyl, Add	12.05	
For Tinted Glass, Add	14.46	
For Low-E Insulated Glass, Add	30.12	
For Obscure Glass, Add	33.13	
08 53 13 00-0440 EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	238.51	53.71
For Colored Vinyl, Add	13.19	
For Tinted Glass, Add	15.82	
For Low-E Insulated Glass, Add	32.97	
For Obscure Glass, Add	36.26	
08 53 13 00-0441 EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	248.73	55.60
For Colored Vinyl, Add	13.75	
For Tinted Glass, Add	16.50	
For Low-E Insulated Glass, Add	34.39	
For Obscure Glass, Add	37.82	
08 53 13 00-0442 EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	258.96	57.87
For Colored Vinyl, Add	14.32	
For Tinted Glass, Add	17.19	
For Low-E Insulated Glass, Add	35.81	
For Obscure Glass, Add	39.39	
08 53 13 00-0443 EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	265.78	59.76
For Colored Vinyl, Add	14.70	
For Tinted Glass, Add	17.64	
For Low-E Insulated Glass, Add	36.76	
For Obscure Glass, Add	40.43	
08 53 13 00-0444 EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	279.41	62.40
For Colored Vinyl, Add	15.46	
For Tinted Glass, Add	18.55	
For Low-E Insulated Glass, Add	38.65	
For Obscure Glass, Add	42.52	
08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446 EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	221.90	49.92
For Colored Vinyl, Add	12.28	
For Tinted Glass, Add	14.74	
For Low-E Insulated Glass, Add	30.70	
For Obscure Glass, Add	33.77	
08 53 13 00-0447 EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	242.55	54.46
For Colored Vinyl, Add	13.44	
For Tinted Glass, Add	16.13	
For Low-E Insulated Glass, Add	33.60	
For Obscure Glass, Add	36.95	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	252.87	56.36
			<i>For Colored Vinyl, Add</i>	14.02	
			<i>For Tinted Glass, Add</i>	16.82	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Obscure Glass, Add</i>	38.55	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	263.20	58.62
			<i>For Colored Vinyl, Add</i>	14.60	
			<i>For Tinted Glass, Add</i>	17.51	
			<i>For Low-E Insulated Glass, Add</i>	36.49	
			<i>For Obscure Glass, Add</i>	40.14	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	270.08	60.52
			<i>For Colored Vinyl, Add</i>	14.98	
			<i>For Tinted Glass, Add</i>	17.98	
			<i>For Low-E Insulated Glass, Add</i>	37.45	
			<i>For Obscure Glass, Add</i>	41.20	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	283.84	63.16
			<i>For Colored Vinyl, Add</i>	15.75	
			<i>For Tinted Glass, Add</i>	18.90	
			<i>For Low-E Insulated Glass, Add</i>	39.38	
			<i>For Obscure Glass, Add</i>	43.32	
08 53 13 00-0452			60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	239.53	52.20
			<i>For Colored Vinyl, Add</i>	13.59	
			<i>For Tinted Glass, Add</i>	16.31	
			<i>For Low-E Insulated Glass, Add</i>	33.98	
			<i>For Obscure Glass, Add</i>	37.37	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	254.65	56.73
			<i>For Colored Vinyl, Add</i>	14.20	
			<i>For Tinted Glass, Add</i>	17.03	
			<i>For Low-E Insulated Glass, Add</i>	35.49	
			<i>For Obscure Glass, Add</i>	39.04	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	265.29	58.62
			<i>For Colored Vinyl, Add</i>	14.80	
			<i>For Tinted Glass, Add</i>	17.76	
			<i>For Low-E Insulated Glass, Add</i>	37.01	
			<i>For Obscure Glass, Add</i>	40.71	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	275.91	60.89
			<i>For Colored Vinyl, Add</i>	15.41	
			<i>For Tinted Glass, Add</i>	18.49	
			<i>For Low-E Insulated Glass, Add</i>	38.53	
			<i>For Obscure Glass, Add</i>	42.38	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	282.99	62.78
			<i>For Colored Vinyl, Add</i>	15.82	
			<i>For Tinted Glass, Add</i>	18.98	
			<i>For Low-E Insulated Glass, Add</i>	39.55	
			<i>For Obscure Glass, Add</i>	43.50	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	297.15	65.43
			<i>For Colored Vinyl, Add</i>	16.63	
			<i>For Tinted Glass, Add</i>	19.95	
			<i>For Low-E Insulated Glass, Add</i>	41.57	
			<i>For Obscure Glass, Add</i>	45.73	
08 53 13 00-0459			Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	235.74	39.71
			<i>For Colored Vinyl, Add</i>	15.63	
			<i>For Tinted Glass, Add</i>	18.76	
			<i>For Low-E Insulated Glass, Add</i>	39.08	
			<i>For Obscure Glass, Add</i>	42.99	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	258.99	43.50
			<i>For Colored Vinyl, Add</i>	17.20	
			<i>For Tinted Glass, Add</i>	20.64	
			<i>For Low-E Insulated Glass, Add</i>	43.00	
			<i>For Obscure Glass, Add</i>	47.30	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	280.85	47.27
			<i>For Colored Vinyl, Add</i>	18.63	
			<i>For Tinted Glass, Add</i>	22.35	
			<i>For Low-E Insulated Glass, Add</i>	46.57	
			<i>For Obscure Glass, Add</i>	51.23	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	297.46	51.06
			<i>For Colored Vinyl, Add</i>	19.53	
			<i>For Tinted Glass, Add</i>	23.44	
			<i>For Low-E Insulated Glass, Add</i>	48.84	
			<i>For Obscure Glass, Add</i>	53.72	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	314.83	54.84
			<i>For Colored Vinyl, Add</i>	20.52	
			<i>For Tinted Glass, Add</i>	24.62	
			<i>For Low-E Insulated Glass, Add</i>	51.29	
			<i>For Obscure Glass, Add</i>	56.42	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0465 EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	341.05	58.62
For Colored Vinyl, Add	22.38	
For Tinted Glass, Add	26.86	
For Low-E Insulated Glass, Add	55.95	
For Obscure Glass, Add	61.55	
08 53 13 00-0466 UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	2.85	0.49
For Colored Vinyl, Add	0.19	
For Tinted Glass, Add	0.22	
For Low-E Insulated Glass, Add	0.47	
For Obscure Glass, Add	0.51	
08 53 13 00-0467 Basement Vinyl Windows (08 53 13)		
08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	143.41	30.25
For Colored Vinyl, Add	8.29	
For Tinted Glass, Add	9.95	
For Low-E Insulated Glass, Add	20.72	
For Obscure Glass, Add	22.79	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	153.08	30.25
For Colored Vinyl, Add	9.26	
For Tinted Glass, Add	11.11	
For Low-E Insulated Glass, Add	23.14	
For Obscure Glass, Add	25.45	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	158.61	30.25
For Colored Vinyl, Add	9.81	
For Tinted Glass, Add	11.77	
For Low-E Insulated Glass, Add	24.52	
For Obscure Glass, Add	26.97	
08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	176.43	29.50
For Colored Vinyl, Add	11.74	
For Tinted Glass, Add	14.09	
For Low-E Insulated Glass, Add	29.36	
For Obscure Glass, Add	32.29	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window.....	197.25	34.04
For Colored Vinyl, Add	12.92	
For Tinted Glass, Add	15.50	
For Low-E Insulated Glass, Add	32.29	
For Obscure Glass, Add	35.52	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window	3.34	0.49
For Colored Vinyl, Add	0.24	
For Tinted Glass, Add	0.28	
For Low-E Insulated Glass, Add	0.59	
For Obscure Glass, Add	0.65	
08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	19.34	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	24.87	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	32.03	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	37.80	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	46.47	
08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	43.96	
08 53 13 00-0486 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	52.75	
08 53 13 00-0487 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	66.56	
08 53 13 00-0488 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	82.89	
08 53 13 00-0489 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	99.22	
08 53 66 Vinyl Window Screens (08 53)		
08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002 EA Up To 6 SF, Insect Screen For Vinyl Windows.....	25.85	6.65

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows.....	33.38	6.65
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows.....	35.90	6.65
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows.....	40.92	6.65
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows.....	52.22	6.65
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows.....	57.25	6.65
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows.....	64.78	6.65
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows.....	69.81	6.65
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows.....	2.09	0.13

08 56 Special Function Windows (08 50)**08 56 19 Pass Windows (08 56)****08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)**

08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,408.92	498.37
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,625.88	539.91
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,773.37	581.44
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,440.33	664.50
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,732.16	996.75
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	

08 56 49 Radiation Shielding Windows (08 56)**08 56 49 00-0001 Lead Lined Window Frames (08 56 49)**

08 56 49 00-0002	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame	27.08	5.67
08 56 49 00-0003	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame	30.32	5.67

08 56 56 Security Window Screens (08 56)

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)**

08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	13.70	3.73
			For Painted Steel, Add	0.87	
			For Galvanized Steel, Add	1.74	
			For Aluminum, Add	3.49	
			For Stainless Steel, Add	15.26	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	13.95	3.73
			For Painted Steel, Add	0.90	
			For Galvanized Steel, Add	1.79	
			For Aluminum, Add	3.59	
			For Stainless Steel, Add	15.70	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	15.10	3.73
			For Painted Steel, Add	1.01	
			For Galvanized Steel, Add	2.02	
			For Aluminum, Add	4.05	
			For Stainless Steel, Add	17.71	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	17.56	3.73
			For Painted Steel, Add	1.26	
			For Galvanized Steel, Add	2.52	
			For Aluminum, Add	5.03	
			For Stainless Steel, Add	22.02	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.06	4.57
			For Painted Steel, Add	1.24	
			For Galvanized Steel, Add	2.48	
			For Aluminum, Add	4.97	
			For Stainless Steel, Add	21.74	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.44	4.57
			For Painted Steel, Add	1.28	
			For Galvanized Steel, Add	2.56	
			For Aluminum, Add	5.12	
			For Stainless Steel, Add	22.40	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	21.09	4.57
			For Painted Steel, Add	1.45	
			For Galvanized Steel, Add	2.89	
			For Aluminum, Add	5.78	
			For Stainless Steel, Add	25.29	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	24.54	4.57
			<i>For Painted Steel, Add</i>	1.79	
			<i>For Galvanized Steel, Add</i>	3.58	
			<i>For Aluminum, Add</i>	7.16	
			<i>For Stainless Steel, Add</i>	31.33	
08 56 56 00-0012			Wire Cloth Security Screen <small>(08 56 56)</small>		
			Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013			Wire Cloth, Inoperable, Security Window Screens <small>(08 56 56 00-0012)</small>		
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.36	2.50
			<i>For Painted Steel, Add</i>	0.26	
			<i>For Galvanized Steel, Add</i>	0.78	
			<i>For Aluminum, Add</i>	1.56	
			<i>For Stainless Steel, Add</i>	6.50	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.71	2.50
			<i>For Painted Steel, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.83	
			<i>For Aluminum, Add</i>	1.67	
			<i>For Stainless Steel, Add</i>	6.94	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	10.26	2.50
			<i>For Painted Steel, Add</i>	0.31	
			<i>For Galvanized Steel, Add</i>	0.92	
			<i>For Aluminum, Add</i>	1.83	
			<i>For Stainless Steel, Add</i>	7.63	
08 56 56 00-0017	SF		18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	11.31	2.50
			<i>For Painted Steel, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.07	
			<i>For Aluminum, Add</i>	2.15	
			<i>For Stainless Steel, Add</i>	8.94	
08 56 56 00-0018			Wire Cloth, Operable, Security Window Screens <small>(08 56 56 00-0012)</small>		
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	12.39	3.32
			<i>For Painted Steel, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.11	
			<i>For Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.26	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	12.93	3.32
			<i>For Painted Steel, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.19	
			<i>For Aluminum, Add</i>	2.39	
			<i>For Stainless Steel, Add</i>	9.94	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	13.68	3.32
			<i>For Painted Steel, Add</i>	0.44	
			<i>For Galvanized Steel, Add</i>	1.31	
			<i>For Aluminum, Add</i>	2.61	
			<i>For Stainless Steel, Add</i>	10.88	
08 56 56 00-0022	SF		18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	15.18	3.32
			<i>For Painted Steel, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.53	
			<i>For Aluminum, Add</i>	3.06	
			<i>For Stainless Steel, Add</i>	12.75	
08 56 56 00-0023			Expanded Metal Security Screen <small>(08 56 56)</small>		
			Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024			Expanded Metal, Inoperable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF		1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	17.63	6.23
			<i>For Painted Steel, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.52	
			<i>For Aluminum, Add</i>	3.05	
			<i>For Stainless Steel, Add</i>	12.69	
08 56 56 00-0026	SF		1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	20.74	7.48
			<i>For Painted Steel, Add</i>	0.58	
			<i>For Galvanized Steel, Add</i>	1.74	
			<i>For Aluminum, Add</i>	3.48	
			<i>For Stainless Steel, Add</i>	14.50	
08 56 56 00-0027	SF		3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	23.45	9.14
			<i>For Painted Steel, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	1.90	
			<i>For Aluminum, Add</i>	3.80	
			<i>For Stainless Steel, Add</i>	15.81	
08 56 56 00-0028	SF		3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	27.74	10.80
			<i>For Painted Steel, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.17	
			<i>For Aluminum, Add</i>	4.34	
			<i>For Stainless Steel, Add</i>	18.06	
08 56 56 00-0029	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	25.86	10.38
			<i>For Painted Steel, Add</i>	0.67	
			<i>For Galvanized Steel, Add</i>	2.01	
			<i>For Aluminum, Add</i>	4.02	
			<i>For Stainless Steel, Add</i>	16.75	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0030 SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	32.64	13.29
For Painted Steel, Add	0.84	
For Galvanized Steel, Add	2.53	
For Aluminum, Add	5.06	
For Stainless Steel, Add	21.06	
08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)		
08 56 56 00-0032 SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	23.59	7.48
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.17	
For Aluminum, Add	4.34	
For Stainless Steel, Add	18.06	
08 56 56 00-0033 SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	27.35	9.14
For Painted Steel, Add	0.83	
For Galvanized Steel, Add	2.48	
For Aluminum, Add	4.97	
For Stainless Steel, Add	20.69	
08 56 56 00-0034 SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	30.51	10.38
For Painted Steel, Add	0.90	
For Galvanized Steel, Add	2.71	
For Aluminum, Add	5.42	
For Stainless Steel, Add	22.56	
08 56 56 00-0035 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	33.22	11.63
For Painted Steel, Add	0.96	
For Galvanized Steel, Add	2.87	
For Aluminum, Add	5.73	
For Stainless Steel, Add	23.88	
08 56 56 00-0036 SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	36.38	13.29
For Painted Steel, Add	1.03	
For Galvanized Steel, Add	3.09	
For Aluminum, Add	6.18	
For Stainless Steel, Add	25.74	
08 56 56 00-0037 SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	41.45	14.54
For Painted Steel, Add	1.20	
For Galvanized Steel, Add	3.60	
For Aluminum, Add	7.20	
For Stainless Steel, Add	30.00	
08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)		
08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.08	3.73
For Painted Steel, Add	0.51	
For Galvanized Steel, Add	1.52	
For Aluminum, Add	3.03	
For Stainless Steel, Add	10.10	
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.48	3.73
For Painted Steel, Add	0.53	
For Galvanized Steel, Add	1.58	
For Aluminum, Add	3.15	
For Stainless Steel, Add	10.50	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	16.83	3.73
For Painted Steel, Add	0.59	
For Galvanized Steel, Add	1.78	
For Aluminum, Add	3.56	
For Stainless Steel, Add	11.85	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	19.38	3.73
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.16	
For Aluminum, Add	4.32	
For Stainless Steel, Add	14.40	
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	20.99	4.57
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.15	
For Aluminum, Add	4.31	
For Stainless Steel, Add	14.35	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	21.69	4.57
For Painted Steel, Add	0.75	
For Galvanized Steel, Add	2.26	
For Aluminum, Add	4.52	
For Stainless Steel, Add	15.05	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	23.44	4.57
For Painted Steel, Add	0.84	
For Galvanized Steel, Add	2.52	
For Aluminum, Add	5.04	
For Stainless Steel, Add	16.80	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	27.09 1.02 3.07 6.14 20.45	4.57
08 56 56 00-0049 Remove And Reinstall Security Screens And Guards (08 56 56)		
08 56 56 00-0050 SF Remove And Reinstall Security Screens	10.44	

08 60 Roof Windows And Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 63 Metal-Framed Skylights (08 60)

08 63 00 00-0001 Aluminum Framed Skylights (08 63)		
08 63 00 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 00 00-0001)		
08 63 00 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 00 00-0002)		
08 63 00 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 00 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0005 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	278.17	77.59
08 63 00 00-0006 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	313.17	77.59
08 63 00 00-0007 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	415.57	87.28
08 63 00 00-0008 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	468.96	96.98
08 63 00 00-0009 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	331.17	77.59
08 63 00 00-0010 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	402.57	87.28
08 63 00 00-0011 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	424.57	87.28
08 63 00 00-0012 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	486.96	96.98
08 63 00 00-0013 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	564.36	106.68
08 63 00 00-0014 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	406.57	87.28
08 63 00 00-0015 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	449.96	96.98
08 63 00 00-0016 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	491.96	96.98
08 63 00 00-0017 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	541.36	106.68
08 63 00 00-0018 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	598.76	116.38
08 63 00 00-0019 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	671.15	126.08
08 63 00 00-0020 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	479.96	96.98
08 63 00 00-0021 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	528.36	106.68
08 63 00 00-0022 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	599.76	116.38
08 63 00 00-0023 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	625.76	116.38
08 63 00 00-0024 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	718.15	126.08
08 63 00 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 00 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0026 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	328.17	77.59
08 63 00 00-0027 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	362.17	77.59
08 63 00 00-0028 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	454.57	87.28
08 63 00 00-0029 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	508.96	96.98
08 63 00 00-0030 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	367.17	77.59

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0031 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	430.57	87.28
08 63 00 00-0032 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	454.57	87.28
08 63 00 00-0033 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	520.96	96.98
08 63 00 00-0034 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	584.36	106.68
08 63 00 00-0035 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	434.57	87.28
08 63 00 00-0036 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	481.96	96.98
08 63 00 00-0037 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	508.96	96.98
08 63 00 00-0038 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	560.36	106.68
08 63 00 00-0039 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	608.76	116.38
08 63 00 00-0040 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	682.15	126.08
08 63 00 00-0041 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	512.96	96.98
08 63 00 00-0042 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	564.36	106.68
08 63 00 00-0043 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	620.76	116.38
08 63 00 00-0044 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	648.76	116.38
08 63 00 00-0045 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	733.15	126.08
08 63 00 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0003)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0047 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	332.17	77.59
08 63 00 00-0048 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	370.17	77.59
08 63 00 00-0049 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	465.57	87.28
08 63 00 00-0050 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	377.17	77.59
08 63 00 00-0051 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	444.57	87.28
08 63 00 00-0052 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	465.57	87.28
08 63 00 00-0053 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	532.96	96.98
08 63 00 00-0054 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	443.57	87.28
08 63 00 00-0055 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	489.96	96.98
08 63 00 00-0056 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	521.96	96.98
08 63 00 00-0057 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	573.36	106.68
08 63 00 00-0058 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	624.76	116.38
08 63 00 00-0059 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	524.96	96.98
08 63 00 00-0060 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	580.36	106.68
08 63 00 00-0061 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	636.76	116.38
08 63 00 00-0062 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	664.76	116.38
08 63 00 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0003)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0064 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	339.17	77.59
08 63 00 00-0065 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	381.17	77.59
08 63 00 00-0066 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	475.57	87.28
08 63 00 00-0067 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	544.96	96.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0068 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	387.17	77.59
08 63 00 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	453.57	87.28
08 63 00 00-0070 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	475.57	87.28
08 63 00 00-0071 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	547.96	96.98
08 63 00 00-0072 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	454.57	87.28
08 63 00 00-0073 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	500.96	96.98
08 63 00 00-0074 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	535.96	96.98
08 63 00 00-0075 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	588.36	106.68
08 63 00 00-0076 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	640.76	116.38
08 63 00 00-0077 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	539.96	96.98
08 63 00 00-0078 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	595.36	106.68
08 63 00 00-0079 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	652.76	116.38
08 63 00 00-0080 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	682.76	116.38
08 63 00 00-0081 Curb Top Inserts <small>(08 63 00 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 00 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 00 00-0081)</small>		
08 63 00 00-0083 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	113.59	38.79
08 63 00 00-0084 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	152.28	43.64
08 63 00 00-0085 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	248.38	58.19
08 63 00 00-0086 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	229.68	53.34
08 63 00 00-0087 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	276.38	58.19
08 63 00 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 00 00-0081)</small>		
08 63 00 00-0089 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	154.59	38.79
08 63 00 00-0090 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	231.28	43.64
08 63 00 00-0091 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	391.38	58.19
08 63 00 00-0092 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	381.68	53.34
08 63 00 00-0093 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	474.38	58.19
08 63 00 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 00 00-0081)</small>		
08 63 00 00-0095 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	194.59	38.79
08 63 00 00-0096 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	306.28	43.64
08 63 00 00-0097 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	567.38	58.19
08 63 00 00-0098 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	523.68	53.34
08 63 00 00-0099 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	658.38	58.19
08 63 00 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0002)</small>		
08 63 00 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0102 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	260.17	77.59
08 63 00 00-0103 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	303.17	77.59
08 63 00 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	378.57	87.28
08 63 00 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	468.96	96.98
08 63 00 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	338.17	77.59
08 63 00 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	383.17	77.59

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	451.57	87.28
08 63 00 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	535.96	96.98
08 63 00 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0002)</small>		
08 63 00 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0111)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	297.17	77.59
08 63 00 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	385.57	87.28
08 63 00 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	452.96	96.98
08 63 00 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	364.57	87.28
08 63 00 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	385.57	87.28
08 63 00 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	464.96	96.98
08 63 00 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	543.36	106.68
08 63 00 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	422.96	96.98
08 63 00 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	452.96	96.98
08 63 00 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	505.36	106.68
08 63 00 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	554.76	116.38
08 63 00 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	649.15	126.08
08 63 00 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	517.36	106.68
08 63 00 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	584.76	116.38
08 63 00 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	615.76	116.38
08 63 00 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	707.15	126.08
08 63 00 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0111)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	331.17	77.59
08 63 00 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	367.17	77.59
08 63 00 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	459.57	87.28
08 63 00 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	374.17	77.59
08 63 00 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	419.57	87.28
08 63 00 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	438.57	87.28
08 63 00 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	459.57	87.28
08 63 00 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	527.96	96.98
08 63 00 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	439.57	87.28
08 63 00 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	485.96	96.98
08 63 00 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	515.96	96.98
08 63 00 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	566.36	106.68
08 63 00 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	616.76	116.38
08 63 00 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	517.96	96.98
08 63 00 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	573.36	106.68
08 63 00 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	628.76	116.38
08 63 00 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	655.76	116.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0147				Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0111)</small>		
				<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 00 00-0148	EA			27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	364.17	77.59
08 63 00 00-0149	EA			27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	472.57	87.28
08 63 00 00-0150	EA			39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	449.57	87.28
08 63 00 00-0151	EA			39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	472.57	87.28
08 63 00 00-0152	EA			39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	543.96	96.98
08 63 00 00-0153	EA			51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	497.96	96.98
08 63 00 00-0154	EA			51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	530.96	96.98
08 63 00 00-0155	EA			51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	584.36	106.68
08 63 00 00-0156	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	632.76	116.38
08 63 00 00-0157	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	591.36	106.68
08 63 00 00-0158	EA			63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	648.76	116.38
08 63 00 00-0159	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	677.76	116.38
08 63 00 00-0160				Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0001)</small>		
08 63 00 00-0161				Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0160)</small>		
				<small>Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.</small>		
08 63 00 00-0162				Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0161)</small>		
08 63 00 00-0163				10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0162)</small>		
08 63 00 00-0164	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,400.76	116.38
08 63 00 00-0165	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,309.76	116.38
08 63 00 00-0166	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,467.76	116.38
08 63 00 00-0167				25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0162)</small>		
08 63 00 00-0168	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,799.76	116.38
08 63 00 00-0169	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,712.76	116.38
08 63 00 00-0170	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,890.76	116.38
08 63 00 00-0171				30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0162)</small>		
08 63 00 00-0172	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,914.76	116.38
08 63 00 00-0173	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,825.76	116.38
08 63 00 00-0174	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,003.76	116.38
08 63 00 00-0175				Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0161)</small>		
08 63 00 00-0176				10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0175)</small>		
08 63 00 00-0177	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,406.76	116.38
08 63 00 00-0178	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,315.76	116.38

08 Openings**08 60 Roof Windows And Skylights**

08 63 Metal-Framed Skylights



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0179 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,476.76	116.38
08 63 00 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 00 00-0175)		
08 63 00 00-0181 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,807.76	116.38
08 63 00 00-0182 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,718.76	116.38
08 63 00 00-0183 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,900.76	116.38
08 63 00 00-0184 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 00 00-0175)		
08 63 00 00-0185 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,920.76	116.38
08 63 00 00-0186 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,831.76	116.38
08 63 00 00-0187 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,013.76	116.38
08 63 00 00-0188 Aluminum Framed Solar Tube Skylights (08 63 00 00-0001) Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 63 00 00-0189 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 63 00 00-0188)		
08 63 00 00-0190 EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	741.34	155.17
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	491.03	
08 63 00 00-0191 EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	779.10	159.05
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	491.81	
08 63 00 00-0192 EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	815.86	162.92
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	492.59	
08 63 00 00-0193 EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	866.61	166.81
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	493.36	
08 63 00 00-0194 EA 6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	911.37	170.69
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	494.14	



Openings	08
Roof Windows And Skylights	08 60
Metal-Framed Skylights	08 63

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0195	EA		7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	948.14	174.57
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	494.91	
08 63 00 00-0196	EA		8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	984.89	178.45
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	495.69	
08 63 00 00-0197	EA		9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,043.65	182.32
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	496.47	
08 63 00 00-0198	EA		10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,080.40	186.20
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	497.24	
08 63 00 00-0199	EA		11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,118.17	190.08
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	498.02	
08 63 00 00-0200	EA		12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,154.93	193.96
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	498.79	
08 63 00 00-0201	EA		13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,213.68	197.85
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	499.57	
08 63 00 00-0202	EA		14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,250.44	201.72
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	500.34	
08 63 00 00-0203	EA		15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,287.20	205.60
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	501.12	

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0204	EA		16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,323.96	209.48
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	501.90	
08 63 00 00-0205			31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 63 00 00-0188)</small>		
08 63 00 00-0206	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	876.34	155.17
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	491.03	
08 63 00 00-0207	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	927.10	159.05
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	491.81	
08 63 00 00-0208	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	977.86	162.92
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	492.59	
08 63 00 00-0209	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,028.61	166.81
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	493.36	
08 63 00 00-0210	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,109.37	170.69
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	494.14	
08 63 00 00-0211	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,160.14	174.57
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	494.91	
08 63 00 00-0212	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,210.89	178.45
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	495.69	
08 63 00 00-0213	EA		9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,291.65	182.32
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	496.47	



Openings	08
Roof Windows And Skylights	08 60
Metal-Framed Skylights	08 63

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0214 EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,342.40	186.20
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	497.24	
08 63 00 00-0215 EA 11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,393.17	190.08
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	498.02	
08 63 00 00-0216 EA 12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,443.93	193.96
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	498.79	
08 63 00 00-0217 EA 13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,524.68	197.85
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	499.57	
08 63 00 00-0218 EA 14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,575.44	201.72
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	500.34	
08 63 00 00-0219 EA 15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,626.20	205.60
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	501.12	
08 63 00 00-0220 EA 16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,676.96	209.48
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	501.90	
08 63 00 00-0221 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 63 00 00-0188)</small>		
08 63 00 00-0222 EA 2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,148.14	174.57
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	494.91	
08 63 00 00-0223 EA 3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,217.89	178.45
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	495.69	

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0224	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,288.65	182.32
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	496.47	
08 63 00 00-0225	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,358.40	186.20
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	497.24	
08 63 00 00-0226	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,468.17	190.08
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	498.02	
08 63 00 00-0227	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,537.93	193.96
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	498.79	
08 63 00 00-0228	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,607.68	197.85
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	499.57	
08 63 00 00-0229	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,718.44	201.72
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	500.34	
08 63 00 00-0230	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,788.20	205.60
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	501.12	
08 63 00 00-0231	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,857.96	209.48
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	501.90	
08 63 00 00-0232	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,927.72	213.36
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	502.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0233 EA 13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,037.47	217.24
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	503.45	
08 63 00 00-0234 EA 14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,107.24	221.11
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	504.22	
08 63 00 00-0235 EA 15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,177.99	224.99
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	505.00	
08 63 00 00-0236 EA 16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,247.75	228.88
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	505.78	

08 65 Wood-Framed Skylights (08 60)

08 65 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) (08 65)

08 65 00 00-0002 EA 16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	355.10	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	41.50	
<i>For Aluminum Shingle Flashing, Add</i>	33.20	
08 65 00 00-0003 EA 16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	361.87	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	43.19	
<i>For Aluminum Shingle Flashing, Add</i>	34.55	
08 65 00 00-0004 EA 24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	345.78	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	39.17	
<i>For Aluminum Shingle Flashing, Add</i>	31.34	
08 65 00 00-0005 EA 24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	366.95	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	44.46	
<i>For Aluminum Shingle Flashing, Add</i>	35.57	
08 65 00 00-0006 EA 24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	384.74	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	48.91	
<i>For Aluminum Shingle Flashing, Add</i>	39.13	
08 65 00 00-0007 EA 24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	413.54	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 65 00 00-0008 EA 24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	449.95	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	65.21	
<i>For Aluminum Shingle Flashing, Add</i>	52.17	
08 65 00 00-0009 EA 27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	345.78	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	39.17	
<i>For Aluminum Shingle Flashing, Add</i>	31.34	
08 65 00 00-0010 EA 28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	388.97	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	49.97	
<i>For Aluminum Shingle Flashing, Add</i>	39.97	
08 65 00 00-0011 EA 28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	413.54	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 65 00 00-0012 EA 28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	441.48	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	63.10	
<i>For Aluminum Shingle Flashing, Add</i>	50.48	
08 65 00 00-0013 EA 28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	478.75	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	72.41	
<i>For Aluminum Shingle Flashing, Add</i>	57.93	
08 65 00 00-0014 EA 38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	355.10	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	41.50	
<i>For Aluminum Shingle Flashing, Add</i>	33.20	
08 65 00 00-0015 EA 38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	366.95	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	44.46	
<i>For Aluminum Shingle Flashing, Add</i>	35.57	
08 65 00 00-0016 EA 38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	388.97	94.56
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	49.97	
<i>For Aluminum Shingle Flashing, Add</i>	39.97	

08 Openings**08 60 Roof Windows And Skylights****08 65 Wood-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 65 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	466.89	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	69.45	
			<i>For Aluminum Shingle Flashing, Add</i>	55.56	
08 65 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	361.87	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	43.19	
			<i>For Aluminum Shingle Flashing, Add</i>	34.55	
08 65 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	384.74	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	48.91	
			<i>For Aluminum Shingle Flashing, Add</i>	39.13	
08 65 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	413.54	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
			<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 65 00 00-0021	EA		46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	466.89	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	69.45	
			<i>For Aluminum Shingle Flashing, Add</i>	55.56	
08 65 00 00-0022	EA		57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	413.54	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
			<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 65 00 00-0023	EA		57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	441.48	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	63.10	
			<i>For Aluminum Shingle Flashing, Add</i>	50.48	
08 65 00 00-0024	EA		72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	449.95	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	65.21	
			<i>For Aluminum Shingle Flashing, Add</i>	52.17	
08 65 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	478.75	94.56
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	72.41	
			<i>For Aluminum Shingle Flashing, Add</i>	57.93	

08 70 Hardware (08)**08 71 Door Hardware** (08 70)**08 71 16 Door Hardware** (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted.

08 71 16 00-0001 Hinges (08 71 16)

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs.

08 71 16 00-0002 Brass/Bronze, Satin Chrome Finish Hinges (08 71 16 00-0001)

Note: US26D (BHMA 626) satin chrome finish.

08 71 16 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 16 00-0002)

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0004	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	55.89	5.30
			<i>For Clear Coated Bright Brass, Add</i>	3.91	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0005	PR		4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	61.29	7.56
			<i>For Clear Coated Bright Brass, Add</i>	4.35	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0006	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	69.18	8.32
			<i>For Clear Coated Bright Brass, Add</i>	3.63	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	

08 71 16 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 16 00-0002)

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0008	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	64.32	5.30
			<i>For Clear Coated Bright Brass, Add</i>	5.01	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0009	PR		4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	73.60	7.56
			<i>For Clear Coated Bright Brass, Add</i>	5.01	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0010	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	74.84	8.32
			<i>For Clear Coated Bright Brass, Add</i>	4.43	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0011	PR		5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	87.42	9.83
			<i>For Clear Coated Bright Brass, Add</i>	5.18	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0012	PR		5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	87.98	9.83
			<i>For Clear Coated Bright Brass, Add</i>	5.26	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0013	PR		6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	94.42	12.63
			<i>For Clear Coated Bright Brass, Add</i>	6.16	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	

08 71 16 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 16 00-0002)

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0015	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	72.95	5.30
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Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0016	PR		4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	82.22	7.56
08 71 16 00-0017	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	84.22	8.32
08 71 16 00-0018	PR		5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	97.77	9.83
08 71 16 00-0019			Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 16 00-0002) Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 16 00-0020	PR		4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	144.08	8.32
			For Clear Coated Bright Brass, Add	14.12	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0021	PR		5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	162.36	9.83
			For Clear Coated Bright Brass, Add	15.67	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0022	PR		5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	91.56	9.83
			For Clear Coated Bright Brass, Add	5.76	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0023			Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 16 00-0002) Note: Mortised into the edge of the door and surface applied to the face of the frame.		
08 71 16 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	131.18	8.32
			For Clear Coated Bright Brass, Add	12.31	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	154.82	9.83
			For Clear Coated Bright Brass, Add	14.62	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0026			Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge (08 71 16 00-0002) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 16 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	93.16	8.32
			For Clear Coated Bright Brass, Add	6.99	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	107.68	12.63
			For Clear Coated Bright Brass, Add	8.02	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0029	PR		6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	147.44	12.63
			For Clear Coated Bright Brass, Add	13.58	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0030			Mortised, Wrought Steel Hinges (08 71 16 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 16 00-0031			Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 16 00-0030) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 16 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	34.46	5.30
			For Primed For Paint Finish, Deduct	-1.18	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	0.74	
			For Satin Brass Plated Clear Coated Finish, Deduct	-0.71	
			For Stainless Steel, Add	3.26	
			For Heavy Duty, Add	0.89	
			For Extra Heavy Duty, Add	2.37	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	44.35	7.56
			For Primed For Paint Finish, Deduct	-1.31	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	0.82	
			For Satin Brass Plated Clear Coated Finish, Deduct	-0.78	
			For Stainless Steel, Add	3.59	
			For Heavy Duty, Add	0.98	
			For Extra Heavy Duty, Add	2.61	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	51.18	8.32
			For Primed For Paint Finish, Deduct	-1.59	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.00	
			For Satin Brass Plated Clear Coated Finish, Deduct	-0.96	
			For Stainless Steel, Add	4.38	
			For Heavy Duty, Add	1.19	
			For Extra Heavy Duty, Add	3.18	
			For Pair Of Non-Removable Pins, Add	6.00	
08 71 16 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 16 00-0030) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	50.11	5.30
			<i>For Primed For Paint Finish, Deduct</i>	-4.31	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	2.70	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-2.59	
			<i>For Stainless Steel, Add</i>	11.86	
			<i>For Heavy Duty, Add</i>	3.24	
			<i>For Extra Heavy Duty, Add</i>	8.63	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	62.24	7.56
			<i>For Primed For Paint Finish, Deduct</i>	-4.88	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	3.05	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-2.93	
			<i>For Stainless Steel, Add</i>	13.43	
			<i>For Heavy Duty, Add</i>	3.66	
			<i>For Extra Heavy Duty, Add</i>	9.77	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	57.87	8.32
			<i>For Primed For Paint Finish, Deduct</i>	-2.93	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.83	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.76	
			<i>For Stainless Steel, Add</i>	8.06	
			<i>For Heavy Duty, Add</i>	2.20	
			<i>For Extra Heavy Duty, Add</i>	5.86	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	86.13	9.83
			<i>For Primed For Paint Finish, Deduct</i>	-7.14	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.29	
			<i>For Stainless Steel, Add</i>	19.64	
			<i>For Heavy Duty, Add</i>	5.36	
			<i>For Extra Heavy Duty, Add</i>	14.28	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	91.17	9.83
			<i>For Primed For Paint Finish, Deduct</i>	-8.15	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.09	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.89	
			<i>For Stainless Steel, Add</i>	22.41	
			<i>For Heavy Duty, Add</i>	6.11	
			<i>For Extra Heavy Duty, Add</i>	16.30	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0041	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	106.53	9.83
			<i>For Primed For Paint Finish, Deduct</i>	-11.22	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.01	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.73	
			<i>For Stainless Steel, Add</i>	30.86	
			<i>For Heavy Duty, Add</i>	8.42	
			<i>For Extra Heavy Duty, Add</i>	22.44	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0042			Half Surface, Plain Bearing, Wrought Steel Hinges <small>(08 71 16 00-0030)</small>		
			Note: Surface mounted to the face of the door and mortised into the rabbit edge of the frame.		
08 71 16 00-0043	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	59.15	5.30
			<i>For Primed For Paint Finish, Deduct</i>	-6.12	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	3.83	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-3.67	
			<i>For Stainless Steel, Add</i>	16.84	
			<i>For Heavy Duty, Add</i>	4.59	
			<i>For Extra Heavy Duty, Add</i>	12.24	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0044	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	72.51	7.56
			<i>For Primed For Paint Finish, Deduct</i>	-6.94	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.34	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.16	
			<i>For Stainless Steel, Add</i>	19.08	
			<i>For Heavy Duty, Add</i>	5.20	
			<i>For Extra Heavy Duty, Add</i>	13.88	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0045	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	81.99	8.32
			<i>For Primed For Paint Finish, Deduct</i>	-7.75	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.85	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.65	
			<i>For Stainless Steel, Add</i>	21.32	
			<i>For Heavy Duty, Add</i>	5.82	
			<i>For Extra Heavy Duty, Add</i>	15.51	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	
08 71 16 00-0046	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	93.27	9.83
			<i>For Primed For Paint Finish, Deduct</i>	-8.57	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.36	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.14	
			<i>For Stainless Steel, Add</i>	23.57	
			<i>For Heavy Duty, Add</i>	6.43	
			<i>For Extra Heavy Duty, Add</i>	17.14	
			<i>For Pair Of Non-Removable Pins, Add</i>	6.00	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges <small>(08 71 16 00-0030)</small>		
<i>Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.</i>		
08 71 16 00-0048 PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	81.69	8.32
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Heavy Duty, Add</i>		
<i>For Extra Heavy Duty, Add</i>		
<i>For Pair Of Non-Removable Pins, Add</i>		
08 71 16 00-0049 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	91.76	8.32
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Heavy Duty, Add</i>		
<i>For Extra Heavy Duty, Add</i>		
<i>For Pair Of Non-Removable Pins, Add</i>		
08 71 16 00-0050 PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	106.53	9.83
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Heavy Duty, Add</i>		
<i>For Extra Heavy Duty, Add</i>		
<i>For Pair Of Non-Removable Pins, Add</i>		
08 71 16 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 16 00-0030)</small>		
<i>Note: Both leaves slide into a cavity prepared in the door and door frame.</i>		
08 71 16 00-0052 PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	58.35	8.32
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Heavy Duty, Add</i>		
<i>For Extra Heavy Duty, Add</i>		
<i>For Pair Of Non-Removable Pins, Add</i>		
08 71 16 00-0053 Blank Butt Hinges <small>(08 71 16 00-0030)</small>		
08 71 16 00-0054 PR 3.5" x 3.5" To 5" x 5", Blank Butt With Screws, Steel Hinge	15.46	3.40
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Heavy Duty, Add</i>		
<i>For Extra Heavy Duty, Add</i>		
<i>For Pair Of Non-Removable Pins, Add</i>		
08 71 16 00-0055 Full Mortise, Single Acting Spring, Wrought Steel Hinges <small>(08 71 16 00-0030)</small>		
<i>Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.</i>		
08 71 16 00-0056 PR 3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	42.99	5.30
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
08 71 16 00-0057 PR 4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	56.72	7.56
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
08 71 16 00-0058 PR 4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	71.02	8.32
<i>For Primed For Paint Finish, Deduct</i>		
<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>		
<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>		
<i>For Stainless Steel, Add</i>		
08 71 16 00-0059 Offset And Pivot Hinges <small>(08 71 16 00-0001)</small>		
<i>Note: Satin chrome plated, US26D.</i>		
08 71 16 00-0060 Offset Swing Clear Hinges <small>(08 71 16 00-0059)</small>		
<i>Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.</i>		
08 71 16 00-0061 EA 4-1/2", Swing Clear, Offset Hinges	48.44	2.36
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>		
<i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>		
08 71 16 00-0062 Offset Pivot Hinges <small>(08 71 16 00-0059)</small>		
08 71 16 00-0063 3/4" Offset Pivot Hinges <small>(08 71 16 00-0062)</small>		
08 71 16 00-0064 3/4" Offset Pivot Hinges <small>(08 71 16 00-0063)</small>		

08 Openings**08 70 Hardware**

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0065			Top Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0064)		
08 71 16 00-0066			200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0065)		
08 71 16 00-0067	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	73.74	7.56
08 71 16 00-0068	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	97.72	7.56
08 71 16 00-0069	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	111.05	7.56
08 71 16 00-0070	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	111.05	7.56
08 71 16 00-0071	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	111.05	7.56
08 71 16 00-0072	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	111.05	7.56
08 71 16 00-0073	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	111.05	7.56
08 71 16 00-0074	EA		Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	80.67	7.56
08 71 16 00-0075	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	101.46	7.56
08 71 16 00-0076	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	115.31	7.56
08 71 16 00-0077	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	115.31	7.56
08 71 16 00-0078	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	115.31	7.56
08 71 16 00-0079	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	115.31	7.56
08 71 16 00-0080	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	115.31	7.56
08 71 16 00-0081	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	73.74	7.56
08 71 16 00-0082	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	97.72	7.56
08 71 16 00-0083	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	111.05	7.56
08 71 16 00-0084	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	111.05	7.56
08 71 16 00-0085	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	111.05	7.56
08 71 16 00-0086	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	111.05	7.56
08 71 16 00-0087	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	111.05	7.56
08 71 16 00-0088			500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0065)		
08 71 16 00-0089	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	77.52	9.46
08 71 16 00-0090	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	101.50	9.46
08 71 16 00-0091	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	114.83	9.46
08 71 16 00-0092	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	114.83	9.46
08 71 16 00-0093	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	114.83	9.46
08 71 16 00-0094	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	114.83	9.46
08 71 16 00-0095	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	114.83	9.46
08 71 16 00-0096			600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0065)		
08 71 16 00-0097	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	77.52	9.46
08 71 16 00-0098	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	101.50	9.46
08 71 16 00-0099	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	114.83	9.46
08 71 16 00-0100	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	114.83	9.46
08 71 16 00-0101	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	114.83	9.46
08 71 16 00-0102	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	114.83	9.46
08 71 16 00-0103	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	114.83	9.46
08 71 16 00-0104			700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0065)		
08 71 16 00-0105	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	77.52	9.46
08 71 16 00-0106	EA		Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	101.50	9.46
08 71 16 00-0107	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	114.83	9.46
08 71 16 00-0108	EA		Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	114.83	9.46
08 71 16 00-0109	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	114.83	9.46
08 71 16 00-0110	EA		Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	114.83	9.46
08 71 16 00-0111	EA		Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	114.83	9.46
08 71 16 00-0112			Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0064)		
08 71 16 00-0113			200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0112)		
08 71 16 00-0114	EA		Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	90.79	7.56
08 71 16 00-0115	EA		Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	111.05	7.56
08 71 16 00-0116	EA		Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	125.43	7.56
08 71 16 00-0117	EA		Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	125.43	7.56
08 71 16 00-0118	EA		Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	125.43	7.56
08 71 16 00-0119	EA		Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	125.43	7.56
08 71 16 00-0120	EA		Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	125.43	7.56
08 71 16 00-0121			500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 16 00-0112)		
08 71 16 00-0122	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	101.50	9.46
08 71 16 00-0123	EA		Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	107.90	9.46
08 71 16 00-0124	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	119.09	9.46
08 71 16 00-0125	EA		Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	119.09	9.46

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0189	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	279.49	9.46
08 71 16 00-0190	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	279.49	9.46
08 71 16 00-0191	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	279.49	9.46
08 71 16 00-0192		Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0063)</small>		
08 71 16 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0192)</small>		
08 71 16 00-0194		500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0193)</small>		
08 71 16 00-0195	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	142.01	9.46
08 71 16 00-0196	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	167.04	9.46
08 71 16 00-0197	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	187.30	9.46
08 71 16 00-0198	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	187.30	9.46
08 71 16 00-0199	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	187.30	9.46
08 71 16 00-0200		600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0193)</small>		
08 71 16 00-0201	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	142.01	9.46
08 71 16 00-0202	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	167.04	9.46
08 71 16 00-0203	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	187.30	9.46
08 71 16 00-0204	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	187.30	9.46
08 71 16 00-0205	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	187.30	9.46
08 71 16 00-0206		700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0193)</small>		
08 71 16 00-0207	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	142.01	9.46
08 71 16 00-0208	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	167.04	9.46
08 71 16 00-0209	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	187.30	9.46
08 71 16 00-0210	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	187.30	9.46
08 71 16 00-0211	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	187.30	9.46
08 71 16 00-0212		1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0193)</small>		
08 71 16 00-0213	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	150.04	11.35
08 71 16 00-0214	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	170.82	11.35
08 71 16 00-0215	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	180.42	11.35
08 71 16 00-0216	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	180.42	11.35
08 71 16 00-0217	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	180.42	11.35
08 71 16 00-0218		1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0193)</small>		
08 71 16 00-0219	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	150.04	11.35
08 71 16 00-0220	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	170.82	11.35
08 71 16 00-0221	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	180.42	11.35
08 71 16 00-0222	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	180.42	11.35
08 71 16 00-0223	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	180.42	11.35
08 71 16 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0192)</small>		
08 71 16 00-0225		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0224)</small>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0226	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	146.26	9.46
08 71 16 00-0227	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	169.71	9.46
08 71 16 00-0228	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	176.64	9.46
08 71 16 00-0229	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	176.64	9.46
08 71 16 00-0230	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	176.64	9.46
08 71 16 00-0231			600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 16 00-0224)		
08 71 16 00-0232	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	146.26	9.46
08 71 16 00-0233	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	169.71	9.46
08 71 16 00-0234	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	176.64	9.46
08 71 16 00-0235	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	176.64	9.46
08 71 16 00-0236	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	176.64	9.46
08 71 16 00-0237			700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 16 00-0224)		
08 71 16 00-0238	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	146.26	9.46
08 71 16 00-0239	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	169.71	9.46
08 71 16 00-0240	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	176.64	9.46
08 71 16 00-0241	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	176.64	9.46
08 71 16 00-0242	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	176.64	9.46
08 71 16 00-0243			1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 16 00-0224)		
08 71 16 00-0244	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	163.90	11.35
08 71 16 00-0245	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	187.88	11.35
08 71 16 00-0246	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	194.27	11.35
08 71 16 00-0247	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	194.27	11.35
08 71 16 00-0248	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	194.27	11.35
08 71 16 00-0249			1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 16 00-0224)		
08 71 16 00-0250	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	163.90	11.35
08 71 16 00-0251	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	187.88	11.35
08 71 16 00-0252	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	194.27	11.35
08 71 16 00-0253	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	194.27	11.35
08 71 16 00-0254	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	194.27	11.35
08 71 16 00-0255			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 16 00-0192)		
08 71 16 00-0256			500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 16 00-0255)		
08 71 16 00-0257	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	162.79	9.46
08 71 16 00-0258	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	200.62	9.46
08 71 16 00-0259	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	215.01	9.46
08 71 16 00-0260	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	215.01	9.46

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0261	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	215.01	9.46
08 71 16 00-0262		600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0255)</small>		
08 71 16 00-0263	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	160.12	9.46
08 71 16 00-0264	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	169.71	9.46
08 71 16 00-0265	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	194.23	9.46
08 71 16 00-0266	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	194.23	9.46
08 71 16 00-0267	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	194.23	9.46
08 71 16 00-0268		1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0255)</small>		
08 71 16 00-0269	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	184.15	11.35
08 71 16 00-0270	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	204.40	11.35
08 71 16 00-0271	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	211.86	11.35
08 71 16 00-0272	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	211.86	11.35
08 71 16 00-0273	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	211.86	11.35
08 71 16 00-0274		1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0255)</small>		
08 71 16 00-0275	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	259.29	11.35
08 71 16 00-0276	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	276.34	11.35
08 71 16 00-0277	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	283.27	11.35
08 71 16 00-0278	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	283.27	11.35
08 71 16 00-0279	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	283.27	11.35
08 71 16 00-0280		1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0062)</small>		
08 71 16 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0280)</small>		
08 71 16 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0281)</small>		
08 71 16 00-0283		400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0282)</small>		
08 71 16 00-0284	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	167.04	9.46
08 71 16 00-0285	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	180.37	9.46
08 71 16 00-0286	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	190.49	9.46
08 71 16 00-0287	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	190.49	9.46
08 71 16 00-0288	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	190.49	9.46
08 71 16 00-0289		500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0282)</small>		
08 71 16 00-0290	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	167.04	9.46
08 71 16 00-0291	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	180.37	9.46
08 71 16 00-0292	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	190.49	9.46
08 71 16 00-0293	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	190.49	9.46
08 71 16 00-0294	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	190.49	9.46
08 71 16 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0281)</small>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0296 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0295)</small>		
08 71 16 00-0297 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	173.44	9.46
08 71 16 00-0298 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	194.23	9.46
08 71 16 00-0299 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	204.35	9.46
08 71 16 00-0300 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	204.35	9.46
08 71 16 00-0301 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	204.35	9.46
08 71 16 00-0302 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0295)</small>		
08 71 16 00-0303 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	173.44	9.46
08 71 16 00-0304 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	194.23	9.46
08 71 16 00-0305 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	204.35	9.46
08 71 16 00-0306 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	204.35	9.46
08 71 16 00-0307 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	204.35	9.46
08 71 16 00-0308 Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0281)</small>		
08 71 16 00-0309 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0308)</small>		
08 71 16 00-0310 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	169.71	9.46
08 71 16 00-0311 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	194.23	9.46
08 71 16 00-0312 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	204.35	9.46
08 71 16 00-0313 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	204.35	9.46
08 71 16 00-0314 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	204.35	9.46
08 71 16 00-0315 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 16 00-0308)</small>		
08 71 16 00-0316 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	272.56	9.46
08 71 16 00-0317 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	300.27	9.46
08 71 16 00-0318 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	307.20	9.46
08 71 16 00-0319 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	307.20	9.46
08 71 16 00-0320 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	307.20	9.46
08 71 16 00-0321 Center Hung Pivot Hinges <small>(08 71 16 00-0059)</small>		
08 71 16 00-0322 Top Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0321)</small>		
08 71 16 00-0323 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0322)</small>		
08 71 16 00-0324 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	87.60	7.56
08 71 16 00-0325 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	94.53	7.56
08 71 16 00-0326 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	94.53	7.56
08 71 16 00-0327 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	94.53	7.56
08 71 16 00-0328 EA Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	94.53	7.56
08 71 16 00-0329 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	94.53	7.56
08 71 16 00-0330 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	94.53	7.56
08 71 16 00-0331 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0322)</small>		
08 71 16 00-0332 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	91.38	9.46
08 71 16 00-0333 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	98.31	9.46
08 71 16 00-0334 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	98.31	9.46
08 71 16 00-0335 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	98.31	9.46
08 71 16 00-0336 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	98.31	9.46
08 71 16 00-0337 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	98.31	9.46
08 71 16 00-0338 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	98.31	9.46

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0339 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0322)</small>		
08 71 16 00-0340 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	91.38	9.46
08 71 16 00-0341 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	98.31	9.46
08 71 16 00-0342 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	98.31	9.46
08 71 16 00-0343 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	98.31	9.46
08 71 16 00-0344 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	98.31	9.46
08 71 16 00-0345 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	98.31	9.46
08 71 16 00-0346 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	98.31	9.46
08 71 16 00-0347 1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0322)</small>		
08 71 16 00-0348 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	143.11	11.35
08 71 16 00-0349 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	166.57	11.35
08 71 16 00-0350 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	191.08	11.35
08 71 16 00-0351 EA Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	191.08	11.35
08 71 16 00-0352 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	191.08	11.35
08 71 16 00-0353 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	191.08	11.35
08 71 16 00-0354 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	191.08	11.35
08 71 16 00-0355 Bottom Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0321)</small>		
08 71 16 00-0356 300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0355)</small>		
08 71 16 00-0357 EA Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	67.35	7.56
08 71 16 00-0358 EA Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	77.48	7.56
08 71 16 00-0359 EA Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	87.60	7.56
08 71 16 00-0360 EA Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	87.60	7.56
08 71 16 00-0361 EA Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	87.60	7.56
08 71 16 00-0362 EA Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	87.60	7.56
08 71 16 00-0363 EA Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	87.60	7.56
08 71 16 00-0364 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 16 00-0355)</small>		
08 71 16 00-0365 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	98.31	9.46
08 71 16 00-0366 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	101.50	9.46
08 71 16 00-0367 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	101.50	9.46
08 71 16 00-0368 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	101.50	9.46
08 71 16 00-0369 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	101.50	9.46
08 71 16 00-0370 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	101.50	9.46
08 71 16 00-0371 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	101.50	9.46
08 71 16 00-0372 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	98.31	9.46
08 71 16 00-0373 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	101.50	9.46
08 71 16 00-0374 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	101.50	9.46
08 71 16 00-0375 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	101.50	9.46
08 71 16 00-0376 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	101.50	9.46
08 71 16 00-0377 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	101.50	9.46
08 71 16 00-0378 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	101.50	9.46
08 71 16 00-0379 600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0355)</small>		
08 71 16 00-0380 EA Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	194.23	9.46
08 71 16 00-0381 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	204.35	9.46
08 71 16 00-0382 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	215.01	9.46
08 71 16 00-0383 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	215.01	9.46
08 71 16 00-0384 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	215.01	9.46
08 71 16 00-0385 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	215.01	9.46
08 71 16 00-0386 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	215.01	9.46



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0387 1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 16 00-0355)</small>		
08 71 16 00-0388 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	355.20	11.35
08 71 16 00-0389 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	365.33	11.35
08 71 16 00-0390 EA Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	379.19	11.35
08 71 16 00-0391 EA Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	379.19	11.35
08 71 16 00-0392 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	379.19	11.35
08 71 16 00-0393 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	379.19	11.35
08 71 16 00-0394 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	379.19	11.35
08 71 16 00-0395 Continuous Steel Hinges <small>(08 71 16 00-0001)</small>		
08 71 16 00-0396 LF 1-1/2" Wide, Continuous Steel Hinge.....	14.20	3.02
<i>For Stainless Steel, Add</i>	1.15	
<i>For Brass Or Nickel, Add</i>	1.25	
<i>For Aluminum, Add</i>	0.41	
<i>For Medium Gauge, Deduct</i>	-0.42	
08 71 16 00-0397 LF 2" Wide, Continuous Steel Hinge.....	14.34	3.02
<i>For Stainless Steel, Add</i>	1.23	
<i>For Brass Or Nickel, Add</i>	1.34	
<i>For Aluminum, Add</i>	0.44	
<i>For Medium Gauge, Deduct</i>	-0.45	
08 71 16 00-0398 LF 2-1/2" Wide, Continuous Steel Hinge.....	14.61	3.02
<i>For Stainless Steel, Add</i>	1.38	
<i>For Brass Or Nickel, Add</i>	1.50	
<i>For Aluminum, Add</i>	0.49	
<i>For Medium Gauge, Deduct</i>	-0.50	
08 71 16 00-0399 LF 3" Wide, Continuous Steel Hinge.....	14.93	3.02
<i>For Stainless Steel, Add</i>	1.55	
<i>For Brass Or Nickel, Add</i>	1.69	
<i>For Aluminum, Add</i>	0.55	
<i>For Medium Gauge, Deduct</i>	-0.56	
08 71 16 00-0400 Continuous Geared Hinges <small>(08 71 16 00-0001)</small>		
08 71 16 00-0401 LF Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	32.75	3.02
<i>For Bronze Finish, Add</i>	7.74	
<i>For Heavy Duty, Add</i>	5.52	
08 71 16 00-0402 LF Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	35.16	3.02
<i>For Bronze Finish, Add</i>	8.64	
<i>For Heavy Duty, Add</i>	6.16	
08 71 16 00-0403 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	23.08	3.02
<i>For Bronze Finish, Add</i>	4.11	
08 71 16 00-0404 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	26.57	3.02
<i>For Bronze Finish, Add</i>	5.42	
08 71 16 00-0405 Mortised, Primed Steel, Double Acting Spring Hinges <small>(08 71 16 00-0001)</small>		
08 71 16 00-0406 PR 2", Mortised, Primed Steel, Double Acting Spring Hinge.....	73.23	5.30
<i>For Satin Brass, Add</i>	11.22	
08 71 16 00-0407 PR 3", Mortised, Primed Steel, Double Acting Spring Hinge.....	80.81	6.81
<i>For Satin Brass, Add</i>	11.22	
08 71 16 00-0408 PR 4", Mortised, Primed Steel, Double Acting Spring Hinge.....	90.92	8.32
<i>For Satin Brass, Add</i>	11.84	
08 71 16 00-0409 PR 5", Mortised, Primed Steel, Double Acting Spring Hinge.....	117.40	9.83
<i>For Satin Brass, Add</i>	16.38	
08 71 16 00-0410 PR 6", Mortised, Primed Steel, Double Acting Spring Hinge.....	131.87	11.35
<i>For Satin Brass, Add</i>	18.03	
08 71 16 00-0411 PR 7", Mortised, Primed Steel, Double Acting Spring Hinge.....	157.37	12.86
<i>For Satin Brass, Add</i>	22.34	
08 71 16 00-0412 PR 8", Mortised, Primed Steel, Double Acting Spring Hinge.....	208.77	35.93
<i>For Satin Brass, Add</i>	32.86	
08 71 16 00-0413 Security Hinges <small>(08 71 16 00-0001)</small>		
08 71 16 00-0414 EA 4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge.....	27.83	5.30
08 71 16 00-0415 Concealed Circuit Electric Hinge Option <small>(08 71 16 00-0001)</small>		
Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 16 00-0416 EA 4 Wire Concealed Circuit Electric Hinge Option.....	147.87	
08 71 16 00-0417 EA 6 Wire Concealed Circuit Electric Hinge Option.....	174.58	
08 71 16 00-0418 EA 8 Wire Concealed Circuit Electric Hinge Option.....	201.30	
08 71 16 00-0419 Hinge Filler Plates For Door Frames <small>(08 71 16 00-0001)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 16 00-0420	PR		Hinge Filler Plates For Door Frames.....	12.40	3.79
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08 71 16 00-0421 Door Trim (08 71 16)
08 71 16 00-0422 Floor Stops, Wall Stops And Bumpers (08 71 16 00-0421)
08 71 16 00-0423 Floor Stops (08 71 16 00-0422)
08 71 16 00-0424 Aluminum Floor Stops (08 71 16 00-0423)

08 71 16 00-0425	EA	1-5/16"	Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	20.26	9.46
08 71 16 00-0426	EA	1"	Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	21.61	9.46
08 71 16 00-0427	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	22.12	9.46
08 71 16 00-0428	EA	2-1/8"	Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	29.93	9.46
08 71 16 00-0429	EA	3"	Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	30.87	9.46

08 71 16 00-0430 Brass Floor Stops (08 71 16 00-0423)

08 71 16 00-0431	EA	1"	Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	21.80	9.46
08 71 16 00-0432	EA	1"	Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	22.31	9.46
08 71 16 00-0433	EA	1"	Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	22.31	9.46
08 71 16 00-0434	EA	1"	Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	22.51	9.46
08 71 16 00-0435	EA	1"	Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	22.77	9.46
08 71 16 00-0436	EA	1"	Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	22.77	9.46
08 71 16 00-0437	EA	1"	Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	22.77	9.46
08 71 16 00-0438	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	22.12	9.46
08 71 16 00-0439	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	22.90	9.46
08 71 16 00-0440	EA	1-3/8"	Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	22.90	9.46
08 71 16 00-0441	EA	1-3/8"	Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	23.20	9.46
08 71 16 00-0442	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	23.47	9.46
08 71 16 00-0443	EA	1-3/8"	Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	23.47	9.46
08 71 16 00-0444	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	24.70	9.46
08 71 16 00-0445	EA	1"	Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	22.95	9.46
08 71 16 00-0446	EA	1"	Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	22.95	9.46
08 71 16 00-0447	EA	1"	Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	23.80	9.46
08 71 16 00-0448	EA	1"	Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	23.80	9.46
08 71 16 00-0449	EA	1"	Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	23.80	9.46
08 71 16 00-0450	EA	1"	Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	23.80	9.46
08 71 16 00-0451	EA	1-11/32"	Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	23.54	9.46
08 71 16 00-0452	EA	1-11/32"	Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	23.54	9.46
08 71 16 00-0453	EA	1-11/32"	Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	24.37	9.46
08 71 16 00-0454	EA	1-11/32"	Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	24.37	9.46
08 71 16 00-0455	EA	1-11/32"	Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	24.37	9.46
08 71 16 00-0456	EA	1-11/32"	Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	24.37	9.46
08 71 16 00-0457	EA	2-1/8"	Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	30.69	9.46
08 71 16 00-0458	EA	2-1/8"	Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	31.06	9.46
08 71 16 00-0459	EA	2-1/8"	Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	31.95	9.46
08 71 16 00-0460	EA	2-1/8"	Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	32.68	9.46
08 71 16 00-0461	EA	2-1/8"	Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	32.68	9.46
08 71 16 00-0462	EA	2-1/8"	Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	35.63	9.46
08 71 16 00-0463	EA	2-1/8"	Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	35.63	9.46
08 71 16 00-0464	EA	3"	Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	34.53	9.46
08 71 16 00-0465	EA	3"	Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	35.06	9.46
08 71 16 00-0466	EA	3"	Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	35.06	9.46
08 71 16 00-0467	EA	3"	Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	35.06	9.46
08 71 16 00-0468	EA	3"	Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	35.06	9.46
08 71 16 00-0469	EA	3"	Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	39.10	9.46
08 71 16 00-0470	EA	3"	Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	39.10	9.46
08 71 16 00-0471	EA	1-5/16"	Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	26.29	9.46
08 71 16 00-0472	EA	1-5/16"	Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	26.96	9.46
08 71 16 00-0473	EA	1-5/16"	Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	28.49	9.46
08 71 16 00-0474	EA	1-5/16"	Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	28.49	9.46
08 71 16 00-0475	EA	1-5/16"	Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	28.49	9.46
08 71 16 00-0476	EA	1-5/16"	Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	28.94	9.46

08 71 16 00-0477 Steel Floor Stops (08 71 16 00-0423)

08 71 16 00-0478	EA	2-5/8"	Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	23.67	9.46
08 71 16 00-0479	EA	1-1/2"	Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S).....	48.68	9.46
Note: Includes drilling. Excludes Grout.					
08 71 16 00-0480	EA	3-1/2"	Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L).....	50.81	9.46
Note: Includes drilling. Excludes Grout.					

08 71 16 00-0481 Wall Stops (08 71 16 00-0422)
08 71 16 00-0482 Aluminum Wall Stops (08 71 16 00-0481)

08 71 16 00-0483	EA	3-3/4"	Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	9.42	3.79
08 71 16 00-0484	EA	3-3/4"	Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	13.87	5.67



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0485 Brass Wall Stops <small>(08 71 16 00-0481)</small>		
08 71 16 00-0486 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	14.00	3.79
08 71 16 00-0487 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	14.00	3.79
08 71 16 00-0488 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	14.00	3.79
08 71 16 00-0489 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	15.99	3.79
08 71 16 00-0490 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	16.18	3.79
08 71 16 00-0491 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	16.18	3.79
08 71 16 00-0492 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	16.18	3.79
08 71 16 00-0493 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	35.14	5.67
08 71 16 00-0494 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	35.85	5.67
08 71 16 00-0495 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	35.85	5.67
08 71 16 00-0496 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	35.85	5.67
08 71 16 00-0497 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	35.85	5.67
08 71 16 00-0498 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	35.85	5.67
08 71 16 00-0499 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	30.19	5.67
08 71 16 00-0500 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	33.99	5.67
08 71 16 00-0501 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	33.99	5.67
08 71 16 00-0502 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	33.99	5.67
08 71 16 00-0503 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	33.99	5.67
08 71 16 00-0504 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	34.89	5.67
08 71 16 00-0505 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	34.89	5.67
08 71 16 00-0506 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	53.67	5.67
08 71 16 00-0507 Steel Wall Stops <small>(08 71 16 00-0481)</small>		
08 71 16 00-0508 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	7.95	3.79
08 71 16 00-0509 Hinge Pin Door Stops <small>(08 71 16 00-0422)</small>		
08 71 16 00-0510 Aluminum Hinge Pin Door Stops <small>(08 71 16 00-0509)</small>		
08 71 16 00-0511 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	16.29	7.56
08 71 16 00-0512 Brass Hinge Pin Door Stops <small>(08 71 16 00-0509)</small>		
08 71 16 00-0513 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	16.51	7.56
08 71 16 00-0514 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	17.89	7.56
08 71 16 00-0515 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	21.23	7.56
08 71 16 00-0516 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	21.23	7.56
08 71 16 00-0517 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	21.23	7.56
08 71 16 00-0518 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	22.79	7.56
08 71 16 00-0519 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	22.79	7.56
08 71 16 00-0520 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	22.79	7.56
08 71 16 00-0521 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	22.79	7.56
08 71 16 00-0522 Wall Bumpers <small>(08 71 16 00-0422)</small>		
08 71 16 00-0523 Brass Wall Bumpers <small>(08 71 16 00-0522)</small>		
08 71 16 00-0524 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.09	9.46
08 71 16 00-0525 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.09	9.46
08 71 16 00-0526 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.09	9.46
08 71 16 00-0527 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.28	9.46
08 71 16 00-0528 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.28	9.46
08 71 16 00-0529 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.28	9.46
08 71 16 00-0530 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.28	9.46
08 71 16 00-0531 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	27.71	9.46
08 71 16 00-0532 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	29.45	9.46
08 71 16 00-0533 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	29.45	9.46
08 71 16 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	29.45	9.46
08 71 16 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	29.45	9.46
08 71 16 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	29.45	9.46
08 71 16 00-0537 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	29.84	9.46
08 71 16 00-0538 Rubber Wall Bumpers <small>(08 71 16 00-0522)</small>		
08 71 16 00-0539 EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	20.40	9.46

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 16 00-0540	08 71 16 00-0421)	08 71 16 00-0541	08 71 16 00-0540)	08 71 16 00-0542	08 71 16 00-0541)		
	08 71 16 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	36.88		5.67	
08 71 16 00-0544	08 71 16 00-0541)						
	08 71 16 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	57.39		5.67	
	08 71 16 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	57.39		5.67	
	08 71 16 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	57.39		5.67	
	08 71 16 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	57.39		5.67	
	08 71 16 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	57.39		5.67	
	08 71 16 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	57.39		5.67	
	08 71 16 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	57.39		5.67	
08 71 16 00-0552	08 71 16 00-0540)						
08 71 16 00-0553	08 71 16 00-0552)	08 71 16 00-0554	EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	15.52		5.67	
08 71 16 00-0555	08 71 16 00-0552)						
	08 71 16 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	28.28		5.67	
	08 71 16 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	28.28		5.67	
	08 71 16 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	28.28		5.67	
	08 71 16 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	31.60		5.67	
	08 71 16 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	31.60		5.67	
	08 71 16 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	31.60		5.67	
	08 71 16 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	32.44		5.67	
08 71 16 00-0563	08 71 16 00-0552)						
	08 71 16 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	18.09		5.67	
08 71 16 00-0565	08 71 16 00-0540)						
08 71 16 00-0566	08 71 16 00-0565)						
	08 71 16 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	55.54		11.35	
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78			
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53			
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80			
	08 71 16 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	55.54		11.35	
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78			
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53			
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80			
	08 71 16 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.60		11.35	
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78			
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53			
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80			
	08 71 16 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.60		11.35	
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78			
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53			
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80			
	08 71 16 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.60		11.35	
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78			
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53			
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80			
	08 71 16 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.60		11.35	
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78			
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53			
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80			
08 71 16 00-0573	08 71 16 00-0540)						
08 71 16 00-0574	08 71 16 00-0573)						
	08 71 16 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	46.47		6.62	
	08 71 16 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	69.51		11.35	
08 71 16 00-0577	08 71 16 00-0573)						



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0578 EA 3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	43.12	6.62
08 71 16 00-0579 EA 3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.12	6.62
08 71 16 00-0580 EA 3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.12	6.62
08 71 16 00-0581 EA 3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.12	6.62
08 71 16 00-0582 EA 3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.12	6.62
08 71 16 00-0583 EA 3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.12	6.62
08 71 16 00-0584 EA 3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	50.53	6.62
08 71 16 00-0585 EA 4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	48.14	6.62
08 71 16 00-0586 EA 4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	56.32	6.62
08 71 16 00-0587 EA 4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	56.32	6.62
08 71 16 00-0588 EA 4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	56.32	6.62
08 71 16 00-0589 EA 4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	56.32	6.62
08 71 16 00-0590 EA 4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	56.32	6.62
08 71 16 00-0591 EA Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	77.67	11.35
08 71 16 00-0592 EA Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	81.34	11.35
08 71 16 00-0593 EA Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	81.34	11.35
08 71 16 00-0594 EA Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	81.34	11.35
08 71 16 00-0595 EA Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	81.34	11.35
08 71 16 00-0596 EA Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	81.34	11.35
08 71 16 00-0597 Overhead Door Holders (08 71 16 00-0540)		
08 71 16 00-0598 Surface Mounted, Overhead Door Holders (08 71 16 00-0597)		
08 71 16 00-0599 EA Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	243.22	18.91
<i>For Hold Open, Add</i>	24.18	
08 71 16 00-0600 EA Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	274.09	18.91
<i>For Hold Open, Add</i>	28.64	
08 71 16 00-0601 EA Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	274.09	18.91
<i>For Hold Open, Add</i>	28.64	
08 71 16 00-0602 EA Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	274.09	18.91
<i>For Hold Open, Add</i>	28.64	
08 71 16 00-0603 EA Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	273.04	18.91
<i>For Hold Open, Add</i>	28.48	
08 71 16 00-0604 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 16 00-0597)		
Note: With or without hold open feature.		
08 71 16 00-0605 EA Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	196.60	18.91
08 71 16 00-0606 EA Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	270.31	18.91
08 71 16 00-0607 EA Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	302.44	18.91
08 71 16 00-0608 EA Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	302.44	18.91
08 71 16 00-0609 EA Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	302.44	18.91
08 71 16 00-0610 Concealed Mounted, Overhead Door Holders (08 71 16 00-0597)		
Note: With or without hold open feature.		
08 71 16 00-0611 EA Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	262.54	18.91
08 71 16 00-0612 EA Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	262.54	18.91
08 71 16 00-0613 EA Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	275.14	18.91
08 71 16 00-0614 EA Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	285.85	18.91
08 71 16 00-0615 EA Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	285.85	18.91
08 71 16 00-0616 Silencers (08 71 16 00-0421)		
08 71 16 00-0617 EA Replacement Rubber Door Silencers.....	1.09	0.75
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 16 00-0618 Bolts (08 71 16 00-0421)		
08 71 16 00-0619 Brass Surface Bolts (08 71 16 00-0618)		
08 71 16 00-0620 EA 8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	77.12	9.46
08 71 16 00-0621 EA 8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	81.97	9.46
08 71 16 00-0622 EA 8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	81.97	9.46
08 71 16 00-0623 Steel Surface Bolts (08 71 16 00-0618)		
08 71 16 00-0624 EA 8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	39.53	9.46
08 71 16 00-0625 EA 8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	39.53	9.46
08 71 16 00-0626 EA 8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	39.53	9.46
08 71 16 00-0627 EA 8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	43.77	9.46
08 71 16 00-0628 EA 8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	44.38	9.46
08 71 16 00-0629 EA 8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	45.59	9.46
08 71 16 00-0630 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	44.98	9.46
08 71 16 00-0631 EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	46.81	9.46
08 71 16 00-0632 EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	49.23	9.46
08 71 16 00-0633 EA 12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	51.05	9.46
08 71 16 00-0634 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	75.31	9.46

08 Openings**08 70 Hardware**

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 16 00-0635	Door Viewer (08 71 16 00-0421)		
08 71 16 00-0636	Brass Door Viewer (08 71 16 00-0635)		
08 71 16 00-0637	EA 120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	24.70	9.46
08 71 16 00-0638	EA 120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	24.70	9.46
08 71 16 00-0639	EA 120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	24.70	9.46
08 71 16 00-0640	EA 150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	27.40	9.46
08 71 16 00-0641	EA 150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	27.40	9.46
08 71 16 00-0642	EA 150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	27.40	9.46
08 71 16 00-0643	EA 190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	30.74	9.46
08 71 16 00-0644	EA 190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	30.74	9.46
08 71 16 00-0645	Door Knockers (08 71 16 00-0421)		
08 71 16 00-0646	Brass Door Knockers (08 71 16 00-0645)		
08 71 16 00-0647	EA 5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	33.05	9.46
08 71 16 00-0648	EA 5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	35.63	9.46
08 71 16 00-0649	EA 5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	35.63	9.46
08 71 16 00-0650	EA 5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	35.63	9.46
08 71 16 00-0651	EA 8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	45.39	9.46
08 71 16 00-0652	EA 8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	51.60	9.46
08 71 16 00-0653	Hasps (08 71 16 00-0421)		
08 71 16 00-0654	EA 3-1/4", Zinc Plated Finish, Steel Hasp Assembly	17.78	7.14
08 71 16 00-0655	EA 4-1/2", Zinc Plated Finish, Steel Hasp Assembly	18.92	7.56
08 71 16 00-0656	EA 6", Zinc Plated Finish, Steel Hasp Assembly	23.17	8.51
08 71 16 00-0657	EA 6", Zinc Plated Finish, Steel High Security Hasp Assembly	73.76	10.21
08 71 16 00-0658	Flush Bolts (08 71 16 00-0421)		
08 71 16 00-0659	Flush Bolts For Metal Doors (08 71 16 00-0658)		
08 71 16 00-0660	Brass Flush Bolts For Metal Doors (08 71 16 00-0659)		
08 71 16 00-0661	Manual, Brass Flush Bolts For Metal Doors (08 71 16 00-0660) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 16 00-0662	EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	32.26	9.46
08 71 16 00-0663	Automatic, Brass Flush Bolts For Metal Doors (08 71 16 00-0660) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0664	EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	67.29	9.46
08 71 16 00-0665	EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	67.29	9.46
08 71 16 00-0666	EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	121.94	15.13
08 71 16 00-0667	EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	118.17	13.23
08 71 16 00-0668	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	123.09	14.18
08 71 16 00-0669	Constant Latching, Brass Flush Bolts For Metal Doors (08 71 16 00-0660) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0670	EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	66.76	9.46
08 71 16 00-0671	EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	121.94	15.13
08 71 16 00-0672	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	118.17	13.23
08 71 16 00-0673	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	123.09	14.18
08 71 16 00-0674	Stainless Steel Flush Bolts For Metal Doors (08 71 16 00-0659)		
08 71 16 00-0675	Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 16 00-0674) Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0676	EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	67.29	9.46
08 71 16 00-0677	EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	67.29	9.46
08 71 16 00-0678	EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	121.94	15.13
08 71 16 00-0679	EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	118.17	13.23
08 71 16 00-0680	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	123.09	14.18
08 71 16 00-0681	Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 16 00-0674) Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0682	EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	66.76	9.46
08 71 16 00-0683	EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	121.94	15.13
08 71 16 00-0684	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	118.17	13.23
08 71 16 00-0685	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	123.09	14.18



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0686	Flush Bolts For Wood Doors (08 71 16 00-0686)		
08 71 16 00-0687	Brass Flush Bolts For Wood Doors (08 71 16 00-0686)		
08 71 16 00-0688	Manual, Brass Flush Bolts For Wood Doors (08 71 16 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 16 00-0689	EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	36.79	9.46
08 71 16 00-0690	Automatic, Brass Flush Bolts For Wood Doors (08 71 16 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0691	EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	69.66	9.46
08 71 16 00-0692	EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B).....	69.66	9.46
08 71 16 00-0693	EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	127.03	15.13
08 71 16 00-0694	EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	123.26	13.23
08 71 16 00-0695	Constant Latching, Brass Flush Bolts For Wood Doors (08 71 16 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0696	EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	69.18	9.46
08 71 16 00-0697	EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	127.03	15.13
08 71 16 00-0698	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	123.26	13.23
08 71 16 00-0699	Stainless Steel Flush Bolts For Wood Doors (08 71 16 00-0686)		
08 71 16 00-0700	Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 16 00-0699) Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0701	EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	69.66	9.46
08 71 16 00-0702	EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	69.66	9.46
08 71 16 00-0703	EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P).....	127.03	15.13
08 71 16 00-0704	EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	123.26	13.23
08 71 16 00-0705	Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 16 00-0699) Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0706	EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	69.18	9.46
08 71 16 00-0707	EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	127.03	15.13
08 71 16 00-0708	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	123.26	13.23
08 71 16 00-0709	Dust Proof Strikes (08 71 16 00-0658)		
08 71 16 00-0710	EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	28.11	7.56
08 71 16 00-0711	EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	28.11	7.56
08 71 16 00-0712	EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	28.11	7.56
08 71 16 00-0713	EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	28.11	7.56
08 71 16 00-0714	EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	28.11	7.56
08 71 16 00-0715	EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	31.50	7.56
08 71 16 00-0716	EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	31.50	7.56
08 71 16 00-0717	EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	31.50	7.56
08 71 16 00-0718	EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	31.50	7.56
08 71 16 00-0719	EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	31.50	7.56
08 71 16 00-0720	Roller Bumpers (08 71 16 00-0421)		
08 71 16 00-0721	Brass Roller Bumpers (08 71 16 00-0720)		
08 71 16 00-0722	EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	27.63	5.67
08 71 16 00-0723	EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	31.68	5.67
08 71 16 00-0724	EA 5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	31.68	5.67
08 71 16 00-0725	EA 4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	26.71	5.67
08 71 16 00-0726	EA 4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	29.80	5.67
08 71 16 00-0727	EA 4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	29.80	5.67
08 71 16 00-0728	EA 4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	29.80	5.67
08 71 16 00-0729	EA 6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	27.69	5.67
08 71 16 00-0730	EA 6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	29.87	5.67
08 71 16 00-0731	EA 6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	30.90	5.67
08 71 16 00-0732	EA 6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	30.90	5.67
08 71 16 00-0733	EA 6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	30.90	5.67
08 71 16 00-0734	EA 6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	30.90	5.67
08 71 16 00-0735	EA 6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	30.90	5.67
08 71 16 00-0736	Other Door Trim (08 71 16 00-0421)		
08 71 16 00-0737	Coat And Hat Hooks (08 71 16 00-0736)		
08 71 16 00-0738	Aluminum Coat And Hat Hooks (08 71 16 00-0737)		
08 71 16 00-0739	EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	12.65	5.67

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0740	EA		1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	12.65	5.67
08 71 16 00-0741	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	12.72	5.67
08 71 16 00-0742	EA		1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	12.60	5.67
08 71 16 00-0743	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	12.60	5.67
08 71 16 00-0744	EA		1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	12.60	5.67
08 71 16 00-0745	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	12.72	5.67
08 71 16 00-0746	EA		1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	13.10	5.67
08 71 16 00-0747	EA		1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	13.10	5.67
08 71 16 00-0748	EA		1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	13.10	5.67
08 71 16 00-0749	EA		1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	13.10	5.67
08 71 16 00-0750	EA		1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	13.10	5.67
08 71 16 00-0751			Brass Coat And Hat Hooks <small>(08 71 16 00-0737)</small>		
08 71 16 00-0752	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	14.71	5.67
08 71 16 00-0753	EA		1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	14.91	5.67
08 71 16 00-0754	EA		1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	15.22	5.67
08 71 16 00-0755	EA		1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	15.22	5.67
08 71 16 00-0756	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	15.42	5.67
08 71 16 00-0757	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	16.06	5.67
08 71 16 00-0758	EA		1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	16.96	5.67
08 71 16 00-0759	EA		1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	16.96	5.67
08 71 16 00-0760	EA		1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	16.96	5.67
08 71 16 00-0761	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	17.16	5.67
08 71 16 00-0762			Door Plates And Pulls <small>(08 71 16)</small>		
08 71 16 00-0763			Kick Plate <small>(08 71 16 00-0762)</small> Note: Ives 8400.		
08 71 16 00-0764			Aluminum Base Material Kick Plate <small>(08 71 16 00-0763)</small>		
08 71 16 00-0765			Satin Aluminum Finish, Aluminum Kick Plate <small>(08 71 16 00-0764)</small>		
08 71 16 00-0766	EA		8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	32.72	5.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0767	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	33.64	5.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0768	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	34.54	5.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0769	EA		8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	35.44	5.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0770	EA		8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	36.34	6.05
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0771	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	37.24	6.05
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0772	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	38.14	6.05
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0773	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	39.04	6.05
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0774	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	39.94	6.43
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0775	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	40.84	6.43
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0776	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	41.74	6.43
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 16 00-0777	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	42.64	6.81
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-0778	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.21 1.76 5.60 9.80	6.81
08 71	16 00-0779	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.11 1.76 5.60 9.80	6.81
08 71	16 00-0780	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.24 1.76 5.60 9.80	5.67
08 71	16 00-0781	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.38 1.76 5.60 9.80	5.67
08 71	16 00-0782	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.51 1.76 5.60 9.80	5.67
08 71	16 00-0783	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.65 1.76 5.60 9.80	5.67
08 71	16 00-0784	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.30 1.76 5.60 9.80	6.05
08 71	16 00-0785	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.44 1.76 5.60 9.80	6.05
08 71	16 00-0786	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.58 1.76 5.60 9.80	6.05
08 71	16 00-0787	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.72 1.76 5.60 9.80	6.05
08 71	16 00-0788	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.38 1.76 5.60 9.80	6.43
08 71	16 00-0789	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.52 1.76 5.60 9.80	6.43
08 71	16 00-0790	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.66 1.76 5.60 9.80	6.43
08 71	16 00-0791	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.31 1.76 5.60 9.80	6.81
08 71	16 00-0792	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.44 1.76 5.60 9.80	6.81
08 71	16 00-0793	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.58 1.76 5.60 9.80	6.81
08 71	16 00-0794	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.75 1.76 5.60 9.80	5.67
08 71	16 00-0795	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.10 1.76 5.60 9.80	5.67
08 71	16 00-0796	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.49 1.76 5.60 9.80	5.67
08 71	16 00-0797	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.83 1.76 5.60 9.80	5.67
08 71	16 00-0798	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.72 1.76 5.60 9.80	6.05

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0799	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.08 1.76 5.60 9.80	6.05
08 71 16 00-0800	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.45 1.76 5.60 9.80	6.05
08 71 16 00-0801	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.82 1.76 5.60 9.80	6.05
08 71 16 00-0802	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.71 1.76 5.60 9.80	6.43
08 71 16 00-0803	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.07 1.76 5.60 9.80	6.43
08 71 16 00-0804	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.45 1.76 5.60 9.80	6.43
08 71 16 00-0805	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.32 1.76 5.60 9.80	6.81
08 71 16 00-0806	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.69 1.76 5.60 9.80	6.81
08 71 16 00-0807	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.06 1.76 5.60 9.80	6.81
08 71 16 00-0808	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.75 1.76 5.60 9.80	6.05
08 71 16 00-0809	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.34 1.76 5.60 9.80	6.05
08 71 16 00-0810	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.96 1.76 5.60 9.80	6.05
08 71 16 00-0811	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.55 1.76 5.60 9.80	6.05
08 71 16 00-0812	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.66 1.76 5.60 9.80	6.43
08 71 16 00-0813	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.26 1.76 5.60 9.80	6.43
08 71 16 00-0814	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.85 1.76 5.60 9.80	6.43
08 71 16 00-0815	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.45 1.76 5.60 9.80	6.43
08 71 16 00-0816	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.55 1.76 5.60 9.80	6.81
08 71 16 00-0817	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.14 1.76 5.60 9.80	6.81
08 71 16 00-0818	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.74 1.76 5.60 9.80	6.81
08 71 16 00-0819	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.84 1.76 5.60 9.80	7.19



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-0820	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.45 1.76 5.60 9.80	7.19
08 71	16 00-0821	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.04 1.76 5.60 9.80	7.19
08 71	16 00-0822	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.27 1.76 5.60 9.80	6.05
08 71	16 00-0823	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.08 1.76 5.60 9.80	6.05
08 71	16 00-0824	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.92 1.76 5.60 9.80	6.05
08 71	16 00-0825	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.74 1.76 5.60 9.80	6.05
08 71	16 00-0826	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.26 1.76 5.60 9.80	6.43
08 71	16 00-0827	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.91 1.76 5.60 9.80	6.43
08 71	16 00-0828	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.74 1.76 5.60 9.80	6.43
08 71	16 00-0829	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.55 1.76 5.60 9.80	6.43
08 71	16 00-0830	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.88 1.76 5.60 9.80	6.81
08 71	16 00-0831	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.72 1.76 5.60 9.80	6.81
08 71	16 00-0832	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.53 1.76 5.60 9.80	6.81
08 71	16 00-0833	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.86 1.76 5.60 9.80	7.19
08 71	16 00-0834	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.69 1.76 5.60 9.80	7.19
08 71	16 00-0835	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.52 1.76 5.60 9.80	7.19
08 71	16 00-0836	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.21 6.30 5.60 9.80	6.05
08 71	16 00-0837	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.40 6.30 5.60 9.80	6.05
08 71	16 00-0838	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.58 6.30 5.60 9.80	6.05
08 71	16 00-0839	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.77 6.30 5.60 9.80	6.05
08 71	16 00-0840	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.46 6.30 5.60 9.80	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0841	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.64	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0842	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	62.83	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0843	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.01	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0844	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.71	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0845	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.89	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0846	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.07	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0847	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.77	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0848	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.95	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0849	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.14	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0850	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.40	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0851	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.83	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0852	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.25	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0853	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.68	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0854	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.61	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0855	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.04	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0856	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.46	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0857	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.89	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0858	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.82	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0859	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	77.25	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0860	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.68	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0861	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	83.61	7.56
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0862	EA			20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.04 6.30 5.60 9.80	7.56
08 71 16 00-0863	EA			20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.46 6.30 5.60 9.80	7.56
08 71 16 00-0864	EA			22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.07 6.30 5.60 9.80	6.43
08 71 16 00-0865	EA			22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.73 6.30 5.60 9.80	6.43
08 71 16 00-0866	EA			22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.40 6.30 5.60 9.80	6.43
08 71 16 00-0867	EA			22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.07 6.30 5.60 9.80	6.43
08 71 16 00-0868	EA			22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.26 6.30 5.60 9.80	6.81
08 71 16 00-0869	EA			22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.92 6.30 5.60 9.80	6.81
08 71 16 00-0870	EA			22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.59 6.30 5.60 9.80	6.81
08 71 16 00-0871	EA			22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.26 6.30 5.60 9.80	6.81
08 71 16 00-0872	EA			22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.43 6.30 5.60 9.80	7.19
08 71 16 00-0873	EA			22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.10 6.30 5.60 9.80	7.19
08 71 16 00-0874	EA			22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.77 6.30 5.60 9.80	7.19
08 71 16 00-0875	EA			22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.95 6.30 5.60 9.80	7.56
08 71 16 00-0876	EA			22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.61 6.30 5.60 9.80	7.56
08 71 16 00-0877	EA			22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.28 6.30 5.60 9.80	7.56
08 71 16 00-0878	EA			24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.73 6.30 5.60 9.80	6.43
08 71 16 00-0879	EA			24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.64 6.30 5.60 9.80	6.43
08 71 16 00-0880	EA			24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.56 6.30 5.60 9.80	6.43
08 71 16 00-0881	EA			24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.47 6.30 5.60 9.80	6.43
08 71 16 00-0882	EA			24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.89 6.30 5.60 9.80	6.81

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0883	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.80	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0884	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.71	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0885	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.63	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0886	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.04	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0887	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.95	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0888	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.86	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0889	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.28	7.56
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0890	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	97.20	7.56
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0891	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	100.11	7.56
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0892			Brass Base Material Kick Plate (08 71 16 00-0763)		
08 71 16 00-0893			Bright/Satin Brass Finish, Brass Kick Plate (08 71 16 00-0892)		
08 71 16 00-0894	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	55.88	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0895	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	58.89	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0896	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	61.92	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0897	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	64.93	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0898	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	69.46	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0899	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	72.49	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0900	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	75.50	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0901	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	78.52	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0902	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	83.05	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0903	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	86.06	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0904	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	89.08	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-0905	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.60 1.76 5.60 9.80	6.81
08 71	16 00-0906	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.63 1.76 5.60 9.80	6.81
08 71	16 00-0907	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.65 1.76 5.60 9.80	6.81
08 71	16 00-0908	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.19 1.76 5.60 9.80	5.67
08 71	16 00-0909	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.95 1.76 5.60 9.80	5.67
08 71	16 00-0910	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.73 1.76 5.60 9.80	5.67
08 71	16 00-0911	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.49 1.76 5.60 9.80	5.67
08 71	16 00-0912	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.76 1.76 5.60 9.80	6.05
08 71	16 00-0913	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.54 1.76 5.60 9.80	6.05
08 71	16 00-0914	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.32 1.76 5.60 9.80	6.05
08 71	16 00-0915	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.09 1.76 5.60 9.80	6.05
08 71	16 00-0916	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.37 1.76 5.60 9.80	6.43
08 71	16 00-0917	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.15 1.76 5.60 9.80	6.43
08 71	16 00-0918	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.93 1.76 5.60 9.80	6.43
08 71	16 00-0919	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.20 1.76 5.60 9.80	6.81
08 71	16 00-0920	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.98 1.76 5.60 9.80	6.81
08 71	16 00-0921	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.75 1.76 5.60 9.80	6.81
08 71	16 00-0922	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.46 1.76 5.60 9.80	5.67
08 71	16 00-0923	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.01 1.76 5.60 9.80	5.67
08 71	16 00-0924	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.52 1.76 5.60 9.80	5.67
08 71	16 00-0925	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.05 1.76 5.60 9.80	5.67

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0926	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.09 1.76 5.60 9.80	6.05
08 71 16 00-0927	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.62 1.76 5.60 9.80	6.05
08 71 16 00-0928	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.14 1.76 5.60 9.80	6.05
08 71 16 00-0929	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.66 1.76 5.60 9.80	6.05
08 71 16 00-0930	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.73 1.76 5.60 9.80	6.43
08 71 16 00-0931	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.24 1.76 5.60 9.80	6.43
08 71 16 00-0932	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.77 1.76 5.60 9.80	6.43
08 71 16 00-0933	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.80 1.76 5.60 9.80	6.81
08 71 16 00-0934	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.32 1.76 5.60 9.80	6.81
08 71 16 00-0935	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.86 1.76 5.60 9.80	6.81
08 71 16 00-0936	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.29 1.76 5.60 9.80	6.05
08 71 16 00-0937	EA		14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.56 1.76 5.60 9.80	6.05
08 71 16 00-0938	EA		14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.84 1.76 5.60 9.80	6.05
08 71 16 00-0939	EA		14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.13 1.76 5.60 9.80	6.05
08 71 16 00-0940	EA		14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.93 1.76 5.60 9.80	6.43
08 71 16 00-0941	EA		14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.21 1.76 5.60 9.80	6.43
08 71 16 00-0942	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.48 1.76 5.60 9.80	6.43
08 71 16 00-0943	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.77 1.76 5.60 9.80	6.43
08 71 16 00-0944	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.56 1.76 5.60 9.80	6.81
08 71 16 00-0945	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.84 1.76 5.60 9.80	6.81
08 71 16 00-0946	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.11 1.76 5.60 9.80	6.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0947 EA 14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.90 1.76 5.60 9.80	7.19
08 71 16 00-0948 EA 14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.19 1.76 5.60 9.80	7.19
08 71 16 00-0949 EA 14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.48 1.76 5.60 9.80	7.19
08 71 16 00-0950 EA 16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.57 1.76 5.60 9.80	6.05
08 71 16 00-0951 EA 16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.62 1.76 5.60 9.80	6.05
08 71 16 00-0952 EA 16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.65 1.76 5.60 9.80	6.05
08 71 16 00-0953 EA 16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.69 1.76 5.60 9.80	6.05
08 71 16 00-0954 EA 16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.24 1.76 5.60 9.80	6.43
08 71 16 00-0955 EA 16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.27 1.76 5.60 9.80	6.43
08 71 16 00-0956 EA 16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.30 1.76 5.60 9.80	6.43
08 71 16 00-0957 EA 16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.35 1.76 5.60 9.80	6.43
08 71 16 00-0958 EA 16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.89 1.76 5.60 9.80	6.81
08 71 16 00-0959 EA 16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.92 1.76 5.60 9.80	6.81
08 71 16 00-0960 EA 16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.97 1.76 5.60 9.80	6.81
08 71 16 00-0961 EA 16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.50 1.76 5.60 9.80	7.19
08 71 16 00-0962 EA 16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.53 1.76 5.60 9.80	7.19
08 71 16 00-0963 EA 16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.58 1.76 5.60 9.80	7.19
08 71 16 00-0964 EA 18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.42 6.30 5.60 9.80	6.05
08 71 16 00-0965 EA 18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.34 6.30 5.60 9.80	6.05
08 71 16 00-0966 EA 18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.26 6.30 5.60 9.80	6.05
08 71 16 00-0967 EA 18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.20 6.30 5.60 9.80	6.05

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0968	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	159.65	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0969	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	168.56	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0970	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	177.51	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0971	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	186.42	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0972	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	196.88	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0973	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	205.80	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0974	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	214.72	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0975	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	225.17	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0976	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	234.09	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0977	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	243.01	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0978	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	134.85	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0979	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	144.76	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0980	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	154.69	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0981	EA		20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	164.59	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0982	EA		20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	176.04	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0983	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	185.96	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0984	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	195.87	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0985	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	205.80	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0986	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	217.22	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0987	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	227.15	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-0988	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	237.07	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-0989	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.49 6.30 5.60 9.80	7.56
08 71	16 00-0990	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.43 6.30 5.60 9.80	7.56
08 71	16 00-0991	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.33 6.30 5.60 9.80	7.56
08 71	16 00-0992	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.77 6.30 5.60 9.80	6.43
08 71	16 00-0993	EA		22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.67 6.30 5.60 9.80	6.43
08 71	16 00-0994	EA		22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.58 6.30 5.60 9.80	6.43
08 71	16 00-0995	EA		22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.50 6.30 5.60 9.80	6.43
08 71	16 00-0996	EA		22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.91 6.30 5.60 9.80	6.81
08 71	16 00-0997	EA		22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.83 6.30 5.60 9.80	6.81
08 71	16 00-0998	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.74 6.30 5.60 9.80	6.81
08 71	16 00-0999	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.66 6.30 5.60 9.80	6.81
08 71	16 00-1000	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.07 6.30 5.60 9.80	7.19
08 71	16 00-1001	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.98 6.30 5.60 9.80	7.19
08 71	16 00-1002	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.90 6.30 5.60 9.80	7.19
08 71	16 00-1003	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.32 6.30 5.60 9.80	7.56
08 71	16 00-1004	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.24 6.30 5.60 9.80	7.56
08 71	16 00-1005	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.13 6.30 5.60 9.80	7.56
08 71	16 00-1006	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.67 6.30 5.60 9.80	6.43
08 71	16 00-1007	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.56 6.30 5.60 9.80	6.43
08 71	16 00-1008	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.48 6.30 5.60 9.80	6.43
08 71	16 00-1009	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.39 6.30 5.60 9.80	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1010	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	205.80	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1011	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	217.70	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1012	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	229.61	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1013	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	242.17	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1014	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	254.92	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1015	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	266.82	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1016	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	278.72	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1017	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	292.13	7.56
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1018	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	304.06	7.56
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1019	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	315.95	7.56
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1020			Bright/Satin Chrome Finish, Brass Kick Plate (08 71 16 00-0892)		
08 71 16 00-1021	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	59.29	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1022	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	62.62	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1023	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	65.95	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1024	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	69.28	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1025	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	74.12	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1026	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	77.44	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1027	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	80.76	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1028	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	84.09	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1029	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	88.94	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1030	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	92.28	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1031	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.61 1.76 5.60 9.80	6.43
08 71	16 00-1032	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.45 1.76 5.60 9.80	6.81
08 71	16 00-1033	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.77 1.76 5.60 9.80	6.81
08 71	16 00-1034	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.10 1.76 5.60 9.80	6.81
08 71	16 00-1035	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.45 1.76 5.60 9.80	5.67
08 71	16 00-1036	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.61 1.76 5.60 9.80	5.67
08 71	16 00-1037	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.77 1.76 5.60 9.80	5.67
08 71	16 00-1038	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.92 1.76 5.60 9.80	5.67
08 71	16 00-1039	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.60 1.76 5.60 9.80	6.05
08 71	16 00-1040	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.76 1.76 5.60 9.80	6.05
08 71	16 00-1041	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.92 1.76 5.60 9.80	6.05
08 71	16 00-1042	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.08 1.76 5.60 9.80	6.05
08 71	16 00-1043	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.75 1.76 5.60 9.80	6.43
08 71	16 00-1044	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.91 1.76 5.60 9.80	6.43
08 71	16 00-1045	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.07 1.76 5.60 9.80	6.43
08 71	16 00-1046	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.74 1.76 5.60 9.80	6.81
08 71	16 00-1047	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.90 1.76 5.60 9.80	6.81
08 71	16 00-1048	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.05 1.76 5.60 9.80	6.81
08 71	16 00-1049	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.59 1.76 5.60 9.80	5.67
08 71	16 00-1050	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.58 1.76 5.60 9.80	5.67
08 71	16 00-1051	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.59 1.76 5.60 9.80	5.67

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1052	EA		12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.58 1.76 5.60 9.80	5.67
08 71 16 00-1053	EA		12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.08 1.76 5.60 9.80	6.05
08 71 16 00-1054	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.07 1.76 5.60 9.80	6.05
08 71 16 00-1055	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.06 1.76 5.60 9.80	6.05
08 71 16 00-1056	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.05 1.76 5.60 9.80	6.05
08 71 16 00-1057	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.56 1.76 5.60 9.80	6.43
08 71 16 00-1058	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.54 1.76 5.60 9.80	6.43
08 71 16 00-1059	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.54 1.76 5.60 9.80	6.43
08 71 16 00-1060	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.04 1.76 5.60 9.80	6.81
08 71 16 00-1061	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.05 1.76 5.60 9.80	6.81
08 71 16 00-1062	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.03 1.76 5.60 9.80	6.81
08 71 16 00-1063	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.25 1.76 5.60 9.80	6.05
08 71 16 00-1064	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.09 1.76 5.60 9.80	6.05
08 71 16 00-1065	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.92 1.76 5.60 9.80	6.05
08 71 16 00-1066	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.73 1.76 5.60 9.80	6.05
08 71 16 00-1067	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.07 1.76 5.60 9.80	6.43
08 71 16 00-1068	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.90 1.76 5.60 9.80	6.43
08 71 16 00-1069	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.71 1.76 5.60 9.80	6.43
08 71 16 00-1070	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.54 1.76 5.60 9.80	6.43
08 71 16 00-1071	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.89 1.76 5.60 9.80	6.81
08 71 16 00-1072	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.71 1.76 5.60 9.80	6.81



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1073	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.52 1.76 5.60 9.80	6.81
08 71 16 00-1074	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.36 1.76 5.60 9.80	7.19
08 71 16 00-1075	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.68 1.76 5.60 9.80	7.19
08 71 16 00-1076	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.51 1.76 5.60 9.80	7.19
08 71 16 00-1077	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.42 1.76 5.60 9.80	6.05
08 71 16 00-1078	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.07 1.76 5.60 9.80	6.05
08 71 16 00-1079	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.72 1.76 5.60 9.80	6.05
08 71 16 00-1080	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.38 1.76 5.60 9.80	6.05
08 71 16 00-1081	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.54 1.76 5.60 9.80	6.43
08 71 16 00-1082	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.22 1.76 5.60 9.80	6.43
08 71 16 00-1083	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.87 1.76 5.60 9.80	6.43
08 71 16 00-1084	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.52 1.76 5.60 9.80	6.43
08 71 16 00-1085	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.68 1.76 5.60 9.80	6.81
08 71 16 00-1086	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.34 1.76 5.60 9.80	6.81
08 71 16 00-1087	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.00 1.76 5.60 9.80	6.81
08 71 16 00-1088	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.15 1.76 5.60 9.80	7.19
08 71 16 00-1089	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.82 1.76 5.60 9.80	7.19
08 71 16 00-1090	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.48 1.76 5.60 9.80	7.19
08 71 16 00-1091	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.69 6.30 5.60 9.80	6.05
08 71 16 00-1092	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.66 6.30 5.60 9.80	6.05
08 71 16 00-1093	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.60 6.30 5.60 9.80	6.05

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1094	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	163.57	6.05
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1095	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	175.03	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1096	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	184.98	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1097	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	194.94	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1098	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	204.89	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1099	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	216.35	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1100	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	226.31	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1101	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	236.27	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1102	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	247.73	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1103	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	257.69	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1104	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	267.64	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1105	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	147.37	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1106	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	158.45	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1107	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	169.50	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1108	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	180.57	6.43
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1109	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	193.13	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1110	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	204.19	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1111	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	215.25	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1112	EA		20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	226.31	6.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1113	EA		20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	238.90	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1114	EA		20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	249.94	7.19
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1115	EA		20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.00 6.30 5.60 9.80	7.19
08 71	16 00-1116	EA		20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.58 6.30 5.60 9.80	7.56
08 71	16 00-1117	EA		20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.63 6.30 5.60 9.80	7.56
08 71	16 00-1118	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.70 6.30 5.60 9.80	7.56
08 71	16 00-1119	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.54 6.30 5.60 9.80	6.43
08 71	16 00-1120	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.72 6.30 5.60 9.80	6.43
08 71	16 00-1121	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.88 6.30 5.60 9.80	6.43
08 71	16 00-1122	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.04 6.30 5.60 9.80	6.43
08 71	16 00-1123	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.73 6.30 5.60 9.80	6.81
08 71	16 00-1124	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.89 6.30 5.60 9.80	6.81
08 71	16 00-1125	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.06 6.30 5.60 9.80	6.81
08 71	16 00-1126	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.22 6.30 5.60 9.80	6.81
08 71	16 00-1127	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.91 6.30 5.60 9.80	7.19
08 71	16 00-1128	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.07 6.30 5.60 9.80	7.19
08 71	16 00-1129	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.24 6.30 5.60 9.80	7.19
08 71	16 00-1130	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.91 6.30 5.60 9.80	7.56
08 71	16 00-1131	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.06 6.30 5.60 9.80	7.56
08 71	16 00-1132	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.24 6.30 5.60 9.80	7.56
08 71	16 00-1133	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.72 6.30 5.60 9.80	6.43
08 71	16 00-1134	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.98 6.30 5.60 9.80	6.43
08 71	16 00-1135	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.26 6.30 5.60 9.80	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1136	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.53 6.30 5.60 9.80	6.43
08 71 16 00-1137	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.31 6.30 5.60 9.80	6.81
08 71 16 00-1138	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.58 6.30 5.60 9.80	6.81
08 71 16 00-1139	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.87 6.30 5.60 9.80	6.81
08 71 16 00-1140	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.13 6.30 5.60 9.80	6.81
08 71 16 00-1141	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.91 6.30 5.60 9.80	7.19
08 71 16 00-1142	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.19 6.30 5.60 9.80	7.19
08 71 16 00-1143	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.46 6.30 5.60 9.80	7.19
08 71 16 00-1144	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.24 6.30 5.60 9.80	7.56
08 71 16 00-1145	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.52 6.30 5.60 9.80	7.56
08 71 16 00-1146	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.79 6.30 5.60 9.80	7.56
08 71 16 00-1147			Satin/Dark Bronze Finish, Brass Kick Plate <small>(08 71 16 00-0892)</small>		
08 71 16 00-1148	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.94 1.76 5.60 9.80	5.67
08 71 16 00-1149	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.31 1.76 5.60 9.80	5.67
08 71 16 00-1150	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.72 1.76 5.60 9.80	5.67
08 71 16 00-1151	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.09 1.76 5.60 9.80	5.67
08 71 16 00-1152	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.00 1.76 5.60 9.80	6.05
08 71 16 00-1153	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.38 1.76 5.60 9.80	6.05
08 71 16 00-1154	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.77 1.76 5.60 9.80	6.05
08 71 16 00-1155	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.15 1.76 5.60 9.80	6.05
08 71 16 00-1156	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.04 1.76 5.60 9.80	6.43



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1157	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.44 1.76 5.60 9.80	6.43
08 71	16 00-1158	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.83 1.76 5.60 9.80	6.43
08 71	16 00-1159	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.73 1.76 5.60 9.80	6.81
08 71	16 00-1160	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.11 1.76 5.60 9.80	6.81
08 71	16 00-1161	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.50 1.76 5.60 9.80	6.81
08 71	16 00-1162	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.25 1.76 5.60 9.80	5.67
08 71	16 00-1163	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.49 1.76 5.60 9.80	5.67
08 71	16 00-1164	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.71 1.76 5.60 9.80	5.67
08 71	16 00-1165	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.94 1.76 5.60 9.80	5.67
08 71	16 00-1166	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.68 1.76 5.60 9.80	6.05
08 71	16 00-1167	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.92 1.76 5.60 9.80	6.05
08 71	16 00-1168	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.15 1.76 5.60 9.80	6.05
08 71	16 00-1169	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.38 1.76 5.60 9.80	6.05
08 71	16 00-1170	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.14 1.76 5.60 9.80	6.43
08 71	16 00-1171	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.37 1.76 5.60 9.80	6.43
08 71	16 00-1172	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.59 1.76 5.60 9.80	6.43
08 71	16 00-1173	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.35 1.76 5.60 9.80	6.81
08 71	16 00-1174	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.58 1.76 5.60 9.80	6.81
08 71	16 00-1175	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.81 1.76 5.60 9.80	6.81
08 71	16 00-1176	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.56 1.76 5.60 9.80	5.67
08 71	16 00-1177	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.64 1.76 5.60 9.80	5.67

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1178	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.71 1.76 5.60 9.80	5.67
08 71	16 00-1179	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.80 1.76 5.60 9.80	5.67
08 71	16 00-1180	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.38 1.76 5.60 9.80	6.05
08 71	16 00-1181	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.47 1.76 5.60 9.80	6.05
08 71	16 00-1182	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.55 1.76 5.60 9.80	6.05
08 71	16 00-1183	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.62 1.76 5.60 9.80	6.05
08 71	16 00-1184	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.23 1.76 5.60 9.80	6.43
08 71	16 00-1185	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.30 1.76 5.60 9.80	6.43
08 71	16 00-1186	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.37 1.76 5.60 9.80	6.43
08 71	16 00-1187	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.96 1.76 5.60 9.80	6.81
08 71	16 00-1188	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.05 1.76 5.60 9.80	6.81
08 71	16 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.12 1.76 5.60 9.80	6.81
08 71	16 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.37 1.76 5.60 9.80	6.05
08 71	16 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.31 1.76 5.60 9.80	6.05
08 71	16 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.23 1.76 5.60 9.80	6.05
08 71	16 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.15 1.76 5.60 9.80	6.05
08 71	16 00-1194	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.59 1.76 5.60 9.80	6.43
08 71	16 00-1195	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.52 1.76 5.60 9.80	6.43
08 71	16 00-1196	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.45 1.76 5.60 9.80	6.43
08 71	16 00-1197	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.37 1.76 5.60 9.80	6.43
08 71	16 00-1198	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.81 1.76 5.60 9.80	6.81



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1199	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.73 1.76 5.60 9.80	6.81
08 71	16 00-1200	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.65 1.76 5.60 9.80	6.81
08 71	16 00-1201	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.10 1.76 5.60 9.80	7.19
08 71	16 00-1202	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.04 1.76 5.60 9.80	7.19
08 71	16 00-1203	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.96 1.76 5.60 9.80	7.19
08 71	16 00-1204	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.70 1.76 5.60 9.80	6.05
08 71	16 00-1205	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.47 1.76 5.60 9.80	6.05
08 71	16 00-1206	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.23 1.76 5.60 9.80	6.05
08 71	16 00-1207	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.00 1.76 5.60 9.80	6.05
08 71	16 00-1208	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.30 1.76 5.60 9.80	6.43
08 71	16 00-1209	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.07 1.76 5.60 9.80	6.43
08 71	16 00-1210	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.84 1.76 5.60 9.80	6.43
08 71	16 00-1211	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.61 1.76 5.60 9.80	6.43
08 71	16 00-1212	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.91 1.76 5.60 9.80	6.81
08 71	16 00-1213	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.68 1.76 5.60 9.80	6.81
08 71	16 00-1214	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.45 1.76 5.60 9.80	6.81
08 71	16 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.71 1.76 5.60 9.80	7.19
08 71	16 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.50 1.76 5.60 9.80	7.19
08 71	16 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.27 1.76 5.60 9.80	7.19
08 71	16 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.69 6.30 5.60 9.80	6.05
08 71	16 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.66 6.30 5.60 9.80	6.05

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1220	EA		18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.60 6.30 5.60 9.80	6.05
08 71 16 00-1221	EA		18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.57 6.30 5.60 9.80	6.05
08 71 16 00-1222	EA		18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.03 6.30 5.60 9.80	6.43
08 71 16 00-1223	EA		18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.98 6.30 5.60 9.80	6.43
08 71 16 00-1224	EA		18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.94 6.30 5.60 9.80	6.43
08 71 16 00-1225	EA		18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.89 6.30 5.60 9.80	6.43
08 71 16 00-1226	EA		18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.35 6.30 5.60 9.80	6.81
08 71 16 00-1227	EA		18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.31 6.30 5.60 9.80	6.81
08 71 16 00-1228	EA		18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.27 6.30 5.60 9.80	6.81
08 71 16 00-1229	EA		18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.73 6.30 5.60 9.80	7.19
08 71 16 00-1230	EA		18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.69 6.30 5.60 9.80	7.19
08 71 16 00-1231	EA		18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.64 6.30 5.60 9.80	7.19
08 71 16 00-1232	EA		20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.37 6.30 5.60 9.80	6.43
08 71 16 00-1233	EA		20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.45 6.30 5.60 9.80	6.43
08 71 16 00-1234	EA		20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.50 6.30 5.60 9.80	6.43
08 71 16 00-1235	EA		20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.57 6.30 5.60 9.80	6.43
08 71 16 00-1236	EA		20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.13 6.30 5.60 9.80	6.81
08 71 16 00-1237	EA		20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.19 6.30 5.60 9.80	6.81
08 71 16 00-1238	EA		20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.25 6.30 5.60 9.80	6.81
08 71 16 00-1239	EA		20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.31 6.30 5.60 9.80	6.81
08 71 16 00-1240	EA		20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.90 6.30 5.60 9.80	7.19



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1241	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.94 6.30 5.60 9.80	7.19
08 71	16 00-1242	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.00 6.30 5.60 9.80	7.19
08 71	16 00-1243	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.58 6.30 5.60 9.80	7.56
08 71	16 00-1244	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.63 6.30 5.60 9.80	7.56
08 71	16 00-1245	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.70 6.30 5.60 9.80	7.56
08 71	16 00-1246	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.54 6.30 5.60 9.80	6.43
08 71	16 00-1247	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.72 6.30 5.60 9.80	6.43
08 71	16 00-1248	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.88 6.30 5.60 9.80	6.43
08 71	16 00-1249	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.04 6.30 5.60 9.80	6.43
08 71	16 00-1250	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.73 6.30 5.60 9.80	6.81
08 71	16 00-1251	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.89 6.30 5.60 9.80	6.81
08 71	16 00-1252	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.06 6.30 5.60 9.80	6.81
08 71	16 00-1253	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.22 6.30 5.60 9.80	6.81
08 71	16 00-1254	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.91 6.30 5.60 9.80	7.19
08 71	16 00-1255	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.07 6.30 5.60 9.80	7.19
08 71	16 00-1256	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.24 6.30 5.60 9.80	7.19
08 71	16 00-1257	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.91 6.30 5.60 9.80	7.56
08 71	16 00-1258	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.06 6.30 5.60 9.80	7.56
08 71	16 00-1259	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.24 6.30 5.60 9.80	7.56
08 71	16 00-1260	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.72 6.30 5.60 9.80	6.43
08 71	16 00-1261	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.98 6.30 5.60 9.80	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1262	EA		24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.26 6.30 5.60 9.80	6.43
08 71 16 00-1263	EA		24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.53 6.30 5.60 9.80	6.43
08 71 16 00-1264	EA		24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.31 6.30 5.60 9.80	6.81
08 71 16 00-1265	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.58 6.30 5.60 9.80	6.81
08 71 16 00-1266	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.87 6.30 5.60 9.80	6.81
08 71 16 00-1267	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.13 6.30 5.60 9.80	6.81
08 71 16 00-1268	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.91 6.30 5.60 9.80	7.19
08 71 16 00-1269	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.19 6.30 5.60 9.80	7.19
08 71 16 00-1270	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.46 6.30 5.60 9.80	7.19
08 71 16 00-1271	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.24 6.30 5.60 9.80	7.56
08 71 16 00-1272	EA		24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.52 6.30 5.60 9.80	7.56
08 71 16 00-1273	EA		24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.79 6.30 5.60 9.80	7.56
08 71 16 00-1274			Satin Nickel Finish, Brass Kick Plate <small>(08 71 16 00-0892)</small>		
08 71 16 00-1275	EA		8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.94 1.76 5.60 9.80	5.67
08 71 16 00-1276	EA		8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.31 1.76 5.60 9.80	5.67
08 71 16 00-1277	EA		8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.72 1.76 5.60 9.80	5.67
08 71 16 00-1278	EA		8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.09 1.76 5.60 9.80	5.67
08 71 16 00-1279	EA		8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.00 1.76 5.60 9.80	6.05
08 71 16 00-1280	EA		8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.38 1.76 5.60 9.80	6.05
08 71 16 00-1281	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.77 1.76 5.60 9.80	6.05
08 71 16 00-1282	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.15 1.76 5.60 9.80	6.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1283 EA 8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.04 1.76 5.60 9.80	6.43
08 71 16 00-1284 EA 8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.44 1.76 5.60 9.80	6.43
08 71 16 00-1285 EA 8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.83 1.76 5.60 9.80	6.43
08 71 16 00-1286 EA 8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.73 1.76 5.60 9.80	6.81
08 71 16 00-1287 EA 8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.11 1.76 5.60 9.80	6.81
08 71 16 00-1288 EA 8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.50 1.76 5.60 9.80	6.81
08 71 16 00-1289 EA 10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.25 1.76 5.60 9.80	5.67
08 71 16 00-1290 EA 10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.49 1.76 5.60 9.80	5.67
08 71 16 00-1291 EA 10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.71 1.76 5.60 9.80	5.67
08 71 16 00-1292 EA 10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.94 1.76 5.60 9.80	5.67
08 71 16 00-1293 EA 10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.68 1.76 5.60 9.80	6.05
08 71 16 00-1294 EA 10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.92 1.76 5.60 9.80	6.05
08 71 16 00-1295 EA 10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.15 1.76 5.60 9.80	6.05
08 71 16 00-1296 EA 10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.38 1.76 5.60 9.80	6.05
08 71 16 00-1297 EA 10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.14 1.76 5.60 9.80	6.43
08 71 16 00-1298 EA 10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.37 1.76 5.60 9.80	6.43
08 71 16 00-1299 EA 10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.59 1.76 5.60 9.80	6.43
08 71 16 00-1300 EA 10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.35 1.76 5.60 9.80	6.81
08 71 16 00-1301 EA 10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.58 1.76 5.60 9.80	6.81
08 71 16 00-1302 EA 10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.81 1.76 5.60 9.80	6.81
08 71 16 00-1303 EA 12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.56 1.76 5.60 9.80	5.67

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1304	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	83.64	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1305	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	88.71	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1306	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	93.80	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1307	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	100.38	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1308	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	105.47	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1309	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	110.55	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1310	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	115.62	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1311	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	122.23	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1312	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	127.30	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1313	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	132.37	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1314	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	138.96	6.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1315	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	144.05	6.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1316	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	149.12	6.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1317	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	89.37	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1318	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	95.31	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1319	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	101.23	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1320	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	107.15	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1321	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	114.59	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1322	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	120.52	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1323	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	126.45	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1324	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	132.37	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1325	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.81 1.76 5.60 9.80	6.81
08 71	16 00-1326	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.73 1.76 5.60 9.80	6.81
08 71	16 00-1327	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.65 1.76 5.60 9.80	6.81
08 71	16 00-1328	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.10 1.76 5.60 9.80	7.19
08 71	16 00-1329	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.04 1.76 5.60 9.80	7.19
08 71	16 00-1330	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.96 1.76 5.60 9.80	7.19
08 71	16 00-1331	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.70 1.76 5.60 9.80	6.05
08 71	16 00-1332	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.47 1.76 5.60 9.80	6.05
08 71	16 00-1333	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.23 1.76 5.60 9.80	6.05
08 71	16 00-1334	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.00 1.76 5.60 9.80	6.05
08 71	16 00-1335	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.30 1.76 5.60 9.80	6.43
08 71	16 00-1336	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.07 1.76 5.60 9.80	6.43
08 71	16 00-1337	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.84 1.76 5.60 9.80	6.43
08 71	16 00-1338	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.61 1.76 5.60 9.80	6.43
08 71	16 00-1339	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.91 1.76 5.60 9.80	6.81
08 71	16 00-1340	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.68 1.76 5.60 9.80	6.81
08 71	16 00-1341	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.45 1.76 5.60 9.80	6.81
08 71	16 00-1342	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.71 1.76 5.60 9.80	7.19
08 71	16 00-1343	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.50 1.76 5.60 9.80	7.19
08 71	16 00-1344	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.27 1.76 5.60 9.80	7.19
08 71	16 00-1345	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.69 6.30 5.60 9.80	6.05

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1346	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.66 6.30 5.60 9.80	6.05
08 71 16 00-1347	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.60 6.30 5.60 9.80	6.05
08 71 16 00-1348	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.57 6.30 5.60 9.80	6.05
08 71 16 00-1349	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.03 6.30 5.60 9.80	6.43
08 71 16 00-1350	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.98 6.30 5.60 9.80	6.43
08 71 16 00-1351	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.94 6.30 5.60 9.80	6.43
08 71 16 00-1352	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.89 6.30 5.60 9.80	6.43
08 71 16 00-1353	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.35 6.30 5.60 9.80	6.81
08 71 16 00-1354	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.31 6.30 5.60 9.80	6.81
08 71 16 00-1355	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.27 6.30 5.60 9.80	6.81
08 71 16 00-1356	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.73 6.30 5.60 9.80	7.19
08 71 16 00-1357	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.69 6.30 5.60 9.80	7.19
08 71 16 00-1358	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.64 6.30 5.60 9.80	7.19
08 71 16 00-1359	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.37 6.30 5.60 9.80	6.43
08 71 16 00-1360	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.45 6.30 5.60 9.80	6.43
08 71 16 00-1361	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.50 6.30 5.60 9.80	6.43
08 71 16 00-1362	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.57 6.30 5.60 9.80	6.43
08 71 16 00-1363	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.13 6.30 5.60 9.80	6.81
08 71 16 00-1364	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.19 6.30 5.60 9.80	6.81
08 71 16 00-1365	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.25 6.30 5.60 9.80	6.81
08 71 16 00-1366	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.31 6.30 5.60 9.80	6.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1367	EA			20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.90 6.30 5.60 9.80	7.19
08 71 16 00-1368	EA			20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.94 6.30 5.60 9.80	7.19
08 71 16 00-1369	EA			20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.00 6.30 5.60 9.80	7.19
08 71 16 00-1370	EA			20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.58 6.30 5.60 9.80	7.56
08 71 16 00-1371	EA			20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.63 6.30 5.60 9.80	7.56
08 71 16 00-1372	EA			20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.70 6.30 5.60 9.80	7.56
08 71 16 00-1373	EA			22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.54 6.30 5.60 9.80	6.43
08 71 16 00-1374	EA			22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.72 6.30 5.60 9.80	6.43
08 71 16 00-1375	EA			22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.88 6.30 5.60 9.80	6.43
08 71 16 00-1376	EA			22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.04 6.30 5.60 9.80	6.43
08 71 16 00-1377	EA			22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.73 6.30 5.60 9.80	6.81
08 71 16 00-1378	EA			22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.89 6.30 5.60 9.80	6.81
08 71 16 00-1379	EA			22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.06 6.30 5.60 9.80	6.81
08 71 16 00-1380	EA			22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.22 6.30 5.60 9.80	6.81
08 71 16 00-1381	EA			22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.91 6.30 5.60 9.80	7.19
08 71 16 00-1382	EA			22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.07 6.30 5.60 9.80	7.19
08 71 16 00-1383	EA			22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.24 6.30 5.60 9.80	7.19
08 71 16 00-1384	EA			22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.91 6.30 5.60 9.80	7.56
08 71 16 00-1385	EA			22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.06 6.30 5.60 9.80	7.56
08 71 16 00-1386	EA			22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.24 6.30 5.60 9.80	7.56
08 71 16 00-1387	EA			24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.72 6.30 5.60 9.80	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1388	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.98 6.30 5.60 9.80	6.43
08 71 16 00-1389	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.26 6.30 5.60 9.80	6.43
08 71 16 00-1390	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.53 6.30 5.60 9.80	6.43
08 71 16 00-1391	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.31 6.30 5.60 9.80	6.81
08 71 16 00-1392	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.58 6.30 5.60 9.80	6.81
08 71 16 00-1393	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.87 6.30 5.60 9.80	6.81
08 71 16 00-1394	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.13 6.30 5.60 9.80	6.81
08 71 16 00-1395	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.91 6.30 5.60 9.80	7.19
08 71 16 00-1396	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.19 6.30 5.60 9.80	7.19
08 71 16 00-1397	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.46 6.30 5.60 9.80	7.19
08 71 16 00-1398	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.24 6.30 5.60 9.80	7.56
08 71 16 00-1399	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.52 6.30 5.60 9.80	7.56
08 71 16 00-1400	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.79 6.30 5.60 9.80	7.56
08 71 16 00-1401			Stainless Base Material Kick Plate (08 71 16 00-0763)		
08 71 16 00-1402			Satin Stainless Finish, Stainless Kick Plate (08 71 16 00-1401)		
08 71 16 00-1403	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.31 1.76 5.60 9.80	5.67
08 71 16 00-1404	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.38 1.76 5.60 9.80	5.67
08 71 16 00-1405	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.42 1.76 5.60 9.80	5.67
08 71 16 00-1406	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.51 1.76 5.60 9.80	5.67
08 71 16 00-1407	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.07 1.76 5.60 9.80	6.05
08 71 16 00-1408	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.10 1.76 5.60 9.80	6.05
08 71 16 00-1409	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.19 1.76 5.60 9.80	6.05



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1410	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.24 1.76 5.60 9.80	6.05
08 71	16 00-1411	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.82 1.76 5.60 9.80	6.43
08 71	16 00-1412	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.88 1.76 5.60 9.80	6.43
08 71	16 00-1413	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.93 1.76 5.60 9.80	6.43
08 71	16 00-1414	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.50 1.76 5.60 9.80	6.81
08 71	16 00-1415	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.56 1.76 5.60 9.80	6.81
08 71	16 00-1416	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.61 1.76 5.60 9.80	6.81
08 71	16 00-1417	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.22 1.76 5.60 9.80	5.67
08 71	16 00-1418	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.56 1.76 5.60 9.80	5.67
08 71	16 00-1419	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.88 1.76 5.60 9.80	5.67
08 71	16 00-1420	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.19 1.76 5.60 9.80	5.67
08 71	16 00-1421	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.03 1.76 5.60 9.80	6.05
08 71	16 00-1422	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.36 1.76 5.60 9.80	6.05
08 71	16 00-1423	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.67 1.76 5.60 9.80	6.05
08 71	16 00-1424	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.98 1.76 5.60 9.80	6.05
08 71	16 00-1425	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.85 1.76 5.60 9.80	6.43
08 71	16 00-1426	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.16 1.76 5.60 9.80	6.43
08 71	16 00-1427	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.47 1.76 5.60 9.80	6.43
08 71	16 00-1428	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.31 1.76 5.60 9.80	6.81
08 71	16 00-1429	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.64 1.76 5.60 9.80	6.81
08 71	16 00-1430	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.95 1.76 5.60 9.80	6.81

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1431	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	40.14	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1432	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	41.73	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1433	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.31	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1434	EA		12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.90	5.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1435	EA		12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.98	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1436	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.58	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1437	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.15	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1438	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.75	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1439	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.84	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1440	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.44	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1441	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.04	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1442	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.12	6.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1443	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.72	6.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1444	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.29	6.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1445	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.56	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1446	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	46.41	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1447	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.27	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1448	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.11	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1449	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.47	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1450	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.33	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1451	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.18	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1452	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.04 1.76 5.60 9.80	6.43
08 71	16 00-1453	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.41 1.76 5.60 9.80	6.81
08 71	16 00-1454	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.23 1.76 5.60 9.80	6.81
08 71	16 00-1455	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.09 1.76 5.60 9.80	6.81
08 71	16 00-1456	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.46 1.76 5.60 9.80	7.19
08 71	16 00-1457	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.31 1.76 5.60 9.80	7.19
08 71	16 00-1458	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.17 1.76 5.60 9.80	7.19
08 71	16 00-1459	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.47 1.76 5.60 9.80	6.05
08 71	16 00-1460	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.58 1.76 5.60 9.80	6.05
08 71	16 00-1461	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.70 1.76 5.60 9.80	6.05
08 71	16 00-1462	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.81 1.76 5.60 9.80	6.05
08 71	16 00-1463	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.44 1.76 5.60 9.80	6.43
08 71	16 00-1464	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.55 1.76 5.60 9.80	6.43
08 71	16 00-1465	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.67 1.76 5.60 9.80	6.43
08 71	16 00-1466	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.78 1.76 5.60 9.80	6.43
08 71	16 00-1467	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.40 1.76 5.60 9.80	6.81
08 71	16 00-1468	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.53 1.76 5.60 9.80	6.81
08 71	16 00-1469	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.66 1.76 5.60 9.80	6.81
08 71	16 00-1470	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.28 1.76 5.60 9.80	7.19
08 71	16 00-1471	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.39 1.76 5.60 9.80	7.19
08 71	16 00-1472	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.51 1.76 5.60 9.80	7.19

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1473	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.57 6.30 5.60 9.80	6.05
08 71 16 00-1474	EA		18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.07 6.30 5.60 9.80	6.05
08 71 16 00-1475	EA		18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.55 6.30 5.60 9.80	6.05
08 71 16 00-1476	EA		18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.04 6.30 5.60 9.80	6.05
08 71 16 00-1477	EA		18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.06 6.30 5.60 9.80	6.43
08 71 16 00-1478	EA		18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.54 6.30 5.60 9.80	6.43
08 71 16 00-1479	EA		18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.02 6.30 5.60 9.80	6.43
08 71 16 00-1480	EA		18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.50 6.30 5.60 9.80	6.43
08 71 16 00-1481	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.51 6.30 5.60 9.80	6.81
08 71 16 00-1482	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.00 6.30 5.60 9.80	6.81
08 71 16 00-1483	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.48 6.30 5.60 9.80	6.81
08 71 16 00-1484	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.49 6.30 5.60 9.80	7.19
08 71 16 00-1485	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.99 6.30 5.60 9.80	7.19
08 71 16 00-1486	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.46 6.30 5.60 9.80	7.19
08 71 16 00-1487	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.14 6.30 5.60 9.80	6.43
08 71 16 00-1488	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.90 6.30 5.60 9.80	6.43
08 71 16 00-1489	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.67 6.30 5.60 9.80	6.43
08 71 16 00-1490	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.42 6.30 5.60 9.80	6.43
08 71 16 00-1491	EA		20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.71 6.30 5.60 9.80	6.81
08 71 16 00-1492	EA		20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.48 6.30 5.60 9.80	6.81
08 71 16 00-1493	EA		20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.23 6.30 5.60 9.80	6.81



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1494	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.00 6.30 5.60 9.80	6.81
08 71 16 00-1495	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.27 6.30 5.60 9.80	7.19
08 71 16 00-1496	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.04 6.30 5.60 9.80	7.19
08 71 16 00-1497	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.82 6.30 5.60 9.80	7.19
08 71 16 00-1498	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.08 6.30 5.60 9.80	7.56
08 71 16 00-1499	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.85 6.30 5.60 9.80	7.56
08 71 16 00-1500	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.61 6.30 5.60 9.80	7.56
08 71 16 00-1501	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.17 6.30 5.60 9.80	6.43
08 71 16 00-1502	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.23 6.30 5.60 9.80	6.43
08 71 16 00-1503	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.25 6.30 5.60 9.80	6.43
08 71 16 00-1504	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.31 6.30 5.60 9.80	6.43
08 71 16 00-1505	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.84 6.30 5.60 9.80	6.81
08 71 16 00-1506	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.90 6.30 5.60 9.80	6.81
08 71 16 00-1507	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.93 6.30 5.60 9.80	6.81
08 71 16 00-1508	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.98 6.30 5.60 9.80	6.81
08 71 16 00-1509	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.52 6.30 5.60 9.80	7.19
08 71 16 00-1510	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.57 6.30 5.60 9.80	7.19
08 71 16 00-1511	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.62 6.30 5.60 9.80	7.19
08 71 16 00-1512	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.16 6.30 5.60 9.80	7.56
08 71 16 00-1513	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.21 6.30 5.60 9.80	7.56
08 71 16 00-1514	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.24 6.30 5.60 9.80	7.56

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1515	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.23 6.30 5.60 9.80	6.43
08 71 16 00-1516	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.54 6.30 5.60 9.80	6.43
08 71 16 00-1517	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.86 6.30 5.60 9.80	6.43
08 71 16 00-1518	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.17 6.30 5.60 9.80	6.43
08 71 16 00-1519	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.00 6.30 5.60 9.80	6.81
08 71 16 00-1520	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.32 6.30 5.60 9.80	6.81
08 71 16 00-1521	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.64 6.30 5.60 9.80	6.81
08 71 16 00-1522	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.95 6.30 5.60 9.80	6.81
08 71 16 00-1523	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.78 6.30 5.60 9.80	7.19
08 71 16 00-1524	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.10 6.30 5.60 9.80	7.19
08 71 16 00-1525	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.42 6.30 5.60 9.80	7.19
08 71 16 00-1526	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.24 6.30 5.60 9.80	7.56
08 71 16 00-1527	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.56 6.30 5.60 9.80	7.56
08 71 16 00-1528	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.89 6.30 5.60 9.80	7.56
08 71 16 00-1529			Bright Stainless Finish, Stainless Kick Plate <small>(08 71 16 00-1401)</small>		
08 71 16 00-1530	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.48 1.76 5.60 9.80	5.67
08 71 16 00-1531	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.92 1.76 5.60 9.80	5.67
08 71 16 00-1532	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.35 1.76 5.60 9.80	5.67
08 71 16 00-1533	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.78 1.76 5.60 9.80	5.67
08 71 16 00-1534	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.72 1.76 5.60 9.80	6.05
08 71 16 00-1535	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.17 1.76 5.60 9.80	6.05



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1536	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.59 1.76 5.60 9.80	6.05
08 71	16 00-1537	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.04 1.76 5.60 9.80	6.05
08 71	16 00-1538	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.97 1.76 5.60 9.80	6.43
08 71	16 00-1539	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.42 1.76 5.60 9.80	6.43
08 71	16 00-1540	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.87 1.76 5.60 9.80	6.43
08 71	16 00-1541	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.80 1.76 5.60 9.80	6.81
08 71	16 00-1542	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.24 1.76 5.60 9.80	6.81
08 71	16 00-1543	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.66 1.76 5.60 9.80	6.81
08 71	16 00-1544	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.17 1.76 5.60 9.80	5.67
08 71	16 00-1545	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.21 1.76 5.60 9.80	5.67
08 71	16 00-1546	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.26 1.76 5.60 9.80	5.67
08 71	16 00-1547	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.31 1.76 5.60 9.80	5.67
08 71	16 00-1548	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.85 1.76 5.60 9.80	6.05
08 71	16 00-1549	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.90 1.76 5.60 9.80	6.05
08 71	16 00-1550	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.95 1.76 5.60 9.80	6.05
08 71	16 00-1551	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.00 1.76 5.60 9.80	6.05
08 71	16 00-1552	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.55 1.76 5.60 9.80	6.43
08 71	16 00-1553	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.60 1.76 5.60 9.80	6.43
08 71	16 00-1554	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.65 1.76 5.60 9.80	6.43
08 71	16 00-1555	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.19 1.76 5.60 9.80	6.81
08 71	16 00-1556	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.24 1.76 5.60 9.80	6.81

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1557	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.29 1.76 5.60 9.80	6.81
08 71 16 00-1558	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.86 1.76 5.60 9.80	5.67
08 71 16 00-1559	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.53 1.76 5.60 9.80	5.67
08 71 16 00-1560	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.18 1.76 5.60 9.80	5.67
08 71 16 00-1561	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.84 1.76 5.60 9.80	5.67
08 71 16 00-1562	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.00 1.76 5.60 9.80	6.05
08 71 16 00-1563	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.63 1.76 5.60 9.80	6.05
08 71 16 00-1564	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.30 1.76 5.60 9.80	6.05
08 71 16 00-1565	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.95 1.76 5.60 9.80	6.05
08 71 16 00-1566	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.12 1.76 5.60 9.80	6.43
08 71 16 00-1567	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.78 1.76 5.60 9.80	6.43
08 71 16 00-1568	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.42 1.76 5.60 9.80	6.43
08 71 16 00-1569	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.60 1.76 5.60 9.80	6.81
08 71 16 00-1570	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.24 1.76 5.60 9.80	6.81
08 71 16 00-1571	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.89 1.76 5.60 9.80	6.81
08 71 16 00-1572	EA		14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.08 1.76 5.60 9.80	6.05
08 71 16 00-1573	EA		14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.35 1.76 5.60 9.80	6.05
08 71 16 00-1574	EA		14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.61 1.76 5.60 9.80	6.05
08 71 16 00-1575	EA		14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.87 1.76 5.60 9.80	6.05
08 71 16 00-1576	EA		14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.65 1.76 5.60 9.80	6.43
08 71 16 00-1577	EA		14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.91 1.76 5.60 9.80	6.43



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1578	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.17 1.76 5.60 9.80	6.43
08 71	16 00-1579	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.42 1.76 5.60 9.80	6.43
08 71	16 00-1580	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.21 1.76 5.60 9.80	6.81
08 71	16 00-1581	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.47 1.76 5.60 9.80	6.81
08 71	16 00-1582	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.73 1.76 5.60 9.80	6.81
08 71	16 00-1583	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.50 1.76 5.60 9.80	7.19
08 71	16 00-1584	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.75 1.76 5.60 9.80	7.19
08 71	16 00-1585	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.01 1.76 5.60 9.80	7.19
08 71	16 00-1586	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.77 1.76 5.60 9.80	6.05
08 71	16 00-1587	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.63 1.76 5.60 9.80	6.05
08 71	16 00-1588	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.53 1.76 5.60 9.80	6.05
08 71	16 00-1589	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.39 1.76 5.60 9.80	6.05
08 71	16 00-1590	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.78 1.76 5.60 9.80	6.43
08 71	16 00-1591	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.65 1.76 5.60 9.80	6.43
08 71	16 00-1592	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.51 1.76 5.60 9.80	6.43
08 71	16 00-1593	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.38 1.76 5.60 9.80	6.43
08 71	16 00-1594	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.77 1.76 5.60 9.80	6.81
08 71	16 00-1595	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.63 1.76 5.60 9.80	6.81
08 71	16 00-1596	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.50 1.76 5.60 9.80	6.81
08 71	16 00-1597	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.88 1.76 5.60 9.80	7.19
08 71	16 00-1598	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.76 1.76 5.60 9.80	7.19

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1599	EA		16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.64 1.76 5.60 9.80	7.19
08 71 16 00-1600	EA		18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.18 6.30 5.60 9.80	6.05
08 71 16 00-1601	EA		18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.75 6.30 5.60 9.80	6.05
08 71 16 00-1602	EA		18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.27 6.30 5.60 9.80	6.05
08 71 16 00-1603	EA		18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.84 6.30 5.60 9.80	6.05
08 71 16 00-1604	EA		18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.90 6.30 5.60 9.80	6.43
08 71 16 00-1605	EA		18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.42 6.30 5.60 9.80	6.43
08 71 16 00-1606	EA		18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.99 6.30 5.60 9.80	6.43
08 71 16 00-1607	EA		18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.68 6.30 5.60 9.80	6.43
08 71 16 00-1608	EA		18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.59 6.30 5.60 9.80	6.81
08 71 16 00-1609	EA		18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.13 6.30 5.60 9.80	6.81
08 71 16 00-1610	EA		18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.67 6.30 5.60 9.80	6.81
08 71 16 00-1611	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.73 6.30 5.60 9.80	7.19
08 71 16 00-1612	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.27 6.30 5.60 9.80	7.19
08 71 16 00-1613	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.82 6.30 5.60 9.80	7.19
08 71 16 00-1614	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.50 6.30 5.60 9.80	6.43
08 71 16 00-1615	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.65 6.30 5.60 9.80	6.43
08 71 16 00-1616	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.81 6.30 5.60 9.80	6.43
08 71 16 00-1617	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.97 6.30 5.60 9.80	6.43
08 71 16 00-1618	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.64 6.30 5.60 9.80	6.81
08 71 16 00-1619	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.81 6.30 5.60 9.80	6.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-	1620	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.96 6.30 5.60 9.80	6.81
08 71	16 00-	1621	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.13 6.30 5.60 9.80	6.81
08 71	16 00-	1622	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.78 6.30 5.60 9.80	7.19
08 71	16 00-	1623	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.96 6.30 5.60 9.80	7.19
08 71	16 00-	1624	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.12 6.30 5.60 9.80	7.19
08 71	16 00-	1625	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.78 6.30 5.60 9.80	7.56
08 71	16 00-	1626	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.95 6.30 5.60 9.80	7.56
08 71	16 00-	1627	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.10 6.30 5.60 9.80	7.56
08 71	16 00-	1628	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.27 6.30 5.60 9.80	6.43
08 71	16 00-	1629	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.04 6.30 5.60 9.80	6.43
08 71	16 00-	1630	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.82 6.30 5.60 9.80	6.43
08 71	16 00-	1631	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.59 6.30 5.60 9.80	6.43
08 71	16 00-	1632	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.88 6.30 5.60 9.80	6.81
08 71	16 00-	1633	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.66 6.30 5.60 9.80	6.81
08 71	16 00-	1634	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.45 6.30 5.60 9.80	6.81
08 71	16 00-	1635	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.22 6.30 5.60 9.80	6.81
08 71	16 00-	1636	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.50 6.30 5.60 9.80	7.19
08 71	16 00-	1637	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.27 6.30 5.60 9.80	7.19
08 71	16 00-	1638	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.05 6.30 5.60 9.80	7.19
08 71	16 00-	1639	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.33 6.30 5.60 9.80	7.56
08 71	16 00-	1640	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.12 6.30 5.60 9.80	7.56

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1641	EA		22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.89 6.30 5.60 9.80	7.56
08 71 16 00-1642	EA		24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.04 6.30 5.60 9.80	6.43
08 71 16 00-1643	EA		24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.42 6.30 5.60 9.80	6.43
08 71 16 00-1644	EA		24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.83 6.30 5.60 9.80	6.43
08 71 16 00-1645	EA		24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.22 6.30 5.60 9.80	6.43
08 71 16 00-1646	EA		24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.13 6.30 5.60 9.80	6.81
08 71 16 00-1647	EA		24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.51 6.30 5.60 9.80	6.81
08 71 16 00-1648	EA		24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.90 6.30 5.60 9.80	6.81
08 71 16 00-1649	EA		24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.31 6.30 5.60 9.80	6.81
08 71 16 00-1650	EA		24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.21 6.30 5.60 9.80	7.19
08 71 16 00-1651	EA		24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.59 6.30 5.60 9.80	7.19
08 71 16 00-1652	EA		24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.99 6.30 5.60 9.80	7.19
08 71 16 00-1653	EA		24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.89 6.30 5.60 9.80	7.56
08 71 16 00-1654	EA		24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.30 6.30 5.60 9.80	7.56
08 71 16 00-1655	EA		24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.68 6.30 5.60 9.80	7.56
08 71 16 00-1656			Plastic Kick Plate (08 71 16 00-0763)		
08 71 16 00-1657			Clear Or Black Finish, Plastic Kick Plate (08 71 16 00-1656) Note: With four beveled edges.		
08 71 16 00-1658	EA		8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	49.48	5.67
08 71 16 00-1659	EA		8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.92	5.67
08 71 16 00-1660	EA		8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.35	5.67
08 71 16 00-1661	EA		8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.78	5.67
08 71 16 00-1662	EA		8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.72	6.05
08 71 16 00-1663	EA		8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.17	6.05
08 71 16 00-1664	EA		8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.59	6.05
08 71 16 00-1665	EA		8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.04	6.05
08 71 16 00-1666	EA		8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.97	6.43
08 71 16 00-1667	EA		8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.42	6.43
08 71 16 00-1668	EA		8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.87	6.43
08 71 16 00-1669	EA		8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.80	6.81
08 71 16 00-1670	EA		8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.24	6.81
08 71 16 00-1671	EA		8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.66	6.81
08 71 16 00-1672	EA		10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.17	5.67
08 71 16 00-1673	EA		10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	59.21	5.67
08 71 16 00-1674	EA		10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.26	5.67
08 71 16 00-1675	EA		10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.31	5.67
08 71 16 00-1676	EA		10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.85	6.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1677	EA	10" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.90	6.05
08 71 16 00-1678	EA	10" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.95	6.05
08 71 16 00-1679	EA	10" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.00	6.05
08 71 16 00-1680	EA	10" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.55	6.43
08 71 16 00-1681	EA	10" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.60	6.43
08 71 16 00-1682	EA	10" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.65	6.43
08 71 16 00-1683	EA	10" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.19	6.81
08 71 16 00-1684	EA	10" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	97.24	6.81
08 71 16 00-1685	EA	10" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.29	6.81
08 71 16 00-1686	EA	12" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.86	5.67
08 71 16 00-1687	EA	12" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.53	5.67
08 71 16 00-1688	EA	12" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.18	5.67
08 71 16 00-1689	EA	12" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.84	5.67
08 71 16 00-1690	EA	12" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.00	6.05
08 71 16 00-1691	EA	12" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.63	6.05
08 71 16 00-1692	EA	12" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.30	6.05
08 71 16 00-1693	EA	12" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.95	6.05
08 71 16 00-1694	EA	12" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.12	6.43
08 71 16 00-1695	EA	12" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.78	6.43
08 71 16 00-1696	EA	12" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	102.42	6.43
08 71 16 00-1697	EA	12" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.60	6.81
08 71 16 00-1698	EA	12" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.24	6.81
08 71 16 00-1699	EA	12" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	114.89	6.81
08 71 16 00-1700	EA	14" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.08	6.05
08 71 16 00-1701	EA	14" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.35	6.05
08 71 16 00-1702	EA	14" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.61	6.05
08 71 16 00-1703	EA	14" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.87	6.05
08 71 16 00-1704	EA	14" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.65	6.43
08 71 16 00-1705	EA	14" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.91	6.43
08 71 16 00-1706	EA	14" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.17	6.43
08 71 16 00-1707	EA	14" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	102.42	6.43
08 71 16 00-1708	EA	14" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.21	6.81
08 71 16 00-1709	EA	14" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.47	6.81
08 71 16 00-1710	EA	14" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	116.73	6.81
08 71 16 00-1711	EA	14" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	122.50	7.19
08 71 16 00-1712	EA	14" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	126.75	7.19
08 71 16 00-1713	EA	14" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	131.01	7.19
08 71 16 00-1714	EA	16" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.77	6.05
08 71 16 00-1715	EA	16" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.63	6.05
08 71 16 00-1716	EA	16" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.53	6.05
08 71 16 00-1717	EA	16" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.39	6.05
08 71 16 00-1718	EA	16" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.78	6.43
08 71 16 00-1719	EA	16" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.65	6.43
08 71 16 00-1720	EA	16" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.51	6.43
08 71 16 00-1721	EA	16" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.38	6.43
08 71 16 00-1722	EA	16" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.77	6.81
08 71 16 00-1723	EA	16" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	124.63	6.81
08 71 16 00-1724	EA	16" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	129.50	6.81
08 71 16 00-1725	EA	16" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	135.88	7.19
08 71 16 00-1726	EA	16" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	140.76	7.19
08 71 16 00-1727	EA	16" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	145.64	7.19
08 71 16 00-1728	EA	18" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.18	6.05
08 71 16 00-1729	EA	18" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.75	6.05
08 71 16 00-1730	EA	18" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.27	6.05
08 71 16 00-1731	EA	18" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.84	6.05
08 71 16 00-1732	EA	18" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.90	6.43
08 71 16 00-1733	EA	18" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	114.42	6.43
08 71 16 00-1734	EA	18" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.99	6.43
08 71 16 00-1735	EA	18" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	128.68	6.43
08 71 16 00-1736	EA	18" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	132.59	6.81
08 71 16 00-1737	EA	18" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	138.13	6.81
08 71 16 00-1738	EA	18" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	143.67	6.81
08 71 16 00-1739	EA	18" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	150.73	7.19
08 71 16 00-1740	EA	18" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	156.27	7.19
08 71 16 00-1741	EA	18" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	161.82	7.19
08 71 16 00-1742	EA	20" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.50	6.43
08 71 16 00-1743	EA	20" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.65	6.43
08 71 16 00-1744	EA	20" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.81	6.43
08 71 16 00-1745	EA	20" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.97	6.43
08 71 16 00-1746	EA	20" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.64	6.81
08 71 16 00-1747	EA	20" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	125.81	6.81
08 71 16 00-1748	EA	20" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	131.96	6.81
08 71 16 00-1749	EA	20" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	138.13	6.81
08 71 16 00-1750	EA	20" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	145.78	7.19
08 71 16 00-1751	EA	20" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	151.96	7.19
08 71 16 00-1752	EA	20" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	158.12	7.19
08 71 16 00-1753	EA	20" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	165.78	7.56
08 71 16 00-1754	EA	20" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	171.95	7.56
08 71 16 00-1755	EA	20" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	178.10	7.56
08 71 16 00-1756	EA	22" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.27	6.43
08 71 16 00-1757	EA	22" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.04	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 16 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.82	6.43
08 71 16 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	120.59	6.43
08 71 16 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	128.88	6.81
08 71 16 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	135.66	6.81
08 71 16 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	142.45	6.81
08 71 16 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	149.22	6.81
08 71 16 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	157.50	7.19
08 71 16 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	164.27	7.19
08 71 16 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	171.05	7.19
08 71 16 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	179.33	7.56
08 71 16 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	186.12	7.56
08 71 16 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	192.89	7.56
08 71 16 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.04	6.43
08 71 16 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	114.42	6.43
08 71 16 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	121.83	6.43
08 71 16 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	129.22	6.43
08 71 16 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	138.13	6.81
08 71 16 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	145.51	6.81
08 71 16 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	152.90	6.81
08 71 16 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	160.31	6.81
08 71 16 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	169.21	7.19
08 71 16 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	176.59	7.19
08 71 16 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	183.99	7.19
08 71 16 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	192.89	7.56
08 71 16 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	200.30	7.56
08 71 16 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	207.68	7.56

08 71 16 00-1784 Mop Plate (08 71 16 00-0762)
Note: lves 8400.

08 71 16 00-1785 Aluminum Base Material Mop Plate (08 71 16 00-1784)

08 71 16 00-1786 Satin Aluminum Finish, Aluminum Mop Plate (08 71 16 00-1785)

08 71 16 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	28.04	5.52
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	28.59	5.52
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	29.13	5.52
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	29.69	5.52
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	31.15	5.75
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	31.69	5.75
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	32.24	5.75
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	32.78	5.75
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	34.62	6.05
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	35.16	6.05
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	35.71	6.05
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 16 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	37.77	6.43
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.33 1.76 5.60 9.80	6.43
08 71	16 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.87 1.76 5.60 9.80	6.43
08 71	16 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.05 1.76 5.60 9.80	5.52
08 71	16 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.87 1.76 5.60 9.80	5.52
08 71	16 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.70 1.76 5.60 9.80	5.52
08 71	16 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.52 1.76 5.60 9.80	5.52
08 71	16 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.26 1.76 5.60 9.80	5.75
08 71	16 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.07 1.76 5.60 9.80	5.75
08 71	16 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.91 1.76 5.60 9.80	5.75
08 71	16 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.71 1.76 5.60 9.80	5.75
08 71	16 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.82 1.76 5.60 9.80	6.05
08 71	16 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.64 1.76 5.60 9.80	6.05
08 71	16 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.47 1.76 5.60 9.80	6.05
08 71	16 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.81 1.76 5.60 9.80	6.43
08 71	16 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.64 1.76 5.60 9.80	6.43
08 71	16 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.45 1.76 5.60 9.80	6.43
08 71	16 00-1815		Brass Base Material Mop Plate <small>(08 71 16 00-1794)</small>		
08 71	16 00-1816		Bright/Satin Brass Finish, Brass Mop Plate <small>(08 71 16 00-1815)</small>		
08 71	16 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.61 1.76 5.60 9.80	5.52
08 71	16 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.23 1.76 5.60 9.80	5.52
08 71	16 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.82 1.76 5.60 9.80	5.52
08 71	16 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.43 1.76 5.60 9.80	5.52

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1821	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	46.93	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1822	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	48.53	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1823	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	50.14	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1824	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	51.73	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1825	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	54.62	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1826	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	56.21	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1827	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	57.81	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1828	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	60.94	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1829	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	62.53	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1830	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	64.15	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1831	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	48.43	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1832	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	50.82	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1833	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	53.23	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1834	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	55.62	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1835	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	58.94	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1836	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	61.35	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1837	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	63.73	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1838	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	66.15	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1839	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	69.81	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1840	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	72.23	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1841	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	74.63	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1842	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.55 1.76 5.60 9.80	6.43
08 71 16 00-1843	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.95 1.76 5.60 9.80	6.43
08 71 16 00-1844	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.34 1.76 5.60 9.80	6.43
08 71 16 00-1845 Bright/Satin Chrome Finish, Brass Mop Plate <small>(08 71 16 00-1815)</small>					
08 71 16 00-1846	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.28 1.76 5.60 9.80	5.52
08 71 16 00-1847	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.02 1.76 5.60 9.80	5.52
08 71 16 00-1848	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.77 1.76 5.60 9.80	5.52
08 71 16 00-1849	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.53 1.76 5.60 9.80	5.52
08 71 16 00-1850	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.18 1.76 5.60 9.80	5.75
08 71 16 00-1851	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.93 1.76 5.60 9.80	5.75
08 71 16 00-1852	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.69 1.76 5.60 9.80	5.75
08 71 16 00-1853	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.43 1.76 5.60 9.80	5.75
08 71 16 00-1854	EA		4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.46 1.76 5.60 9.80	6.05
08 71 16 00-1855	EA		4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.23 1.76 5.60 9.80	6.05
08 71 16 00-1856	EA		4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.98 1.76 5.60 9.80	6.05
08 71 16 00-1857	EA		4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.26 1.76 5.60 9.80	6.43
08 71 16 00-1858	EA		4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.00 1.76 5.60 9.80	6.43
08 71 16 00-1859	EA		4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.75 1.76 5.60 9.80	6.43
08 71 16 00-1860	EA		6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.91 1.76 5.60 9.80	5.52
08 71 16 00-1861	EA		6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.52 1.76 5.60 9.80	5.52
08 71 16 00-1862	EA		6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.16 1.76 5.60 9.80	5.52

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1863	EA		6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	58.79	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1864	EA		6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	62.32	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1865	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	64.95	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1866	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	67.57	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1867	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	70.20	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1868	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	74.12	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1869	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	76.73	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1870	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	79.37	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1871	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	83.50	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1872	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	86.14	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1873	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	88.76	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1874			Satin/Dark Bronze Finish, Brass Mop Plate (08 71 16 00-1875)		
08 71 16 00-1875	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	41.59	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1876	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	43.37	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1877	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	45.15	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1878	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	46.93	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1879	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	49.62	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1880	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	51.41	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1881	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	53.19	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1882	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	54.98	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1883	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	58.02	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1884	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.81 1.76 5.60 9.80	6.05
08 71	16 00-1885	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.59 1.76 5.60 9.80	6.05
08 71	16 00-1886	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.90 1.76 5.60 9.80	6.43
08 71	16 00-1887	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.68 1.76 5.60 9.80	6.43
08 71	16 00-1888	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.44 1.76 5.60 9.80	6.43
08 71	16 00-1889	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.38 1.76 5.60 9.80	5.52
08 71	16 00-1890	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.07 1.76 5.60 9.80	5.52
08 71	16 00-1891	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.73 1.76 5.60 9.80	5.52
08 71	16 00-1892	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.49 1.76 5.60 9.80	5.52
08 71	16 00-1893	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.98 1.76 5.60 9.80	5.75
08 71	16 00-1894	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.64 1.76 5.60 9.80	5.75
08 71	16 00-1895	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.31 1.76 5.60 9.80	5.75
08 71	16 00-1896	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.98 1.76 5.60 9.80	5.75
08 71	16 00-1897	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.95 1.76 5.60 9.80	6.05
08 71	16 00-1898	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.61 1.76 5.60 9.80	6.05
08 71	16 00-1899	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.28 1.76 5.60 9.80	6.05
08 71	16 00-1900	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.47 1.76 5.60 9.80	6.43
08 71	16 00-1901	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.13 1.76 5.60 9.80	6.43
08 71	16 00-1902	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.80 1.76 5.60 9.80	6.43
08 71 16 00-1903 Satin Nickel Finish, Brass Mop Plate (08 71 16 00-1815)					
08 71	16 00-1904	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.97 1.76 5.60 9.80	5.52

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1905	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	43.77	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1906	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	45.59	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1907	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	47.41	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1908	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	50.14	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1909	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	51.94	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1910	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	53.76	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1911	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	55.58	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1912	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	58.68	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1913	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	60.49	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1914	EA		4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	62.29	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1915	EA		4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	65.64	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1916	EA		4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	67.46	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1917	EA		4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	69.25	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1918	EA		6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	51.95	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1919	EA		6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	54.67	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1920	EA		6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	57.38	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1921	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	60.10	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1922	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	63.73	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1923	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	66.45	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1924	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	69.17	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1925	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.90	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1926	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.90 1.76 5.60 9.80	6.05
08 71 16 00-1927	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.63 1.76 5.60 9.80	6.05
08 71 16 00-1928	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.35 1.76 5.60 9.80	6.05
08 71 16 00-1929	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.59 1.76 5.60 9.80	6.43
08 71 16 00-1930	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.31 1.76 5.60 9.80	6.43
08 71 16 00-1931	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.04 1.76 5.60 9.80	6.43
08 71 16 00-1932			Stainless Base Material Mop Plate (08 71 16 00-1784)		
08 71 16 00-1933			Satin Stainless Finish, Stainless Mop Plate (08 71 16 00-1932)		
08 71 16 00-1934	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.43 1.76 5.60 9.80	5.52
08 71 16 00-1935	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.99 1.76 5.60 9.80	5.52
08 71 16 00-1936	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.58 1.76 5.60 9.80	5.52
08 71 16 00-1937	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	30.16 1.76 5.60 9.80	5.52
08 71 16 00-1938	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.66 1.76 5.60 9.80	5.75
08 71 16 00-1939	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.24 1.76 5.60 9.80	5.75
08 71 16 00-1940	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.81 1.76 5.60 9.80	5.75
08 71 16 00-1941	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.40 1.76 5.60 9.80	5.75
08 71 16 00-1942	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.26 1.76 5.60 9.80	6.05
08 71 16 00-1943	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.84 1.76 5.60 9.80	6.05
08 71 16 00-1944	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.43 1.76 5.60 9.80	6.05
08 71 16 00-1945	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.52 1.76 5.60 9.80	6.43
08 71 16 00-1946	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.11 1.76 5.60 9.80	6.43
08 71 16 00-1947	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.68 1.76 5.60 9.80	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1948	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	31.61	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1949	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	32.49	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1950	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	33.36	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1951	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.24	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1952	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.01	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1953	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.88	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1954	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.77	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1955	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.64	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1956	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	40.80	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1957	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.66	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1958	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.53	6.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1959	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.94	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1960	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	45.80	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1961	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.68	6.43
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1962			Bright Stainless Finish, Stainless Mop Plate <small>(08 71 16 00-1932)</small>		
08 71 16 00-1963	EA		4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	36.25	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1964	EA		4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	37.55	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1965	EA		4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	38.85	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1966	EA		4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	40.13	5.52
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1967	EA		4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	42.34	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 16 00-1968	EA		4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	43.64	5.75
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-1969	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.94 1.76 5.60 9.80	5.75
08 71	16 00-1970	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.24 1.76 5.60 9.80	5.75
08 71	16 00-1971	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.80 1.76 5.60 9.80	6.05
08 71	16 00-1972	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.10 1.76 5.60 9.80	6.05
08 71	16 00-1973	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.41 1.76 5.60 9.80	6.05
08 71	16 00-1974	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.22 1.76 5.60 9.80	6.43
08 71	16 00-1975	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.52 1.76 5.60 9.80	6.43
08 71	16 00-1976	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.80 1.76 5.60 9.80	6.43
08 71	16 00-1977	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.37 1.76 5.60 9.80	5.52
08 71	16 00-1978	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.33 1.76 5.60 9.80	5.52
08 71	16 00-1979	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.27 1.76 5.60 9.80	5.52
08 71	16 00-1980	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.22 1.76 5.60 9.80	5.52
08 71	16 00-1981	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.06 1.76 5.60 9.80	5.75
08 71	16 00-1982	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.00 1.76 5.60 9.80	5.75
08 71	16 00-1983	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.94 1.76 5.60 9.80	5.75
08 71	16 00-1984	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.88 1.76 5.60 9.80	5.75
08 71	16 00-1985	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.12 1.76 5.60 9.80	6.05
08 71	16 00-1986	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.06 1.76 5.60 9.80	6.05
08 71	16 00-1987	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.00 1.76 5.60 9.80	6.05
08 71	16 00-1988	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.47 1.76 5.60 9.80	6.43
08 71	16 00-1989	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.40 1.76 5.60 9.80	6.43

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1990 EA 6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.34 1.76 5.60 9.80	6.43
08 71 16 00-1991 Plastic Mop Plate (08 71 16 00-1794)		
08 71 16 00-1992 Clear Or Black Finish, Plastic Mop Plate (08 71 16 00-1991) Note: With four beveled edges.		
08 71 16 00-1993 EA 4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	27.34	5.52
08 71 16 00-1994 EA 4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	27.83	5.52
08 71 16 00-1995 EA 4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	28.32	5.52
08 71 16 00-1996 EA 4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	28.80	5.52
08 71 16 00-1997 EA 4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	30.20	5.75
08 71 16 00-1998 EA 4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	30.68	5.75
08 71 16 00-1999 EA 4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	31.16	5.75
08 71 16 00-2000 EA 4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	31.66	5.75
08 71 16 00-2001 EA 4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.42	6.05
08 71 16 00-2002 EA 4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.90	6.05
08 71 16 00-2003 EA 4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	34.38	6.05
08 71 16 00-2004 EA 4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.39	6.43
08 71 16 00-2005 EA 4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.88	6.43
08 71 16 00-2006 EA 4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.36	6.43
08 71 16 00-2007 EA 6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	30.01	5.52
08 71 16 00-2008 EA 6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	30.75	5.52
08 71 16 00-2009 EA 6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	31.47	5.52
08 71 16 00-2010 EA 6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	32.19	5.52
08 71 16 00-2011 EA 6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.84	5.75
08 71 16 00-2012 EA 6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	34.56	5.75
08 71 16 00-2013 EA 6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.29	5.75
08 71 16 00-2014 EA 6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.01	5.75
08 71 16 00-2015 EA 6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.03	6.05
08 71 16 00-2016 EA 6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.75	6.05
08 71 16 00-2017 EA 6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.48	6.05
08 71 16 00-2018 EA 6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.73	6.43
08 71 16 00-2019 EA 6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.46	6.43
08 71 16 00-2020 EA 6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.18	6.43
08 71 16 00-2021 Armor Door Plate (08 71 16 00-0762) Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 16 00-2022 SF 4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate.....	12.52	0.95
08 71 16 00-2023 SF >8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate.....	11.68	0.74
08 71 16 00-2024 SF 4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	13.74	0.95
08 71 16 00-2025 SF >8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	12.90	0.74
08 71 16 00-2026 SF 4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	25.97	0.95
08 71 16 00-2027 SF >8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	25.13	0.74
08 71 16 00-2028 Pull Handle And Plates (08 71 16 00-0762)		
08 71 16 00-2029 Pull Handle (08 71 16 00-2028)		
08 71 16 00-2030 EA 3/4" Diameter Aluminum Door Pulls, 6" Long..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	46.46 9.03 12.25	6.24



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-2031	EA	3/4" Diameter Aluminum Door Pulls, 8" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	46.46 9.03 12.25	6.24
08 71	16 00-2032	EA	3/4" Diameter Aluminum Door Pulls, 10" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	48.59 9.92 13.46	6.24
08 71	16 00-2033	EA	1" Diameter Aluminum Door Pulls, 8" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	53.60 12.02 16.32	6.24
08 71	16 00-2034	EA	1" Diameter Aluminum Door Pulls, 10" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	56.48 13.23 17.96	6.24
08 71	16 00-2035	EA	1" Diameter Aluminum Door Pulls, 12" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	60.27 14.83 20.12	6.24
08 71	16 00-2036	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 6" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	49.09 10.13 13.75	6.24
08 71	16 00-2037	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 8" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	49.09 10.13 13.75	6.24
08 71	16 00-2038	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 10" Long <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	51.48 11.13 15.11	6.24
08 71	16 00-2039	EA	1" Diameter Stainless Steel Offset Door Pulls, 8" Long <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	84.34 11.22 10.33	6.24
08 71	16 00-2040	EA	1" Diameter Stainless Steel Offset Door Pulls, 10" Long <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	88.21 11.95 11.00	6.24
08 71	16 00-2041	EA	1" Diameter Stainless Steel Offset Door Pulls, 12" Long <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	92.09 12.69 11.68	6.24
08 71	16 00-2042	EA	1" Diameter Stainless Steel Offset Door Pulls, 18" Long <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	110.15 16.10 14.82	6.24
08 71 16 00-2043 Pull Plate (08 71 16 00-2028)					
08 71	16 00-2044	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	44.03 14.82 18.84	4.72
08 71	16 00-2045	EA	4" x 16" Aluminum Pull Plate Door Hardware <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	44.90 15.33 19.49	4.72
08 71	16 00-2046	EA	6" x 16" Aluminum Pull Plate Door Hardware <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	46.89 16.51 20.99	4.72
08 71 16 00-2047 Push Bars And Plates (08 71 16 00-0762)					
08 71 16 00-2048 Push Bars (08 71 16 00-2047)					
08 71	16 00-2049	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	164.91	4.72
08 71	16 00-2050	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	103.96 14.80	4.72
08 71	16 00-2051	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	107.53 15.42	4.72
08 71	16 00-2052	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	196.15 30.84	4.72
08 71 16 00-2053 Push Plates (08 71 16 00-2047)					
08 71 16 00-2054 Aluminum Push Plates (08 71 16 00-2053)					
08 71 16 00-2055 Clear Anodized Finish, Aluminum Push Plates (08 71 16 00-2054)					
Note: Ives 8200 Series.					
08 71	16 00-2056	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	25.22	4.72
08 71	16 00-2057	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	25.22	4.72
08 71	16 00-2058	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	25.22	4.72
08 71	16 00-2059	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	26.82	4.72
08 71 16 00-2060 Stainless Steel Push Plates (08 71 16 00-2053)					
08 71 16 00-2061 Satin Finish, Stainless Steel Push Plates (08 71 16 00-2060)					
Note: Ives 8200 Series.					
08 71	16 00-2062	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	25.22	4.72
08 71	16 00-2063	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	26.45	4.72
08 71	16 00-2064	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	29.25	4.72
08 71	16 00-2065	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	33.40	4.72

08 Openings**08 70 Hardware**

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 16 00-2066		Brass Push Plates (08 71 16 00-2063)		
08 71 16 00-2067		Bright/Satin Brass Finish, Brass Push Plates (08 71 16 00-2066)		
		Note: Ives 8200 Series.		
08 71 16 00-2068	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	28.97	4.72
08 71 16 00-2069	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	32.12	4.72
08 71 16 00-2070	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	39.71	4.72
08 71 16 00-2071	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	44.70	4.72
08 71 16 00-2072		Bright/Satin Chrome Finish, Brass Push Plates (08 71 16 00-2066)		
		Note: Ives 8200 Series.		
08 71 16 00-2073	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	31.49	4.72
08 71 16 00-2074	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	34.05	4.72
08 71 16 00-2075	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	41.00	4.72
08 71 16 00-2076	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	47.86	4.72
08 71 16 00-2077		Satin/Dark Bronze Finish, Brass Push Plates (08 71 16 00-2066)		
		Note: Ives 8200 Series.		
08 71 16 00-2078	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	31.49	4.72
08 71 16 00-2079	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	34.05	4.72
08 71 16 00-2080	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	42.23	4.72
08 71 16 00-2081	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	48.54	4.72
08 71 16 00-2082		Satin Nickel Finish, Brass Push Plates (08 71 16 00-2066)		
		Note: Ives 8200 Series.		
08 71 16 00-2083	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	31.49	4.72
08 71 16 00-2084	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	34.69	4.72
08 71 16 00-2085	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	44.17	4.72
08 71 16 00-2086	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	50.48	4.72
08 71 16 00-2087		Exit Devices (08 71 16)		
08 71 16 00-2088		Push Bar Exit Device, Von Duprin Series 22 (08 71 16 00-2087)		
		Note: Grade 1, BHMA 156.3.		
08 71 16 00-2089	EA	3' Push Bar Exit Device, Rim Type	511.81	85.10
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
		For 4' Push Bar, Add	13.00	
08 71 16 00-2090	EA	3' Push Bar Exit Device, Rim Type, Fire Rated	568.18	85.10
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
		For 4' Push Bar, Add	13.00	
08 71 16 00-2091	EA	3' Push Bar Exit Device, Surface Vertical Rods	739.66	102.12
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
		For 4' Push Bar, Add	13.00	
08 71 16 00-2092	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated	880.06	94.56
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
		For 4' Push Bar, Add	13.00	
08 71 16 00-2093	EA	Dummy Trim (210DT), Von Duprin Series 22	69.67	14.18
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2094	EA	Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22	153.70	18.91
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2095	EA	Knob Trim (210K) With Cylinder, Von Duprin Series 22	282.99	28.37
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2096	EA	Lever Trim (230L) With Cylinder, Von Duprin Series 22	280.39	28.37
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2097	EA	Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22	279.74	28.37
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2098	EA	Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22	219.29	28.37
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2099	EA	Exit Only Trim Plate (230EO), Von Duprin Series 22	88.75	11.35
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2100	EA	Dummy Trim (230DT), Von Duprin Series 22	102.82	14.18
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2101	EA	Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22	188.15	18.91
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2102	EA	Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22	216.69	28.37
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2103	EA	Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22	216.04	28.37
		Note: Anodized finish: aluminum or dark brown.		
08 71 16 00-2104		Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 (08 71 16 00-2087)		
		Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 16 00-2105	EA	3' Push Bar Exit Device, Rim Type, Narrow Stile	951.68	85.10
		Note: Aluminum anodized finish. Von Duprin Series 33/35.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	74.21	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	142.41	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	27.54	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	211.63	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-2106	EA	3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3327/3527. <i>For 4' Push Bar, Add</i> <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	1,291.51	102.12
				13.00	
				104.37	
				200.27	
				38.73	
				297.61	
08 71	16 00-2107	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3527-F. <i>For 4' Push Bar, Add</i> <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	1,316.21	102.12
				13.00	
				106.90	
				205.13	
				39.67	
				304.82	
08 71	16 00-2108	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547. <i>For 4' Push Bar, Add</i> <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	1,342.21	117.25
				13.00	
				105.30	
				202.06	
				39.08	
				300.26	
08 71	16 00-2109	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F. <i>For 4' Push Bar, Add</i> <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	1,405.91	117.25
				13.00	
				111.82	
				214.58	
				41.50	
				318.86	
08 71	16 00-2110	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F. <i>For 4' Push Bar, Add</i> <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	1,494.96	117.25
				13.00	
				120.94	
				232.08	
				44.88	
				344.87	
08 71	16 00-2111	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F. <i>For 4' Push Bar, Add</i> <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	1,558.66	117.25
				13.00	
				127.46	
				244.59	
				47.30	
				363.47	
08 71	16 00-2112	EA	Dummy Trim (DT), Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	212.02	14.18
				34.23	
				6.62	
				50.87	
08 71	16 00-2113	EA	Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	267.45	18.91
				42.15	
				8.15	
				62.63	
08 71	16 00-2114	EA	Night Latch (NL) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	424.10	18.91
				72.93	
				14.10	
				108.38	
08 71	16 00-2115	EA	Lever Trim (360L) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	531.94	28.37
				89.66	
				17.34	
				133.24	
08 71	16 00-2116	EA	Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	511.14	28.37
				85.58	
				16.55	
				127.17	
08 71	16 00-2117	EA	Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	501.39	28.37
				83.66	
				16.18	
				124.32	
08 71	16 00-2118	EA	Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	505.94	28.37
				84.55	
				16.35	
				125.65	

08 71 16 00-2119 Push Bar Exit Device, Von Duprin Series 98/99 (08 71 16 00-2087)
Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2120	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	843.78	85.10
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	37.63	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	59.83	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	95.61	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	195.54	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	61.69	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	90.68	
		<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
		<i>For Special Center Case Dogging (SD), Add</i>	172.13	
		<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
		<i>For Dogging Indicator (DI), Add</i>	105.25	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2121	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	951.68	85.10
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	44.21	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	70.30	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	112.34	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	229.75	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	72.48	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	106.54	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2122	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	915.93	85.10
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	42.03	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	66.83	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	106.80	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	218.41	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	68.90	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	101.28	
		<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
		<i>For Special Center Case Dogging (SD), Add</i>	172.13	
		<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
		<i>For Dogging Indicator (DI), Add</i>	105.25	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2123	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,021.23	85.10
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	48.45	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	77.05	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	123.12	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	251.79	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	79.43	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	116.76	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2124	EA	3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,193.36	102.12
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	56.18	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	89.34	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	142.76	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	291.97	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	92.11	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	135.39	
		<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
		<i>For Special Center Case Dogging (SD), Add</i>	172.13	
		<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
		<i>For Dogging Indicator (DI), Add</i>	105.25	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2125	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,339.61	102.12
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	65.11	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	103.53	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	165.43	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	338.33	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	106.73	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	156.89	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-2126	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,259.01	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	87.89	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	91.67	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	146.49	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	299.60	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	94.51	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	138.93	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	16 00-2127	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,408.51	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	101.80	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	106.18	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	169.66	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	346.99	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	109.46	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	160.91	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	16 00-2128	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,411.76	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	102.10	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	106.49	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	170.17	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	348.02	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	109.79	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	161.38	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	16 00-2129	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,561.26	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	116.00	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	120.99	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	193.34	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	395.41	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	124.74	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	183.36	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	16 00-2130	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,367.56	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	97.99	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	102.20	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	163.32	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	334.01	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	105.37	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	154.89	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	16 00-2131	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC-F/9947WDC-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,535.91	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	113.65	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	118.53	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	189.41	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	387.37	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	122.20	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	179.63	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2132	EA	3'	Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,478.06	102.12
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	73.55	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	116.96	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	186.89	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	382.22	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	120.58	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	177.25	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2133	EA	3'	Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,574.91	102.12
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	79.46	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	126.35	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	201.90	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	412.92	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	130.26	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	191.48	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2134	EA	3'	Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,185.21	105.90
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	33.36	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	87.45	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	139.74	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	285.79	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	90.16	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	132.53	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2135	EA	3'	Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,295.06	105.90
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	37.42	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	98.11	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	156.77	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	320.61	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	101.14	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	148.68	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2136	EA	3'	Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,305.16	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	92.19	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	96.15	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	153.64	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	314.23	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	99.13	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	145.71	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 16 00-2137	EA	3'	Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,414.36	117.25
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	102.34	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	106.74	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	170.57	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	348.84	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	110.05	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	161.77	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-2138	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC.....	1,418.26	117.25
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	102.70	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	107.12	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	171.17	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	350.08	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	110.44	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	162.34	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	16 00-2139	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC-F/9949WDC-F	1,613.26	117.25
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.84	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	126.04	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	201.40	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	411.89	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	129.94	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	191.00	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	16 00-2140	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99	1,826.69	98.33
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	242.10	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	495.14	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	156.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	58.10	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	65.29	
			For Center Case Dogging (CD-CX), Add	185.83	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	16 00-2141	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F	1,934.59	98.33
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	258.83	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	529.34	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	166.99	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	62.12	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	69.80	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	16 00-2142	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975.....	2,175.69	121.02
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	286.23	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	585.39	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	184.67	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	68.70	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	77.19	
			For Center Case Dogging (CD-CX), Add	185.83	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	16 00-2143	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F	2,285.54	121.02
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	303.26	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	620.21	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	195.65	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.78	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	81.78	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	16 00-2144	EA	3' Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99	1,189.69	98.33
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	143.37	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	293.21	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	92.50	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	34.41	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	53.09	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Dogging Indicator (DI), Add	105.25	
			For Quiet Electric Latch Retraction (QEL), Add	78.93	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2145	EA		3' Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F.....	1,297.59	98.33
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	160.09	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	327.41	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	103.29	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	38.42	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	59.29	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71 16 00-2146	EA		3' Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975.....	1,538.69	121.02
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	187.50	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	383.46	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	120.97	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	45.00	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	69.43	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Dogging Indicator (DI), Add	105.25	
			For Quiet Electric Latch Retraction (QEL), Add	78.93	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71 16 00-2147	EA		3' Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F.....	1,648.54	121.02
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	204.52	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	418.28	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	131.95	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	49.09	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	75.74	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71 16 00-2148	EA		Exit Only Trim Plate (EO), Von Duprin Series 98/99.....	99.32	11.35
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.07	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.11	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	11.74	
08 71 16 00-2149	EA		Dummy Trim (DT), Von Duprin Series 98/99.....	145.26	14.18
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.22	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	4.83	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	18.26	
08 71 16 00-2150	EA		Night Latch (NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99.....	231.76	18.91
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.36	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.05	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.40	
08 71 16 00-2151	EA		Night Latch (NL) Pull Trim Without Cylinder, Von Duprin Series 98/99.....	168.06	18.91
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.45	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.18	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	19.57	
08 71 16 00-2152	EA		Lever Trim (L) With 110NL Cylinder, Von Duprin Series 98/99.....	387.66	28.37
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.36	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.04	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.04	
08 71 16 00-2153	EA		Lever Trim (L) Without Cylinder, Von Duprin Series 98/99.....	323.96	28.37
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.45	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.17	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	42.21	
08 71 16 00-2154	EA		Lever - Blank Escutcheon (L-BE), Von Duprin Series 98/99.....	323.96	28.37
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.45	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.17	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	42.21	
08 71 16 00-2155	EA		Lever - Night Latch (L-NL) With 110NL Cylinder, Von Duprin Series 98/99.....	332.84	28.37
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.72	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.57	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	43.72	
08 71 16 00-2156	EA		Lever - Night Latch (L-NL) Without Cylinder, Von Duprin Series 98/99.....	269.14	28.37
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.81	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.71	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.90	
08 71 16 00-2157	EA		Lever Dummy Trim (L-DT), Von Duprin Series 98/99.....	269.14	28.37
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.81	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.71	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2158 EA Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	324.08 7.45 11.18 42.23	28.37
08 71 16 00-2159 EA Knob Trim (K) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	260.38 5.54 8.31 31.41	28.37
08 71 16 00-2160 EA Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	260.38 5.54 8.31 31.41	28.37
08 71 16 00-2161 EA Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	319.14 7.31 10.96 41.40	28.37
08 71 16 00-2162 EA Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	255.44 5.39 8.09 30.57	28.37
08 71 16 00-2163 EA Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	255.44 5.39 8.09 30.57	28.37
08 71 16 00-2164 EA Thumpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	292.28 6.50 9.75 36.83	28.37
08 71 16 00-2165 EA Thumpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	228.58 4.59 6.88 26.00	28.37
08 71 16 00-2166 EA Thumpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	228.58 4.59 6.88 26.00	28.37
08 71 16 00-2167 EA Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	245.93 5.11 7.66 28.95	28.37
08 71 16 00-2168 Option And Kits For Series 22, 33, 35, 98 Or 99 <small>(08 71 16 00-2087)</small>		
08 71 16 00-2169 EA Alarm Kit With Switch And 9 Volt Battery Back-up.....	641.78	28.37
08 71 16 00-2170 EA Power Supply For Chexit Or Electric Latch Devices (Von Duprin PS914)..... Note: 4A@12VDC 2A@24VDC. <i>For Battery Backup (Includes Board And 2 Batteries), Add</i> <i>For Fire Alarm Interface, Add</i> <i>For 2 Relay Panic Device Control Board, Add</i> <i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i> <i>For 4 Relay Output Board, Add</i> <i>For 4 Relay Logic Board, Add</i> <i>For Fused 8 Zone Distribution Board, Add</i>	479.97 64.33 32.16 93.28 109.35 90.06 247.01 32.16	28.37
08 71 16 00-2171 EA Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	460.32	28.37
08 71 16 00-2172 EA Power Supply, 2 Amp (Von Duprin PS902)..... Note: 2A@12/24 VDC <i>For Battery Backup (Includes Board And 2 Batteries), Add</i> <i>For Fire Alarm Interface, Add</i> <i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i> <i>For 4 Relay Output Board, Add</i> <i>For 4 Relay Logic Board, Add</i> <i>For Fused 8 Zone Distribution Board, Add</i>	208.70 64.33 32.16 109.35 90.06 247.01 32.16	28.37
08 71 16 00-2173 EA Power Supply, 4 Amp (Von Duprin PS904)..... Note: 4A@12/24 VDC <i>For Battery Backup (Includes Board And 2 Batteries), Add</i> <i>For Fire Alarm Interface, Add</i> <i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i> <i>For 4 Relay Output Board, Add</i> <i>For 4 Relay Logic Board, Add</i> <i>For Fused 8 Zone Distribution Board, Add</i>	326.44 64.33 32.16 109.35 90.06 247.01 32.16	28.37
08 71 16 00-2174 EA Request to Exit Push Pad Monitor Switch (RX).....	142.52	18.91
08 71 16 00-2175 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 <small>(08 71 16 00-2087)</small> Note: Grade 1, BHMA 156.3.		

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2176	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,468.43 156.43 180.02 237.13 258.23	85.10
08 71 16 00-2177	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,891.46 198.77 228.74 301.31 328.13	117.25
08 71 16 00-2178	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,067.61 220.97 254.29 334.96 364.77	117.25
08 71 16 00-2179	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,935.01 204.26 235.06 309.63 337.19	117.25
08 71 16 00-2180	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,105.96 225.80 259.85 342.28 372.75	117.25
08 71 16 00-2181	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,467.96 149.22 171.72 226.20 246.33	105.90
08 71 16 00-2182	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,583.01 163.72 188.41 248.18 270.26	105.90
08 71 16 00-2183	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	251.67 26.95 31.01 40.85 44.48	14.18
08 71 16 00-2184	EA		Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	113.40 7.62 8.77 11.55 12.57	20.04
08 71 16 00-2185	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	424.75 46.85 53.91 71.01 77.33	20.04
08 71 16 00-2186	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	455.24 47.83 55.04 72.50 78.96	28.37
08 71 16 00-2187	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	370.74 37.18 42.79 56.36 61.38	28.37
08 71 16 00-2188	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	455.24 47.83 55.04 72.50 78.96	28.37
08 71 16 00-2189	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	524.14 56.51 65.03 85.66 93.29	28.37



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2190 Cross Bar Exit Device, Von Duprin Series 88 <small>(08 71 16 00-2087)</small>		
Note: Grade 1, BHMA 156.3.		
08 71 16 00-2191 EA 42" Crossbar Exit Device, Rim Type.....	930.88	85.10
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	21.82	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	22.53	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	192.18	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	192.18	
08 71 16 00-2192 EA 42" Crossbar Exit Device, Rim Type, Fire Rated.....	1,086.23	85.10
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	26.64	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	27.50	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	234.59	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	234.59	
08 71 16 00-2193 EA 42" Crossbar Exit Device, Surface Vertical Rods.....	1,204.41	102.12
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	28.90	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	29.83	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	254.46	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	254.46	
08 71 16 00-2194 EA 42" Crossbar Exit Device, Surface Vertical Rods, Fire Rated.....	1,540.46	102.12
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	39.31	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	40.58	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	346.20	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	346.20	
08 71 16 00-2195 EA 42" Crossbar Exit Device, Concealed Vertical Rods.....	1,161.45	117.25
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	26.27	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	27.12	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	231.38	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	231.38	
08 71 16 00-2196 EA 42" Crossbar Exit Device, Concealed Vertical Rods, Fire Rated.....	1,467.01	117.25
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	35.75	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	36.90	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	314.80	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	314.80	
08 71 16 00-2197 EA 42" Crossbar Exit Device, Mortise Lock.....	1,245.66	105.90
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	29.82	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	30.78	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	262.63	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	262.63	
08 71 16 00-2198 EA 42" Crossbar Exit Device, Mortise Lock, Fire Rated.....	1,324.96	105.90
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	32.28	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	33.32	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	284.27	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	284.27	
08 71 16 00-2199 EA Dummy Trim (DT), Von Duprin Series 88.....	140.52	14.18
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	3.18	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	3.29	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	28.04	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	28.04	
08 71 16 00-2200 EA Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 88.....	225.20	18.91
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	5.34	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	5.51	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	47.02	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	47.02	
08 71 16 00-2201 EA Thumbturn Trim (376T Or 377T) With Cylinder, Von Duprin Series 88.....	391.54	28.37
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	9.79	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	10.11	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	86.24	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	86.24	
08 71 16 00-2202 EA Lever Trim (373L) With Cylinder, Von Duprin Series 88.....	365.54	28.37
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	8.99	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	9.28	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	79.14	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	79.14	
08 71 16 00-2203 EA Knob Trim (K) With Cylinder, Von Duprin Series 88.....	277.79	28.37
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	6.27	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	6.47	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	
08 71 16 00-2204 EA Thumbpiece Trim (TP) With Cylinder, Von Duprin Series 88.....	277.79	28.37
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	6.27	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	6.47	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2205			Door Closers With Standard Cover And Arm <small>(08 71 16)</small>		
08 71 16 00-2206	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	289.12	21.93
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Parallel Arm, Add</i>	22.40	
08 71 16 00-2207	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series).....	348.87	21.93
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 16 00-2208	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	358.37	21.93
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Spring Cush Arm, Add</i>	67.20	
			<i>For Parallel Arm And PA Shoe, Add</i>	22.40	
			<i>For Stainless Steel Finish, Add</i>	145.00	
08 71 16 00-2209	EA		Surface Mounted High Security Door Closer (LCN 4510 Series).....	370.26	21.93
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 16 00-2210	EA		Overhead Concealed Door Closer (LCN 5010 Series)	415.36	26.48
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 16 00-2211	EA		Floor Concealed Door Closer, Non Hold Open (Rixson 27/28).....	817.82	65.05
08 71 16 00-2212	EA		Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27).....	873.82	65.05
08 71 16 00-2213	EA		Surface Mounted Standard Duty Door Closer (Norton 8301).....	244.37	21.93
			<i>For Parallel Arm, Add</i>	22.40	
08 71 16 00-2214	EA		Surface Mounted Standard Duty Door Closer (Norton 8501).....	246.37	21.93
			<i>For Parallel Arm, Add</i>	22.40	
08 71 16 00-2215			Locks And Latches <small>(08 71 16)</small>		
			Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include construction cores. Multi purchase locksets are keyed alike and to the existing master key. The cost for boring hole or preparing mortise is included with the new door.		
08 71 16 00-2216			Locksmith Services <small>(08 71 16 00-2215)</small>		
08 71 16 00-2217	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.13	
			<i>For >50, Deduct</i>	-0.23	
08 71 16 00-2218	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	90.81	
			<i>For >5, Deduct</i>	-9.08	
08 71 16 00-2219	EA		Replace Cylinder With Owner Supplied Cylinder	90.81	
			<i>For >5, Deduct</i>	-9.08	
08 71 16 00-2220	EA		Replace Cylinder With New Cylinder	102.80	
			Note: Excludes core.		
			<i>For >5, Deduct</i>	-9.08	
08 71 16 00-2221	EA		Open Locked Doors.....	90.81	
08 71 16 00-2222	EA		Install Owner Furnished Cores And Cylinders	38.14	
08 71 16 00-2223			Mortise Locksets And Latchsets <small>(08 71 16 00-2215)</small>		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 16 00-2224	EA		Passage/Closet F01 Mortise Latchset	328.62	18.91
			Note: Both sides always unlocked.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	8.35	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	7.59	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	12.65	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	89.30	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	16 00-2225	EA	Bath/Bedroom Privacy F02 Mortise Lockset..... Note: Locked with thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.20 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.28 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 15.46 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 109.14	384.83	18.91
08 71	16 00-2226	EA	Entrance/Office F04 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 11.52 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 10.47 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 17.45 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 123.18	424.59	18.91
08 71	16 00-2227	EA	Classroom F05 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.65 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.68 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 16.14 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 113.96 For Security Function (Double Cylinder) With Visual Indicator, Add 38.08	398.47	18.91
08 71	16 00-2228	EA	Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.65 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.68 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 16.14 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 113.96	398.47	18.91
08 71	16 00-2229	EA	Entrance F08 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 12.06 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 10.97 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 18.28 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 129.06	441.24	18.91
08 71	16 00-2230	EA	Dormitory/Exit F13 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.19 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.26 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 15.44 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 109.01	384.44	18.91
08 71	16 00-2231		Locks And Latches (08 71 16 00-2215)		
08 71	16 00-2232		Preassembled Locks And Latches (08 71 16 00-2231) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71	16 00-2233	EA	Passage/Closet F36 Pre-Assembled Latchset..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 14.29 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 23.82 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 168.17 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 88.61 For Grade 2 With Lever Handles, Deduct -185.32 For Grade 2 With Knobs, Deduct -319.19	552.04	18.91
08 71	16 00-2234	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 15.54 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 25.90 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 182.87 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 96.36 For Grade 2 With Lever Handles, Deduct -201.52 For Grade 2 With Knobs, Deduct -347.09	593.69	18.91
08 71	16 00-2235	EA	Entrance/Office F41 Pre-Assembled Lockset..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 17.78 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 29.64 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 209.23 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 110.25 For Grade 2 With Lever Handles, Deduct -230.57 For Grade 2 With Knobs, Deduct -397.13	668.37	18.91
08 71	16 00-2236	EA	Classroom F42 Pre-Assembled Lockset..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 17.78 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 29.64 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 209.23 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 110.25 For Grade 2 With Lever Handles, Deduct -230.57 For Grade 2 With Knobs, Deduct -397.13	668.37	18.91
08 71	16 00-2237	EA	Storeroom/Closet F44 Pre-Assembled Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 17.78 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 29.64 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 209.23 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 110.25 For Grade 2 With Lever Handles, Deduct -230.57 For Grade 2 With Knobs, Deduct -397.13	668.37	18.91
08 71	16 00-2238		Bored Locks And Latches (08 71 16 00-2231) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2239	EA		Passage/Closet F75 Bored Latchset.....	187.50	18.91
			Note: Both sides always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	3.36	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	5.59	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	39.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	20.81	
			For Grade 2, Deduct	-5.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.24	
			For Interchangeable Core, Add	9.45	
08 71 16 00-2240	EA		Bath/Bedroom Privacy F76 Bored Lockset.....	214.18	18.91
			Note: Locked with push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.16	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	6.93	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	48.90	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	25.77	
			For Grade 2, Deduct	-6.93	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.77	
			For Interchangeable Core, Add	9.45	
08 71 16 00-2241	EA		Entrance/Office F82 Bored Lockset.....	235.68	18.91
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 16 00-2242	EA		Classroom F84 Bored Lockset.....	235.68	18.91
			Note: Locked with key outside. Inside always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 16 00-2243	EA		Storeroom/Closet F86 Bored Lockset.....	235.68	18.91
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 16 00-2244	EA		Corridor/Dormitory F90 Bored Lockset.....	235.68	18.91
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 16 00-2245			Other Locks (08 71 16 00-2215)		
			Note: BHMA A156.5.		
08 71 16 00-2246	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421.....	606.18	98.33
08 71 16 00-2247	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461.....	1,364.36	196.66
08 71 16 00-2248			Pushbutton Combination Locks (08 71 16 00-2215)		
08 71 16 00-2249			Mechanical Pushbutton Combination Locks (08 71 16 00-2248)		
			Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 16 00-2250			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)		
			(08 71 16 00-2249)		
			Note: Satin chrome or antique brass finish.		
08 71 16 00-2251	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	488.22	47.68
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 16 00-2252	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	523.22	47.68
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 16 00-2253	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	537.22	47.68
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 16 00-2254	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	572.22	47.68
			For Bright Chrome Or Bright Brass Finish, Add	17.50	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2255	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	547.72	47.68
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 16 00-2256	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	582.72	47.68
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 16 00-2257	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	596.72	47.68
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 16 00-2258	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	631.72	47.68
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 16 00-2259			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) <small>(08 71 16 00-2249)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 16 00-2260	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	539.32	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 16 00-2261	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	567.32	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 16 00-2262	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	623.32	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 16 00-2263	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	644.32	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 16 00-2264	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	644.32	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 16 00-2265	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	609.32	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 16 00-2266			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) <small>(08 71 16 00-2249)</small> Note: Satin chrome or antique brass finish.		
08 71 16 00-2267	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	649.22	47.68
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 16 00-2268	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	670.22	47.68
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 16 00-2269			Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) <small>(08 71 16 00-2249)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 16 00-2270	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	287.32	47.68
08 71 16 00-2271	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	379.72	47.68
08 71 16 00-2272			Electrical Pushbutton Combination Locks <small>(08 71 16 00-2248)</small> Note: Privacy option limits access to privileged users (master codes).		
08 71 16 00-2273			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 16 00-2272)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 16 00-2274	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	505.72	47.68
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2275	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	589.72	47.68
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2276	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	610.72	47.68
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2277	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	575.72	47.68
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2278	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	540.72	47.68
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2279	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	610.72	47.68
			<i>For Satin Brass Finish, Add</i>	17.50	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2280 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	624.72	47.68
<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2281 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	645.72	47.68
<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2282 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	610.72	47.68
<i>For Satin Brass Finish, Add</i>	17.50	
08 71 16 00-2283 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 16 00-2272)</small>		
Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 16 00-2284 EA Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	645.72	47.68
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2285 EA Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	645.72	47.68
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2286 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 16 00-2272)</small>		
Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 16 00-2287 EA Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	754.22	47.68
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2288 EA Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	754.22	47.68
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2289 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 16 00-2272)</small>		
Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 16 00-2290 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	810.22	47.68
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2291 EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	880.22	47.68
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2292 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	894.22	47.68
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2293 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	915.22	47.68
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2294 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	880.22	47.68
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	84.61	
Note: Excludes momentary contact switch.		
08 71 16 00-2295 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 16 00-2272)</small>		
Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2296	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,142.72	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	84.61	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 16 00-2297	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,212.72	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	84.61	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 16 00-2298	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,226.72	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	84.61	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 16 00-2299	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,247.72	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	84.61	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 16 00-2300	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,212.72	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	84.61	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 16 00-2301			Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) <small>(08 71 16 00-2272)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 16 00-2302	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	1,618.72	47.68
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 16 00-2303			Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) <small>(08 71 16 00-2272)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 16 00-2304	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,020.22	47.68
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 16 00-2305			Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) <small>(08 71 16 00-2272)</small>		
08 71 16 00-2306	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	502.58	
08 71 16 00-2307	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	642.58	
08 71 16 00-2308	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	852.58	
08 71 16 00-2309	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	254.78	
08 71 16 00-2310	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	77.88	
			<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 16 00-2311	EA		12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	92.58	
08 71 16 00-2312			Residential Locks And Latchsets <small>(08 71 16 00-2215)</small>		
08 71 16 00-2313	EA		Residential Entry Lockset With Knobs (Master Keyed).....	53.56	11.44
08 71 16 00-2314	EA		Residential Privacy Lockset With Knobs.....	52.68	11.44
08 71 16 00-2315	EA		Residential Passage Lockset With Knobs.....	52.57	11.44
08 71 16 00-2316	EA		Residential Dummy Lockset With Knobs.....	42.17	9.53
08 71 16 00-2317	EA		Residential Entry Lockset With Levers (Master Keyed).....	59.61	11.44
08 71 16 00-2318	EA		Residential Privacy Lockset With Levers.....	57.60	11.44
08 71 16 00-2319	EA		Residential Passage Lockset With Levers.....	56.15	11.44
08 71 16 00-2320	EA		Residential Dummy Lockset With Levers.....	42.86	9.53
08 71 16 00-2321	EA		Screen Door - Closer.....	31.63	8.24
08 71 16 00-2322	EA		Screen Door - Locking Handle.....	36.09	11.83
08 71 16 00-2323			Deadbolts <small>(08 71 16 00-2215)</small>		
08 71 16 00-2324			Cylindrical Deadbolts, Grade 1, ANSI 156.5 <small>(08 71 16 00-2323)</small>		
			<i>Note: 2-3/8" or 2-3/4" backset.</i>		
08 71 16 00-2325	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	121.72	18.91
			<i>Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.</i>		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2326 EA Double Cylinder Deadbolt, Key Both Sides.....	137.92	18.91
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 16 00-2327 Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 16 00-2323)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 16 00-2328 EA Single Cylinder Deadbolt, Key One Side, Knob One Side	110.62	18.91
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 16 00-2329 EA Double Cylinder Deadbolt, Key Both Sides.....	128.32	18.91
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 16 00-2330 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 16 00-2323)		
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 16 00-2331 EA Small Case Mortised Deadbolt, Key One Side, Knob One Side	157.24	18.91
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 16 00-2332 EA Small Case Mortised Deadbolt, Key Both Sides	172.24	18.91
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 16 00-2333 EA Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side	154.24	18.91
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 16 00-2334 Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 16 00-2323)		
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 16 00-2335 EA Mortised Deadbolt, Key One Side, Knob One Side.....	198.04	18.91
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 16 00-2336 EA Mortised Deadbolt, Key Both Sides	222.64	18.91
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 16 00-2337 EA Mortised Deadbolt, Key One Side, Cover Plate One Side	177.04	18.91
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 16 00-2338 Surface Mounted Deadbolts (08 71 16 00-2323)		
08 71 16 00-2339 EA Single Cylinder Surface Mounted Deadbolt	86.45	18.91
Note: Key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 16 00-2340 EA Double Cylinder Surface Mounted Deadbolt.....	97.29	18.91
Note: Key both sides, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 16 00-2341 EA Single Cylinder Surface Mounted Interlocking Deadbolt.....	105.91	18.91
Note: Jimmy proof, key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 16 00-2342 EA Double Cylinder Surface Mounted Interlocking Deadbolt.....	116.75	18.91
Note: Jimmy proof, key both sides, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 16 00-2343 Surface Mounted Deadlatches (08 71 16 00-2215)		
08 71 16 00-2344 EA Single Cylinder Surface Mounted Deadlatch	87.30	18.91
Note: Key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 16 00-2345 EA Single Cylinder Surface Mounted Interlocking Deadlatch	105.95	18.91
Note: Jimmy proof, key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 16 00-2346 Electric Strikes (08 71 16 00-2215)		
08 71 16 00-2347 EA Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	222.60	37.82
08 71 16 00-2348 EA Stainless Steel Body Electric Strike For Rim Mounted Lock (Von Duprin 6112).....	469.53	37.82
08 71 16 00-2349 EA Stainless Steel Body Electric Strike (Von Duprin 6215).....	494.68	37.82
08 71 16 00-2350 EA Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006)	352.32	37.82
08 71 16 00-2351 EA Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500)	350.36	37.82
08 71 16 00-2352 EA Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000).....	182.00	37.82
08 71 16 00-2353 EA Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200).....	182.00	37.82
08 71 16 00-2354 EA Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000)	227.73	37.82
08 71 16 00-2355 EA Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500).....	389.46	37.82
08 71 16 00-2356 EA Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000)	203.18	37.82
08 71 16 00-2357 EA Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300).....	359.59	37.82
08 71 16 00-2358 EA Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500).....	320.16	37.82
08 71 16 00-2359 EA Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400).....	382.96	49.92
08 71 16 00-2360 EA Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500)	432.13	49.92
08 71 16 00-2361 EA Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600).....	383.22	49.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2362 Electric Hardware (08 71 16 00-2215)					
08 71 16 00-2363	EA		Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	108.57	
08 71 16 00-2364	EA		Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	125.00	
08 71 16 00-2365	EA		24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	68.88	18.91
08 71 16 00-2366	EA		1 Amp At 12/24 Volt DC, Door Hardware Power Supply	206.80	18.91
08 71 16 00-2367	EA		3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply.....	353.51	18.91
08 71 16 00-2368	EA		4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply.....	537.36	18.91
08 71 16 00-2369	EA		6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply.....	593.32	18.91
08 71 16 00-2370	EA		9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply.....	707.15	18.91
08 71 16 00-2371	EA		15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply.....	855.99	18.91
08 71 16 00-2372	EA		18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	59.31	18.91
08 71 16 00-2373	EA		24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	60.44	18.91
08 71 16 00-2374	EA		30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	67.36	18.91
08 71 16 00-2375	EA		45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	68.73	18.91
08 71 16 00-2376	EA		60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	69.43	18.91
08 71 16 00-2377	EA		72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	73.41	18.91
08 71 16 00-2378	EA		12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	60.02	18.91
08 71 16 00-2379	EA		18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	65.58	18.91
08 71 16 00-2380	EA		36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	69.97	18.91
08 71 16 00-2381	EA		49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	77.57	18.91
08 71 16 00-2382	EA		60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	79.67	18.91
08 71 16 00-2383	EA		12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	66.96	18.91
08 71 16 00-2384	EA		18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	74.73	18.91
08 71 16 00-2385	EA		18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	48.50	18.91
08 71 16 00-2386	EA		24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	54.51	18.91
08 71 16 00-2387	EA		30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	57.69	18.91
08 71 16 00-2388	EA		36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	61.09	18.91
08 71 16 00-2389	EA		60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	78.80	18.91
08 71 16 00-2390	EA		72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	86.20	18.91
08 71 16 00-2391	EA		12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	50.96	18.91
08 71 16 00-2392	EA		18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	53.28	18.91
08 71 16 00-2393	EA		24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	60.18	18.91
08 71 16 00-2394	EA		36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	71.16	18.91
08 71 16 00-2395	EA		48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	80.99	18.91
08 71 16 00-2396	EA		60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	97.13	18.91
08 71 16 00-2397	EA		12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	54.82	18.91
08 71 16 00-2398	EA		18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	58.38	18.91
08 71 16 00-2399	EA		Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	366.21	18.91
08 71 16 00-2400	EA		Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	400.71	26.48
08 71 16 00-2401 Magnetic Locks (08 71 16 00-2215)					
08 71 16 00-2402	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	452.89	90.77
08 71 16 00-2403	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	541.73	102.12
08 71 16 00-2404	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	525.94	90.77
08 71 16 00-2405	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	614.63	102.12
08 71 16 00-2406	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	551.26	98.33
08 71 16 00-2407	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	601.36	98.33
08 71 16 00-2408	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	640.36	98.33
08 71 16 00-2409	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	704.83	113.46
08 71 16 00-2410	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	771.43	113.46
08 71 16 00-2411	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	801.43	113.46
08 71 16 00-2412	EA		2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	241.02	37.82
08 71 16 00-2413	EA		4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	390.64	37.82
08 71 16 00-2414	EA		6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	468.40	37.82
08 71 16 00-2415 Door Coordinators (08 71 16)					
08 71 16 00-2416	EA		32" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	274.92	23.64
			<i>For Anodized Aluminum Finish, Deduct</i>	-72.14	
08 71 16 00-2417	EA		42" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	288.55	24.58
			<i>For Anodized Aluminum Finish, Deduct</i>	-76.09	
08 71 16 00-2418	EA		52" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	295.66	25.53
			<i>For Anodized Aluminum Finish, Deduct</i>	-77.42	
08 71 16 00-2419	EA		60" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	308.41	26.48
			<i>For Anodized Aluminum Finish, Deduct</i>	-81.00	
08 71 16 00-2420	EA		72" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	330.00	27.42
			<i>For Anodized Aluminum Finish, Deduct</i>	-88.13	
08 71 16 00-2421	EA		Up To 20" Filler Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	66.07	7.56
				-14.33	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2422 EA Up To 32" Filler Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	72.89 -15.54	8.51
08 71 16 00-2423 EA Up To 44" Filler Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	83.53 -18.28	9.46
08 71 16 00-2424 EA CB1 Carry Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	63.28 -10.18	9.46
08 71 16 00-2425 EA 7" Projection COR Series Gravity Type Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	93.67 -14.78	14.18
08 71 16 00-2426 EA 9" Projection COR Series Gravity Type Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	99.58 -17.14	14.18
08 71 16 00-2427 Removal And Reinstallation Of Door Hardware (08 71 16) Note: Includes storage and cleaning.		
08 71 16 00-2428 EA Remove And Reinstall Door Lockset, Entrance.....	56.73	
08 71 16 00-2429 EA Remove And Reinstall Door Lockset, Mortise.....	90.77	
08 71 16 00-2430 EA Remove And Reinstall Deadbolt Lock.....	60.52	
08 71 16 00-2431 PR Remove And Reinstall Butts/Hinges.....	15.13	
08 71 16 00-2432 EA Remove And Reinstall Door Bumper.....	5.30	
08 71 16 00-2433 EA Remove And Reinstall Surface Mounted Panic Device.....	151.28	
08 71 16 00-2434 EA Remove And Reinstall Kick Plate.....	18.91	
08 71 16 00-2435 EA Remove And Reinstall Push Plate.....	15.13	
08 71 16 00-2436 EA Remove And Reinstall Surface Mounted Door Closer Or Holder.....	75.64	
08 71 16 00-2437 EA Remove And Reinstall Door Handles.....	11.35	
08 71 16 00-2438 Electromagnetic Door Release (08 71 16)		
08 71 16 00-2439 EA Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	342.77	47.66
08 71 16 00-2440 EA Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	335.42	47.66
08 71 16 00-2441 EA Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	372.47	47.66
08 71 16 00-2442 EA Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC.....	591.17	47.66
08 71 16 00-2443 EA Electro-Magnetic Door Release, Sliding Door 24 Volt DC.....	571.67	47.66
08 71 16 00-2444 EA Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	571.67	47.66
08 71 16 00-2445 EA Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	523.97	47.66
08 71 16 00-2446 EA Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	644.57	47.66
08 71 16 00-2447 EA Photo Electric Smoke Detector Suitable For Door Holder Release.....	621.36	47.66
08 71 16 00-2448 EA Ionization Type Smoke Detector Suitable For Door Holder Release.....	757.03	47.66
08 71 19 Weatherstripping And Seals (08 71)		
08 71 19 00-0001 Weather-Stripping And Seals (08 71 19)		
08 71 19 00-0002 Astragals (08 71 19 00-0001) Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 71 19 00-0003 Adhesive Backed Astragals (08 71 19 00-0002)		
08 71 19 00-0004 LF 7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	3.26	0.56
08 71 19 00-0005 LF 1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	3.34	0.56
08 71 19 00-0006 LF 1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	3.11	0.56
08 71 19 00-0007 Overlapping Astragals (08 71 19 00-0002)		
08 71 19 00-0008 Aluminum, Overlapping Astragals (08 71 19 00-0007)		
08 71 19 00-0009 LF 2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)..... <i>For Color Anodized Finish, Add</i>	12.06 1.60	3.40
08 71 19 00-0010 Stainless Steel, Overlapping Astragals (08 71 19 00-0007)		
08 71 19 00-0011 LF 2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	30.24	3.40
08 71 19 00-0012 "T" Astragals (08 71 19 00-0002)		
08 71 19 00-0013 Aluminum, "T" Astragals (08 71 19 00-0012)		
08 71 19 00-0014 LF 1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)..... <i>For Color Anodized Finish, Add</i>	8.74 0.71	3.40
08 71 19 00-0015 LF Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)..... <i>For Color Anodized Finish, Add</i>	10.43 0.74	3.40
08 71 19 00-0016 LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)..... <i>For Color Anodized Finish, Add</i> <i>For Silicone Insert, Add</i>	14.73 2.80 0.63	3.40
08 71 19 00-0017 LF Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)..... <i>For Color Anodized Finish, Add</i>	21.11 5.04	3.40
08 71 19 00-0018 Brass/Bronze, "T" Astragals (08 71 19 00-0012)		
08 71 19 00-0019 LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)..... <i>For Silicone Insert, Add</i>	51.23 0.63	3.40



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0020 Locking Astragals (08 71 19 00-0002)		
08 71 19 00-0021 Outswing Locking Astragals (08 71 19 00-0020) Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 71 19 00-0022 Aluminum, Outswing Locking Astragals (08 71 19 00-0021)		
08 71 19 00-0023 LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	26.78	3.40
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Color Anodized Finish, Add	4.01	
08 71 19 00-0024 LF Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	31.08	3.40
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Color Anodized Finish, Add	4.87	
08 71 19 00-0025 LF Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	35.38	3.40
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Thermal Break, Add	1.72	
08 71 19 00-0026 LF Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	39.67	3.40
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Thermal Break, Add	1.98	
08 71 19 00-0027 Inswing Locking Astragals (08 71 19 00-0020) Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 71 19 00-0028 Wood, Inswing Locking Astragals (08 71 19 00-0027)		
08 71 19 00-0029 LF Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	32.09	3.40
08 71 19 00-0030 LF Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q).....	30.50	3.40
Note: Includes kerf-in foam seal.		
08 71 19 00-0031 Aluminum, Inswing Locking Astragals (08 71 19 00-0027)		
08 71 19 00-0032 LF Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV).....	17.78	3.40
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	2.21	
08 71 19 00-0033 LF Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	21.37	3.40
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	2.93	
08 71 19 00-0034 LF Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	19.12	3.40
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Magnetic Kerf-In Insert, Add	0.47	
For Color Anodized Finish, Add	2.48	
08 71 19 00-0035 LF Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	22.69	3.40
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Magnetic Kerf-In Insert, Add	0.47	
For Color Anodized Finish, Add	3.19	
08 71 19 00-0036 Security Astragals (08 71 19 00-0002)		
08 71 19 00-0037 LF Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	16.56	3.40
For Color Anodized Finish, Add	9.84	
08 71 19 00-0038 LF 2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	32.73	3.40
08 71 19 00-0039 Meeting Stile Astragals (08 71 19 00-0002)		
08 71 19 00-0040 One Piece, Meeting Stile Astragals (08 71 19 00-0039) Note: Includes an astragal for one door only.		
08 71 19 00-0041 LF 1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	10.55	3.40
For Color Anodized Finish, Add	1.15	
08 71 19 00-0042 LF 1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	16.18	5.06
For Color Anodized Finish, Add	2.43	
08 71 19 00-0043 LF 9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	21.72	5.06
For Color Anodized Finish, Add	1.16	
08 71 19 00-0044 LF 15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	22.35	5.06
For Color Anodized Finish, Add	3.06	
08 71 19 00-0045 LF 1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	21.29	5.06
08 71 19 00-0046 Two Piece, Meeting Stile Split Astragals (08 71 19 00-0039) Note: Includes one astragal for each door.		

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	12.75	5.06
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	2.65	
08 71 19 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	12.88	5.06
			<i>For Color Anodized Finish, Add</i>	2.78	
08 71 19 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	12.88	5.06
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	2.78	
08 71 19 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	20.41	5.06
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.06	
08 71 19 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	17.23	5.06
			<i>For Color Anodized Finish, Add</i>	2.85	
08 71 19 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	17.76	5.06
			<i>For Color Anodized Finish, Add</i>	3.06	
08 71 19 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	20.93	5.06
			<i>For Color Anodized Finish, Add</i>	5.42	
			<i>For Silicone Insert, Add</i>	0.95	
08 71 19 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	21.99	5.06
			<i>For Color Anodized Finish, Add</i>	4.76	
08 71 19 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	22.51	5.06
			<i>For Color Anodized Finish, Add</i>	4.96	
08 71 19 00-0056			Two Piece, Adjustable Meeting Stile Split Astragals (08 71 19 00-0039) Note: Includes one astragal for each door.		
08 71 19 00-0057			Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 19 00-0056)		
08 71 19 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	38.60	5.06
			<i>For Color Anodized Finish, Add</i>	7.13	
			<i>For Silicone Insert, Add</i>	0.63	
08 71 19 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	40.22	5.06
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	6.02	
08 71 19 00-0060			Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 19 00-0056)		
08 71 19 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	146.84	5.06
			<i>For Silicone Insert, Add</i>	0.63	
08 71 19 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	137.28	5.06
			<i>For Silicone Insert, Add</i>	0.63	
08 71 19 00-0063			Door Sweeps (08 71 19 00-0001)		
08 71 19 00-0064			Tack On Door Sweeps (08 71 19 00-0063)		
08 71 19 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	4.84	1.89
08 71 19 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	4.93	1.89
08 71 19 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	5.19	1.89
08 71 19 00-0068			Aluminum Retainer Door Sweeps (08 71 19 00-0063)		
08 71 19 00-0069			35 Degree, Aluminum Retainer Door Sweeps (08 71 19 00-0068) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 71 19 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	11.26	3.78
			<i>For Color Anodized Finish, Add</i>	1.48	
08 71 19 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	11.65	3.78
			<i>For Color Anodized Finish, Add</i>	1.43	
08 71 19 00-0072			45 Degree, Aluminum Retainer Door Sweeps (08 71 19 00-0068) Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 71 19 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	17.87	3.78
			<i>For Color Anodized Finish, Add</i>	4.12	
08 71 19 00-0074	LF		2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	19.06	3.78
			<i>For Color Anodized Finish, Add</i>	4.60	
08 71 19 00-0075	LF		4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	22.49	3.78
			<i>For Color Anodized Finish, Add</i>	5.97	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0076 90 Degree, Aluminum Retainer Door Sweeps <small>(08 71 19 00-0068)</small>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 19 00-0077 LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	12.58	3.78
<i>For Color Anodized Finish, Add</i> 0.50		
08 71 19 00-0078 LF 5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	12.58	3.78
<i>For Color Anodized Finish, Add</i> 0.50		
08 71 19 00-0079 LF 1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	13.38	3.78
<i>For Color Anodized Finish, Add</i> 2.04		
08 71 19 00-0080 LF 1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	13.77	3.78
<i>For Color Anodized Finish, Add</i> 2.48		
08 71 19 00-0081 LF 7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	12.05	3.78
<i>For Color Anodized Finish, Add</i> 1.12		
08 71 19 00-0082 LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	15.22	3.78
<i>For Color Anodized Finish, Add</i> 1.53		
08 71 19 00-0083 LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	12.71	3.78
<i>For Color Anodized Finish, Add</i> 1.03		
08 71 19 00-0084 LF 9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	9.54	3.78
Note: Includes mill finish.		
<i>For Color Anodized Finish, Add</i> 0.99		
08 71 19 00-0085 LF 1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	9.54	3.78
Note: Includes mill finish.		
<i>For Color Anodized Finish, Add</i> 0.99		
08 71 19 00-0086 LF 1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	10.54	3.78
Note: Includes mill finish.		
<i>For Color Anodized Finish, Add</i> 1.04		
08 71 19 00-0087 180 Degree, Aluminum Retainer Door Sweeps <small>(08 71 19 00-0068)</small>		
Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 19 00-0088 180 Degree, Aluminum Retainer Door Sweeps <small>(08 71 19 00-0087)</small>		
08 71 19 00-0089 LF 3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	11.13	3.78
<i>For Color Anodized Finish, Add</i> 1.43		
08 71 19 00-0090 LF 5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	11.39	3.78
<i>For Color Anodized Finish, Add</i> 1.53		
08 71 19 00-0091 LF 1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	13.38	3.78
<i>For Color Anodized Finish, Add</i> 2.04		
08 71 19 00-0092 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps <small>(08 71 19 00-0087)</small>		
08 71 19 00-0093 LF 3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	13.50	3.78
<i>For Color Anodized Finish, Add</i> 2.38		
08 71 19 00-0094 LF 5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	13.77	3.78
<i>For Color Anodized Finish, Add</i> 2.48		
08 71 19 00-0095 LF 1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	14.69	3.78
<i>For Color Anodized Finish, Add</i> 2.85		
08 71 19 00-0096 Mortised, Aluminum Retainer Door Sweeps <small>(08 71 19 00-0068)</small>		
Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 71 19 00-0097 LF 1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	9.94	3.78
08 71 19 00-0098 LF 13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	9.94	3.78
08 71 19 00-0099 LF 5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	10.07	3.78
08 71 19 00-0100 Aluminum Retainer Door Sweeps With Rain Drip <small>(08 71 19 00-0063)</small>		
08 71 19 00-0101 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip <small>(08 71 19 00-0100)</small>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 71 19 00-0102 LF 1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV).....	9.54	3.78
<i>For Color Anodized Finish, Add</i> 1.39		
08 71 19 00-0103 LF 1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV).....	11.13	3.78
<i>For Color Anodized Finish, Add</i> 1.43		
08 71 19 00-0104 LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB).....	13.38	3.78
Note: Includes clear anodized finish.		
<i>For Color Anodized Finish, Add</i> 1.16		
08 71 19 00-0105 LF 7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB).....	13.64	3.78
<i>For Color Anodized Finish, Add</i> 1.22		
08 71 19 00-0106 Brass/Bronze Retainer Door Sweeps <small>(08 71 19 00-0063)</small>		
08 71 19 00-0107 90 Degree, Brass/Bronze Retainer Door Sweeps <small>(08 71 19 00-0106)</small>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 19 00-0108 LF 7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	12.05	3.78

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0109		Oak Retainer Door Sweeps (08 71 19 00-0063)		
08 71 19 00-0110		90 Degree, Oak Retainer Door Sweeps (08 71 19 00-0109)		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 19 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	12.45	3.78
08 71 19 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	13.90	3.78
08 71 19 00-0113		Door Shoes And Bottoms (08 71 19 00-0001)		
08 71 19 00-0114		Door Shoes (08 71 19 00-0113)		
08 71 19 00-0115		Aluminum Retainer Door Shoes (08 71 19 00-0114)		
08 71 19 00-0116		Bottom Mount, Aluminum Retainer Door Shoes (08 71 19 00-0115)		
08 71 19 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	10.34	3.78
		For Color Anodized Finish, Add	1.11	
		For Thermo-Plastic Elastomer Insert, Add	0.68	
08 71 19 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	10.60	3.78
		For Color Anodized Finish, Add	1.22	
08 71 19 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	18.83	3.78
		For Color Anodized Finish, Add	2.25	
08 71 19 00-0120		Side Mount, Aluminum Retainer Door Shoes (08 71 19 00-0115)		
08 71 19 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	11.91	3.78
		For Color Anodized Finish, Add	1.74	
		For Thermo-Plastic Elastomer Insert, Add	0.68	
08 71 19 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes (08 71 19 00-0115)		
08 71 19 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	11.00	3.78
		For Color Anodized Finish, Add	1.72	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 19 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	11.79	3.78
		For Color Anodized Finish, Add	1.69	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 19 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	11.79	3.78
		For Color Anodized Finish, Add	1.69	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 19 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	19.19	3.78
		For Color Anodized Finish, Add	2.33	
08 71 19 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	19.45	3.78
		For Color Anodized Finish, Add	2.38	
08 71 19 00-0128		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 71 19 00-0115)		
08 71 19 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	11.00	3.78
		For Color Anodized Finish, Add	1.72	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 19 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	11.79	3.78
		For Color Anodized Finish, Add	1.69	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 19 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	11.79	3.78
		For Color Anodized Finish, Add	1.69	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 19 00-0132		Vinyl Door Shoes (08 71 19 00-0114)		
08 71 19 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	11.57	3.78
08 71 19 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	19.36	3.78
08 71 19 00-0135		Door Bottoms (08 71 19 00-0113)		
08 71 19 00-0136		Automatic Door Bottoms (08 71 19 00-0135)		
08 71 19 00-0137		Aluminum Automatic Door Bottoms (08 71 19 00-0136)		
08 71 19 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	27.33	3.78
		For Color Anodized Finish, Add	3.95	
08 71 19 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	39.71	3.78
		For Color Anodized Finish, Add	6.43	
08 71 19 00-0140		Door Top Protection (08 71 19 00-0001)		
08 71 19 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	9.34	3.02
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.90	
08 71 19 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	9.34	3.02
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.90	
08 71 19 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	9.61	3.02
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.98	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0144 EA For 20 Oz Copper Drip Cap For Exterior Door.....	97.27	
08 71 19 00-0145 Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0001)</small>		
Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 71 19 00-0146 Adhesive Backed Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0145)</small>		
08 71 19 00-0147 LF 3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	2.95	1.89
<i>For Intumescent Seal, Add</i>		
	1.50	
08 71 19 00-0148 LF 1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	2.99	1.89
<i>For Intumescent Seal, Add</i>		
	1.50	
08 71 19 00-0149 LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	3.37	1.89
<i>For Intumescent Seal, Add</i>		
	1.50	
08 71 19 00-0150 LF 7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.28	1.89
<i>For Intumescent Seal, Add</i>		
	1.50	
08 71 19 00-0151 LF 5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	3.73	1.89
<i>For Intumescent Seal, Add</i>		
	1.50	
08 71 19 00-0152 LF 1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	4.09	1.89
<i>For Intumescent Seal, Add</i>		
	1.50	
08 71 19 00-0153 Kerf-In Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0145)</small>		
08 71 19 00-0154 LF 3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	2.59	1.89
08 71 19 00-0155 LF 7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	4.06	1.89
08 71 19 00-0156 LF 3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	2.95	1.89
08 71 19 00-0157 LF 5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	2.90	1.89
08 71 19 00-0158 LF 3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	3.90	1.89
08 71 19 00-0159 Cushion/Spring Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0145)</small>		
08 71 19 00-0160 Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0159)</small>		
08 71 19 00-0161 LF 1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	5.97	1.89
08 71 19 00-0162 LF 1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	6.40	1.89
08 71 19 00-0163 LF 1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	6.93	1.89
08 71 19 00-0164 LF 1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	7.03	1.89
08 71 19 00-0165 Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0159)</small>		
08 71 19 00-0166 LF 5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	6.08	1.89
08 71 19 00-0167 LF 7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	6.87	1.89
08 71 19 00-0168 LF 1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	7.97	1.89
08 71 19 00-0169 Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0145)</small>		
08 71 19 00-0170 Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0169)</small>		
08 71 19 00-0171 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	5.11	1.89
<i>For Silicone Insert, Add</i>		
	0.95	
<i>For Color Anodized Finish, Add</i>		
	1.33	
08 71 19 00-0172 LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	5.17	1.89
<i>For Silicone Insert, Add</i>		
	0.95	
<i>For Color Anodized Finish, Add</i>		
	1.39	
08 71 19 00-0173 LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	5.17	1.89
<i>For Silicone Insert, Add</i>		
	0.95	
<i>For Color Anodized Finish, Add</i>		
	1.39	
08 71 19 00-0174 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	8.93	1.89
<i>For Silicone Insert, Add</i>		
	0.63	
<i>For Color Anodized Finish, Add</i>		
	1.03	
08 71 19 00-0175 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	9.20	1.89
<i>For Color Anodized Finish, Add</i>		
	2.71	
<i>For Silicone Insert, Add</i>		
	0.95	
08 71 19 00-0176 LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	9.20	1.89
<i>For Color Anodized Finish, Add</i>		
	1.90	
08 71 19 00-0177 Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0169)</small>		
08 71 19 00-0178 Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 19 00-0177)</small>		
08 71 19 00-0179 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	9.86	1.89
<i>For Silicone Insert, Add</i>		
	0.95	

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 19 00-0180		Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 19 00-0177)		
08 71 19 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	11.05	1.89
08 71 19 00-0182		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 19 00-0145)		
08 71 19 00-0183		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 19 00-0182)		
08 71 19 00-0184	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	17.05	1.89
		For Silicone Insert, Add	1.58	
08 71 19 00-0185	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	34.06	1.89
08 71 19 00-0186		Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 19 00-0182)		
08 71 19 00-0187		Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 19 00-0186)		
08 71 19 00-0188	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	35.16	1.89
		For Silicone Insert, Add	0.63	
08 71 19 00-0189		Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 71 19 00-0145)		
08 71 19 00-0190	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A)	13.78	3.78
		Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
		For Color Anodized Finish, Add	2.49	
08 71 19 00-0191	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR)	14.30	3.78
		Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
		For Color Anodized Finish, Add	2.70	
08 71 19 00-0192		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 19 00-0145)		
		Note: Seals gaps from 1/16" to 1/4".		
08 71 19 00-0193	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	18.58	1.89
		For Color Anodized Finish, Add	2.96	
08 71 19 00-0194	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	19.63	1.89
		For Color Anodized Finish, Add	3.17	
08 71 21		Thresholds (08 71)		
08 71 21 00-0001		Thresholds (08 71 21) Note: Includes material, fasteners, installation, caulk and sealants.		
08 71 21 00-0002		Metal Thresholds (08 71 21 00-0001)		
08 71 21 00-0003		Saddle Thresholds (08 71 21 00-0002)		
08 71 21 00-0004		Aluminum Saddle Thresholds (08 71 21 00-0003) Note: Includes mill finish.		
08 71 21 00-0005		3/16" Height, Aluminum Saddle Thresholds (08 71 21 00-0004)		
08 71 21 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	19.75	6.05
		For Color Anodized Finish, Add	1.85	
08 71 21 00-0007		1/4" Height, Aluminum Saddle Thresholds (08 71 21 00-0004)		
08 71 21 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	21.73	6.05
		For Color Anodized Finish, Add	2.64	
08 71 21 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	25.37	7.56
		For Color Anodized Finish, Add	4.53	
08 71 21 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	29.07	7.56
		For Color Anodized Finish, Add	5.09	
08 71 21 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	31.59	7.56
		For Color Anodized Finish, Add	4.44	
08 71 21 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	36.08	7.56
		For Color Anodized Finish, Add	4.30	
08 71 21 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	41.72	9.07
		For Color Anodized Finish, Add	4.76	
08 71 21 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	45.67	9.07
		For Color Anodized Finish, Add	5.75	
08 71 21 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	49.51	9.07
		For Color Anodized Finish, Add	6.71	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0016 5/16" Height, Aluminum Saddle Thresholds <small>(08 71 21 00-0004)</small>		
08 71 21 00-0017 LF 2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A).....	21.46	6.05
<i>For Color Anodized Finish, Add</i>	2.22	
08 71 21 00-0018 1/2" Height, Aluminum Saddle Thresholds <small>(08 71 21 00-0004)</small>		
08 71 21 00-0019 LF 3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A).....	21.59	6.05
<i>For Color Anodized Finish, Add</i>	3.24	
08 71 21 00-0020 LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A).....	25.51	7.56
<i>For Color Anodized Finish, Add</i>	4.63	
08 71 21 00-0021 LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A).....	29.07	7.56
<i>For Color Anodized Finish, Add</i>	5.09	
08 71 21 00-0022 LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A).....	31.59	7.56
<i>For Color Anodized Finish, Add</i>	4.44	
08 71 21 00-0023 LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A).....	36.08	7.56
<i>For Color Anodized Finish, Add</i>	4.30	
08 71 21 00-0024 LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A).....	42.91	9.07
<i>For Color Anodized Finish, Add</i>	7.08	
08 71 21 00-0025 LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A).....	43.96	9.07
<i>For Color Anodized Finish, Add</i>	8.51	
08 71 21 00-0026 LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A).....	45.95	9.07
<i>For Color Anodized Finish, Add</i>	9.30	
08 71 21 00-0027 Brass/Bronze Saddle Thresholds <small>(08 71 21 00-0003)</small>		
08 71 21 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds <small>(08 71 21 00-0027)</small>		
08 71 21 00-0029 LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	52.99	6.05
08 71 21 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds <small>(08 71 21 00-0027)</small>		
08 71 21 00-0031 LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	84.93	6.05
08 71 21 00-0032 LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	106.40	7.56
08 71 21 00-0033 LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	114.84	7.56
08 71 21 00-0034 LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	129.64	7.56
08 71 21 00-0035 LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	159.21	7.56
08 71 21 00-0036 LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	196.32	9.07
08 71 21 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds <small>(08 71 21 00-0027)</small>		
08 71 21 00-0038 LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	114.28	7.56
08 71 21 00-0039 LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	128.94	7.56
08 71 21 00-0040 LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	161.99	7.56
08 71 21 00-0041 LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	180.51	7.56
08 71 21 00-0042 LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	242.08	9.07
08 71 21 00-0043 LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	263.51	9.07
08 71 21 00-0044 Stainless Steel Saddle Thresholds <small>(08 71 21 00-0003)</small>		
08 71 21 00-0045 1/2" Height, Stainless Steel Saddle Thresholds <small>(08 71 21 00-0044)</small>		
08 71 21 00-0046 LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	103.57	7.56
08 71 21 00-0047 LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	109.62	7.56
08 71 21 00-0048 Half Saddle Thresholds <small>(08 71 21 00-0002)</small>		
08 71 21 00-0049 Aluminum Half Saddle Thresholds <small>(08 71 21 00-0048)</small>		
Note: Includes mill finish.		
08 71 21 00-0050 3/4" Height, Aluminum Half Saddle Thresholds <small>(08 71 21 00-0049)</small>		
08 71 21 00-0051 LF 5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A).....	33.96	7.56
<i>For Color Anodized Finish, Add</i>	6.02	
08 71 21 00-0052 LF 7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A).....	40.04	7.56
<i>For Color Anodized Finish, Add</i>	2.11	
08 71 21 00-0053 Offset Saddle Thresholds <small>(08 71 21 00-0002)</small>		
08 71 21 00-0054 Aluminum Offset Saddle Thresholds <small>(08 71 21 00-0053)</small>		
Note: Includes mill finish.		
08 71 21 00-0055 1/2" Height, Aluminum Offset Saddle Thresholds <small>(08 71 21 00-0054)</small>		
08 71 21 00-0056 LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A).....	31.06	7.56
<i>For Color Anodized Finish, Add</i>	6.08	
08 71 21 00-0057 LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A).....	34.36	7.56
<i>For Color Anodized Finish, Add</i>	5.41	
08 71 21 00-0058 3/4" Height, Aluminum Offset Saddle Thresholds <small>(08 71 21 00-0054)</small>		
08 71 21 00-0059 LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A).....	31.06	7.56
<i>For Color Anodized Finish, Add</i>	6.08	

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0060			1" Height, Aluminum Offset Saddle Thresholds (08 71 21 00-0054)		
08 71 21 00-0061	LF		7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A) <i>For Color Anodized Finish, Add</i>	35.42 5.78	7.56
08 71 21 00-0062			Modular Ramp Thresholds (08 71 21 00-0001) Note: Includes mill finish.		
08 71 21 00-0063			Flush, Aluminum Modular Ramp Thresholds (08 71 21 00-0062)		
08 71 21 00-0064	LF		6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) <i>For Non-Slip Surfacing, Add</i>	28.66 40.62	7.56
08 71 21 00-0065	LF		9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) <i>For Non-Slip Surfacing, Add</i>	40.19 65.97	8.32
08 71 21 00-0066	LF		12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) <i>For Non-Slip Surfacing, Add</i>	50.50 88.48	9.45
08 71 21 00-0067	LF		15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) <i>For Non-Slip Surfacing, Add</i>	63.15 117.42	9.82
08 71 21 00-0068	LF		18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) <i>For Non-Slip Surfacing, Add</i>	65.56 133.17	10.59
08 71 21 00-0069	LF		21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) <i>For Non-Slip Surfacing, Add</i>	86.97 165.18	11.72
08 71 21 00-0070	LF		24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) <i>For Non-Slip Surfacing, Add</i>	98.82 190.09	12.85
08 71 21 00-0071	LF		28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) <i>For Non-Slip Surfacing, Add</i>	114.42 218.00	13.61
08 71 21 00-0072			3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 21 00-0062)		
08 71 21 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA) <i>For Non-Slip Surfacing, Add</i>	54.35 95.72	9.45
08 71 21 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA) <i>For Non-Slip Surfacing, Add</i>	63.15 117.42	9.82
08 71 21 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA) <i>For Non-Slip Surfacing, Add</i>	78.06 143.99	11.35
08 71 21 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) <i>For Non-Slip Surfacing, Add</i>	87.06 163.46	12.10
08 71 21 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) <i>For Non-Slip Surfacing, Add</i>	101.13 196.09	12.85
08 71 21 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) <i>For Non-Slip Surfacing, Add</i>	112.22 221.00	13.61
08 71 21 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) <i>For Non-Slip Surfacing, Add</i>	127.82 257.63	14.37
08 71 21 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 21 00-0062)		
08 71 21 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) <i>For Non-Slip Surfacing, Add</i>	63.03 119.31	10.21
08 71 21 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) <i>For Non-Slip Surfacing, Add</i>	73.33 141.82	11.35
08 71 21 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) <i>For Non-Slip Surfacing, Add</i>	86.62 168.56	12.10
08 71 21 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) <i>For Non-Slip Surfacing, Add</i>	95.73 189.05	12.85
08 71 21 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) <i>For Non-Slip Surfacing, Add</i>	109.90 214.97	13.61
08 71 21 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) <i>For Non-Slip Surfacing, Add</i>	120.77 239.30	14.37
08 71 21 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) <i>For Non-Slip Surfacing, Add</i>	136.49 265.63	15.12
08 71 21 00-0088			Accessories For Aluminum Modular Ramp Thresholds (08 71 21 00-0062)		
08 71 21 00-0089	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	149.47 15.67	9.45
08 71 21 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	231.62 25.53	9.45
08 71 21 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	459.39 51.95	13.23
08 71 21 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 71 21 00-0088)		
08 71 21 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	149.47 15.67	9.45
08 71 21 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	231.62 25.53	9.45
08 71 21 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	459.39 51.95	13.23



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0097 Latching Panic Exit Saddle Thresholds (08 71 21 00-0001) Note: Includes vinyl or pile seal.		
08 71 21 00-0098 Aluminum, Latching Panic Exit Saddle Thresholds (08 71 21 00-0097) Note: Includes mill finish.		
08 71 21 00-0099 Aluminum, Latching Panic Exit Saddle Thresholds (08 71 21 00-0098)		
08 71 21 00-0100 7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 21 00-0099)		
08 71 21 00-0101 LF 4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP).....	33.70	7.56
For Color Anodized Finish, Add	5.18	
For Thermoseal, Add	0.63	
08 71 21 00-0102 LF 5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	30.92	7.56
For Color Anodized Finish, Add	6.01	
For Thermoseal, Add	0.63	
08 71 21 00-0103 LF 6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	37.67	7.56
For Color Anodized Finish, Add	6.57	
For Thermoseal, Add	0.63	
08 71 21 00-0104 LF 7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	39.64	7.56
For Color Anodized Finish, Add	7.26	
For Thermoseal, Add	0.63	
08 71 21 00-0105 1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 21 00-0099)		
08 71 21 00-0106 LF 3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	29.86	7.56
For Color Anodized Finish, Add	5.48	
For Thermoseal, Add	0.63	
08 71 21 00-0107 LF 5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	30.92	7.56
For Color Anodized Finish, Add	6.01	
For Thermoseal, Add	0.63	
08 71 21 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 21 00-0098)		
08 71 21 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 21 00-0108)		
08 71 21 00-0110 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	33.70	7.56
For Color Anodized Finish, Add	5.92	
For Thermoseal, Add	0.63	
08 71 21 00-0111 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	35.68	7.56
For Color Anodized Finish, Add	6.71	
For Thermoseal, Add	0.63	
08 71 21 00-0112 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	37.67	7.56
For Color Anodized Finish, Add	6.57	
For Thermoseal, Add	0.63	
08 71 21 00-0113 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	39.64	7.56
For Color Anodized Finish, Add	7.26	
For Thermoseal, Add	0.63	
08 71 21 00-0114 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 21 00-0097)		
08 71 21 00-0115 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 21 00-0114)		
08 71 21 00-0116 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 21 00-0115)		
08 71 21 00-0117 LF 4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	151.75	7.56
For Thermoseal, Add	0.63	
08 71 21 00-0118 LF 5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	150.09	7.56
For Thermoseal, Add	0.63	
08 71 21 00-0119 LF 6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	202.07	7.56
For Thermoseal, Add	0.63	
08 71 21 00-0120 LF 7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	212.71	7.56
For Thermoseal, Add	0.63	
08 71 21 00-0121 1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 21 00-0115)		
08 71 21 00-0122 LF 5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	160.60	7.56
For Thermoseal, Add	0.63	
08 71 21 00-0123 Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 21 00-0114)		
08 71 21 00-0124 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 21 00-0123)		
08 71 21 00-0125 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	150.05	8.32
For Thermoseal, Add	0.63	

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0126 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV).....	171.33	8.32
For Thermoseal, Add	0.63	
08 71 21 00-0127 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV).....	202.99	8.32
For Thermoseal, Add	0.63	
08 71 21 00-0128 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV).....	214.36	8.70
For Thermoseal, Add	0.63	
08 71 21 00-0129 Carpet Separator Thresholds (08 71 21 00-0001)		
08 71 21 00-0130 Aluminum, Carpet Separator Thresholds (08 71 21 00-0129) Note: Includes mill finish.		
08 71 21 00-0131 3/8" Height, Aluminum, Carpet Separator Thresholds (08 71 21 00-0130)		
08 71 21 00-0132 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C).....	22.13	6.05
For Color Anodized Finish, Add	2.80	
08 71 21 00-0133 7/16" Height, Aluminum, Carpet Separator Thresholds (08 71 21 00-0130)		
08 71 21 00-0134 LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	18.25	5.30
For Color Anodized Finish, Add	1.76	
08 71 21 00-0135 LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	27.88	6.05
For Color Anodized Finish, Add	3.59	
08 71 21 00-0136 LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	32.90	6.05
For Color Anodized Finish, Add	5.60	
08 71 21 00-0137 1/2" Height, Aluminum, Carpet Separator Thresholds (08 71 21 00-0130)		
08 71 21 00-0138 LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	16.80	5.30
For Color Anodized Finish, Add	0.89	
08 71 21 00-0139 3/4" Height, Aluminum, Carpet Separator Thresholds (08 71 21 00-0130)		
08 71 21 00-0140 LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	18.38	5.30
For Color Anodized Finish, Add	1.55	
08 71 21 00-0141 LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	28.41	7.56
For Color Anodized Finish, Add	3.80	
08 71 21 00-0142 LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	29.73	7.56
For Color Anodized Finish, Add	3.25	
08 71 21 00-0143 Brass/Bronze, Carpet Separator Thresholds (08 71 21 00-0129)		
08 71 21 00-0144 3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 21 00-0143)		
08 71 21 00-0145 LF 2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	87.97	6.05
08 71 21 00-0146 7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 21 00-0143)		
08 71 21 00-0147 LF 1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	53.18	5.30
08 71 21 00-0148 LF 4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	109.73	7.56
08 71 21 00-0149 Vinyl Transition Thresholds (08 71 21 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 71 21 00-0150 Carpet To Carpet, Vinyl Transition Thresholds (08 71 21 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 71 21 00-0151 LF 2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	27.60	6.05
08 71 21 00-0152 Carpet To Tile, Vinyl Transition Thresholds (08 71 21 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 71 21 00-0153 LF 2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	27.60	6.05
08 71 21 00-0154 Carpet To Concrete, Vinyl Transition Thresholds (08 71 21 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 71 21 00-0155 LF 3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	31.38	7.56
08 71 21 00-0156 Carpet To VCT Tile, Vinyl Transition Thresholds (08 71 21 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 71 21 00-0157 LF 3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	31.38	7.56
08 71 21 00-0158 Residential Thresholds (08 71 21 00-0001)		
08 71 21 00-0159 Wood Residential Thresholds (08 71 21 00-0158)		
08 71 21 00-0160 LF 1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	11.65	3.78
08 71 21 00-0161 LF 1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	12.09	3.78



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0162	LF		3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	16.44	4.03
08 71 21 00-0163	LF		3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	16.41	4.18
08 71 21 00-0164	LF		5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	25.34	4.30
08 71 21 00-0165			Vinyl Top, Wood Residential Thresholds (08 71 21 00-0158)		
08 71 21 00-0166	LF		1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	13.93	3.78
08 71 21 00-0167	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	16.89	4.18
08 71 21 00-0168	LF		3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	29.26	4.18
08 71 21 00-0169			Vinyl Top, Aluminum Residential Thresholds (08 71 21 00-0158)		
08 71 21 00-0170	LF		1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	12.75	3.78
			<i>For Color Anodized Finish, Add</i>	1.32	
08 71 21 00-0171	LF		3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	16.37	4.18
			<i>For Color Anodized Finish, Add</i>	2.38	
08 71 21 00-0172	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	17.17	4.18
			<i>For Color Anodized Finish, Add</i>	2.70	
08 71 21 00-0173			Interlocking Residential Thresholds (08 71 21 00-0158)		
08 71 21 00-0174			Aluminum Interlocking Residential Thresholds (08 71 21 00-0173)		
08 71 21 00-0175			1/2" Height, Aluminum Interlocking Residential Thresholds (08 71 21 00-0174)		
08 71 21 00-0176	LF		4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	22.63	4.30
			<i>For Color Anodized Finish, Add</i>	3.57	
08 71 21 00-0177			5/8" Height, Aluminum Interlocking Residential Thresholds (08 71 21 00-0174)		
08 71 21 00-0178	LF		3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	20.37	4.03
			<i>For Color Anodized Finish, Add</i>	3.09	
08 71 21 00-0179	LF		3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	18.89	4.18
			<i>For Color Anodized Finish, Add</i>	4.23	
08 71 21 00-0180	LF		4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	21.44	4.30
			<i>For Color Anodized Finish, Add</i>	3.21	
08 71 21 00-0181			7/8" Height, Aluminum Interlocking Residential Thresholds (08 71 21 00-0174)		
08 71 21 00-0182	LF		4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	23.29	4.30
			<i>For Color Anodized Finish, Add</i>	6.28	
08 71 21 00-0183			Brass/Bronze Interlocking Residential Thresholds (08 71 21 00-0173)		
08 71 21 00-0184			1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 21 00-0183)		
08 71 21 00-0185	LF		4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	112.90	4.30
08 71 21 00-0186			5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 21 00-0183)		
08 71 21 00-0187	LF		3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	87.43	4.18
08 71 21 00-0188			7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 21 00-0183)		
08 71 21 00-0189	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	159.77	4.30
08 71 21 00-0190	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	160.07	4.42
08 71 21 00-0191			Residential Door Sills (08 71 21 00-0001)		
08 71 21 00-0192			Fixed Aluminum Residential Door Sills (08 71 21 00-0191)		
08 71 21 00-0193	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	17.48	4.30
			<i>For Color Anodized Finish, Add</i>	3.37	
08 71 21 00-0194	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	18.70	4.42
			<i>For Color Anodized Finish, Add</i>	3.06	
08 71 21 00-0195			Adjustable Aluminum Top, Aluminum Residential Door Sills (08 71 21 00-0191)		
08 71 21 00-0196	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	24.73	4.30
			<i>For Color Anodized Finish, Add</i>	4.90	
08 71 21 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A).....	25.76	4.42
			<i>For Color Anodized Finish, Add</i>	5.15	
08 71 21 00-0198			Adjustable Wood Top, Aluminum Residential Door Sills (08 71 21 00-0191)		
08 71 21 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	23.64	4.18
			<i>For Color Anodized Finish, Add</i>	4.62	
08 71 21 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	25.46	4.30
			<i>For Color Anodized Finish, Add</i>	3.68	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0201 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	26.54	4.42
For Color Anodized Finish, Add	3.88	
08 71 21 00-0202 Extenders For Aluminum Residential Door Sills (08 71 21 00-0191)		
08 71 21 00-0203 LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	10.60	3.78
For Color Anodized Finish, Add	2.13	
08 71 21 00-0204 LF 2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	11.53	3.78
For Color Anodized Finish, Add	1.99	
08 71 21 00-0205 LF 3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	12.58	3.78
For Color Anodized Finish, Add	1.26	
08 71 21 00-0206 Stone Thresholds (08 71 21 00-0001)		
08 71 21 00-0207 Marble Thresholds (08 71 21 00-0206)		
08 71 21 00-0208 LF 2" Width, 5/8" Height, Plain Marble Threshold	15.06	5.79
08 71 21 00-0209 LF 4" Width, 5/8" Height, Plain Marble Threshold	16.66	5.79
08 71 21 00-0210 LF 6" Width, 5/8" Height, Plain Marble Threshold	18.80	5.79
08 71 21 00-0211 LF 4" Width, 7/8" Height, Plain Marble Threshold	23.62	5.79
08 71 21 00-0212 LF 6" Width, 7/8" Height, Plain Marble Threshold	29.26	5.79
08 71 21 00-0213 Corian Thresholds (08 71 21 00-0206)		
08 71 21 00-0214 LF Up To 5-3/4" Width, Corian Threshold	46.90	6.27
08 71 53 Security Door Hardware (08 71)		
08 71 53 00-0001 Door Exit Alarm Hardware (08 71 53)		
08 71 53 00-0002 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	199.86	28.37
08 71 53 00-0003 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	272.20	28.37
08 71 53 00-0004 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)	230.76	28.37
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	294.74	28.37
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006 EA Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	344.36	37.82
08 71 53 00-0007 EA Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)	61.82	37.82
Note: For use with Detex EAX exit alarms.		
08 71 63 Detention Door Hardware (08 71)		
08 71 63 00-0001 EA Solid Steel Deadlock For Swinging Doors, Five-Lever Tumblers.....	392.83	42.36
Note: Includes keeper.		
08 74 Access Control Hardware (08 70)		
08 74 16 Keypad Access Control Hardware (08 74)		
08 74 16 00-0001 Vindicator Security Alarm System (08 74 16)		
08 74 16 00-0002 EA Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	952.80	171.44
08 74 16 00-0003 EA Detector, Passive Inferred (Security) Vindicator #316-30812-00.....	1,201.95	222.83
08 74 16 00-0004 EA Premise Control Unit (Security) Vindicator #548-32004-01	5,959.23	488.42
08 74 16 00-0005 EA Access Manager (Security Key Pad) Vindicator #548-31894-01	2,796.70	416.22
08 74 16 00-0006 EA ALS Duress Switch (Security) Vindicator #192-30810-00.....	793.16	227.68
08 75 Window Hardware (08 70)		
08 75 00 00-0001 Window Opener Electric, With 1/2 HP Motor (08 75)		
08 75 00 00-0002 EA Gym Window Electronic Opener.....	1,203.07	161.11
08 79 Hardware Accessories (08 70)		
08 79 00 00-0001 Pad Locks (08 79)		
08 79 00 00-0002 EA Combination Padlock	14.28	3.79
08 79 00 00-0003 EA Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	31.51	3.79
08 79 00 00-0004 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	29.17	3.79
08 79 00 00-0005 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	32.07	3.79
08 79 00 00-0006 EA Commercial U-Bar Lock.....	38.76	3.79
08 79 00 00-0007 EA Weather Tough Padlocks Keyed Alike.....	32.65	3.79
08 79 00 00-0008 EA High Security Padlocks	29.56	3.79
08 79 00 00-0009 EA Standard Key, Medium Security Padlock Keyed Alike	15.98	3.79
08 79 00 00-0010 Key Cabinet (08 79)		



Openings	08	08
Hardware	08 70	
Hardware Accessories	08 79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 79 00 00-0011	Key Cabinets <small>(08 79 00 00-0010)</small>		
08 79 00 00-0012	EA Wall Mounted Key Cabinet, Up To 30 Keys.....	272.95	13.61
08 79 00 00-0013	EA Wall Mounted Key Cabinet, Up To 60 Keys.....	367.87	15.12
08 79 00 00-0014	EA Wall Mounted Key Cabinet, Up To 240 Keys.....	823.32	22.68
08 79 00 00-0015	EA Wall Mounted Key Cabinet, Up To 1,200 Keys.....	2,116.37	30.24
08 79 00 00-0016	EA Drawer Type Key Cabinet, Up To 600 Keys.....	2,255.86	20.03
08 79 00 00-0017	EA Drawer Type Key Cabinet, Up To 2,400 Keys.....	5,090.04	15.12
08 79 00 00-0018	EA Tray Type Key Cabinet, Up To 20 Keys.....	114.90	6.05
08 79 00 00-0019	EA Tray Type Key Cabinet, Up To 50 Keys.....	163.60	7.56

08 79 00 00-0020	Key Boxes Wall Mounted On Any Type Wall, With Anchor <small>(08 79 00 00-0010)</small>		
08 79 00 00-0021	EA Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	157.47	11.35
08 79 00 00-0022	EA Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	178.02	11.35
08 79 00 00-0023	EA Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning.....	38.58	
08 79 00 00-0024	EA Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning.....	86.99	

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Factory Installed Glass (08 81)

08 81 23 00-0001 Clear Float Factory Installed Glass (08 81 23)

08 81 23 00-0002 Clear Float Factory Installed Glass (08 81 23 00-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 00-0003	SF 1/8" Thick, Clear Float Factory Installed Glass.....	1.80	
	<i>For >50 To 200, Deduct</i>	-0.05	
	<i>For >200 To 400, Deduct</i>	-0.11	
	<i>For >400, Deduct</i>	-0.16	
	<i>For Tinted Glass, Add</i>	0.45	
	<i>For Reflective Coated Glass, Add</i>	0.81	
	<i>For Low-E Coated Glass, Add</i>	0.45	
08 81 23 00-0004	SF 3/16" Thick, Clear Float Factory Installed Glass.....	1.93	
	<i>For >50 To 200, Deduct</i>	-0.06	
	<i>For >200 To 400, Deduct</i>	-0.12	
	<i>For >400, Deduct</i>	-0.17	
	<i>For Tinted Glass, Add</i>	0.48	
	<i>For Reflective Coated Glass, Add</i>	0.87	
	<i>For Low-E Coated Glass, Add</i>	0.48	
08 81 23 00-0005	SF 1/4" Thick, Clear Float Factory Installed Glass.....	2.34	
	<i>For >50 To 200, Deduct</i>	-0.07	
	<i>For >200 To 400, Deduct</i>	-0.14	
	<i>For >400, Deduct</i>	-0.21	
	<i>For Tinted Glass, Add</i>	0.59	
	<i>For Reflective Coated Glass, Add</i>	1.05	
	<i>For Low-E Coated Glass, Add</i>	0.59	
08 81 23 00-0006	SF 5/16" Thick, Clear Float Factory Installed Glass.....	3.89	
	<i>For >50 To 200, Deduct</i>	-0.12	
	<i>For >200 To 400, Deduct</i>	-0.23	
	<i>For >400, Deduct</i>	-0.35	
	<i>For Tinted Glass, Add</i>	0.97	
	<i>For Reflective Coated Glass, Add</i>	1.75	
	<i>For Low-E Coated Glass, Add</i>	0.97	
08 81 23 00-0007	SF 3/8" Thick, Clear Float Factory Installed Glass.....	5.66	
	<i>For >50 To 200, Deduct</i>	-0.17	
	<i>For >200 To 400, Deduct</i>	-0.34	
	<i>For >400, Deduct</i>	-0.51	
	<i>For Tinted Glass, Add</i>	1.42	
	<i>For Reflective Coated Glass, Add</i>	2.55	
	<i>For Low-E Coated Glass, Add</i>	1.42	
08 81 23 00-0008	SF 1/2" Thick, Clear Float Factory Installed Glass.....	6.22	
	<i>For >50 To 200, Deduct</i>	-0.19	
	<i>For >200 To 400, Deduct</i>	-0.37	
	<i>For >400, Deduct</i>	-0.56	
	<i>For Tinted Glass, Add</i>	1.56	
	<i>For Reflective Coated Glass, Add</i>	2.80	
	<i>For Low-E Coated Glass, Add</i>	1.56	
08 81 23 00-0009	SF 5/8" Thick, Clear Float Factory Installed Glass.....	7.44	
	<i>For >50 To 200, Deduct</i>	-0.22	
	<i>For >200 To 400, Deduct</i>	-0.45	
	<i>For >400, Deduct</i>	-0.67	
	<i>For Tinted Glass, Add</i>	1.86	
	<i>For Reflective Coated Glass, Add</i>	3.35	
	<i>For Low-E Coated Glass, Add</i>	1.86	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 00-0010	SF		3/4" Thick, Clear Float Factory Installed Glass	9.19	
			<i>For >50 To 200, Deduct</i>	-0.28	
			<i>For >200 To 400, Deduct</i>	-0.55	
			<i>For >400, Deduct</i>	-0.83	
			<i>For Tinted Glass, Add</i>	2.30	
			<i>For Reflective Coated Glass, Add</i>	4.14	
			<i>For Low-E Coated Glass, Add</i>	2.30	
08 81 23 00-0011			Heat Treated Factory Installed Glass <small>(08 81 23)</small>		
08 81 23 00-0012			Tempered, Clear Float Factory Installed Glass <small>(08 81 23 00-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 00-0013	SF		1/8" Thick, Tempered, Clear Float Factory Installed Glass	2.61	
			<i>For >50 To 200, Deduct</i>	-0.08	
			<i>For >200 To 400, Deduct</i>	-0.16	
			<i>For >400, Deduct</i>	-0.23	
			<i>For Tinted Glass, Add</i>	0.65	
			<i>For Reflective Coated Glass, Add</i>	1.17	
			<i>For Low-E Coated Glass, Add</i>	0.65	
08 81 23 00-0014	SF		3/16" Thick, Tempered, Clear Float Factory Installed Glass	2.79	
			<i>For >50 To 200, Deduct</i>	-0.08	
			<i>For >200 To 400, Deduct</i>	-0.17	
			<i>For >400, Deduct</i>	-0.25	
			<i>For Tinted Glass, Add</i>	0.70	
			<i>For Reflective Coated Glass, Add</i>	1.26	
			<i>For Low-E Coated Glass, Add</i>	0.70	
08 81 23 00-0015	SF		1/4" Thick, Tempered, Clear Float Factory Installed Glass	3.39	
			<i>For >50 To 200, Deduct</i>	-0.10	
			<i>For >200 To 400, Deduct</i>	-0.20	
			<i>For >400, Deduct</i>	-0.31	
			<i>For Tinted Glass, Add</i>	0.85	
			<i>For Reflective Coated Glass, Add</i>	1.53	
			<i>For Low-E Coated Glass, Add</i>	0.85	
08 81 23 00-0016	SF		5/16" Thick, Tempered, Clear Float Factory Installed Glass	5.65	
			<i>For >50 To 200, Deduct</i>	-0.17	
			<i>For >200 To 400, Deduct</i>	-0.34	
			<i>For >400, Deduct</i>	-0.51	
			<i>For Tinted Glass, Add</i>	1.41	
			<i>For Reflective Coated Glass, Add</i>	2.54	
			<i>For Low-E Coated Glass, Add</i>	1.41	
08 81 23 00-0017	SF		3/8" Thick, Tempered, Clear Float Factory Installed Glass	8.21	
			<i>For >50 To 200, Deduct</i>	-0.25	
			<i>For >200 To 400, Deduct</i>	-0.49	
			<i>For >400, Deduct</i>	-0.74	
			<i>For Tinted Glass, Add</i>	2.05	
			<i>For Reflective Coated Glass, Add</i>	3.69	
			<i>For Low-E Coated Glass, Add</i>	2.05	
08 81 23 00-0018	SF		1/2" Thick, Tempered, Clear Float Factory Installed Glass	9.02	
			<i>For >50 To 200, Deduct</i>	-0.27	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400, Deduct</i>	-0.81	
			<i>For Tinted Glass, Add</i>	2.26	
			<i>For Reflective Coated Glass, Add</i>	4.06	
			<i>For Low-E Coated Glass, Add</i>	2.26	
08 81 23 00-0019	SF		5/8" Thick, Tempered, Clear Float Factory Installed Glass	10.79	
			<i>For >50 To 200, Deduct</i>	-0.32	
			<i>For >200 To 400, Deduct</i>	-0.65	
			<i>For >400, Deduct</i>	-0.97	
			<i>For Tinted Glass, Add</i>	2.70	
			<i>For Reflective Coated Glass, Add</i>	4.86	
			<i>For Low-E Coated Glass, Add</i>	2.70	
08 81 23 00-0020	SF		3/4" Thick, Tempered, Clear Float Factory Installed Glass	13.33	
			<i>For >50 To 200, Deduct</i>	-0.40	
			<i>For >200 To 400, Deduct</i>	-0.80	
			<i>For >400, Deduct</i>	-1.20	
			<i>For Tinted Glass, Add</i>	3.33	
			<i>For Reflective Coated Glass, Add</i>	6.00	
			<i>For Low-E Coated Glass, Add</i>	3.33	
08 81 23 00-0021			Patterned Factory Installed Glass <small>(08 81 23)</small>		
08 81 23 00-0022			Rough Obscure, Factory Installed Glass <small>(08 81 23 00-0021)</small>		
			Note: Class II, Form 3, Finish F1.		
08 81 23 00-0023	SF		1/4" Thick, Rough Obscure, Factory Installed Glass	5.12	
08 81 23 00-0024			Patterned, Figured Factory Installed Glass <small>(08 81 23 00-0021)</small>		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 00-0025	SF		1/8" Thick, Patterned, Figured Factory Installed Glass	3.11	
08 81 23 00-0026	SF		7/32" Thick, Patterned, Figured Factory Installed Glass	3.11	
08 81 23 00-0027			Wired Factory Installed Glass <small>(08 81 23)</small>		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 00-0028 Square Or Diamond Pattern, Wired Factory Installed Glass <small>(08 81 23 00-0027)</small> Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 00-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass	8.05	
08 81 23 00-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	8.05	
08 81 23 00-0031 Polished, Wired Factory Installed Glass <small>(08 81 23 00-0027)</small>		
08 81 23 00-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass.....	8.80	
08 81 23 00-0033 Frosted Factory Installed Glass <small>(08 81 23)</small>		
08 81 23 00-0034 Frosted Factory Installed Glass <small>(08 81 23 00-0033)</small>		
08 81 23 00-0035 SF 1/8" Thick, Frosted Factory Installed Glass	4.07	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.24	
For >400, Deduct	-0.37	
08 81 23 00-0036 SF 3/16" Thick, Frosted Factory Installed Glass	5.34	
For >50 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.32	
For >400, Deduct	-0.48	
08 81 23 00-0037 SF 1/4" Thick, Frosted Factory Installed Glass	6.75	
For >50 To 200, Deduct	-0.20	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.61	
08 81 23 00-0038 SF 3/8" Thick, Frosted Factory Installed Glass	10.09	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.61	
For >400, Deduct	-0.91	
08 81 23 00-0039 Fire Rated Factory Installed Glass <small>(08 81 23)</small>		
08 81 23 00-0040 Fire Rated Factory Installed Glass <small>(08 81 23 00-0039)</small>		
08 81 23 00-0041 SF 20 Minute, Fire Rated Factory Installed Glass.....	11.05	
08 81 23 00-0042 SF 45 Minute, Fire Rated Factory Installed Glass.....	22.00	
08 81 23 00-0043 SF 60 Minute, Fire Rated Factory Installed Glass.....	34.00	
08 81 23 00-0044 SF 90 Minute, Fire Rated Factory Installed Glass.....	45.00	
08 81 23 00-0045 Laminated Factory Installed Glass <small>(08 81 23)</small>		
08 81 23 00-0046 Laminated Glass With PVB Interlayer, Factory Installed Glass <small>(08 81 23 00-0045)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 00-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	7.17	
For >50 To 200, Deduct	-0.22	
For >200 To 400, Deduct	-0.43	
For >400, Deduct	-0.65	
For Tinted Glass, Add	1.79	
For Reflective Coated Glass, Add	3.23	
For Low-E Coated Glass, Add	1.79	
For One Piece Heat Strengthened Glass, Add	1.43	
For One Piece Fully Tempered Glass, Add	1.43	
08 81 23 00-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	8.95	
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.54	
For >400, Deduct	-0.81	
For Tinted Glass, Add	2.24	
For Reflective Coated Glass, Add	4.03	
For Low-E Coated Glass, Add	2.24	
For One Piece Heat Strengthened Glass, Add	1.79	
For One Piece Fully Tempered Glass, Add	1.79	
08 81 23 00-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	12.16	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.73	
For >400, Deduct	-1.09	
For Tinted Glass, Add	3.04	
For Reflective Coated Glass, Add	5.47	
For Low-E Coated Glass, Add	3.04	
For One Piece Heat Strengthened Glass, Add	2.43	
For One Piece Fully Tempered Glass, Add	2.43	
08 81 23 00-0050 Insulated Factory Installed Glass <small>(08 81 23)</small>		
08 81 23 00-0051 Insulated, Factory Installed Glass <small>(08 81 23 00-0050)</small> Note: Type I, Class I, Quality Q3.		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 00-0052	SF 1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	5.19	
	For >50 To 200, Deduct	-0.16	
	For >200 To 400, Deduct	-0.31	
	For >400, Deduct	-0.47	
	For Tinted Glass, Add	1.30	
	For Reflective Coated Glass, Add	2.34	
	For Low-E Coated Glass, Add	1.30	
	For One Piece Heat Strengthened Glass, Add	1.04	
	For One Piece Fully Tempered Glass, Add	1.04	
	For One Piece Obscure Glass, Add	2.21	
	For Argon Gas, Add	1.43	
08 81 23 00-0053	SF 5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	5.25	
	For >50 To 200, Deduct	-0.16	
	For >200 To 400, Deduct	-0.32	
	For >400, Deduct	-0.47	
	For Tinted Glass, Add	1.31	
	For Reflective Coated Glass, Add	2.36	
	For Low-E Coated Glass, Add	1.31	
	For One Piece Heat Strengthened Glass, Add	1.05	
	For One Piece Fully Tempered Glass, Add	1.05	
	For One Piece Obscure Glass, Add	2.23	
	For Argon Gas, Add	1.44	
08 81 23 00-0054	SF 3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	5.50	
	For >50 To 200, Deduct	-0.17	
	For >200 To 400, Deduct	-0.33	
	For >400, Deduct	-0.50	
	For Tinted Glass, Add	1.38	
	For Reflective Coated Glass, Add	2.48	
	For Low-E Coated Glass, Add	1.38	
	For One Piece Heat Strengthened Glass, Add	1.10	
	For One Piece Fully Tempered Glass, Add	1.10	
	For One Piece Obscure Glass, Add	2.34	
	For Argon Gas, Add	1.51	
08 81 23 00-0055	SF 1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	6.67	
	For >50 To 200, Deduct	-0.20	
	For >200 To 400, Deduct	-0.40	
	For >400, Deduct	-0.60	
	For Tinted Glass, Add	1.67	
	For Reflective Coated Glass, Add	3.00	
	For Low-E Coated Glass, Add	1.67	
	For One Piece Heat Strengthened Glass, Add	1.33	
	For One Piece Fully Tempered Glass, Add	1.33	
	For One Piece Obscure Glass, Add	2.83	
	For Argon Gas, Add	1.83	
08 81 26	Field Installed Glass <small>(08 81)</small>		
08 81 26 00-0001	Heat Treated Field Installed Glass <small>(08 81 26)</small>		
08 81 26 00-0002	Tempered, Clear Float Field Installed Glass <small>(08 81 26 00-0001)</small> Note: Type I, Class I, Quality Q3.		
08 81 26 00-0003	SF 1/8" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	12.84 -0.08 -0.16 -0.23 10.23 0.65 1.17 0.65	
08 81 26 00-0004	SF 3/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	13.80 -0.08 -0.17 -0.25 11.01 0.70 1.26 0.70	
08 81 26 00-0005	SF 1/4" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	15.18 -0.10 -0.20 -0.31 11.79 0.85 1.53 0.85	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0006 SF 5/16" Thick, Tempered, Clear Float Field Installed Glass.....	19.01	
For >50 To 200, Deduct	-0.17	
For >200 To 400, Deduct	-0.34	
For >400, Deduct	-0.51	
For Glass Removal And Preparing Opening For New Glazing, Add	13.36	
For Tinted Glass, Add	1.41	
For Reflective Coated Glass, Add	2.54	
For Low-E Coated Glass, Add	1.41	
08 81 26 00-0007 SF 3/8" Thick, Tempered, Clear Float Field Installed Glass.....	23.15	
For >50 To 200, Deduct	-0.25	
For >200 To 400, Deduct	-0.49	
For >400, Deduct	-0.74	
For Glass Removal And Preparing Opening For New Glazing, Add	14.94	
For Tinted Glass, Add	2.05	
For Reflective Coated Glass, Add	3.69	
For Low-E Coated Glass, Add	2.05	
08 81 26 00-0008 SF 1/2" Thick, Tempered, Clear Float Field Installed Glass.....	25.53	
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.54	
For >400, Deduct	-0.81	
For Glass Removal And Preparing Opening For New Glazing, Add	16.51	
For Tinted Glass, Add	2.26	
For Reflective Coated Glass, Add	4.06	
For Low-E Coated Glass, Add	2.26	
08 81 26 00-0009 SF 5/8" Thick, Tempered, Clear Float Field Installed Glass.....	31.23	
For >50 To 200, Deduct	-0.32	
For >200 To 400, Deduct	-0.65	
For >400, Deduct	-0.97	
For Glass Removal And Preparing Opening For New Glazing, Add	20.44	
For Tinted Glass, Add	2.70	
For Reflective Coated Glass, Add	4.86	
For Low-E Coated Glass, Add	2.70	
08 81 26 00-0010 SF 3/4" Thick, Tempered, Clear Float Field Installed Glass.....	37.70	
For >50 To 200, Deduct	-0.40	
For >200 To 400, Deduct	-0.80	
For >400, Deduct	-1.20	
For Glass Removal And Preparing Opening For New Glazing, Add	24.37	
For Tinted Glass, Add	3.33	
For Reflective Coated Glass, Add	6.00	
For Low-E Coated Glass, Add	3.33	
08 81 26 00-0011 Clear Float Field Installed Glass (08 81 26)		
08 81 26 00-0012 Clear Float Field Installed Glass (08 81 26 00-0011)		
Note: Type I, Class I, Quality Q3.		
08 81 26 00-0013 SF 1/8" Thick, Clear Float Field Installed Glass.....	12.03	
For >50 To 200, Deduct	-0.05	
For >200 To 400, Deduct	-0.11	
For >400, Deduct	-0.16	
For Glass Removal And Preparing Opening For New Glazing, Add	10.23	
For Tinted Glass, Add	0.45	
For Reflective Coated Glass, Add	0.81	
For Low-E Coated Glass, Add	0.45	
08 81 26 00-0014 SF 3/16" Thick, Clear Float Field Installed Glass.....	12.94	
For >50 To 200, Deduct	-0.06	
For >200 To 400, Deduct	-0.12	
For >400, Deduct	-0.17	
For Glass Removal And Preparing Opening For New Glazing, Add	11.01	
For Tinted Glass, Add	0.48	
For Reflective Coated Glass, Add	0.87	
For Low-E Coated Glass, Add	0.48	
08 81 26 00-0015 SF 1/4" Thick, Clear Float Field Installed Glass.....	14.13	
For >50 To 200, Deduct	-0.07	
For >200 To 400, Deduct	-0.14	
For >400, Deduct	-0.21	
For Glass Removal And Preparing Opening For New Glazing, Add	11.79	
For Tinted Glass, Add	0.59	
For Reflective Coated Glass, Add	1.05	
For Low-E Coated Glass, Add	0.59	
08 81 26 00-0016 SF 5/16" Thick, Clear Float Field Installed Glass.....	17.25	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.23	
For >400, Deduct	-0.35	
For Glass Removal And Preparing Opening For New Glazing, Add	13.36	
For Tinted Glass, Add	0.97	
For Reflective Coated Glass, Add	1.75	
For Low-E Coated Glass, Add	0.97	
08 81 26 00-0017 SF 3/8" Thick, Clear Float Field Installed Glass.....	20.60	
For >50 To 200, Deduct	-0.17	
For >200 To 400, Deduct	-0.34	
For >400, Deduct	-0.51	
For Glass Removal And Preparing Opening For New Glazing, Add	14.94	
For Tinted Glass, Add	1.42	
For Reflective Coated Glass, Add	2.55	
For Low-E Coated Glass, Add	1.42	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0018	SF		1/2" Thick, Clear Float Field Installed Glass	22.73	
			<i>For >50 To 200, Deduct</i>	-0.19	
			<i>For >200 To 400, Deduct</i>	-0.37	
			<i>For >400, Deduct</i>	-0.56	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.51	
			<i>For Tinted Glass, Add</i>	1.56	
			<i>For Reflective Coated Glass, Add</i>	2.80	
			<i>For Low-E Coated Glass, Add</i>	1.56	
08 81 26 00-0019	SF		5/8" Thick, Clear Float Field Installed Glass	27.88	
			<i>For >50 To 200, Deduct</i>	-0.22	
			<i>For >200 To 400, Deduct</i>	-0.45	
			<i>For >400, Deduct</i>	-0.67	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.44	
			<i>For Tinted Glass, Add</i>	1.86	
			<i>For Reflective Coated Glass, Add</i>	3.35	
			<i>For Low-E Coated Glass, Add</i>	1.86	
08 81 26 00-0020	SF		3/4" Thick, Clear Float Field Installed Glass	33.56	
			<i>For >50 To 200, Deduct</i>	-0.28	
			<i>For >200 To 400, Deduct</i>	-0.55	
			<i>For >400, Deduct</i>	-0.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.37	
			<i>For Tinted Glass, Add</i>	2.30	
			<i>For Reflective Coated Glass, Add</i>	4.14	
			<i>For Low-E Coated Glass, Add</i>	2.30	
08 81 26 00-0021			Patterned Field Installed Glass <small>(08 81 26)</small>		
08 81 26 00-0022			Rough Obscure Field Installed Glass <small>(08 81 26 00-0021)</small>		
			Note: Class II, Form 3, Finish F1.		
08 81 26 00-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass	16.91	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.79	
08 81 26 00-0024			Patterned, Figured Field Installed Glass <small>(08 81 26 00-0021)</small>		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 26 00-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass	13.34	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.23	
08 81 26 00-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass	14.51	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.40	
08 81 26 00-0027			Wired Field Installed Glass <small>(08 81 26)</small>		
08 81 26 00-0028			Square Or Diamond Pattern, Wired Field Installed Glass <small>(08 81 26 00-0027)</small>		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 26 00-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass	19.84	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.79	
08 81 26 00-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass	19.84	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.79	
08 81 26 00-0031			Polished, Wired Field Installed Glass <small>(08 81 26 00-0027)</small>		
08 81 26 00-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass	20.59	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.79	
08 81 26 00-0033			Frosted Field Installed Glass <small>(08 81 26)</small>		
08 81 26 00-0034			Frosted Field Installed Glass <small>(08 81 26 00-0033)</small>		
08 81 26 00-0035	SF		1/8" Thick, Frosted Field Installed Glass	14.30	
			<i>For >50 To 200, Deduct</i>	-0.12	
			<i>For >200 To 400, Deduct</i>	-0.24	
			<i>For >400, Deduct</i>	-0.37	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.23	
08 81 26 00-0036	SF		3/16" Thick, Frosted Field Installed Glass	16.35	
			<i>For >50 To 200, Deduct</i>	-0.16	
			<i>For >200 To 400, Deduct</i>	-0.32	
			<i>For >400, Deduct</i>	-0.48	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.01	
08 81 26 00-0037	SF		1/4" Thick, Frosted Field Installed Glass	18.54	
			<i>For >50 To 200, Deduct</i>	-0.20	
			<i>For >200 To 400, Deduct</i>	-0.41	
			<i>For >400, Deduct</i>	-0.61	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.79	
08 81 26 00-0038	SF		3/8" Thick, Frosted Field Installed Glass	25.03	
			<i>For >50 To 200, Deduct</i>	-0.30	
			<i>For >200 To 400, Deduct</i>	-0.61	
			<i>For >400, Deduct</i>	-0.91	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.94	
08 81 26 00-0039			Fire Rated Field Installed Glass <small>(08 81 26)</small>		
08 81 26 00-0040			Fire Rated Field Installed Glass <small>(08 81 26 00-0039)</small>		



Openings	08	
Glazing	08 80	08
Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0041	SF		20 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.84 11.79	
08 81 26 00-0042	SF		45 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	33.79 11.79	
08 81 26 00-0043	SF		60 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	45.79 11.79	
08 81 26 00-0044	SF		90 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	56.79 11.79	
08 81 26 00-0045			Laminated Field Installed Glass (08 81 26)		
08 81 26 00-0046			Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 26 00-0045) Note: Type I, Class I, Quality Q3.		
08 81 26 00-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i>	18.96 -0.22 -0.43 -0.65 11.79 1.79 3.23 1.79 1.43 1.43	
08 81 26 00-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i>	23.89 -0.27 -0.54 -0.81 14.94 2.24 4.03 2.24 1.79 1.79	
08 81 26 00-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i>	28.67 -0.36 -0.73 -1.09 16.51 3.04 5.47 3.04 2.43 2.43	
08 81 26 00-0050			Insulated Field Installed Glass (08 81 26)		
08 81 26 00-0051			Insulated Glass, Field Installed Glass (08 81 26 00-0050) Note: Type I, Class I, Quality Q3.		
08 81 26 00-0052	SF		1/2" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/4" air space. <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i> <i>For One Piece Obscure Glass, Add</i> <i>For Argon Gas, Add</i>	18.94 -0.16 -0.31 -0.47 13.75 1.30 2.34 1.30 1.04 1.04 2.21 1.43	
08 81 26 00-0053	SF		5/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/4" air space. <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i> <i>For One Piece Obscure Glass, Add</i> <i>For Argon Gas, Add</i>	19.93 -0.16 -0.32 -0.47 14.68 1.31 2.36 1.31 1.05 1.05 2.23 1.44	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0054	SF		3/4" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/4" air space.	21.52	
			For >50 To 200, Deduct	-0.17	
			For >200 To 400, Deduct	-0.33	
			For >400, Deduct	-0.50	
			For Glass Removal And Preparing Opening For New Glazing, Add	16.02	
			For Tinted Glass, Add	1.38	
			For Reflective Coated Glass, Add	2.48	
			For Low-E Coated Glass, Add	1.38	
			For One Piece Heat Strengthened Glass, Add	1.10	
			For One Piece Fully Tempered Glass, Add	1.10	
			For One Piece Obscure Glass, Add	2.34	
			For Argon Gas, Add	1.51	
08 81 26 00-0055	SF		1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	23.18	
			For >50 To 200, Deduct	-0.20	
			For >200 To 400, Deduct	-0.40	
			For >400, Deduct	-0.60	
			For Glass Removal And Preparing Opening For New Glazing, Add	16.51	
			For Tinted Glass, Add	1.67	
			For Reflective Coated Glass, Add	3.00	
			For Low-E Coated Glass, Add	1.67	
			For One Piece Heat Strengthened Glass, Add	1.33	
			For One Piece Fully Tempered Glass, Add	1.33	
			For One Piece Obscure Glass, Add	2.83	
			For Argon Gas, Add	1.83	
08 81 26 00-0056			Spandrel Field Installed Glass (08 81 26)		
08 81 26 00-0057			Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 26 00-0056)		
08 81 26 00-0058	SF		1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	18.90 13.10	
08 81 26 00-0059	SF		1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	17.66 13.10	
08 81 26 00-0060			Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 26 00-0056)		
08 81 26 00-0061			1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 26 00-0060) Note: Also with aluminum foil vapor barrier.		
08 81 26 00-0062	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	20.20 13.10	
08 81 26 00-0063	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	18.79 13.10	
08 81 26 00-0064			1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 26 00-0060)		
08 81 26 00-0065	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	22.65 13.10	
08 81 26 00-0066	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	19.88 13.10	
08 83			Mirrors (08 80) Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 00 00-0001			Mirror Glass (08 83)		
08 83 00 00-0002			One-Way Vision Glass (Transparent Mirrors) (08 83 00 00-0001)		
08 83 00 00-0003	SF		1/4" One-Way Vision Glass (Transparent Mirrors) For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	27.85 -0.49 -0.81 -1.30	5.89
08 83 00 00-0004			Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 00 00-0001)		
08 83 00 00-0005	SF		1/4" Tempered, One-Way Vision Glass (Transparent Mirrors) For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	35.29 -0.71 -1.18 -1.89	5.89
08 83 00 00-0006			Clear Mirror Glass (08 83 00 00-0001)		
08 83 00 00-0007	SF		1/8" Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	13.03 -0.11 -0.18 -0.29	4.72
08 83 00 00-0008	SF		3/16" Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	15.20 -0.13 -0.22 -0.35	5.50



Openings	08	08
Glazing	08 80	
Mirrors	08 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 00 00-0009 SF 1/4" Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	16.51 -0.15 -0.24 -0.39	5.89
08 83 00 00-0010 Tempered, Clear Mirror Glass (08 83 00 00-0001)		
08 83 00 00-0011 SF 1/8" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	17.15 -0.23 -0.39 -0.62	4.72
08 83 00 00-0012 SF 3/16" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	19.56 -0.26 -0.44 -0.70	5.50
08 83 00 00-0013 SF 1/4" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	21.37 -0.29 -0.49 -0.78	5.89
08 83 00 00-0014 Clear Mirror Glass With Laminated Safety Backing (08 83 00 00-0001)		
08 83 00 00-0015 SF 1/4" Clear Mirror Glass With Laminated Safety Backing <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	23.41 -0.35 -0.59 -0.94	5.89
08 83 00 00-0016 Laminated Safety Mirror Glass (08 83 00 00-0001) Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 00 00-0017 SF 1/4" Laminated Safety Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	41.73 -0.90 -1.50 -2.41	5.89
08 83 00 00-0018 Accessories For Mirror Glass (08 83)		
08 83 00 00-0019 LF 1/8" Aluminum J-Channel For Mounting Mirror Glass.....	3.31	
08 83 00 00-0020 LF 3/16" Aluminum J-Channel For Mounting Mirror Glass.....	3.36	
08 83 00 00-0021 LF 1/4" Aluminum J-Channel For Mounting Mirror Glass.....	4.01	
08 83 00 00-0022 LF Aluminum Frame For Mounting Mirror Glass.....	4.92	
08 84 Plastic Glazing (08 80)		
08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84) See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.		
08 84 00 00-0002 SF 1/8" Clear Polycarbonate Glazing (GE Lexan) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Mar Resistant Coating (One Or Two Sides), Add</i>	11.54 -0.21 -0.41 -0.62 7.42 4.12	
08 84 00 00-0003 SF 3/16" Clear Polycarbonate Glazing (GE Lexan) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Mar Resistant Coating (One Or Two Sides), Add</i>	13.76 -0.30 -0.61 -0.91 7.71 6.05	
08 84 00 00-0004 SF 1/4" Clear Polycarbonate Glazing (GE Lexan) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Mar Resistant Coating (One Or Two Sides), Add</i>	15.13 -0.36 -0.71 -1.07 8.01 7.12	
08 84 00 00-0005 SF 3/8" Clear Polycarbonate Glazing (GE Lexan) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Mar Resistant Coating (One Or Two Sides), Add</i>	21.44 -0.66 -1.32 -1.98 8.24 13.20	
08 84 00 00-0006 SF 1/2" Clear Polycarbonate Glazing (GE Lexan) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Mar Resistant Coating (One Or Two Sides), Add</i>	26.71 -0.89 -1.79 -2.68 8.84 17.87	
08 84 00 00-0007 Clear Acrylic Glazing (Plexiglas) (08 84)		

08 Openings**08 80 Glazing****08 84 Plastic Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0008	SF		1/10" Clear Acrylic Glazing (Plexiglas).....	9.62	
			For >50 To 200, Deduct	-0.13	
			For >200 To 400, Deduct	-0.25	
			For >400, Deduct	-0.38	
			For Glass Removal And Preparing Opening For New Glazing, Add	7.08	
			For Colored, Add	0.51	
			For Shatterproof, Add	1.52	
			For Mirrored, Add	2.03	
08 84 00 00-0009	SF		1/8" Clear Acrylic Glazing (Plexiglas).....	10.50	
			For >50 To 200, Deduct	-0.15	
			For >200 To 400, Deduct	-0.31	
			For >400, Deduct	-0.46	
			For Glass Removal And Preparing Opening For New Glazing, Add	7.42	
			For Colored, Add	0.62	
			For Shatterproof, Add	1.85	
			For Mirrored, Add	2.46	
08 84 00 00-0010	SF		3/16" Clear Acrylic Glazing (Plexiglas).....	12.25	
			For >50 To 200, Deduct	-0.23	
			For >200 To 400, Deduct	-0.45	
			For >400, Deduct	-0.68	
			For Glass Removal And Preparing Opening For New Glazing, Add	7.71	
			For Colored, Add	0.91	
			For Shatterproof, Add	2.72	
			For Mirrored, Add	3.63	
08 84 00 00-0011	SF		1/4" Clear Acrylic Glazing (Plexiglas).....	13.37	
			For >50 To 200, Deduct	-0.27	
			For >200 To 400, Deduct	-0.54	
			For >400, Deduct	-0.80	
			For Glass Removal And Preparing Opening For New Glazing, Add	8.01	
			For Colored, Add	1.07	
			For Shatterproof, Add	3.22	
			For Mirrored, Add	4.29	
08 84 00 00-0012	SF		5/16" Clear Acrylic Glazing (Plexiglas).....	14.87	
			For >50 To 200, Deduct	-0.34	
			For >200 To 400, Deduct	-0.68	
			For >400, Deduct	-1.02	
			For Glass Removal And Preparing Opening For New Glazing, Add	8.06	
			For Colored, Add	1.36	
			For Shatterproof, Add	4.09	
			For Mirrored, Add	5.45	
08 84 00 00-0013	SF		3/8" Clear Acrylic Glazing (Plexiglas).....	16.49	
			For >50 To 200, Deduct	-0.41	
			For >200 To 400, Deduct	-0.83	
			For >400, Deduct	-1.24	
			For Glass Removal And Preparing Opening For New Glazing, Add	8.24	
			For Colored, Add	1.65	
			For Shatterproof, Add	4.95	
			For Mirrored, Add	6.60	
08 84 00 00-0014	SF		1/2" Clear Acrylic Glazing (Plexiglas).....	19.43	
			For >50 To 200, Deduct	-0.53	
			For >200 To 400, Deduct	-1.06	
			For >400, Deduct	-1.59	
			For Glass Removal And Preparing Opening For New Glazing, Add	8.84	
			For Colored, Add	2.12	
			For Shatterproof, Add	6.35	
			For Mirrored, Add	8.47	
08 84 00 00-0015	SF		3/4" Clear Acrylic Glazing (Plexiglas).....	29.75	
			For >50 To 200, Deduct	-0.93	
			For >200 To 400, Deduct	-1.86	
			For >400, Deduct	-2.78	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.19	
08 84 00 00-0016	SF		1" Clear Acrylic Glazing (Plexiglas).....	36.50	
			For >50 To 200, Deduct	-1.22	
			For >200 To 400, Deduct	-2.43	
			For >400, Deduct	-3.65	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.16	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installations include the gasket.

08 85 00 00-0001 Neoprene Glazing Gaskets, Tongued Section Or Tongued Mullion (08 85)

Note: For glass sizes listed.

08 85 00 00-0002	LF		Neoprene Glazing Gasket, 1/4" Glass Tongued Section / Tongued Mullion.....	6.74	1.57
08 85 00 00-0003	LF		Neoprene Glazing Gasket, 3/8" Glass Tongued Section / Tongued Mullion.....	6.99	1.57
08 85 00 00-0004	LF		Neoprene Glazing Gasket, 1/2" Glass Tongued Section / Tongued Mullion.....	7.12	1.57
08 85 00 00-0005	LF		Neoprene Glazing Gasket, 3/4" Glass Tongued Section / Tongued Mullion.....	7.39	1.57
08 85 00 00-0006	LF		Neoprene Glazing Gasket, 1" Glass Tongued Section / Tongued Mullion.....	7.69	1.57

08 85 00 00-0007 Mullion Section, For Glass Sizes Listed (08 85)

08 85 00 00-0008	LF		Mullion Section For 1/4" Glass.....	3.38	0.78
08 85 00 00-0009	LF		Mullion Section For 3/8" Glass.....	4.10	0.78
08 85 00 00-0010	LF		Mullion Section For 1/2" Glass.....	4.69	0.78
08 85 00 00-0011	LF		Mullion Section For 3/4" Glass.....	5.85	0.78



Openings	08	08
Glazing	08 80	
Glazing Accessories	08 85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 85 00 00-0012	LF Mullion Section For 1" Glass.....	6.75	0.78
08 85 00 00-0013	EA Mullion Section Molded Corners.....	140.34	25.94

08 87 Glazing Surface Films (08 80)

08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film (08 87 13)
 Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF Tinted, Solar Control Window Film	5.08
08 87 13 00-0003	SF Obscurant, Solar Control Window Film.....	5.08
08 87 13 00-0004	SF Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	6.61
08 87 13 00-0005	SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	6.91

08 87 23 Safety And Security Films (08 87)

08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)
 Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003	SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150).....	10.85
	<i>For >1,000 To 5,000, Deduct</i>	-0.50
	<i>For >5,000, Deduct</i>	-0.67
08 87 23 16-0004	SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400).....	11.42
	<i>For >1,000 To 5,000, Deduct</i>	-0.52
	<i>For >5,000, Deduct</i>	-0.73
08 87 23 16-0005	SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	12.22
	<i>For >1,000 To 5,000, Deduct</i>	-0.55
	<i>For >5,000, Deduct</i>	-0.81

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0007	SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400).....	12.06
	<i>For >1,000 To 5,000, Deduct</i>	-0.55
	<i>For >5,000, Deduct</i>	-0.80
08 87 23 16-0008	SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	12.06
	<i>For >1,000 To 5,000, Deduct</i>	-0.55
	<i>For >5,000, Deduct</i>	-0.80
08 87 23 16-0009	SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	12.06
	<i>For >1,000 To 5,000, Deduct</i>	-0.55
	<i>For >5,000, Deduct</i>	-0.80

08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)
 Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF 0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	10.21
	<i>For >1,000 To 5,000, Deduct</i>	-0.48
	<i>For >5,000, Deduct</i>	-0.61
08 87 23 16-0012	SF 0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	10.37
	<i>For >1,000 To 5,000, Deduct</i>	-0.49
	<i>For >5,000, Deduct</i>	-0.63
08 87 23 16-0013	SF 0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	11.81
	<i>For >1,000 To 5,000, Deduct</i>	-0.54
	<i>For >5,000, Deduct</i>	-0.77

08 87 23 16-0014 Anti-Graffiti Glazing Films (08 87 23 16)
 Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	10.21
	<i>For >1,000 To 5,000, Deduct</i>	-0.48
	<i>For >5,000, Deduct</i>	-0.61
08 87 23 16-0016	SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	10.37
	<i>For >1,000 To 5,000, Deduct</i>	-0.49
	<i>For >5,000, Deduct</i>	-0.63

08 88 Special Function Glazing (08 80)

08 88 49 Radiation-Resistant Glazing (08 88)

08 88 49 00-0001 Leaded Glass (X-Ray Shielding) (08 88 49)

08 88 49 00-0002	SF 1/4" Thick Lead Glass With 1/16" Pb Equivalence.....	181.82
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.94

08	08	Openings
	08 80	Glazing
	08 88	Special Function Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 49 00-0003 SF 1/4" Thick Lead Glass With 1/8" Pb Equivalence..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	268.37 14.94	
08 88 53 Security Glazing (08 88)		
08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate (08 88 53)		
08 88 53 00-0002 Ballistic Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.85 48.74	19.66
08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	82.36 48.74	19.66
08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	93.29 55.04	22.01
08 88 53 00-0006 SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	100.39 55.04	22.01
08 88 53 00-0007 SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	114.27 62.89	25.16
08 88 53 00-0008 SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	119.98 62.89	25.16
08 88 53 00-0009 Forced Entry Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0010 SF 5/16" Forced Entry Resistant Laminated Glass Sheet..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	26.93 12.28	5.89
08 88 53 00-0011 SF 1/2" Forced Entry Resistant Laminated Glass Sheet..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	30.23 13.10	6.29
08 88 53 00-0012 SF 11/16" Forced Entry Resistant Laminated Glass Sheet..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	34.10 14.03	6.69
08 88 53 00-0013 SF 7/8" Forced Entry Resistant Laminated Glass Sheet..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	38.20 15.12	7.47
08 88 53 00-0014 Glass Clad Polycarbonate (08 88 53)		
08 88 53 00-0015 SF 0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	102.10 59.75	23.59
08 88 53 00-0016 SF 0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	115.38 69.18	27.68
08 88 53 00-0017 SF 1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	142.41 78.61	31.45
08 88 53 00-0018 Ballistic Resistant Acrylic (08 88 53)		
08 88 53 00-0019 SF 1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	153.25 59.75	23.59
08 88 53 00-0020 SF 1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	179.18 69.18	27.52
08 88 53 00-0021 SF 1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	232.61 78.61	31.45
08 88 53 00-0022 Ballistic Resistant Fiberglass (08 88 53)		
08 88 53 00-0023 SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	45.49 29.87	14.94
08 88 53 00-0024 SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	53.44 34.60	17.29
08 88 53 00-0025 SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	60.65 39.31	19.66
08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate (08 88 53)		
08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026)		
Note: GE-Lexan MR10.		
08 88 53 00-0028 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01..... Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.63 47.65	35.69
08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026)		
Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030 SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	91.05 58.97	23.58
08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
Note: GE-Lexgard MPC-500.		
08 88 53 00-0032 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01..... Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	109.19 62.89	45.27



Openings	08	08
Glazing	08 80	
Special Function Glazing	08 88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small> Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034 SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I..... Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	119.07 66.82	27.93
08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small> Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036 SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	102.51 58.97	23.58
08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
08 88 53 00-0038 SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant..... Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	234.94 130.50	52.52
08 88 53 00-0039 SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant..... Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	237.40 130.50	52.52
08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small> Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041 SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant..... Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	156.72 88.06	33.29
08 90 Louvers And Vents <small>(08)</small>		
08 91 Louvers <small>(08 90)</small>		
08 91 16 Operable Wall Louvers <small>(08 91)</small>		
08 91 16 00-0001 Manual Operable Wall Louvers <small>(08 91 16)</small> Note: Includes painted steel frames. Drainable or non-drainable. See CSI section 23 09 23 00-0273 for actuator for motorized louver.		
08 91 16 00-0002 SF 4 To 10 SF, 4' Depth, Painted Steel, Manual Operable Wall Louver <i>For Fusible Link Type, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Bronze, Add</i> <i>For Stainless Steel, Add</i>	84.31 3.10 6.89 8.25 10.36 18.62	5.07
08 91 16 00-0003 SF >10 SF, 4' Depth, Painted Steel, Manual Operable Wall Louver <i>For Fusible Link Type, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Bronze, Add</i> <i>For Stainless Steel, Add</i>	77.66 2.77 6.15 7.37 9.25 16.62	5.07
08 91 19 Fixed Louvers <small>(08 91)</small>		
08 91 19 00-0001 Fixed Wall Louvers <small>(08 91 19)</small> Note: Includes painted steel frames.		
08 91 19 00-0002 SF 4 To 10 SF, 4' Depth, Painted Steel, Fixed Wall Louver <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Bronze, Add</i> <i>For Stainless Steel, Add</i>	70.64 5.37 6.43 8.08 14.51	5.07
08 91 19 00-0003 SF >10 SF, 4' Depth, Painted Steel, Fixed Wall Louver <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Bronze, Add</i> <i>For Stainless Steel, Add</i>	53.85 3.51 4.20 5.28 9.48	5.07
08 91 19 00-0004 Gable Louver Vents <small>(08 91 19)</small> Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0005 Aluminum Gable Louver Vents <small>(08 91 19 00-0004)</small> Note: Includes screen.		
08 91 19 00-0006 Rectangular Aluminum Gable Louver Vents <small>(08 91 19 00-0005)</small> Note: Includes screen.		
08 91 19 00-0007 EA 12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	135.85	7.19
08 91 19 00-0008 EA 12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	148.83	8.25



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0009	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	171.61	9.32
08 91 19 00-0010	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	188.03	9.92
08 91 19 00-0011	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	214.23	10.50
08 91 19 00-0012	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	240.08	12.59
08 91 19 00-0013	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	278.88	15.73
08 91 19 00-0014	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	311.21	18.36
08 91 19 00-0015	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	356.48	22.04
08 91 19 00-0016	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	446.99	29.37

08 91 19 00-0017 Square Aluminum Gable Louver Vents (08 91 19 00-0005)

Note: Includes screen.

08 91 19 00-0018	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent.....	124.37	6.62
08 91 19 00-0019	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent.....	154.12	8.40
08 91 19 00-0020	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent.....	192.92	9.91
08 91 19 00-0021	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent.....	246.55	13.11
08 91 19 00-0022	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent.....	317.68	18.88
08 91 19 00-0023	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent.....	401.67	25.68
08 91 19 00-0024	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent.....	498.72	33.57

08 91 19 00-0025 Round Aluminum Gable Louver Vents (08 91 19 00-0005)

Note: Includes screen.

08 91 19 00-0026	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	124.37	6.62
08 91 19 00-0027	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	154.12	8.40
08 91 19 00-0028	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	192.92	9.91
08 91 19 00-0029	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	246.55	13.11
08 91 19 00-0030	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	317.68	18.88
08 91 19 00-0031	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	401.73	25.70

08 91 19 00-0032 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0005)

Note: Includes screen.

08 91 19 00-0033	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	124.37	6.62
08 91 19 00-0034	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	135.85	7.19
08 91 19 00-0035	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	148.83	8.25
08 91 19 00-0036	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	154.12	8.40
08 91 19 00-0037	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	171.61	9.32
08 91 19 00-0038	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	188.03	9.92
08 91 19 00-0039	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	192.92	9.91
08 91 19 00-0040	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	214.23	10.50
08 91 19 00-0041	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	240.08	12.59
08 91 19 00-0042	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	246.55	13.11
08 91 19 00-0043	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	278.88	15.73
08 91 19 00-0044	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	311.21	18.36
08 91 19 00-0045	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	317.68	18.88
08 91 19 00-0046	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	356.48	22.04
08 91 19 00-0047	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	395.27	25.18
08 91 19 00-0048	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	401.73	25.70
08 91 19 00-0049	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	446.99	29.37
08 91 19 00-0050	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	498.72	33.57

08 91 19 00-0051 Round Top Aluminum Gable Louver Vents (08 91 19 00-0005)

Note: Includes screen.

08 91 19 00-0052	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	124.37	6.62
08 91 19 00-0053	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	135.85	7.19
08 91 19 00-0054	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	148.83	8.25
08 91 19 00-0055	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	154.12	8.40
08 91 19 00-0056	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	171.61	9.32
08 91 19 00-0057	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	188.03	9.92
08 91 19 00-0058	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	192.92	9.91
08 91 19 00-0059	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	214.23	10.50
08 91 19 00-0060	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	240.08	12.59
08 91 19 00-0061	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	246.55	13.11
08 91 19 00-0062	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	278.88	15.73
08 91 19 00-0063	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	311.21	18.36
08 91 19 00-0064	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	317.68	18.88
08 91 19 00-0065	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	356.48	22.04
08 91 19 00-0066	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	395.27	25.18
08 91 19 00-0067	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	401.73	25.70
08 91 19 00-0068	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	446.99	29.37
08 91 19 00-0069	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	498.72	33.57

08 91 19 00-0070 Triangle Aluminum Gable Louver Vents (08 91 19 00-0005)

Note: Includes screen.

08 91 19 00-0071	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	256.43	8.25
08 91 19 00-0072	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	290.73	9.91
08 91 19 00-0073	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	312.04	10.50
08 91 19 00-0074	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	357.46	12.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0075 EA 48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	398.17	13.11
08 91 19 00-0076 EA 60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	327.78	15.73
08 91 19 00-0077 EA 60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	384.57	18.36
08 91 19 00-0078 EA 60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	435.06	18.88
08 91 19 00-0079 EA 60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	493.41	22.04
08 91 19 00-0080 EA 72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	395.27	25.18
08 91 19 00-0081 EA 72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	455.53	25.70
08 91 19 00-0082 EA 72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	525.24	29.37
08 91 19 00-0083 EA 72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	596.53	33.57
08 91 19 00-0084 EA 72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	670.25	38.58

08 91 19 00-0085 Vinyl Gable Louver Vents (08 91 19 00-0004)

Note: Includes screen.

08 91 19 00-0086 EA 12" x 12" Square Fixed Vinyl Gable Louver Vent.....	42.47	6.62
08 91 19 00-0087 EA 12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	50.97	7.19
08 91 19 00-0088 EA 18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	69.33	9.32
08 91 19 00-0089 EA 24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	93.96	10.50
08 91 19 00-0090 EA 18" Diameter Round Fixed Vinyl Gable Louver Vent.....	66.84	8.40
08 91 19 00-0091 EA 22" Diameter Round Fixed Vinyl Gable Louver Vent.....	77.34	9.91
08 91 19 00-0092 EA 30" Diameter Round Fixed Vinyl Gable Louver Vent.....	108.66	13.11
08 91 19 00-0093 EA 36" Diameter Round Fixed Vinyl Gable Louver Vent.....	158.69	18.88
08 91 19 00-0094 EA 18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	66.84	8.40
08 91 19 00-0095 EA 22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	75.59	9.32
08 91 19 00-0096 EA 27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	96.84	10.50
08 91 19 00-0097 EA 32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	137.89	15.73
08 91 19 00-0098 EA 40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	322.32	25.18
08 91 19 00-0099 EA 14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	65.52	8.25
08 91 19 00-0100 EA 22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	90.87	10.50
08 91 19 00-0101 EA 34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	94.90	12.59
08 91 19 00-0102 EA 52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	211.96	15.73
08 91 19 00-0103 EA 56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	211.96	15.73
08 91 19 00-0104 EA 56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	211.96	15.73
08 91 19 00-0105 EA 62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	211.96	15.73
08 91 19 00-0106 EA 62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	211.96	15.73
08 91 19 00-0107 EA 70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	240.32	25.18
08 91 19 00-0108 EA 70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	240.32	25.18
08 91 19 00-0109 EA 72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	240.32	25.18
08 91 19 00-0110 EA 74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	240.32	25.18

08 95 Vents (08 90)

08 95 13 Soffit Vents (08 95)

08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)

08 95 13 00-0002 LF 2-1/2" Wide Aluminum Soffit Vent.....	4.73	1.94
08 95 13 00-0003 LF 3" Wide Aluminum Soffit Vent.....	8.99	3.80
08 95 13 00-0004 EA 4" x 16" Under Eave Vent, Mill Finish.....	13.24	5.07
08 95 13 00-0005 EA 8" x 16" Under Eave Vent, Mill Finish.....	13.49	5.07

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95 13 00-0007 LF Up To 2" Vinyl Soffit Vent, Perforated, White.....	4.05	1.75
<i>For Colors, Add</i>	0.06	
08 95 13 00-0008 LF 3" To 4" Vinyl Soffit Vent, Perforated, White.....	4.15	1.75
<i>For Colors, Add</i>	0.07	

08 95 16 Wall Vents (08 95)

08 95 16 00-0001 Foundation Vents (08 95 16)

08 95 16 00-0002 SI Galvanized Steel Foundation Vent.....	0.40	0.15
08 95 16 00-0003 SI Aluminum Foundation Vent.....	0.41	0.15
08 95 16 00-0004 SI Stainless Steel Foundation Vent.....	0.95	0.15
08 95 16 00-0005 SI Plastic Foundation Vent.....	0.30	0.15

END OF SECTION 08

08	08	Openings
	08 90	Louvers And Vents
	08 95	Vents



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 01 Maintenance Of Finishes (09)

09 01 20 Maintenance Of Plaster And Gypsum Board (09 01)

09 01 20 00-0001		Drywall Repair <small>(09 01 20)</small>	
		Note: Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 00-0002	SF	Up To 2 SF, Cut And Patch Hole In Drywall To Match Existing	13.44
		Note: Per location.	
09 01 20 00-0003	SF	>2 To 4 SF, Cut And Patch Hole In Drywall To Match Existing	10.86
		Note: Per location.	
09 01 20 00-0004	SF	>4 To 8 SF, Cut And Patch Hole In Drywall To Match Existing	9.76
		Note: Per location.	
09 01 20 00-0005	SF	>8 To 16 SF, Cut And Patch Hole In Drywall To Match Existing	8.61
		Note: Per location.	
09 01 20 00-0006	SF	>16 To 32 SF, Cut And Patch Hole In Drywall To Match Existing	7.72
		Note: Per location. See CSI section 09 29 00 00-0001 for "Gypsum Board" repairs > 32 SF.	

09 01 20 00-0007		Plaster Repair <small>(09 01 20)</small>	
		Note: Per location.	
09 01 20 00-0008		Crack Repairs <small>(09 01 20 00-0007)</small>	
		Note: Includes plaster weld.	
09 01 20 00-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster	13.01
09 01 20 00-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster	10.43
09 01 20 00-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster	8.50
09 01 20 00-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster	6.56
09 01 20 00-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster	5.28
09 01 20 00-0014	LF	>500', Chip, Clean And Repair Crack In Plaster	4.00

09 01 20 00-0015		Hole Repairs <small>(09 01 20 00-0007)</small>	
		Note: Includes plaster weld.	
09 01 20 00-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	12.26
09 01 20 00-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	10.83
09 01 20 00-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	9.96
09 01 20 00-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	9.24
09 01 20 00-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	8.62
09 01 20 00-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	7.92

09 01 20 00-0022		Damage Repairs <small>(09 01 20 00-0007)</small>	
		Note: Includes plaster weld.	
09 01 20 00-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	23.29
09 01 20 00-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	16.86
09 01 20 00-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	12.35
09 01 20 00-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	9.77

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91		Tile Restoration <small>(09 01 30)</small>	
09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout	5.43
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout	6.77
09 01 30 91-0003	SF	Cut And Patch Hole In Tile To Match Existing, Up To 1 SF	35.00
		Note: Per location.	

09 01 60 Maintenance Of Flooring (09 01)

09 01 60 00-0001		Terrazzo Grinding, Polishing And Sealing <small>(09 01 60)</small>	
09 01 60 00-0002	CSF	Grind Existing Terrazzo, Polish And Seal	245.64
09 01 60 00-0003	SF	Remove Setting Bed And Clean Area	3.75
09 01 60 00-0004	SF	Repair Existing Terrazzo	16.77
09 01 60 00-0005	LF	Repair Cracks In Existing Terrazzo	3.85

09 01 60 00-0006		Standard Maintenance <small>(09 01 60)</small>	
09 01 60 00-0007	CSF	Carpet - Steam Clean	15.73
09 01 60 00-0008	CSF	Tile - Wax And Polish	35.29
		For Additional Coat, Add	29.19
09 01 60 00-0009	CSF	Wood - Wax And Polish	30.13
		For Additional Coat, Add	25.38
09 01 60 00-0010	MSF	Vacuum Floors	18.79

09 01 60 00-0011 Concrete Floor Prep (09 01 60)

09 Finishes**09 01 Maintenance Of Finishes****09 01 60 Maintenance Of Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 00-0012 SY Grinding Of Existing Concrete Floor Prior To Installation Of Carpet.....	11.27	
09 01 60 00-0013 SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet.....	5.94	
09 01 60 00-0014 Masonry/Tile Floor Sealants (09 01 60)		
09 01 60 00-0015 SF Masonry/Tile/Stone/Terrazzo Floor Sealant, Per Coat.....	0.97	
Note: For unglazed tile or unpolished stone, matte finish.		
09 01 60 00-0016 SF Masonry/Tile/Stone/Terrazzo Floor Sealant (Fluorochemical Acrylate Copolymer).....	1.07	
09 01 60 00-0017 GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	35.58	
09 20 Plaster And Gypsum Board (09)		
09 22 Supports For Plaster And Gypsum Board (09 20)		
Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
09 22 13 Metal Furring (09 22)		
09 22 13 00-0001 Hat Channel, Drywall Furring Channel (09 22 13)		
Note: Includes clips where required.		
09 22 13 00-0002 Hat Channel, Drywall Furring Channel, Installed On Walls (09 22 13 00-0001)		
09 22 13 00-0003 SF 7/8", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Walls 16" On Center	3.00	1.19
For Walls >10' High, Add	0.35	
For 24" On Center, Deduct	-0.36	
For 12" On Center, Add	0.48	
For 22 Gauge, Add	0.50	
For 20 Gauge, Add	0.78	
09 22 13 00-0004 SF 1-1/2", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Walls 16" On Center	3.25	1.19
For Walls >10' High, Add	0.35	
For 24" On Center, Deduct	-0.41	
For 12" On Center, Add	0.53	
For 22 Gauge, Add	0.62	
For 20 Gauge, Add	0.94	
09 22 13 00-0005 Hat Channel, Drywall Furring Channel, Installed On Columns And Beams (09 22 13 00-0001)		
09 22 13 00-0006 SF 7/8", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Columns And Beams 16" On Center	4.28	1.82
For Columns And Beams >10' High, Add	0.73	
For 24" On Center, Deduct	-0.49	
For 12" On Center, Add	0.67	
For 22 Gauge, Add	0.59	
For 20 Gauge, Add	0.97	
09 22 13 00-0007 SF 1-1/2", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Columns And Beams 16" On Center	4.53	1.82
For Columns And Beams >10' High, Add	0.73	
For 24" On Center, Deduct	-0.54	
For 12" On Center, Add	0.72	
For 22 Gauge, Add	0.72	
For 20 Gauge, Add	1.13	
09 22 13 00-0008 Hat Channel, Drywall Furring Channel, Installed On Ceilings (09 22 13 00-0001)		
09 22 13 00-0009 SF 7/8", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Ceilings 16" On Center	3.97	1.46
For Ceilings >10' High, Add	0.44	
For 24" On Center, Deduct	-0.50	
For 12" On Center, Add	0.65	
For 22 Gauge, Add	0.75	
For 20 Gauge, Add	1.14	
09 22 13 00-0010 SF 1-1/2", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Ceilings 16" On Center	4.22	1.46
For Ceilings >10' High, Add	0.44	
For 24" On Center, Deduct	-0.55	
For 12" On Center, Add	0.70	
For 22 Gauge, Add	0.87	
For 20 Gauge, Add	1.30	
09 22 13 00-0011 Z Furring Channel (09 22 13)		
09 22 13 00-0012 Z Furring Channel, Installed On Walls (09 22 13 00-0011)		
09 22 13 00-0013 SF 1", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center.....	2.51	1.19
For Walls >10' High, Add	0.35	
For 24" On Center, Deduct	-0.27	
For 12" On Center, Add	0.38	
For 22 Gauge, Add	0.25	
For 20 Gauge, Add	0.45	
09 22 13 00-0014 SF 1-1/2", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center	2.54	1.19
For Walls >10' High, Add	0.35	
For 24" On Center, Deduct	-0.27	
For 12" On Center, Add	0.39	
For 22 Gauge, Add	0.27	
For 20 Gauge, Add	0.47	



Finishes	09	
Plaster And Gypsum Board	09 20	9
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0015 SF 2", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	2.57 0.35 -0.28 0.40 0.28 0.49	1.19
09 22 13 00-0016 SF 2-1/2", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	2.59 0.35 -0.28 0.40 0.29 0.51	1.19
09 22 13 00-0017 SF 3", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	2.61 0.35 -0.29 0.40 0.30 0.52	1.19
09 22 13 00-0018 Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13) Note: Includes clips where required.		
09 22 13 00-0019 Single-Leg Resilient Channel, RC1 Furring Channel, Installed On Walls (09 22 13 00-0019)		
09 22 13 00-0020 SF Single-Leg Resilient Channel, 25 Gauge, RC1 Furring Channel, Installed On Walls 16" On Center..... <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	2.68 0.35 -0.30 0.42 0.57	1.19
09 22 13 00-0021 Single-Leg Resilient Channel, RC1 Furring Channel, Installed On Ceilings (09 22 13 00-0018)		
09 22 13 00-0022 SF Single-Leg Resilient Channel, 25 Gauge, RC1 Furring Channel, Installed On Ceilings 16" On Center..... <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	3.23 0.44 -0.36 0.50 0.65	1.46
09 22 13 00-0023 Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13) Note: Includes clips where required.		
09 22 13 00-0024 Double-Leg Resilient Channel, RC2 Furring Channel, Installed On Walls (09 22 13 00-0023)		
09 22 13 00-0025 SF Double-Leg Resilient Channel, 25 Gauge, RC2 Furring Channel, Installed On Walls 16" On Center <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	2.80 0.35 -0.32 0.44 0.64	1.19
09 22 13 00-0026 Double-Leg Resilient Channel, RC2 Furring Channel, Installed On Ceilings (09 22 13 00-0023)		
09 22 13 00-0027 SF Double-Leg Resilient Channel, 25 Gauge, RC2 Furring Channel, Installed On Ceilings 16" On Center <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	3.35 0.44 -0.38 0.52 0.73	1.46
09 22 16 Non-Structural Metal Framing (09 22)		
Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)		
09 22 16 13-0001 25 Gauge, Non Load Bearing, Non Structural Metal Framing (09 22 16 13)		
09 22 16 13-0002 SF 1-5/8" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center..... <i>For Walls >10' High, Add</i> <i>For Soffit, Columns Or Beams Up To 10' High, Add</i> <i>For Soffit, Columns Or Beams >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	1.92 0.38 1.18 1.55 0.38 0.50 0.37 0.32 -0.32 0.63 0.32	0.49

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0003	SF		2-1/2" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.04	0.51
			For Walls >10' High, Add	0.41	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.24	
			For Soffit, Columns Or Beams >10' High, Add	1.62	
			For Horizontal Installation Up To 10' High, Add	0.40	
			For Horizontal Installation >10' High, Add	0.53	
			For Curved Wall, Add	0.39	
			For 12" On Center, Add	0.34	
			For 24" On Center, Deduct	-0.34	
			For Up To 200, Add	0.67	
			For >200 To 500, Add	0.33	
09 22 16 13-0004	SF		3-5/8" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.25	0.54
			For Walls >10' High, Add	0.45	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.31	
			For Soffit, Columns Or Beams >10' High, Add	1.72	
			For Horizontal Installation Up To 10' High, Add	0.43	
			For Horizontal Installation >10' High, Add	0.57	
			For Curved Wall, Add	0.41	
			For 12" On Center, Add	0.38	
			For 24" On Center, Deduct	-0.38	
			For Up To 200, Add	0.72	
			For >200 To 500, Add	0.36	
09 22 16 13-0005	SF		4" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.40	0.56
			For Walls >10' High, Add	0.48	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.38	
			For Soffit, Columns Or Beams >10' High, Add	1.80	
			For Horizontal Installation Up To 10' High, Add	0.45	
			For Horizontal Installation >10' High, Add	0.60	
			For Curved Wall, Add	0.43	
			For 12" On Center, Add	0.41	
			For 24" On Center, Deduct	-0.41	
			For Up To 200, Add	0.76	
			For >200 To 500, Add	0.38	
09 22 16 13-0006	SF		6" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.70	0.59
			For Walls >10' High, Add	0.54	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.46	
			For Soffit, Columns Or Beams >10' High, Add	1.91	
			For Horizontal Installation Up To 10' High, Add	0.49	
			For Horizontal Installation >10' High, Add	0.64	
			For Curved Wall, Add	0.45	
			For 12" On Center, Add	0.47	
			For 24" On Center, Deduct	-0.47	
			For Up To 200, Add	0.84	
			For >200 To 500, Add	0.42	
09 22 16 13-0007			20 Gauge, Non Load Bearing, Non Structural Metal Framing (09 22 16 13)		
09 22 16 13-0008	SF		1-5/8" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.18	0.50
			For Walls >10' High, Add	0.44	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.23	
			For Soffit, Columns Or Beams >10' High, Add	1.60	
			For Horizontal Installation Up To 10' High, Add	0.41	
			For Horizontal Installation >10' High, Add	0.53	
			For Curved Wall, Add	0.38	
			For 12" On Center, Add	0.37	
			For 24" On Center, Deduct	-0.37	
			For Up To 200, Add	0.69	
			For >200 To 500, Add	0.34	
09 22 16 13-0009	SF		2-1/2" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.42	0.53
			For Walls >10' High, Add	0.48	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.31	
			For Soffit, Columns Or Beams >10' High, Add	1.71	
			For Horizontal Installation Up To 10' High, Add	0.44	
			For Horizontal Installation >10' High, Add	0.57	
			For Curved Wall, Add	0.40	
			For 12" On Center, Add	0.42	
			For 24" On Center, Deduct	-0.42	
			For Up To 200, Add	0.75	
			For >200 To 500, Add	0.38	
09 22 16 13-0010	SF		3-5/8" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.67	0.55
			For Walls >10' High, Add	0.53	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.38	
			For Soffit, Columns Or Beams >10' High, Add	1.80	
			For Horizontal Installation Up To 10' High, Add	0.48	
			For Horizontal Installation >10' High, Add	0.61	
			For Curved Wall, Add	0.42	
			For 12" On Center, Add	0.46	
			For 24" On Center, Deduct	-0.46	
			For Up To 200, Add	0.81	
			For >200 To 500, Add	0.41	



Finishes	09	2
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0011 SF 4" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.86	0.58
For Walls >10' High, Add	0.57	
For Soffit, Columns Or Beams Up To 10' High, Add	1.45	
For Soffit, Columns Or Beams >10' High, Add	1.89	
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.65	
For Curved Wall, Add	0.44	
For 12" On Center, Add	0.50	
For 24" On Center, Deduct	-0.50	
For Up To 200, Add	0.86	
For >200 To 500, Add	0.43	
09 22 16 13-0012 SF 6" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.04	0.61
For Walls >10' High, Add	0.81	
For Soffit, Columns Or Beams Up To 10' High, Add	1.63	
For Soffit, Columns Or Beams >10' High, Add	2.09	
For Horizontal Installation Up To 10' High, Add	0.63	
For Horizontal Installation >10' High, Add	0.79	
For Curved Wall, Add	0.46	
For 12" On Center, Add	0.73	
For 24" On Center, Deduct	-0.73	
For Up To 200, Add	1.11	
For >200 To 500, Add	0.56	
09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural Metal Framing (09 22 16 13)		
09 22 16 13-0014 SF 2-1/2" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	2.86	0.54
For Walls >10' High, Add	0.57	
For Soffit, Columns Or Beams Up To 10' High, Add	1.37	
For Soffit, Columns Or Beams >10' High, Add	1.78	
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.63	
For Curved Wall, Add	0.41	
For 12" On Center, Add	0.50	
For 24" On Center, Deduct	-0.50	
For Up To 200, Add	0.84	
For >200 To 500, Add	0.42	
09 22 16 13-0015 SF 3-5/8" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	3.71	0.56
For Walls >10' High, Add	0.74	
For Soffit, Columns Or Beams Up To 10' High, Add	1.52	
For Soffit, Columns Or Beams >10' High, Add	1.94	
For Horizontal Installation Up To 10' High, Add	0.59	
For Horizontal Installation >10' High, Add	0.73	
For Curved Wall, Add	0.43	
For 12" On Center, Add	0.67	
For 24" On Center, Deduct	-0.67	
For Up To 200, Add	1.03	
For >200 To 500, Add	0.51	
09 22 16 13-0016 SF 4" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.05	0.59
For Walls >10' High, Add	0.81	
For Soffit, Columns Or Beams Up To 10' High, Add	1.60	
For Soffit, Columns Or Beams >10' High, Add	2.04	
For Horizontal Installation Up To 10' High, Add	0.63	
For Horizontal Installation >10' High, Add	0.78	
For Curved Wall, Add	0.45	
For 12" On Center, Add	0.74	
For 24" On Center, Deduct	-0.74	
For Up To 200, Add	1.11	
For >200 To 500, Add	0.55	
09 22 16 13-0017 SF 6" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.34	0.62
For Walls >10' High, Add	1.07	
For Soffit, Columns Or Beams Up To 10' High, Add	1.79	
For Soffit, Columns Or Beams >10' High, Add	2.26	
For Horizontal Installation Up To 10' High, Add	0.77	
For Horizontal Installation >10' High, Add	0.93	
For Curved Wall, Add	0.47	
For 12" On Center, Add	0.99	
For 24" On Center, Deduct	-0.99	
For Up To 200, Add	1.38	
For >200 To 500, Add	0.69	
09 22 16 13-0018 SF 8" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.82	0.66
For Walls >10' High, Add	1.16	
For Soffit, Columns Or Beams Up To 10' High, Add	1.89	
For Soffit, Columns Or Beams >10' High, Add	2.39	
For Horizontal Installation Up To 10' High, Add	0.83	
For Horizontal Installation >10' High, Add	0.99	
For Curved Wall, Add	0.49	
For 12" On Center, Add	1.08	
For 24" On Center, Deduct	-1.08	
For Up To 200, Add	1.49	
For >200 To 500, Add	0.75	

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 22 16 13-0019	16 Gauge, Non Load Bearing, Non Structural Metal Framing <small>(09 22 16 13)</small>		
09 22 16 13-0020	SF 2-1/2" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	3.62	0.55
	For Walls >10' High, Add	0.72	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.47	
	For Soffit, Columns Or Beams >10' High, Add	1.89	
	For Horizontal Installation Up To 10' High, Add	0.57	
	For Horizontal Installation >10' High, Add	0.71	
	For Curved Wall, Add	0.42	
	For 12" On Center, Add	0.65	
	For 24" On Center, Deduct	-0.65	
	For Up To 200, Add	1.00	
	For >200 To 500, Add	0.50	
09 22 16 13-0021	SF 3-5/8" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.28	0.58
	For Walls >10' High, Add	0.86	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.60	
	For Soffit, Columns Or Beams >10' High, Add	2.03	
	For Horizontal Installation Up To 10' High, Add	0.65	
	For Horizontal Installation >10' High, Add	0.79	
	For Curved Wall, Add	0.44	
	For 12" On Center, Add	0.78	
	For 24" On Center, Deduct	-0.78	
	For Up To 200, Add	1.15	
	For >200 To 500, Add	0.57	
09 22 16 13-0022	SF 4" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.53	0.61
	For Walls >10' High, Add	0.91	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.68	
	For Soffit, Columns Or Beams >10' High, Add	2.14	
	For Horizontal Installation Up To 10' High, Add	0.68	
	For Horizontal Installation >10' High, Add	0.84	
	For Curved Wall, Add	0.46	
	For 12" On Center, Add	0.83	
	For 24" On Center, Deduct	-0.83	
	For Up To 200, Add	1.21	
	For >200 To 500, Add	0.61	
09 22 16 13-0023	SF 6" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.77	0.64
	For Walls >10' High, Add	1.15	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.87	
	For Soffit, Columns Or Beams >10' High, Add	2.35	
	For Horizontal Installation Up To 10' High, Add	0.82	
	For Horizontal Installation >10' High, Add	0.98	
	For Curved Wall, Add	0.48	
	For 12" On Center, Add	1.07	
	For 24" On Center, Deduct	-1.07	
	For Up To 200, Add	1.48	
	For >200 To 500, Add	0.74	
09 22 16 13-0024	SF 8" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	6.37	0.67
	For Walls >10' High, Add	1.27	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.99	
	For Soffit, Columns Or Beams >10' High, Add	2.50	
	For Horizontal Installation Up To 10' High, Add	0.89	
	For Horizontal Installation >10' High, Add	1.06	
	For Curved Wall, Add	0.51	
	For 12" On Center, Add	1.19	
	For 24" On Center, Deduct	-1.19	
	For Up To 200, Add	1.61	
	For >200 To 500, Add	0.81	
09 22 36	Lath <small>(09 22)</small>		
09 22 36 13	Gypsum Lath <small>(09 22 36)</small>		
09 22 36 13-0001	Plaster Base Gypsum Panel <small>(09 22 36 13)</small>		
09 22 36 13-0002	SF 3/8" Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls.....	0.92	0.33
	For Walls >10' High, Add	0.08	
	For Up To 100, Add	0.33	
	For >100 To 500, Add	0.16	
	For >5,000, Deduct	-0.07	
09 22 36 13-0003	SF 1/2" Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls.....	1.24	0.38
	For Walls >10' High, Add	0.09	
	For Up To 100, Add	0.38	
	For >100 To 500, Add	0.19	
	For >5,000, Deduct	-0.08	
09 22 36 13-0004	SF 5/8" Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls.....	1.56	0.43
	For Walls >10' High, Add	0.11	
	For Up To 100, Add	0.43	
	For >100 To 500, Add	0.22	
	For >5,000, Deduct	-0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0005 SF 3/8" Plaster Base Gypsum Panel, Installed On Ceiling..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.19 0.14 0.46 0.23 -0.09	0.46
09 22 36 13-0006 SF 1/2" Plaster Base Gypsum Panel, Installed On Ceiling..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.55 0.16 0.53 0.27 -0.11	0.53
09 22 36 13-0007 SF 5/8" Plaster Base Gypsum Panel, Installed On Ceiling..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.91 0.18 0.61 0.30 -0.12	0.61
09 22 36 13-0008 SF 3/8" Plaster Base Gypsum Panel, Installed On Columns And Beams <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.45 0.18 0.59 0.30 -0.12	0.59
09 22 36 13-0009 SF 1/2" Plaster Base Gypsum Panel, Installed On Columns And Beams <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.85 0.20 0.68 0.34 -0.14	0.68
09 22 36 13-0010 SF 5/8" Plaster Base Gypsum Panel, Installed On Columns And Beams <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.26 0.23 0.78 0.39 -0.16	0.78
09 22 36 13-0011 Firestop Plaster Base Gypsum Panel <small>(09 22 36 13)</small>		
09 22 36 13-0012 SF 3/8" Firestop Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.23 0.08 0.33 0.16 -0.07	0.33
09 22 36 13-0013 SF 1/2" Firestop Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.43 0.09 0.38 0.19 -0.08	0.38
09 22 36 13-0014 SF 3/8" Firestop Plaster Base Gypsum Panel, Installed On Ceiling..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.50 0.14 0.46 0.23 -0.09	0.46
09 22 36 13-0015 SF 1/2" Firestop Plaster Base Gypsum Panel, Installed On Ceiling..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.74 0.16 0.53 0.27 -0.11	0.53
09 22 36 13-0016 SF 3/8" Firestop Plaster Base Gypsum Panel, Installed On Columns And Beams <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.76 0.18 0.59 0.30 -0.12	0.59
09 22 36 13-0017 SF 1/2" Firestop Plaster Base Gypsum Panel, Installed On Columns And Beams <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.04 0.20 0.68 0.34 -0.14	0.68
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panel <small>(09 22 36 13)</small>		
09 22 36 13-0019 SF 3/8" Foil Back Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.23 0.08 0.33 0.16 -0.07	0.33
09 22 36 13-0020 SF 1/2" Foil Back Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.43 0.09 0.38 0.19 -0.08	0.38
09 22 36 13-0021 SF 3/8" Foil Back Plaster Base Gypsum Panel, Installed On Ceiling..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.50 0.14 0.46 0.23 -0.09	0.46
09 22 36 13-0022 SF 1/2" Foil Back Plaster Base Gypsum Panel, Installed On Ceiling..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.74 0.16 0.53 0.27 -0.11	0.53

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0023	SF		3/8" Foil Back Plaster Base Gypsum Panel, Installed On Columns And Beams.....	1.76	0.59
			<i>For Columns And Beams >10' High, Add</i>	0.18	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 500, Add</i>	0.30	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 13-0024	SF		1/2" Foil Back Plaster Base Gypsum Panel, Installed On Columns And Beams.....	2.04	0.68
			<i>For Columns And Beams >10' High, Add</i>	0.20	
			<i>For Up To 100, Add</i>	0.68	
			<i>For >100 To 500, Add</i>	0.34	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 23 Metal Lath (09 22 36)					
09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)					
09 22 36 23-0002	SF		1.75 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.51	0.45
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 500, Add</i>	0.25	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 23-0003	SF		2.0 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.57	0.45
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 500, Add</i>	0.25	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 23-0004	SF		2.5 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.63	0.45
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 500, Add</i>	0.25	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 23-0005	SF		3.4 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.86	0.48
			<i>For Walls >10' High, Add</i>	0.14	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
09 22 36 23-0006	SF		1.75 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling.....	1.66	0.51
			<i>For Ceilings >10' High, Add</i>	0.17	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 500, Add</i>	0.29	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 23-0007	SF		2.0 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling.....	1.72	0.51
			<i>For Ceilings >10' High, Add</i>	0.17	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 500, Add</i>	0.29	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 23-0008	SF		2.5 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling.....	1.78	0.51
			<i>For Ceilings >10' High, Add</i>	0.17	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 500, Add</i>	0.29	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 23-0009	SF		3.4 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling.....	1.94	0.51
			<i>For Ceilings >10' High, Add</i>	0.17	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 500, Add</i>	0.29	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 23-0010	SF		1.75 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.21	0.72
			<i>For Columns And Beams >10' High, Add</i>	0.24	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.81	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0011	SF		2.0 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.27	0.72
			<i>For Columns And Beams >10' High, Add</i>	0.24	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.81	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0012	SF		2.5 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.33	0.72
			<i>For Columns And Beams >10' High, Add</i>	0.24	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.81	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0013	SF		3.4 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.89	0.92
			<i>For Columns And Beams >10' High, Add</i>	0.30	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.01	
			<i>For >100 To 500, Add</i>	0.51	
			<i>For >5,000, Deduct</i>	-0.20	



Finishes	09	
Plaster And Gypsum Board	09 20	9
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0015 SF 1.75 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface.....	1.58	0.48
For Walls >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.27	
For >5,000, Deduct	-0.11	
09 22 36 23-0016 SF 2.0 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface.....	1.64	0.48
For Walls >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.27	
For >5,000, Deduct	-0.11	
09 22 36 23-0017 SF 2.5 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface.....	1.70	0.48
For Walls >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.27	
For >5,000, Deduct	-0.11	
09 22 36 23-0018 SF 3.4 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface.....	1.86	0.48
For Walls >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.27	
For >5,000, Deduct	-0.11	
09 22 36 23-0019 SF 1.75 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams.....	2.61	0.92
For Columns And Beams >10' High, Add	0.30	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.01	
For >100 To 500, Add	0.51	
For >5,000, Deduct	-0.20	
09 22 36 23-0020 SF 2.0 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams.....	2.67	0.92
For Columns And Beams >10' High, Add	0.30	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.01	
For >100 To 500, Add	0.51	
For >5,000, Deduct	-0.20	
09 22 36 23-0021 SF 2.5 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams.....	2.73	0.92
For Columns And Beams >10' High, Add	0.30	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.01	
For >100 To 500, Add	0.51	
For >5,000, Deduct	-0.20	
09 22 36 23-0022 SF 3.4 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams.....	3.18	1.05
For Columns And Beams >10' High, Add	0.35	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.16	
For >100 To 500, Add	0.58	
For >5,000, Deduct	-0.23	
09 22 36 23-0023 High Rib Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0024 SF 2.75 LB/SY, 1/8" High Rib Metal Lath, Installed On Ceiling.....	1.83	0.51
For Ceilings >10' High, Add	0.17	
For Up To 100, Add	0.58	
For >100 To 500, Add	0.29	
For >5,000, Deduct	-0.12	
09 22 36 23-0025 SF 3.4 LB/SY, 1/8" High Rib Metal Lath, Installed On Ceiling.....	1.92	0.51
For Ceilings >10' High, Add	0.17	
For Up To 100, Add	0.58	
For >100 To 500, Add	0.29	
For >5,000, Deduct	-0.12	
09 22 36 23-0026 SF 3.4 LB/SY, 3/8" High Rib Metal Lath, Installed On Ceiling.....	1.98	0.51
For Ceilings >10' High, Add	0.17	
For Up To 100, Add	0.58	
For >100 To 500, Add	0.29	
For >5,000, Deduct	-0.12	
09 22 36 23-0027 SF 4.0 LB/SY, 3/8" High Rib Metal Lath, Installed On Ceiling.....	2.08	0.51
For Ceilings >10' High, Add	0.17	
For Up To 100, Add	0.58	
For >100 To 500, Add	0.29	
For >5,000, Deduct	-0.12	
09 22 36 33 Fiberglass Lath <small>(09 22 36)</small>		
09 22 36 33-0001 Fiberglass Non-Metallic Lath <small>(09 22 36 33)</small>		
09 22 36 33-0002 SF 1/8" Fiberglass Non Metallic Lath, Installed On Ceiling.....	1.97	0.51
For Ceilings >10' High, Add	0.17	
For Up To 100, Add	0.58	
For >100 To 500, Add	0.29	
For >5,000, Deduct	-0.12	

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 33-0003	SF		1/4" Fiberglass Non Metallic Lath, Installed On Ceiling <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.09 0.17 0.58 0.29 -0.12	0.51
09 22 36 33-0004	SF		1/8" Fiberglass Non Metallic Lath, Installed On Solid Surface <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.89 0.14 0.54 0.27 -0.11	0.48
09 22 36 33-0005	SF		1/4" Fiberglass Non Metallic Lath, Installed On Solid Surface <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.01 0.14 0.54 0.27 -0.11	0.48
09 23 Gypsum Plastering (09 20)					
09 23 13 Acoustical Gypsum Plastering (09 23)					
Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.					
09 23 13 00-0001 Casing And Corner Beads (09 23 13)					
09 23 13 00-0002	LF		Galvanized Expanded Flange Casing Bead Note: Used for interior installations.	2.95	0.72
09 23 13 00-0003	LF		Zinc Expanded Flange Casing Bead..... Note: Used for exterior installations.	2.95	0.72
09 23 13 00-0004	LF		Vinyl Expanded Flange Casing Bead.....	3.25	0.72
09 23 13 00-0005	LF		Galvanized Corner Bead.....	2.85	0.72
09 23 13 00-0006	LF		Vinyl Corner Bead.....	2.93	0.72
09 23 13 00-0007 Trim (09 23 13)					
09 23 13 00-0008	LF		"J" Trim, Galvanized Steel <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	3.16 0.17 1.13	0.72
09 23 13 00-0009	LF		"L" Trim, Galvanized Steel <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	3.16 0.17 1.13	0.72
09 23 13 00-0010	LF		"U" Trim, Galvanized Steel..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	3.16 0.17 1.13	0.72
09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)					
09 23 13 00-0012	SF		1" Architectural Foam Forms To Cover With Plaster.....	3.43	
09 23 13 00-0013	LF		3/4" Galvanized Expansion Joint Note: For plastering applications.	3.38	0.72
09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls (09 23 13)					
09 23 13 00-0015	SF		Skim Coat One Coat Gypsum Plaster On Walls <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For <100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	0.93 0.07 0.11 0.21 0.22 0.33 0.36 0.18 -0.14	
09 23 13 00-0016	SF		For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For <100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	0.68 0.05 0.08 0.16 0.16 0.24 0.26 0.13 -0.10	
09 23 13 00-0017 Two Coats Gypsum Plaster On Walls (09 23 13)					
09 23 13 00-0018	SF		Smooth Finish Two Coats Gypsum Plaster On Walls <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For <100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	4.33 0.39 0.59 1.18 1.22 1.81 1.97 0.98 -0.79	2.39



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Plastering	09 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0019 SF Sand Aggregate Two Coats Gypsum Plaster On Walls.....	4.44	2.25
For Walls >10' High, Add	0.37	
For Horizontal Installation Up To 10' High, Add	0.55	
For Horizontal Installation >10' High, Add	1.10	
For Columns Or Beams Up To 10' High, Add	1.14	
For Columns Or Beams >10' High, Add	1.69	
For <100, Add	1.84	
For >100 To 500, Add	0.92	
For >5,000, Deduct	-0.74	
09 23 13 00-0020 SF Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	4.73	2.25
For Walls >10' High, Add	0.37	
For Horizontal Installation Up To 10' High, Add	0.55	
For Horizontal Installation >10' High, Add	1.10	
For Columns Or Beams Up To 10' High, Add	1.14	
For Columns Or Beams >10' High, Add	1.69	
For <100, Add	1.84	
For >100 To 500, Add	0.92	
For >5,000, Deduct	-0.74	
09 23 13 00-0021 Three Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0022 SF Smooth Finish Three Coats Gypsum Plaster On Walls.....	5.27	2.89
For Walls >10' High, Add	0.47	
For Horizontal Installation Up To 10' High, Add	0.70	
For Horizontal Installation >10' High, Add	1.41	
For Columns Or Beams Up To 10' High, Add	1.45	
For Columns Or Beams >10' High, Add	2.16	
For <100, Add	2.35	
For >100 To 500, Add	1.17	
For >5,000, Deduct	-0.94	
09 23 13 00-0023 SF Sand Aggregate Three Coats Gypsum Plaster On Walls.....	5.29	2.64
For Walls >10' High, Add	0.44	
For Horizontal Installation Up To 10' High, Add	0.65	
For Horizontal Installation >10' High, Add	1.31	
For Columns Or Beams Up To 10' High, Add	1.35	
For Columns Or Beams >10' High, Add	2.00	
For <100, Add	2.18	
For >100 To 500, Add	1.09	
For >5,000, Deduct	-0.87	
09 23 13 00-0024 SF Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls.....	4.98	2.64
For Walls >10' High, Add	0.43	
For Horizontal Installation Up To 10' High, Add	0.65	
For Horizontal Installation >10' High, Add	1.30	
For Columns Or Beams Up To 10' High, Add	1.34	
For Columns Or Beams >10' High, Add	1.99	
For <100, Add	2.16	
For >100 To 500, Add	1.08	
For >5,000, Deduct	-0.86	
09 23 13 00-0025 Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 23 13)		
Note: Used for areas with higher than normal moisture.		
09 23 13 00-0026 SF 1 Coat Keene's Cement Plaster On Walls.....	3.33	1.61
For Walls >10' High, Add	0.26	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.77	
For Columns Or Beams Up To 10' High, Add	0.80	
For Columns Or Beams >10' High, Add	1.19	
For <100, Add	1.29	
For >100 To 500, Add	0.65	
For >5,000, Deduct	-0.52	
09 23 13 00-0027 SF 2 Coat Keene's Cement Plaster On Walls.....	5.03	2.51
For Walls >10' High, Add	0.41	
For Horizontal Installation Up To 10' High, Add	0.61	
For Horizontal Installation >10' High, Add	1.22	
For Columns Or Beams Up To 10' High, Add	1.26	
For Columns Or Beams >10' High, Add	1.88	
For <100, Add	2.04	
For >100 To 500, Add	1.02	
For >5,000, Deduct	-0.82	
09 23 13 00-0028 SF 3 Coat Keene's Cement Plaster On Walls.....	5.70	2.83
For Walls >10' High, Add	0.46	
For Horizontal Installation Up To 10' High, Add	0.69	
For Horizontal Installation >10' High, Add	1.39	
For Columns Or Beams Up To 10' High, Add	1.43	
For Columns Or Beams >10' High, Add	2.13	
For <100, Add	2.31	
For >100 To 500, Add	1.16	
For >5,000, Deduct	-0.92	
09 23 13 00-0029 Plaster Bonding Agent (09 23 13)		

09 Finishes
09 20 Plaster And Gypsum Board
09 23 Gypsum Plastering



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0030	SF		1 Coat, Brush/Roller Plaster Bonding Agent.....	0.47	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Columns Or Beams Up To 10' High, Add</i>	0.11	
			<i>For Columns Or Beams >10' High, Add</i>	0.17	
			<i>For Ceiling Application Up To 10' High, Add</i>	0.05	
			<i>For Ceiling Application >10' High, Add</i>	0.09	

09 24 Cement Plastering (09 20)

09 24 23 Cement Stucco (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco (09 24 23)

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

09 24 23 00-0002	SF		Three Coat Troweled Stucco, Scratch/Brown/Finish.....	6.25	2.00
			Note: Excludes lath and felt. Interior or exterior, one side.		
			<i>For Walls >10' High, Add</i>	0.55	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.82	
			<i>For Horizontal Installation >10' High, Add</i>	1.64	
			<i>For Columns Or Beams Up To 10' High, Add</i>	1.69	
			<i>For Columns Or Beams >10' High, Add</i>	2.51	
			<i>For Color Added To Finish Coat, Add</i>	0.15	
			<i>For Smooth Float Finish, Add</i>	1.14	
			<i>For <100, Add</i>	2.73	
			<i>For >100 To 500, Add</i>	1.36	
			<i>For >5,000, Deduct</i>	-1.09	
09 24 23 00-0003	SF		Two Coat Troweled Stucco, Scratch/Brown.....	2.70	0.96
			Note: Excludes lath and felt. Interior or exterior, one side.		
			<i>For Walls >10' High, Add</i>	0.20	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.30	
			<i>For Horizontal Installation >10' High, Add</i>	0.60	
			<i>For Columns Or Beams Up To 10' High, Add</i>	0.62	
			<i>For Columns Or Beams >10' High, Add</i>	0.92	
			<i>For <100, Add</i>	1.00	
			<i>For >100 To 500, Add</i>	0.50	
			<i>For >5,000, Deduct</i>	-0.40	
09 24 23 00-0004	SF		Two Coat Troweled Stucco, Scratch/Finish.....	4.13	0.96
			Note: Excludes lath and felt. Interior or exterior, one side.		
			<i>For Walls >10' High, Add</i>	0.35	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.53	
			<i>For Horizontal Installation >10' High, Add</i>	1.06	
			<i>For Columns Or Beams Up To 10' High, Add</i>	1.10	
			<i>For Columns Or Beams >10' High, Add</i>	1.63	
			<i>For Color Added To Finish Coat, Add</i>	0.15	
			<i>For Smooth Float Finish, Add</i>	0.97	
			<i>For <100, Add</i>	1.77	
			<i>For >100 To 500, Add</i>	0.89	
			<i>For >5,000, Deduct</i>	-0.71	
09 24 23 00-0005	SF		Finish Coat Troweled Stucco.....	2.68	0.64
			Note: Excludes lath and felt. Interior or exterior, one side.		
			<i>For Walls >10' High, Add</i>	0.26	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.39	
			<i>For Horizontal Installation >10' High, Add</i>	0.77	
			<i>For Columns Or Beams Up To 10' High, Add</i>	0.80	
			<i>For Columns Or Beams >10' High, Add</i>	1.19	
			<i>For Color Added To Finish Coat, Add</i>	0.15	
			<i>For Smooth Float Finish, Add</i>	0.97	
			<i>For <100, Add</i>	1.29	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >5,000, Deduct</i>	-0.52	

09 24 33 Cement Parging (09 24)

09 24 33 00-0001 Cement Parging (09 24 33)

09 24 33 00-0002	SF		1/8" Thick Sand And Cement Parging.....	2.67	
09 24 33 00-0003	SF		1/4" Thick Sand And Cement Parging.....	3.41	
09 24 33 00-0004	SF		1/2" Thick Sand And Cement Parging.....	4.24	

09 28 Backing Boards And Underlaments (09 20)

09 28 13 Cementitious Backing Boards (09 28)

09 28 13 00-0001 Cementitious Backer Units (09 28 13)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors.....	2.66	0.47
			<i>For Up To 50, Add</i>	2.08	
			<i>For >50 To 250, Add</i>	0.38	
			<i>For >1,000, Deduct</i>	-0.19	
			<i>For Installation On Wall, Add</i>	0.38	
			<i>For Installation On Ceiling, Add</i>	0.95	



Finishes	09	
Plaster And Gypsum Board	09 20	9
Backing Boards And Underlayments	09 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 13 00-0003 SF 1/2" Cementitious Backer Units For Installation On Floors	3.06	0.56
For Up To 50, Add	2.47	
For >50 To 250, Add	0.45	
For >1,000, Deduct	-0.23	
For Installation On Wall, Add	0.45	
For Installation On Ceiling, Add	1.14	
09 28 13 00-0004 SF 5/8" Cementitious Backer Units For Installation On Floors	3.76	0.66
For Up To 50, Add	2.93	
For >50 To 250, Add	0.53	
For >1,000, Deduct	-0.27	
For Installation On Wall, Add	0.53	
For Installation On Ceiling, Add	1.33	
09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)		
09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield (09 28 16)		
Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002 SF 1/2" DensShield Tile Backer For Installation On Floors	2.05	0.53
For Up To 50, Add	1.53	
For >50 To 250, Add	0.27	
For >1,000, Deduct	-0.14	
For Installation On Wall, Add	0.27	
For Installation On Ceiling, Add	0.68	
09 28 16 00-0003 SF 5/8" DensShield Tile Backer For Installation On Floors	2.87	0.60
For Up To 50, Add	1.85	
For >50 To 250, Add	0.30	
For >1,000, Deduct	-0.15	
For Installation On Wall, Add	0.30	
For Installation On Ceiling, Add	0.76	
09 28 23 Bullet Resistant Fiberglass Board (09 28)		
09 28 23 00-0001 Laminated Bullet Resistant Fiberglass Panel (09 28 23)		
Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
09 28 23 00-0002 SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	11.72	1.07
09 28 23 00-0003 SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	15.72	1.15
09 28 23 00-0004 SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	17.71	1.22
09 28 23 00-0005 SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	18.86	1.30
09 28 23 00-0006 SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	21.91	1.45
09 28 23 00-0007 SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	36.44	1.76
09 28 23 00-0008 SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	61.89	3.28
09 28 23 00-0009 SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	75.03	3.59
09 28 23 00-0010 SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	85.09	3.81
09 29 Gypsum Board (09 20)		
09 29 00 00-0001 Standard Gypsum Board Application (09 29)		
Note: Price includes gypsum board screwed on one face only, without finishing. Installed on walls, ceilings, beams, columns, soffits, recesses and chases, flat or curved surfaces. See CSI section 09 01 20 00-0001 for small repairs, 09 29 00 00-0054 for finishing gypsum board, 09 29 00 00-0072 for casing and corner bead, 09 91 43 00-0011 for small repairs.		
09 29 00 00-0002 Standard Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0003 SF 1/4" Gypsum Board.....	0.94	0.30
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.14	
For Times When The Shortest Distance From Corner To Corner Is <3', Add	0.30	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.20	
For Horizontal Installation >10' High, Add	0.30	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.37	
For >128 To 320, Add	0.18	
09 29 00 00-0004 SF 3/8" Gypsum Board.....	1.02	0.34
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.16	
For Times When The Shortest Distance From Corner To Corner Is <3', Add	0.34	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.23	
For Horizontal Installation >10' High, Add	0.34	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.41	
For >128 To 320, Add	0.20	

09 Finishes

09 20 Plaster And Gypsum Board

09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0005	SF		1/2" Gypsum Board.....	1.13	0.39
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.19	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.40	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.27	
			<i>For Horizontal Installation >10' High, Add</i>	0.40	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.46	
			<i>For >128 To 320, Add</i>	0.23	
09 29 00 00-0006	SF		5/8" Gypsum Board.....	1.32	0.45
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.21	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.45	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.31	
			<i>For Horizontal Installation >10' High, Add</i>	0.45	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.53	
			<i>For >128 To 320, Add</i>	0.27	
09 29 00 00-0007	SF		1/4" Gypsum Board, Two Layers	1.77	0.54
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.26	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.55	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.37	
			<i>For Horizontal Installation >10' High, Add</i>	0.55	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.68	
			<i>For >128 To 320, Add</i>	0.34	
09 29 00 00-0008	SF		3/8" Gypsum Board, Two Layers	1.91	0.61
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.62	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.12	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.42	
			<i>For Horizontal Installation >10' High, Add</i>	0.62	
			<i>For Walls >10' High, Add</i>	0.10	
			<i>For Up To 128, Add</i>	0.75	
			<i>For >128 To 320, Add</i>	0.38	
09 29 00 00-0009	SF		1/2" Gypsum Board, Two Layers	2.09	0.70
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.71	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.13	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.48	
			<i>For Horizontal Installation >10' High, Add</i>	0.71	
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Up To 128, Add</i>	0.84	
			<i>For >128 To 320, Add</i>	0.42	
09 29 00 00-0010	SF		5/8" Gypsum Board, Two Layers	2.46	0.81
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.81	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.14	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.55	
			<i>For Horizontal Installation >10' High, Add</i>	0.81	
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Up To 128, Add</i>	0.98	
			<i>For >128 To 320, Add</i>	0.49	
09 29 00 00-0011			Fire Rated Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0012			Type X, Fire Rated Gypsum Board (09 29 00 00-0011)		
09 29 00 00-0013	SF		5/8" Type X Fire Rated Gypsum Board.....	1.40	0.45
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.23	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.50	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.34	
			<i>For Horizontal Installation >10' High, Add</i>	0.50	
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 128, Add</i>	0.58	
			<i>For >128 To 320, Add</i>	0.29	
09 29 00 00-0014	SF		5/8" Type X Fire Rated Gypsum Board, Two Layers	2.60	0.45
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.89	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.15	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.61	
			<i>For Horizontal Installation >10' High, Add</i>	0.89	
			<i>For Walls >10' High, Add</i>	0.14	
			<i>For Up To 128, Add</i>	1.05	
			<i>For >128 To 320, Add</i>	0.53	
09 29 00 00-0015			Type C, Fire Rated Gypsum Board (09 29 00 00-0011)		



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0016 SF 1/2" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	1.30 0.20 0.44 0.10 0.10 0.30 0.44 0.07 0.52 0.26	0.39
09 29 00 00-0017 SF 5/8" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	1.45 0.23 0.50 0.11 0.10 0.34 0.50 0.08 0.59 0.29	0.45
09 29 00 00-0018 SF 1/2" Type C Fire Rated Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	2.41 0.37 0.78 0.14 0.53 0.78 0.12 0.95 0.47	0.39
09 29 00 00-0019 SF 5/8" Type C Fire Rated Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	2.70 0.42 0.89 0.15 0.61 0.89 0.14 1.07 0.54	0.45
09 29 00 00-0020 Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 00 00-0011)		
09 29 00 00-0021 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®) <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	2.03 0.24 0.50 0.11 0.34 0.50 0.08 0.70 0.35	0.45
09 29 00 00-0022 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	3.87 0.43 0.89 0.15 0.61 0.89 0.14 1.31 0.65	0.45
09 29 00 00-0023 Moisture Resistant Gypsum Board Application (09 29 00 00-0001) Note: Water-resistant gypsum core.		
09 29 00 00-0024 SF 1/2" Moisture Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	1.24 0.19 0.40 0.10 0.27 0.40 0.06 0.49 0.24	0.39
09 29 00 00-0025 SF 5/8" Moisture Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i>	1.61 0.21 0.45 0.11 0.31 0.45 0.07 0.59 0.30	0.39
09 29 00 00-0026 Vinyl Faced Gypsum Board Application (09 29 00 00-0001) Note: All prefinished vinyl faced panels include, screws, edge grip clips and adhesive.		

09 Finishes**09 20 Plaster And Gypsum Board****09 29 Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0027	SF		3/8" Prefinished, Vinyl Faced Gypsum Board	2.42	0.30
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.17	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.34	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.23	
			<i>For Horizontal Installation >10' High, Add</i>	0.34	
			<i>For Walls >10' High, Add</i>	0.05	
			<i>For Up To 128, Add</i>	0.69	
			<i>For >128 To 320, Add</i>	0.34	
09 29 00 00-0028	SF		1/2" Prefinished, Vinyl Faced Gypsum Board	2.53	0.39
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.20	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.40	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.27	
			<i>For Horizontal Installation >10' High, Add</i>	0.40	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.74	
			<i>For >128 To 320, Add</i>	0.37	
09 29 00 00-0029	SF		5/8" Prefinished, Vinyl Faced Gypsum Board	2.64	0.45
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.45	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.31	
			<i>For Horizontal Installation >10' High, Add</i>	0.45	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.80	
			<i>For >128 To 320, Add</i>	0.40	
09 29 00 00-0030	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	2.94	0.39
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.44	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.30	
			<i>For Horizontal Installation >10' High, Add</i>	0.44	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.85	
			<i>For >128 To 320, Add</i>	0.42	
09 29 00 00-0031	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	4.51	0.45
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.26	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.50	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.34	
			<i>For Horizontal Installation >10' High, Add</i>	0.50	
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 128, Add</i>	1.20	
			<i>For >128 To 320, Add</i>	0.60	
09 29 00 00-0032			Moisture And Mold Resistant Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0033	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.46	0.38
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.19	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.40	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.27	
			<i>For Horizontal Installation >10' High, Add</i>	0.40	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.53	
			<i>For >128 To 320, Add</i>	0.26	
09 29 00 00-0034	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.72	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.45	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.31	
			<i>For Horizontal Installation >10' High, Add</i>	0.45	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.61	
			<i>For >128 To 320, Add</i>	0.31	
09 29 00 00-0035	SF		1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.74	0.38
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.21	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.44	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.30	
			<i>For Horizontal Installation >10' High, Add</i>	0.44	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.61	
			<i>For >128 To 320, Add</i>	0.30	
09 29 00 00-0036	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.93	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.24	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.50	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.34	
			<i>For Horizontal Installation >10' High, Add</i>	0.50	
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 128, Add</i>	0.68	
			<i>For >128 To 320, Add</i>	0.34	



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0037 Hi-Impact Gypsum Board <small>(09 29 00 00-0001)</small> Note: Abrasion, impact and penetration resistant.		
09 29 00 00-0038 SF 0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.20	0.43
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.45	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.45	
For Walls >10' High, Add	0.07	
For Up To 128, Add	0.71	
For >128 To 320, Add	0.36	
09 29 00 00-0039 SF 0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.58	0.43
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.45	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.45	
For Walls >10' High, Add	0.07	
For Up To 128, Add	0.79	
For >128 To 320, Add	0.39	
09 29 00 00-0040 SF 0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.96	0.43
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.45	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.45	
For Walls >10' High, Add	0.07	
For Up To 128, Add	0.86	
For >128 To 320, Add	0.43	
09 29 00 00-0041 SF 0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	5.23	0.43
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.25	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.45	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.45	
For Walls >10' High, Add	0.07	
For Up To 128, Add	1.32	
For >128 To 320, Add	0.66	
09 29 00 00-0042 Hi-Abuse Gypsum Board <small>(09 29 00 00-0001)</small> Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.		
09 29 00 00-0043 SF 5/8" Fire Rated, Hi-Abuse Gypsum Board.....	1.78	0.43
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.45	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.45	
For Walls >10' High, Add	0.07	
For Up To 128, Add	0.63	
For >128 To 320, Add	0.31	
09 29 00 00-0044 Soundproof Gypsum Board <small>(09 29 00 00-0001)</small> Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 00 00-0045 SF 1/2" Soundproof Gypsum Board.....	3.47	0.45
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.46	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.46	
For Walls >10' High, Add	0.07	
For Up To 128, Add	0.97	
For >128 To 320, Add	0.48	
09 29 00 00-0046 SF 5/8" Soundproof Gypsum Board.....	4.25	0.45
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.24	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.46	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.46	
For Walls >10' High, Add	0.07	
For Up To 128, Add	1.12	
For >128 To 320, Add	0.56	
09 29 00 00-0047 Shaft Wall <small>(09 29)</small> See CSI section 09 29 00 00-0054 for finishing drywall.		

09 Finishes

09 20 Plaster And Gypsum Board

09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0048	SF		3/4" Fire Rated Shaft Wall Assembly .....4.89		1.89
			Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.90	
			For Horizontal Installation Up To 10' High, Add	1.29	
			For Horizontal Installation >10' High, Add	1.90	
			For Walls >10' High, Add	0.30	
			For Up To 128, Add	2.12	
			For >128 To 320, Add	1.06	
09 29 00 00-0049	SF		7/8" Fire Rated Shaft Wall Assembly .....5.67		2.27
			Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	2.27	
			For Horizontal Installation Up To 10' High, Add	1.54	
			For Horizontal Installation >10' High, Add	2.27	
			For Walls >10' High, Add	0.36	
			For Up To 128, Add	2.50	
			For >128 To 320, Add	1.25	
09 29 00 00-0050	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaftwall Assembly.....5.16		1.46
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.46	
			For Horizontal Installation Up To 10' High, Add	0.99	
			For Horizontal Installation >10' High, Add	1.46	
			For Walls >10' High, Add	0.23	
			For Up To 128, Add	1.91	
			For >128 To 320, Add	0.95	
			For Glass Mat Surfaces, Add	0.24	
09 29 00 00-0051	SF		4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaftwall Assembly .....5.51		1.53
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.53	
			For Horizontal Installation Up To 10' High, Add	1.04	
			For Horizontal Installation >10' High, Add	1.53	
			For Walls >10' High, Add	0.24	
			For Up To 128, Add	2.02	
			For >128 To 320, Add	1.01	
			For Glass Mat Surfaces, Add	0.24	
09 29 00 00-0052	SF		2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaftwall Assembly.....6.08		1.53
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.53	
			For Horizontal Installation Up To 10' High, Add	1.04	
			For Horizontal Installation >10' High, Add	1.53	
			For Walls >10' High, Add	0.24	
			For Up To 128, Add	2.13	
			For >128 To 320, Add	1.07	
			For Glass Mat Surfaces, Add	0.24	
09 29 00 00-0053	SF		4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaftwall Assembly .....6.46		1.60
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.60	
			For Horizontal Installation Up To 10' High, Add	1.09	
			For Horizontal Installation >10' High, Add	1.60	
			For Walls >10' High, Add	0.26	
			For Up To 128, Add	2.25	
			For >128 To 320, Add	1.13	
			For Glass Mat Surfaces, Add	0.24	
09 29 00 00-0054			Finishing Gypsum Board Applications (09 29)		
			Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 00 00-0055			Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 00 00-0054)		
09 29 00 00-0056	SF		Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....0.55		
			For Up To 128, Add	0.21	
			For >128 To 320, Add	0.13	
			For ASTM C840 Level 1 Finish, Deduct	-0.26	
			For ASTM C840 Level 2 Finish, Deduct	-0.13	
			For ASTM C840 Level 3 Finish, Deduct	-0.05	
			For ASTM C840 Level 5 High Quality Finish, Add	0.41	
09 29 00 00-0057	SF		>10' High, Walls, Tape, Spackle And Finish Gypsum Board .....0.73		
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For Up To 128, Add	0.28	
			For >128 To 320, Add	0.18	
			For ASTM C840 Level 1 Finish, Deduct	-0.35	
			For ASTM C840 Level 2 Finish, Deduct	-0.18	
			For ASTM C840 Level 3 Finish, Deduct	-0.07	
			For ASTM C840 Level 5 High Quality Finish, Add	0.54	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0058				Finish Gypsum Board Ceilings, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		
09 29 00 00-0059	SF			Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.68	
				<i>For Up To 128, Add</i>	0.26	
				<i>For >128 To 320, Add</i>	0.16	
				<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.33	
				<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.16	
				<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.07	
				<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.50	
09 29 00 00-0060	SF			>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.86	
				Note: Use this task for the entire wall area when the wall is >10' high.		
				<i>For Up To 128, Add</i>	0.33	
				<i>For >128 To 320, Add</i>	0.21	
				<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.42	
				<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.21	
				<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.08	
				<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.64	
09 29 00 00-0061				Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		
				Note: Inside or outside gypsum board corners.		
09 29 00 00-0062	LF			Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.10	
				<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.51	
				<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.26	
				<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.10	
				<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.81	
09 29 00 00-0063	LF			>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.31	
				Note: Use this task for the entire wall area when the wall is >10' high.		
				<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.62	
				<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.31	
				<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.12	
				<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.96	
09 29 00 00-0064				Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		
				Note: Inside or outside gypsum board corners.		
09 29 00 00-0065	LF			Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.28	
				<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.60	
				<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.30	
				<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.12	
				<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.94	
09 29 00 00-0066	LF			>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.53	
				Note: Use this task for the entire wall area when the wall is >10' high.		
				<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.73	
				<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.36	
				<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.15	
				<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	1.13	
09 29 00 00-0067				Textured Finishes For Gypsum Board <small>(09 29 00 00-0054)</small>		
09 29 00 00-0068	SF			"Popcorn" Spray Applied, Finish On Existing Gypsum Board Ceiling	0.30	
09 29 00 00-0069	SF			Textured Finish On Existing Gypsum Board Ceiling.....	0.60	
				Note: For non spray applied textures.		
09 29 00 00-0070	SF			Spray Applied Orange Peel Finish On Existing Gypsum Board Wall.....	0.29	
09 29 00 00-0071	SF			Spray Applied Knockdown Or Skip Trowel Finish On Existing Gypsum Board Wall.....	0.37	
09 29 00 00-0072				Casing And Corner Beads <small>(09 29)</small>		
09 29 00 00-0073	LF			Casing, J-Bead For Gypsum Board	2.82	0.75
09 29 00 00-0074	LF			Corner Bead, Galvanized Metal For Gypsum Board.....	2.61	0.75
09 29 00 00-0075				Architectural Forms <small>(09 29)</small>		
09 29 00 00-0076	SF			1" Architectural Foam Forms For Gypsum Board Cover.....	3.38	
09 29 00 00-0077				Preformed Architectural Profiles <small>(09 29)</small>		
09 29 00 00-0078				Trim Reveals <small>(09 29 00 00-0077)</small>		
09 29 00 00-0079	LF			1/8" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.65	0.91
09 29 00 00-0080	LF			1/4" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.66	0.91
09 29 00 00-0081	LF			3/8" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.71	0.91
09 29 00 00-0082	LF			1/2" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.74	0.91
09 29 00 00-0083	LF			5/8" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.80	0.91
09 29 00 00-0084	LF			3/4" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.87	0.91
09 29 00 00-0085	LF			1" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.93	0.91
09 29 00 00-0086	LF			1-1/2" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	3.14	0.91
09 29 00 00-0087	LF			2" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin.....	3.34	0.91
09 29 00 00-0088	LF			1/8" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.77	0.99
09 29 00 00-0089	LF			1/4" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.77	0.99
09 29 00 00-0090	LF			3/8" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.91	0.99
09 29 00 00-0091	LF			1/2" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	2.94	0.99

09 Finishes**09 20 Plaster And Gypsum Board****09 29 Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0092	LF		5/8" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	3.03	0.99
09 29 00 00-0093	LF		3/4" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	3.07	0.99
09 29 00 00-0094	LF		1" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	3.12	0.99
09 29 00 00-0095	LF		1-1/2" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	3.35	0.99
09 29 00 00-0096	LF		2" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin.....	3.58	0.99
09 29 00 00-0097	LF		3" x 5/8", Soffforms Aluminum Extrusions, Trim Reveal.....	4.67	1.14
09 29 00 00-0098	LF		4" x 5/8", Soffforms Aluminum Extrusions, Trim Reveal.....	5.05	1.14
09 29 00 00-0099			Edge Trim (09 29 00 00-0077)		
09 29 00 00-0100	LF		1/2" Aluminum Extrusions, Edge Trim.....	2.55	0.95
09 29 00 00-0101	LF		5/8" Aluminum Extrusions, Edge Trim.....	2.66	0.95
09 29 00 00-0102	LF		1" Aluminum Extrusions, Edge Trim.....	3.04	1.05
09 29 00 00-0103	LF		1-1/4" Aluminum Extrusions, Edge Trim.....	3.21	1.14
09 29 00 00-0104	LF		1/2" Flexible Aluminum Extrusions, Edge Trim.....	3.83	0.95
09 29 00 00-0105	LF		5/8" Flexible Aluminum Extrusions, Edge Trim.....	3.93	0.95
09 29 00 00-0106	LF		1" Flexible Aluminum Extrusions, Edge Trim.....	4.32	1.05
09 29 00 00-0107	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim.....	4.49	1.14
09 29 00 00-0108			Bevel Trim (09 29 00 00-0077)		
09 29 00 00-0109	LF		5/16" x 1/4" Aluminum Extrusions, Bevel Trim.....	2.66	0.95
09 29 00 00-0110	LF		5/8" x 5/8" Aluminum Extrusions, Bevel Trim.....	3.01	1.05
09 29 00 00-0111			Trim/Wainscot Cap (09 29 00 00-0077)		
09 29 00 00-0112	LF		1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap, /LF.....	3.43	1.14
09 29 00 00-0113			Single Fin Wall/Trim Reveals (09 29 00 00-0077)		
09 29 00 00-0114	LF		1/8" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin.....	2.21	0.60
09 29 00 00-0115	LF		1/4" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin.....	2.33	0.68
09 29 00 00-0116	LF		3/8" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin.....	2.69	0.75
09 29 00 00-0117	LF		1/2" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin.....	2.89	0.84
09 29 00 00-0118	LF		5/8" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.06	0.91
09 29 00 00-0119	LF		3/4" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.10	0.91
09 29 00 00-0120	LF		1" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.21	0.91
09 29 00 00-0121	LF		1-1/2" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.43	0.91
09 29 00 00-0122	LF		2" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.51	0.91
09 29 00 00-0123	LF		1/8" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.03	0.99
09 29 00 00-0124	LF		1/4" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.06	0.99
09 29 00 00-0125	LF		3/8" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.20	0.99
09 29 00 00-0126	LF		1/2" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.26	0.99
09 29 00 00-0127	LF		5/8" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.31	0.99
09 29 00 00-0128	LF		3/4" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.37	0.99
09 29 00 00-0129	LF		1" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.46	0.99
09 29 00 00-0130	LF		1-1/2" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.69	0.99
09 29 00 00-0131	LF		2" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	3.89	0.99
09 29 00 00-0132	LF		3" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	4.50	0.99
09 29 00 00-0133	LF		4" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin.....	5.67	0.99
09 29 00 00-0134	LF		3-1/16" x 7/16", Aluminum Extrusions, Wall Base, Single Fin.....	4.27	0.99
09 29 00 00-0135	LF		3-1/16" x 9/16", Aluminum Extrusions, Wall Base, Single Fin.....	4.37	0.99
09 29 00 00-0136	LF		4-1/16" x 7/16", Aluminum Extrusions, Wall Base, Single Fin.....	4.72	0.99
09 29 00 00-0137	LF		4-1/16" x 9/16", Aluminum Extrusions, Wall Base, Single Fin.....	4.75	0.99
09 29 00 00-0138	LF		9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Wall Base with Reveal, Single Fin.....	5.25	0.99
09 29 00 00-0139	LF		5/8" Aluminum Extrusions, Wall/Trim Reveal Hanging Trim Reveal Hanging Track, Single Fin.....	4.51	0.99
09 29 00 00-0140			'V' Groove Wall Reveals (09 29 00 00-0077)		
09 29 00 00-0141	LF		1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal.....	3.91	1.36
09 29 00 00-0142	LF		3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal.....	4.52	1.51
09 29 00 00-0143	LF		1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal.....	5.17	1.81
09 29 00 00-0144	LF		9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal.....	5.40	1.96
09 29 00 00-0145			Double Fin Wall Reveals (09 29 00 00-0077)		
09 29 00 00-0146	LF		3/8" x 3/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.26	0.91
09 29 00 00-0147	LF		1/8" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.29	0.91
09 29 00 00-0148	LF		1/4" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.31	0.91
09 29 00 00-0149	LF		3/8" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.31	0.91
09 29 00 00-0150	LF		1/2" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.43	0.91
09 29 00 00-0151	LF		5/8" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.48	0.90
09 29 00 00-0152	LF		3/4" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.53	0.91
09 29 00 00-0153	LF		1" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.65	0.91
09 29 00 00-0154	LF		1-1/2" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.84	0.91
09 29 00 00-0155	LF		2" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	4.04	0.91
09 29 00 00-0156	LF		3/8" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.48	0.99
09 29 00 00-0157	LF		1/4" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.50	0.99
09 29 00 00-0158	LF		3/8" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.55	0.99
09 29 00 00-0159	LF		1/2" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.67	0.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 29 00 00-0160	LF		5/8" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.72	0.99
	09 29 00 00-0161	LF		3/4" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.76	0.99
	09 29 00 00-0162	LF		1" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	3.89	0.99
	09 29 00 00-0163	LF		1-1/2" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	4.09	0.99
	09 29 00 00-0164	LF		2" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	4.29	0.99
	09 29 00 00-0165	LF		3" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	4.84	0.99
	09 29 00 00-0166	LF		4" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin.....	5.99	0.99
	09 29 00 00-0167	LF		1-1/2" x 1" Aluminum Extrusions, Wall Reveal, Double Fin.....	5.59	1.08
	09 29 00 00-0168	LF		3/4" x 1 1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	6.47	1.31
	09 29 00 00-0169	LF		1-1/2" x 1-1/2" Aluminum Extrusions, Wall Reveal, Double Fin.....	6.64	1.31
	09 29 00 00-0170	LF		1/2", Aluminum Extrusions, Hanging Track Wall Reveal, Double Fin.....	5.01	0.90
	09 29 00 00-0171	LF		1 3/16", Aluminum Extrusions, Hanging Track Wall Reveal, Double Fin.....	5.18	1.31
	09 29 00 00-0172	LF		1/4" Aluminum Extrusions, Wall Covering Joiner, Double Fin.....	3.68	0.90
	09 29 00 00-0173			Special Conditions Reveals (09 29 00 00-0077)		
	09 29 00 00-0174			Radius Conditions (09 29 00 00-0173)		
	09 29 00 00-0175	EA		8' Long Inside Radius Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
	09 29 00 00-0176	EA		8' Long Outside Radius..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
	09 29 00 00-0177	EA		8' Long Circular / Arched Radius Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
	09 29 00 00-0178			Knee Brace Kit (09 29 00 00-0173)		
	09 29 00 00-0179	EA		46" H, Aluminum Extrusions, Knee Brace Kit	80.19	9.45
	09 29 00 00-0180			Wall Bumper Rail (09 29 00 00-0173)		
	09 29 00 00-0181	LF		2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail	13.94	3.78
	09 29 00 00-0182			Corners (09 29 00 00-0077)		
	09 29 00 00-0183	LF		1/2" R, Aluminum Extrusions, Outside Corner	3.10	0.91
	09 29 00 00-0184	LF		5/8" R, Aluminum Extrusions, Outside Corner	3.32	0.99
	09 29 00 00-0185	LF		3/4" R, Aluminum Extrusions, Outside Corner	3.61	1.03
	09 29 00 00-0186	LF		1" R, Aluminum Extrusions, Outside Corner	3.94	1.08
	09 29 00 00-0187	LF		1-1/2" R, Aluminum Extrusions, Outside Corner	4.80	1.31
	09 29 00 00-0188	LF		2" R, Aluminum Extrusions, Outside Corner	5.50	1.48
	09 29 00 00-0189	LF		2-1/2" R, Aluminum Extrusions, Outside Corner	6.56	1.69
	09 29 00 00-0190	LF		3" R, Aluminum Extrusions, Outside Corner	7.89	1.97
	09 29 00 00-0191	LF		4" R, Aluminum Extrusions, Outside Corner	10.74	2.63
	09 29 00 00-0192	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner	3.05	0.88
	09 29 00 00-0193	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner	5.13	1.18
	09 29 00 00-0194	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner	4.07	1.18
	09 29 00 00-0195	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal	6.25	1.18
	09 29 00 00-0196	LF		45 Degree 2" Aluminum Extrusions, Corner	8.64	1.48
	09 29 00 00-0197	LF		60 Degree 2" Aluminum Extrusions, Corner	8.36	1.48
	09 29 00 00-0198	LF		3/4" Aluminum Extrusions, Chamfered Corner	3.19	1.03
	09 29 00 00-0199	LF		5/8" R, Aluminum Extrusions, Corners Return.....	3.16	0.99
	09 29 00 00-0200	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step	3.08	0.91
	09 29 00 00-0201	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step	3.27	0.99
	09 29 00 00-0202	LF		1" x 1" Aluminum Extrusions, Double Corner Step	4.11	1.08
	09 29 00 00-0203	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step.....	3.58	0.91
	09 29 00 00-0204	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step.....	3.81	0.99
	09 29 00 00-0205	LF		1" x 1" Aluminum Extrusions, Triple Corner Step.....	5.15	1.08
	09 29 00 00-0206	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step.....	5.37	0.91
	09 29 00 00-0207	LF		3" Aluminum Extrusions, Bullnose.....	9.69	1.97
	09 29 00 00-0208	LF		3-7/8" Aluminum Extrusions, Bullnose.....	10.20	1.97
	09 29 00 00-0209	LF		5-3/8", Aluminum Extrusions, Bullnose.....	18.46	3.28
	09 29 00 00-0210	LF		7-3/8", Aluminum Extrusions, Bullnose.....	29.73	4.65
	09 29 00 00-0211	LF		3/4" R, Aluminum Extrusions, Inside Corner.....	3.62	1.01
	09 29 00 00-0212	LF		1" R, Aluminum Extrusions, Inside Corner.....	4.02	1.06
	09 29 00 00-0213	LF		1-1/2" R, Aluminum Extrusions, Inside Corner.....	4.86	1.30
	09 29 00 00-0214	LF		2" R, Aluminum Extrusions, Inside Corner.....	5.81	1.46
	09 29 00 00-0215	LF		2-1/2" R, Aluminum Extrusions, Inside Corner.....	7.77	1.66
	09 29 00 00-0216	LF		3" R, Aluminum Extrusions, Inside Corner.....	8.57	1.94
	09 29 00 00-0217	LF		4" R, Aluminum Extrusions, Inside Corner.....	10.18	2.59
	09 29 00 00-0218	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Caps.....	6.81	1.94
	09 29 00 00-0219	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Caps.....	6.88	1.94
	09 29 00 00-0220	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Caps.....	7.29	1.94
	09 29 00 00-0221	LF		5", Aluminum Extrusions, Aluminum Wall Caps.....	7.41	1.94

09 30 Tiling (09)

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs

09 Finishes**09 30 Tiling**

09 29 Gypsum Board

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

09 30 13 Ceramic Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling (09 30 13)

09 30 13 00-0002	SF	Less Than 8" x 8" Mounted Floor Tile.....	8.30	2.10
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	5.22	
		For >50 To 250, Add	0.84	
		For >1,000, Deduct	-0.42	
		For Epoxy Grout, Add	0.91	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 13 00-0003	SF	8" x 8" And Larger Unmounted Floor Tile.....	9.34	1.30
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	6.26	
		For >50 To 250, Add	1.05	
		For >1,000, Deduct	-0.52	
		For Epoxy Grout, Add	1.06	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 13 00-0004	SF	Mounted Floor Tile, Residential Grade.....	6.78	2.10
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	4.84	
		For >50 To 250, Add	0.84	
		For >1,000, Deduct	-0.42	
09 30 13 00-0005	SF	Less than 8" x 8" Mounted Wall Tile.....	9.18	2.54
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	6.10	
		For >50 To 250, Add	1.01	
		For >1,000, Deduct	-0.51	
		For Epoxy Grout, Add	1.04	
09 30 13 00-0006	SF	8" x 8" And Larger Unmounted Wall Tile.....	10.52	1.61
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	7.44	
		For >50 To 250, Add	1.28	
		For >1,000, Deduct	-0.64	
		For Epoxy Grout, Add	1.24	
09 30 13 00-0007	SF	Mounted Wall Tile, Residential Grade.....	7.66	2.54
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	5.72	
		For >50 To 250, Add	1.01	
		For >1,000, Deduct	-0.51	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceiling Tile.....	12.90	4.40
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	9.82	
		For >50 To 250, Add	1.76	
		For >1,000, Deduct	-0.88	
		For Chemical Resistant Epoxy Grout, Add	1.62	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceiling Tile.....	14.67	2.64
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	11.59	
		For >50 To 250, Add	2.11	
		For >1,000, Deduct	-1.06	
		For Chemical Resistant Epoxy Grout, Add	1.88	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim.....	11.43	1.83
		For Chemical Resistant Epoxy Grout, Add	1.30	

09 30 16 Quarry Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile.....	7.72	1.48
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	6.33	
		For >50 To 250, Add	1.17	
		For >1,000, Deduct	-0.59	
		For Epoxy Grout, Add	1.16	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile.....	13.47	1.48
		For Up To 50, Add	7.76	
		For >50 To 250, Add	1.17	
		For >1,000, Deduct	-0.59	
		For Epoxy Grout, Add	1.16	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile.....	8.90	1.74
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	7.51	
		For >50 To 250, Add	1.41	
		For >1,000, Deduct	-0.70	
		For Epoxy Grout, Add	1.34	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile.....	14.65	1.74



Finishes	09	09
Tiling	09 30	
Quarry Tiling	09 30 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<i>For Up To 50, Add</i>	8.94	
<i>For >50 To 250, Add</i>	1.41	
<i>For >1,000, Deduct</i>	-0.70	
<i>For Epoxy Grout, Add</i>	1.34	
09 30 16 00-0005 LF 6" High Unglazed Quarry Tile Cove Base Or Trim.....	10.65	1.94
<i>For Chemical Resistant Epoxy Grout, Add</i>	1.36	
09 30 16 00-0006 LF 6" High Glazed Quarry Tile Cove Base Or Trim	20.08	1.94
<i>For Chemical Resistant Epoxy Grout, Add</i>	1.36	
09 31 Thin-Set Tiling <small>(09 30)</small>		
<i>Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.</i>		
09 31 00 00-0001 SF Thin Set - Latex Portland Cement Mortar	1.22	0.69
<i>For Up To 50, Add</i>	1.09	
<i>For >50 To 250, Add</i>	0.21	
<i>For >1,000, Deduct</i>	-0.10	
09 31 00 00-0002 SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.67	
<i>For Up To 50, Add</i>	0.67	
<i>For >50 To 250, Add</i>	0.13	
<i>For >1,000, Deduct</i>	-0.07	
09 32 Mortar-Bed Tiling <small>(09 30)</small>		
<i>Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.</i>		
09 32 00 00-0001 SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed	3.35	1.40
<i>Note: For residential floors. Includes 15# felt and wire reinforcement.</i>		
<i>For Up To 50, Add</i>	2.41	
<i>For >50 To 250, Add</i>	0.42	
<i>For >1,000, Deduct</i>	-0.21	
<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 00 00-0002 SF 1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.66	1.87
<i>Note: For commercial floors. Includes 15# felt and wire reinforcement.</i>		
<i>For Up To 50, Add</i>	3.26	
<i>For >50 To 250, Add</i>	0.56	
<i>For >1,000, Deduct</i>	-0.28	
<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 00 00-0003 SF 3/4" Portland Cement Plaster Scratch Coat for Walls.....	9.58	4.19
<i>Note: Includes 15# felt and expanded metal lath.</i>		
<i>For Up To 50, Add</i>	8.67	
<i>For >50 To 250, Add</i>	1.67	
<i>For >1,000, Deduct</i>	-0.84	
<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
<i>For Installation Without Felt And Metal Lath, Deduct</i>	-1.81	
09 34 Waterproofing-Membrane Tiling <small>(09 30)</small>		
09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds <small>(09 34)</small>		
09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) <small>(09 34 00 00-0001)</small>		
<i>Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.</i>		
09 34 00 00-0003 EA 48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	752.71	
09 34 00 00-0004 EA 32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	861.00	
09 34 00 00-0005 EA 72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,258.73	
09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps <small>(09 34 00 00-0001)</small>		
<i>Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.</i>		
09 34 00 00-0007 EA 15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	91.60	
09 34 00 00-0008 EA 4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	86.04	
09 34 00 00-0009 Prefabricated Polystyrene Shower Benches <small>(09 34 00 00-0001)</small>		
<i>Note: Prefabricated shower bench for tiling over. Excludes tile.</i>		
09 34 00 00-0010 EA 16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	175.15	
09 34 00 00-0011 EA 32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	346.23	
09 34 00 00-0012 EA 48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	426.06	
09 34 00 00-0013 EA 32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	312.01	
09 34 00 00-0014 EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	346.23	
09 34 00 00-0015 EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	369.04	
09 34 00 00-0016 Prefabricated Polystyrene Shower Tray <small>(09 34 00 00-0001)</small>		
<i>Note: Prefabricated shower tray for tiling over. Excludes tile.</i>		
09 34 00 00-0017 EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	154.33	
09 34 00 00-0018 EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	154.33	
09 34 00 00-0019 EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	234.16	
09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) <small>(09 34 00 00-0001)</small>		

09 Finishes**09 30 Tiling****09 34 Waterproofing-Membrane Tiling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0021	SF		1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	2.79	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	3.19	
09 34 00 00-0023			Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)		
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	2.49	
09 34 00 00-0025			Edge Protection And Transition Profiles For Tile (09 34 00 00-0001)		
09 34 00 00-0026	LF		Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.60	
09 34 00 00-0027	LF		Aluminum Transition Trim For Tile (Schluter® RENO).....	2.47	
09 35			Chemical-Resistant Tiling (09 30)		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.					
09 35 00 00-0001	SF		Thin Set - Epoxy Mortar.....	3.34	0.91
Note: Impact and chemical resistant.					
For Up To 50, Add				1.89	
For >50 To 250, Add				0.28	
For >1,000, Deduct				-0.14	
09 50			Ceilings (09)		
Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.					
09 51			Acoustical Ceilings (09 50)		
Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.					
09 51 13			Acoustical Panel Ceilings (09 51)		
Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.					
09 51 13 00-0001			Fiberglass Panels (09 51 13)		
09 51 13 00-0002			Fiberglass Acoustical Panels (09 51 13 00-0001)		
09 51 13 00-0003	SF		2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.64	0.38
For Recessed Edge, Add				0.35	
For Fire Rated Panels, Add				0.52	
For Up To 50, Add				0.59	
For >50 To 200, Add				0.34	
For >200 To 500, Add				0.13	
For >2,500 To 4,000, Deduct				-0.04	
For >4,000 To 5,000, Deduct				-0.07	
For >5,000, Deduct				-0.12	
For Individual Room Quantities <495, Add				0.17	
Note: For use with projects >500 SF					
For Acid Resistive, Add				2.50	
For Black Ceiling Tiles, Add				0.43	
For Ceilings >10' High, Add				0.06	
For Concealed Spline Panels, Add				0.29	
09 51 13 00-0004	SF		2' x 4' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.62	0.38
For Recessed Edge, Add				0.35	
For Fire Rated Panels, Add				0.52	
For Up To 50, Add				0.58	
For >50 To 200, Add				0.33	
For >200 To 500, Add				0.12	
For >2,500 To 4,000, Deduct				-0.04	
For >4,000 To 5,000, Deduct				-0.07	
For >5,000, Deduct				-0.12	
For Individual Room Quantities <495, Add				0.17	
Note: For use with projects >500 SF					
For Acid Resistive, Add				2.50	
For Black Ceiling Tiles, Add				0.43	
For Ceilings >10' High, Add				0.06	
For Concealed Spline Panels, Add				0.29	
09 51 13 00-0005	SF		2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.24	0.38
For Recessed Edge, Add				0.35	
For Fire Rated Panels, Add				0.52	
For Up To 50, Add				0.83	
For >50 To 200, Add				0.50	
For >200 To 500, Add				0.21	
For >2,500 To 4,000, Deduct				-0.07	
For >4,000 To 5,000, Deduct				-0.11	
For >5,000, Deduct				-0.18	
For Individual Room Quantities <495, Add				0.25	
Note: For use with projects >500 SF					
For Acid Resistive, Add				2.50	
For Black Ceiling Tiles, Add				1.31	
For Ceilings >10' High, Add				0.06	
For Concealed Spline Panels, Add				0.45	



Finishes	09	
Ceilings	09 50	09
Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0006	SF		2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.24	0.38
			<i>For Recessed Edge, Add</i>	0.35	
			<i>For Fire Rated Panels, Add</i>	0.52	
			<i>For Up To 50, Add</i>	0.83	
			<i>For >50 To 200, Add</i>	0.50	
			<i>For >200 To 500, Add</i>	0.21	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000, Deduct</i>	-0.18	
			<i>For Individual Room Quantities <495, Add</i>	0.25	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Black Ceiling Tiles, Add</i>	1.31	
			<i>For Ceilings >10' High, Add</i>	0.06	
			<i>For Concealed Spline Panels, Add</i>	0.45	
09 51 13 00-0007	SF		2' x 2' x 1" Fiberglass Acoustical Ceiling Panel.....	3.44	0.45
			<i>For Recessed Edge, Add</i>	0.35	
			<i>For Fire Rated Panels, Add</i>	0.52	
			<i>For Up To 50, Add</i>	0.86	
			<i>For >50 To 200, Add</i>	0.52	
			<i>For >200 To 500, Add</i>	0.22	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000, Deduct</i>	-0.19	
			<i>For Individual Room Quantities <495, Add</i>	0.26	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Ceilings >10' High, Add</i>	0.06	
			<i>For Concealed Spline Panels, Add</i>	0.47	
09 51 13 00-0008	SF		2' x 4' x 1" Fiberglass Acoustical Ceiling Panel.....	3.44	0.45
			<i>For Recessed Edge, Add</i>	0.35	
			<i>For Fire Rated Panels, Add</i>	0.52	
			<i>For Up To 50, Add</i>	0.86	
			<i>For >50 To 200, Add</i>	0.52	
			<i>For >200 To 500, Add</i>	0.22	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000, Deduct</i>	-0.19	
			<i>For Individual Room Quantities <495, Add</i>	0.26	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Ceilings >10' High, Add</i>	0.06	
			<i>For Concealed Spline Panels, Add</i>	0.47	
09 51 13 00-0009			Glass Cloth Faced Fiberglass Panels (09 51 13 00-0001)		
09 51 13 00-0010	SF		3/4" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	2.74	0.45
			<i>For Fire Rated Panels, Add</i>	0.57	
			<i>For Up To 50, Add</i>	0.84	
			<i>For >50 To 200, Add</i>	0.49	
			<i>For >200 To 500, Add</i>	0.19	
			<i>For >2,500 To 4,000, Deduct</i>	-0.06	
			<i>For >4,000 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000, Deduct</i>	-0.17	
			<i>For Individual Room Quantities <495, Add</i>	0.25	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0011	SF		1" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	2.95	0.45
			<i>For Fire Rated Panels, Add</i>	0.57	
			<i>For Up To 50, Add</i>	0.87	
			<i>For >50 To 200, Add</i>	0.51	
			<i>For >200 To 500, Add</i>	0.20	
			<i>For >2,500 To 4,000, Deduct</i>	-0.06	
			<i>For >4,000 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000, Deduct</i>	-0.18	
			<i>For Individual Room Quantities <495, Add</i>	0.26	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0012	SF		1-1/2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	4.11	0.75
			<i>For Fire Rated Panels, Add</i>	0.63	
			<i>For Up To 50, Add</i>	1.18	
			<i>For >50 To 200, Add</i>	0.70	
			<i>For >200 To 500, Add</i>	0.28	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.25	
			<i>For Individual Room Quantities <495, Add</i>	0.35	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Ceilings >10' High, Add</i>	0.11	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0013	SF		2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	5.11	0.75
			For Fire Rated Panels, Add	0.63	
			For Up To 50, Add	1.33	
			For >50 To 200, Add	0.80	
			For >200 To 500, Add	0.33	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.40	
			Note: For use with projects >500 SF		
			For Acid Resistant, Add	2.50	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0014			Mineral Fiber Panels (09 51 13)		
09 51 13 00-0015			Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0014)		
09 51 13 00-0016	SF		1' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	1.95	0.45
			For Vinyl Faced Panels, Add	1.08	
			For Fire Rated Panels, Add	0.54	
			For Moisture Resistant Panels, Add	1.08	
			For Up To 50, Add	0.67	
			For >50 To 200, Add	0.39	
			For >200 To 500, Add	0.15	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.08	
			For >5,000, Deduct	-0.14	
			For Individual Room Quantities <495, Add	0.19	
			Note: For use with projects >500 SF		
			For Acid Resistant, Add	2.50	
			For Rough Texture, Add	0.13	
			For Integrated Wood Trim, Add	7.63	
			For Vertical Application, Add	0.43	
			For Single Angled Tegular Edge (Reveal), Add	0.55	
			For Ceilings >10' High, Add	0.07	
			For Concealed Spline Panels, Add	0.34	
09 51 13 00-0017	SF		2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.38	0.45
			For Vinyl Faced Panels, Add	1.05	
			For Fire Rated Panels, Add	0.52	
			For Vinyl-Coated Aluminum Foil Surfaced, Add	1.33	
			For Moisture Resistant Panels, Add	1.05	
			For Up To 50, Add	0.55	
			For >50 To 200, Add	0.31	
			For >200 To 500, Add	0.11	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.11	
			For Individual Room Quantities <495, Add	0.16	
			Note: For use with projects >500 SF		
			For Acid Resistant, Add	2.50	
			For Rough Texture, Add	0.07	
			For Integrated Wood Trim, Add	7.57	
			For Vertical Application, Add	0.39	
			For Single Angled Tegular Edge (Reveal), Add	0.32	
			For Black Ceiling Tiles, Add	0.29	
			For Ceilings >10' High, Add	0.06	
			For Concealed Spline Panels, Add	0.27	
09 51 13 00-0018	SF		2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.01	0.45
			For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
			For Vinyl Faced Panels, Add	1.05	
			For Fire Rated Panels, Add	0.52	
			For Moisture Resistant Panels, Add	1.05	
			For Up To 50, Add	0.65	
			For >50 To 200, Add	0.37	
			For >200 To 500, Add	0.14	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.08	
			For >5,000, Deduct	-0.13	
			For Individual Room Quantities <495, Add	0.19	
			Note: For use with projects >500 SF		
			For Integrated Wood Trim, Add	7.82	
			For Acid Resistant, Add	2.50	
			For Rough Texture, Add	0.14	
			For Vertical Application, Add	0.39	
			For Single Angled Tegular Edge (Reveal), Add	0.60	
			For Scored Acoustical Tile, Add	0.25	
			For Black Ceiling Tiles, Add	0.63	
			For Ceilings >10' High, Add	0.06	
			For Concealed Spline Panels, Add	0.33	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0019 SF 2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.36	0.45
For Vinyl Faced Panels, Add	1.04	
For Fire Rated Panels, Add	0.52	
For Vinyl-Coated Aluminum Foil Surfaced, Add	1.33	
For Moisture Resistant Panels, Add	1.04	
For Up To 50, Add	0.54	
For >50 To 200, Add	0.30	
For >200 To 500, Add	0.11	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.06	
For >5,000, Deduct	-0.10	
For Individual Room Quantities <495, Add	0.15	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.05	
For Acid Resistant, Add	2.50	
For Rough Texture, Add	0.07	
For Vertical Application, Add	0.38	
For Single Angled Tegular Edge (Reveal), Add	0.32	
For Black Ceiling Tiles, Add	0.29	
For Ceilings >10' High, Add	0.06	
For Concealed Spline Panels, Add	0.26	
09 51 13 00-0020 SF 2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	1.99	0.45
For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
For Vinyl Faced Panels, Add	1.04	
For Fire Rated Panels, Add	0.52	
For Moisture Resistant Panels, Add	1.04	
For Up To 50, Add	0.63	
For >50 To 200, Add	0.37	
For >200 To 500, Add	0.14	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.13	
For Individual Room Quantities <495, Add	0.18	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.30	
For Acid Resistant, Add	2.50	
For Rough Texture, Add	0.14	
For Vertical Application, Add	0.38	
For Single Angled Tegular Edge (Reveal), Add	0.60	
For Scored Acoustical Tile, Add	0.25	
For Black Ceiling Tiles, Add	0.63	
For Ceilings >10' High, Add	0.06	
For Concealed Spline Panels, Add	0.33	
09 51 13 00-0021 SF 2' x 5' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.35	0.45
For Vinyl Faced Panels, Add	1.04	
For Fire Rated Panels, Add	0.52	
For Moisture Resistant Panels, Add	1.04	
For Up To 50, Add	0.53	
For >50 To 200, Add	0.30	
For >200 To 500, Add	0.11	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.06	
For >5,000, Deduct	-0.10	
For Individual Room Quantities <495, Add	0.15	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.30	
For Acid Resistant, Add	2.50	
For Rough Texture, Add	0.07	
For Vertical Application, Add	0.37	
For Single Angled Tegular Edge (Reveal), Add	0.32	
For Ceilings >10' High, Add	0.06	
For Concealed Spline Panels, Add	0.26	
09 51 13 00-0022 Wood Fiber Panels (09 51 13)		
09 51 13 00-0023 SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	2.59	0.60
For Up To 50, Add	0.93	
For >50 To 200, Add	0.53	
For >200 To 500, Add	0.20	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.18	
For Individual Room Quantities <495, Add	0.26	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.10	
For Concealed Spline Panels, Add	0.46	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0024	SF		2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	2.45	0.53
			For Up To 50, Add	0.85	
			For >50 To 200, Add	0.49	
			For >200 To 500, Add	0.18	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.17	
			For Individual Room Quantities <495, Add	0.24	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.09	
			For Concealed Spline Panels, Add	0.43	
09 51 13 00-0025	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.15	0.60
			For Up To 50, Add	1.01	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.29	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.10	
			For Concealed Spline Panels, Add	0.52	
09 51 13 00-0026	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.01	0.53
			For Up To 50, Add	0.94	
			For >50 To 200, Add	0.54	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.19	
			For Individual Room Quantities <495, Add	0.27	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.09	
			For Concealed Spline Panels, Add	0.48	
09 51 13 00-0027	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	3.69	0.60
			For Up To 50, Add	1.09	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.23	
			For Individual Room Quantities <495, Add	0.32	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.10	
			For Concealed Spline Panels, Add	0.57	
09 51 13 00-0028	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	3.55	0.53
			For Up To 50, Add	1.02	
			For >50 To 200, Add	0.60	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.30	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.09	
			For Concealed Spline Panels, Add	0.54	
09 51 13 00-0029	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	2.92	0.60
			For Up To 50, Add	0.98	
			For >50 To 200, Add	0.56	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.20	
			For Individual Room Quantities <495, Add	0.28	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.10	
			For Concealed Spline Panels, Add	0.49	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0030 SF 2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels.....	2.78	0.53
For Up To 50, Add	0.90	
For >50 To 200, Add	0.52	
For >200 To 500, Add	0.20	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.18	
For Individual Room Quantities <495, Add	0.26	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.09	
For Concealed Spline Panels, Add	0.46	
09 51 13 00-0031 Air Distributing Panels (09 51 13)		
09 51 13 00-0032 SF 3/4" Thick, Air Distribution Acoustical Ceiling Panels.....	5.34	1.14
For Up To 50, Add	1.81	
For >50 To 200, Add	1.04	
For >200 To 500, Add	0.39	
For >2,500 To 4,000, Deduct	-0.12	
For >4,000 To 5,000, Deduct	-0.21	
For >5,000, Deduct	-0.36	
For Individual Room Quantities <495, Add	0.52	
Note: For use with projects >500 SF		
For Air Control Slides, Add	0.12	
For Ceilings >10' High, Add	0.19	
09 51 13 00-0033 SF 5/8" Thick, Air Distribution Acoustical Ceiling Panels.....	3.36	0.84
For Up To 50, Add	1.26	
For >50 To 200, Add	0.71	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.36	
Note: For use with projects >500 SF		
For Air Control Slides, Add	0.12	
For Ceilings >10' High, Add	0.14	
09 51 13 00-0034 Removal and Reinstallation Of Acoustical Ceiling Panels (09 51 13)		
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0035 SF Remove And Reinstall Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	1.11	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0036 SF Remove And Reinstall Acoustical Panels Only.....	0.72	
For Ceilings >10' High, Add	0.05	
09 51 13 00-0037 SF Remove And Reinstall Grid System Only	0.67	
For Ceilings >10' High, Add	0.05	
09 51 23 Acoustical Tile Ceilings (09 51)		
Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002 SF 12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	3.45	0.84
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.27	
For >50 To 200, Add	0.72	
For >200 To 500, Add	0.27	
For >2,500, Deduct	-0.17	
For Ceilings >10' High, Add	0.14	
09 51 23 00-0003 SF 12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	4.03	0.84
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.36	
For >50 To 200, Add	0.78	
For >200 To 500, Add	0.30	
For >2,500, Deduct	-0.20	
For No Adhesive (Suspended Ceiling System), Deduct	-0.25	
For Ceilings >10' High, Add	0.14	
09 51 23 00-0004 SF 12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	4.49	0.84
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.43	
For >50 To 200, Add	0.83	
For >200 To 500, Add	0.32	
For >2,500, Deduct	-0.22	
For No Adhesive (Suspended Ceiling System), Deduct	-0.25	
For Ceilings >10' High, Add	0.14	
09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings (09 51 23)		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0006	SF		12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	3.20	0.84
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.24	
			<i>For >50 To 200, Add</i>	0.70	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500, Deduct</i>	-0.16	
			<i>For Ceilings >10' High, Add</i>	0.14	
09 51 33 Acoustical Metal Pan Ceilings (09 51)					
09 51 33 00-0001			Metal Pan Units, 24 GA Steel (09 51.33)		
			Note: Excludes pads.		
09 51 33 00-0002	SF		12" x 12" - 24 Gauge, Acoustical Metal Pan Units	18.51	0.99
			<i>For Up To 50, Add</i>	3.64	
			<i>For >50 To 200, Add</i>	2.28	
			<i>For >200 To 500, Add</i>	1.03	
			<i>For >2,500, Deduct</i>	-0.93	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 33 00-0003	SF		12" x 24" - 24 Gauge, Acoustical Metal Pan Units	19.69	0.99
			<i>For Up To 50, Add</i>	3.82	
			<i>For >50 To 200, Add</i>	2.40	
			<i>For >200 To 500, Add</i>	1.09	
			<i>For >2,500, Deduct</i>	-0.98	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 33 00-0004	SF		12" x 12" - 0.025" Thick, Acoustical Aluminum Pan	9.22	0.99
			<i>For Up To 50, Add</i>	2.25	
			<i>For >50 To 200, Add</i>	1.35	
			<i>For >200 To 500, Add</i>	0.57	
			<i>For >2,500, Deduct</i>	-0.46	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 33 00-0005	SF		12" x 24" - 0.025" Thick, Acoustical Aluminum Pan	9.95	0.99
			<i>For Up To 50, Add</i>	2.36	
			<i>For >50 To 200, Add</i>	1.43	
			<i>For >200 To 500, Add</i>	0.61	
			<i>For >2,500, Deduct</i>	-0.50	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 33 00-0006	SF		12" x 12" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	13.49	0.99
			<i>For Up To 50, Add</i>	2.89	
			<i>For >50 To 200, Add</i>	1.78	
			<i>For >200 To 500, Add</i>	0.78	
			<i>For >2,500, Deduct</i>	-0.67	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 33 00-0007	SF		12" x 24" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	9.77	0.99
			<i>For Up To 50, Add</i>	2.33	
			<i>For >50 To 200, Add</i>	1.41	
			<i>For >200 To 500, Add</i>	0.60	
			<i>For >2,500, Deduct</i>	-0.49	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 33 00-0008	SF		12" x 12" - 24 Gauge, Stainless Steel Acoustical Pan Units	34.32	0.99
			<i>For Up To 50, Add</i>	6.01	
			<i>For >50 To 200, Add</i>	3.86	
			<i>For >200 To 500, Add</i>	1.82	
			<i>For >2,500, Deduct</i>	-1.72	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 33 00-0009	SF		12" x 24" - 24 Gauge, Stainless Steel Acoustical Pan Units	19.30	0.99
			<i>For Up To 50, Add</i>	3.76	
			<i>For >50 To 200, Add</i>	2.36	
			<i>For >200 To 500, Add</i>	1.07	
			<i>For >2,500, Deduct</i>	-0.97	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 53 Acoustical Ceiling Suspension Assemblies (09 50)					
09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)					
09 53 23 00-0001			Ceiling Suspension Systems (09 53.23)		
			Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from structural steel, wood or metal deck, wood members or concrete deck above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.		
09 53 23 00-0002	SF		12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System	3.51	0.38
			Note: Excludes ceiling tile.		
			<i>For Vertical Application, Add</i>	2.02	
			<i>For Individual Room Quantities <495, Add</i>	0.41	
			Note: For use with projects >500 SF		
			<i>For Compression Struts With Splay Wires, Add</i>	0.40	
			<i>For Up To 50, Add</i>	1.45	
			<i>For >50 To 200, Add</i>	0.81	
			<i>For >200 To 500, Add</i>	0.29	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.22	
			<i>For Ceilings >10' High, Add</i>	0.17	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003 SF 1' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.90	0.38
For UL Listed (Fire Guard), Add	0.14	
For 1-1/2" Wide Faced Grid, Add	0.25	
For Vertical Application, Add	1.75	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.23	
For Individual Room Quantities <495, Add	0.35	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.41	
For Compression Struts With Splay Wires, Add	0.33	
For Up To 50, Add	1.24	
For >50 To 200, Add	0.69	
For >200 To 500, Add	0.25	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.19	
For Ceilings >10' High, Add	0.15	
09 53 23 00-0004 SF 2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.37	0.38
For UL Listed (Fire Guard), Add	0.09	
For 1-1/2" Wide Faced Grid, Add	0.18	
For Vertical Application, Add	1.52	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.16	
For Individual Room Quantities <495, Add	0.29	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.28	
For Compression Struts With Splay Wires, Add	0.26	
For Up To 50, Add	1.05	
For >50 To 200, Add	0.59	
For >200 To 500, Add	0.21	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.16	
For Black Grid, Add	0.08	
For Ceilings >10' High, Add	0.13	
For Concealed Spline Grid, Add	0.33	
09 53 23 00-0005 SF 2' x 4' Grid, 15/16" T Bar Ceiling Suspension System	2.01	0.38
For UL Listed (Fire Guard), Add	0.08	
For 1-1/2" Wide Faced Grid, Add	0.14	
For Vertical Application, Add	1.51	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.13	
For Individual Room Quantities <495, Add	0.25	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.23	
For Compression Struts With Splay Wires, Add	0.22	
For Up To 50, Add	0.91	
For >50 To 200, Add	0.50	
For >200 To 500, Add	0.18	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.13	
For Black Grid, Add	0.06	
For Ceilings >10' High, Add	0.11	
For Concealed Spline Grid, Add	0.28	
09 53 23 00-0006 SF 2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	1.94	0.38
For UL Listed (Fire Guard), Add	0.08	
For 1-1/2" Wide Faced Grid, Add	0.16	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.14	
For Individual Room Quantities <495, Add	0.24	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.25	
For Compression Struts With Splay Wires, Add	0.22	
For Up To 50, Add	0.84	
For >50 To 200, Add	0.47	
For >200 To 500, Add	0.17	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.13	
For Ceilings >10' High, Add	0.10	
09 53 23 00-0007 SF 2', 15/16" Suspended Ceiling Cross Tee	0.57	0.22
Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
For 1-1/2" Wide Faced Grid, Add	0.04	
For Vertical Application, Add	0.44	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.03	
For Individual Room Quantities <495, Add	0.07	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.06	
For Up To 50, Add	0.26	
For >50 To 200, Add	0.15	
For >200 To 500, Add	0.05	
For >2,500 To 4,000, Deduct	-0.01	
For >4,000 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.04	
For Ceilings >10' High, Add	0.03	

09 Finishes**09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 53 23 00-0008	Ceiling Suspension System Accessories <small>(09 53 23)</small>		
09 53 23 00-0009	LF For Pencil Rod Support With Accessories And Attachments (Seismic Control Or Where Required).....	0.84	
09 53 23 00-0010	LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling.....	2.27	1.06
	<i>For 316 Stainless Steel, Add</i>	2.18	
	<i>For Aluminum, Add</i>	0.12	
	<i>For Galvanized Steel, Add</i>	0.42	
	<i>For 304 Stainless Steel, Add</i>	1.94	
09 53 23 00-0011	LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	3.24	1.14
09 53 23 00-0012	LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling.....	4.59	1.21

09 54 Specialty Ceilings (09 50)**09 54 23 Linear Metal Ceilings** (09 54)**09 54 23 00-0001 Linear Ceiling Systems** (09 54 23)**09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems** (09 54 23 00-0001)

Note: For flat ceilings. Includes round or box style panels with KYNAR 5000® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	11.65	1.58
	<i>For Up To 50, Add</i>	3.26	
	<i>For >50 To 200, Add</i>	1.92	
	<i>For >200 To 500, Add</i>	0.77	
	<i>For >2,500, Deduct</i>	-0.58	
	<i>For Ceilings >10' High, Add</i>	0.28	
	<i>For Linear Ceiling Systems Without Filler Strips, Deduct</i>	-1.95	
	<i>For Curved Ceilings, Add</i>	0.98	
09 54 23 00-0004	SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	9.55	1.58
	<i>For Up To 50, Add</i>	2.92	
	<i>For >50 To 200, Add</i>	1.70	
	<i>For >200 To 500, Add</i>	0.66	
	<i>For >2,500, Deduct</i>	-0.48	
	<i>For Ceilings >10' High, Add</i>	0.28	
	<i>For Linear Ceiling Systems Without Filler Strips, Deduct</i>	-0.96	
	<i>For Curved Ceilings, Add</i>	0.97	
09 54 23 00-0005	SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	8.73	1.58
	<i>For Up To 50, Add</i>	2.76	
	<i>For >50 To 200, Add</i>	1.60	
	<i>For >200 To 500, Add</i>	0.62	
	<i>For >2,500, Deduct</i>	-0.44	
	<i>For Ceilings >10' High, Add</i>	0.27	
	<i>For Linear Ceiling Systems Without Filler Strips, Deduct</i>	-0.65	
	<i>For Curved Ceilings, Add</i>	0.95	

09 54 23 00-0006 Tin Ceilings (09 54 23)

09 54 23 00-0007	SF 2' x 2' Tin Ceiling Embossed Panels.....	11.70	2.45
	<i>For Up To 50, Add</i>	2.94	
	<i>For >50 To 200, Add</i>	1.76	
	<i>For >200 To 500, Add</i>	0.73	
	<i>For >2,500, Deduct</i>	-0.59	
	<i>For Ceilings >10' High, Add</i>	0.22	
09 54 23 00-0008	SF 12" x 12" Tin Ceiling Embossed Plates.....	17.05	1.58
	<i>For Up To 50, Add</i>	3.80	
	<i>For >50 To 200, Add</i>	2.33	
	<i>For >200 To 500, Add</i>	1.01	
	<i>For >2,500, Deduct</i>	-0.85	
	<i>For Ceilings >10' High, Add</i>	0.23	
09 54 23 00-0009	SF 12" x 24" Tin Ceiling Embossed Plates.....	12.62	1.58
	<i>For Up To 50, Add</i>	3.14	
	<i>For >50 To 200, Add</i>	1.88	
	<i>For >200 To 500, Add</i>	0.79	
	<i>For >2,500, Deduct</i>	-0.63	
	<i>For Ceilings >10' High, Add</i>	0.23	
09 54 23 00-0010	SF 24" x 24" Tin Ceiling Embossed Plates.....	11.59	1.58
	<i>For Up To 50, Add</i>	2.89	
	<i>For >50 To 200, Add</i>	1.73	
	<i>For >200 To 500, Add</i>	0.72	
	<i>For >2,500, Deduct</i>	-0.58	
	<i>For Ceilings >10' High, Add</i>	0.22	
09 54 23 00-0011	SF 24" x 48" Tin Ceiling Embossed Plates.....	10.12	1.19
	<i>For Up To 50, Add</i>	2.52	
	<i>For >50 To 200, Add</i>	1.51	
	<i>For >200 To 500, Add</i>	0.63	
	<i>For >2,500, Deduct</i>	-0.51	
	<i>For Ceilings >10' High, Add</i>	0.19	
09 54 23 00-0012	LF 3" Or 4" Wide Embossed Molding.....	8.46	2.37
	<i>For Ceilings >10' High, Add</i>	0.35	
09 54 23 00-0013	LF 6" Wide Embossed Molding.....	10.46	2.76
	<i>For Ceilings >10' High, Add</i>	0.39	
09 54 23 00-0014	LF 12" Wide Embossed Molding.....	13.95	3.23
	<i>For Ceilings >10' High, Add</i>	0.49	



Finishes	09	09
Ceilings	09 50	
Specialty Ceilings	09 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0015 EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell..... <i>For Ceilings >10' High, Add</i>	24.78 1.10	7.50
09 54 23 00-0016 EA 12" Wide Embossed Cross, Tee Or Ell..... <i>For Ceilings >10' High, Add</i>	33.81 1.32	8.76
09 57 Special Function Ceilings (09 50)		
09 57 00 00-0001 High Impact Ceiling Systems (09 57)		
09 57 00 00-0002 SF Polyvinyl Chloride Face High Impact Ceiling Panels <i>For Ceilings >10' High, Add</i>	3.90 0.09	0.75
09 57 00 00-0003 SF High Impact Clips..... <i>For Ceilings >10' High, Add</i>	1.65 0.07	0.60
09 60 Flooring (09)		
09 61 Flooring Treatment (09 60)		
09 61 36 Static-Resistant Flooring Treatment (09 61)		
09 61 36 00-0001 Static-Control Resilient Floor Coverings (09 61 36) Note: Includes mastic.		
09 61 36 00-0002 Conductive Resilient Floor Covering (09 61 36 00-0001)		
09 61 36 00-0003 SF 12" x 12" Static-Dissipative Or Conductive Vinyl Floor Tile..... <i>For Heat Welded Seams, Add</i>	7.19 7.09	1.21
09 61 36 00-0004 SF 24" x 24" Static-Dissipative Or Conductive Vinyl Floor Tile..... <i>For Heat Welded Seams, Add</i>	7.37 6.01	1.05
09 61 36 00-0005 SF 36" x 36" Static-Dissipative Or Conductive Vinyl Floor Tile..... <i>For Heat Welded Seams, Add</i>	7.68 5.22	0.89
09 61 36 00-0006 SF 24" x 24" Static-Dissipative Or Conductive Rubber Floor Tile..... <i>For Heat Welded Seams, Add</i>	5.49 6.01	1.05
09 63 Masonry Flooring (09 60)		
09 63 13 Brick Flooring (09 63)		
09 63 13 00-0001 Clay Bricks (09 63 13)		
09 63 13 00-0002 SF 2-1/4" Thick Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	18.48 1.54 2.05 4.29	7.20
09 63 13 00-0003 SF 3" Thick Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	20.52 1.54 2.05 4.29	7.20
09 63 13 00-0004 SF 1/2" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	12.73 1.54 2.05 4.29	7.20
09 63 13 00-0005 SF 1/2" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	14.58 1.54 2.05 4.29	7.20
09 63 13 00-0006 SF 3/4" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	13.56 1.54 2.05 4.29	7.20
09 63 13 00-0007 SF 3/4" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	16.01 1.54 2.05 4.29	7.20
09 63 13 00-0008 SF 15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	14.36 1.54 2.05 4.29	7.20
09 63 13 00-0009 SF 15/16" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	17.46 1.54 2.05 4.29	7.20
09 63 43 Composition Stone Flooring (09 63)		
09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System (09 63 43) Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002 SF 3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	11.02	4.02
09 64 Wood Flooring (09 60)		
09 64 13 Wood Flooring Underlayment (09 64)		

09	09 Finishes
	09 60 Flooring
	09 64 Wood Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 64 13 00-0001	Wood Flooring Underlayment <small>(09 64 13)</small>		
09 64 13 00-0002	SF Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.36	
09 64 13 00-0003	SF 30 LB, Waxed Paper, Wood Flooring Underlayment	0.37	
09 64 13 00-0004	SF 15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.38	
09 64 13 00-0005	SF 6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.48	
09 64 13 00-0006	SF 8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.55	
09 64 13 00-0007	SF 1/8" Thick, Natural Cork, Wood Flooring Underlayment.....	1.32	
09 64 13 00-0008	SF 1/4" Thick, Natural Cork, Wood Flooring Underlayment.....	1.38	
09 64 13 00-0009	SF 3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.54	
09 64 13 00-0010	SF 2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.64	
09 64 13 00-0011	SF 4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.69	
09 64 13 00-0012	SF 2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.81	
09 64 13 00-0013	SF 1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.82	

09 64 23 Wood Parquet Flooring (09 64)
Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001	Hardwood Parquet Flooring <small>(09 64 23)</small>		
09 64 23 00-0002	SF Oak Parquet Flooring 5/16" Thick	9.36	0.75
	<i>For Up To 20, Add</i>	3.53	
	<i>For >20 To 50, Add</i>	1.88	
	<i>For >50 To 100, Add</i>	0.94	
	<i>For >100 To 300, Add</i>	0.47	

09 64 29 Wood Strip And Plank Flooring (09 64)
Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001	Unfinished Fir, Wood Strip Flooring <small>(09 64 29)</small>		
09 64 29 00-0002	SF 3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring.....	8.26	0.75
	<i>For Factory Finish, Add</i>	0.49	
	<i>For Random Width Floor, Add</i>	1.90	
	<i>For Up To 20, Add</i>	2.77	
	<i>For >20 To 50, Add</i>	1.51	
	<i>For >50 To 100, Add</i>	0.75	
	<i>For >100 To 300, Add</i>	0.38	

09 64 29 00-0003	Unfinished Oak, Wood Strip Flooring <small>(09 64 29)</small>		
09 64 29 00-0004	Unfinished White Oak, Wood Strip Flooring <small>(09 64 29 00-0003)</small>		
09 64 29 00-0005	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	6.99	0.75
	<i>For Factory Finish, Add</i>	0.25	
	<i>For Random Width Floor, Add</i>	1.53	
	<i>For Up To 20, Add</i>	3.05	
	<i>For >20 To 50, Add</i>	1.59	
	<i>For >50 To 100, Add</i>	0.79	
	<i>For >100 To 300, Add</i>	0.40	
09 64 29 00-0006	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	7.32	0.75
	<i>For Factory Finish, Add</i>	0.29	
	<i>For Random Width Floor, Add</i>	1.61	
	<i>For Up To 20, Add</i>	3.10	
	<i>For >20 To 50, Add</i>	1.62	
	<i>For >50 To 100, Add</i>	0.81	
	<i>For >100 To 300, Add</i>	0.41	
09 64 29 00-0007	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	7.81	0.75
	<i>For Factory Finish, Add</i>	0.34	
	<i>For Random Width Floor, Add</i>	1.73	
	<i>For Up To 20, Add</i>	3.17	
	<i>For >20 To 50, Add</i>	1.67	
	<i>For >50 To 100, Add</i>	0.84	
	<i>For >100 To 300, Add</i>	0.42	
09 64 29 00-0008	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	6.05	0.75
	<i>For Factory Finish, Add</i>	0.27	
	<i>For Random Width Floor, Add</i>	1.34	
	<i>For Up To 20, Add</i>	2.44	
	<i>For >20 To 50, Add</i>	1.29	
	<i>For >50 To 100, Add</i>	0.64	
	<i>For >100 To 300, Add</i>	0.32	
09 64 29 00-0009	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	6.31	0.75
	<i>For Factory Finish, Add</i>	0.29	
	<i>For Random Width Floor, Add</i>	1.41	
	<i>For Up To 20, Add</i>	2.48	
	<i>For >20 To 50, Add</i>	1.31	
	<i>For >50 To 100, Add</i>	0.66	
	<i>For >100 To 300, Add</i>	0.33	
09 64 29 00-0010	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	6.82	0.75
	<i>For Factory Finish, Add</i>	0.34	
	<i>For Random Width Floor, Add</i>	1.54	
	<i>For Up To 20, Add</i>	2.55	
	<i>For >20 To 50, Add</i>	1.36	
	<i>For >50 To 100, Add</i>	0.68	
	<i>For >100 To 300, Add</i>	0.34	



Finishes	09	09
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring <small>(09 64 29 00-0003)</small>		
09 64 29 00-0012 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	7.04	0.75
For Factory Finish, Add	0.26	
For Random Width Floor, Add	1.54	
For Up To 20, Add	3.06	
For >20 To 50, Add	1.59	
For >50 To 100, Add	0.80	
For >100 To 300, Add	0.40	
09 64 29 00-0013 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	7.37	0.75
For Factory Finish, Add	0.29	
For Random Width Floor, Add	1.62	
For Up To 20, Add	3.11	
For >20 To 50, Add	1.63	
For >50 To 100, Add	0.81	
For >100 To 300, Add	0.41	
09 64 29 00-0014 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	7.87	0.75
For Factory Finish, Add	0.34	
For Random Width Floor, Add	1.75	
For Up To 20, Add	3.18	
For >20 To 50, Add	1.68	
For >50 To 100, Add	0.84	
For >100 To 300, Add	0.42	
09 64 29 00-0015 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	6.10	0.75
For Factory Finish, Add	0.27	
For Random Width Floor, Add	1.36	
For Up To 20, Add	2.45	
For >20 To 50, Add	1.29	
For >50 To 100, Add	0.65	
For >100 To 300, Add	0.32	
09 64 29 00-0016 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	6.43	0.75
For Factory Finish, Add	0.30	
For Random Width Floor, Add	1.44	
For Up To 20, Add	2.49	
For >20 To 50, Add	1.32	
For >50 To 100, Add	0.66	
For >100 To 300, Add	0.33	
09 64 29 00-0017 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	6.88	0.75
For Factory Finish, Add	0.35	
For Random Width Floor, Add	1.55	
For Up To 20, Add	2.56	
For >20 To 50, Add	1.37	
For >50 To 100, Add	0.68	
For >100 To 300, Add	0.34	
09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring <small>(09 64 29)</small>		
09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring <small>(09 64 29 00-0018)</small>		
09 64 29 00-0020 SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	8.26	0.75
For Factory Finish, Add	0.38	
For Random Width Floor, Add	1.84	
For Up To 20, Add	3.24	
For >20 To 50, Add	1.72	
For >50 To 100, Add	0.86	
For >100 To 300, Add	0.43	
09 64 29 00-0021 SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	7.70	0.75
For Factory Finish, Add	0.33	
For Random Width Floor, Add	1.70	
For Up To 20, Add	3.16	
For >20 To 50, Add	1.66	
For >50 To 100, Add	0.83	
For >100 To 300, Add	0.42	
09 64 29 00-0022 SF 3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	7.43	0.75
For Factory Finish, Add	0.40	
For Random Width Floor, Add	1.69	
For Up To 20, Add	2.64	
For >20 To 50, Add	1.42	
For >50 To 100, Add	0.71	
For >100 To 300, Add	0.36	
09 64 29 00-0023 SF 3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	6.88	0.75
For Factory Finish, Add	0.35	
For Random Width Floor, Add	1.55	
For Up To 20, Add	2.56	
For >20 To 50, Add	1.37	
For >50 To 100, Add	0.68	
For >100 To 300, Add	0.34	
09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring <small>(09 64 29 00-0018)</small>		

09 Finishes

09 60 Flooring

09 64 Wood Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	9.45	0.75
			<i>For Factory Finish, Add</i>	0.50	
			<i>For Random Width Floor, Add</i>	2.14	
			<i>For Up To 20, Add</i>	3.42	
			<i>For >20 To 50, Add</i>	1.84	
			<i>For >50 To 100, Add</i>	0.92	
			<i>For >100 To 300, Add</i>	0.46	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	8.71	0.75
			<i>For Factory Finish, Add</i>	0.43	
			<i>For Random Width Floor, Add</i>	1.96	
			<i>For Up To 20, Add</i>	3.31	
			<i>For >20 To 50, Add</i>	1.76	
			<i>For >50 To 100, Add</i>	0.88	
			<i>For >100 To 300, Add</i>	0.44	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	8.69	0.75
			<i>For Factory Finish, Add</i>	0.53	
			<i>For Random Width Floor, Add</i>	2.00	
			<i>For Up To 20, Add</i>	2.83	
			<i>For >20 To 50, Add</i>	1.55	
			<i>For >50 To 100, Add</i>	0.77	
			<i>For >100 To 300, Add</i>	0.39	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	7.96	0.75
			<i>For Factory Finish, Add</i>	0.46	
			<i>For Random Width Floor, Add</i>	1.82	
			<i>For Up To 20, Add</i>	2.72	
			<i>For >20 To 50, Add</i>	1.48	
			<i>For >50 To 100, Add</i>	0.74	
			<i>For >100 To 300, Add</i>	0.37	

09 64 66 Wood Athletic Flooring (09 64)

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors (09 64 66)

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor.....	9.36	3.78
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0003	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	12.38	4.91
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0004	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	12.96	4.91
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	14.13	4.91
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0006	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	13.58	4.91
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0007	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	15.63	4.91
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base And Accessories (09 65)

09 65 13 13 Resilient Base (09 65 13)

09 65 13 13-0001 Vinyl Plastic Wall Base (09 65 13 13)

Note: Includes inside and outside premolded corners.

09 65 13 13-0002	LF		4" High, 1/8" Vinyl Plastic Base, All Colors.....	2.81	1.01
09 65 13 13-0003	LF		6" High, 1/8" Vinyl Plastic Base, All Colors.....	3.75	1.22



Finishes	09	9
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0004 1/8" Thick Rubber Wall Base <small>(09 65 13 13)</small>		
09 65 13 13-0005 LF 4" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	3.14	1.22
09 65 13 13-0006 LF 6" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	3.33	1.22
09 65 13 13-0007 LF 4" High, 1/8" Rubber Base, Group 2 All (Except White).....	3.21	1.22
09 65 13 13-0008 LF 6" High, 1/8" Rubber Base, Group 2 All (Except White).....	3.47	1.22
09 65 13 13-0009 LF 4" High, 1/8" Rubber Base, Group 3 White Only.....	3.09	1.22
09 65 13 13-0010 LF 6" High, 1/8" Rubber Base, Group 3 Only.....	3.35	1.22
09 65 13 13-0011 EA 4" High, 1/8" Rubber Corner	3.69	1.22
09 65 13 13-0012 EA 6" High, 1/8" Rubber Corner	3.98	1.22
 09 65 13 23 Resilient Stair Treads And Risers <small>(09 65 13)</small>		
Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001 Rubber Stair Treads and Risers <small>(09 65 13 23)</small>		
09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread <small>(09 65 13 23-0001)</small>		
09 65 13 23-0003 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	13.97	1.62
Note: Raised disc or other pattern.		
<i>For Abrasive Strip, Add</i> 2.75		
<i>For Photo Luminescent Abrasive Strip, Add</i> 3.75		
09 65 13 23-0004 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.02	1.75
Note: Raised disc or other pattern.		
<i>For Abrasive Strip, Add</i> 2.75		
<i>For Photo Luminescent Abrasive Strip, Add</i> 3.75		
09 65 13 23-0005 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.32	1.87
Note: Raised disc or other pattern.		
<i>For Abrasive Strip, Add</i> 2.75		
<i>For Photo Luminescent Abrasive Strip, Add</i> 3.75		
 09 65 13 23-0006 Smooth Surface Rubber Stair Tread <small>(09 65 13 23-0001)</small>		
09 65 13 23-0007 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	13.13	1.62
Note: Smooth surface.		
<i>For Abrasive Strip, Add</i> 2.75		
<i>For Photo Luminescent Abrasive Strip, Add</i> 3.75		
09 65 13 23-0008 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.06	1.75
Note: Smooth surface.		
<i>For Abrasive Strip, Add</i> 2.75		
<i>For Photo Luminescent Abrasive Strip, Add</i> 3.75		
09 65 13 23-0009 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	17.09	1.87
Note: Smooth surface.		
<i>For Abrasive Strip, Add</i> 2.75		
<i>For Photo Luminescent Abrasive Strip, Add</i> 3.75		
 09 65 13 23-0010 Smooth Surface Rubber Stair Riser <small>(09 65 13 23-0001)</small>		
09 65 13 23-0011 LF 1/8" Thick, Smooth Surface Rubber Stair Riser	7.65	0.97
 09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats <small>(09 65 13 23-0001)</small>		
09 65 13 23-0013 SF 1/8" Thick, Rubber Landing Mats.....	11.58	1.50
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014 SF 3/16" Thick, Rubber Landing Mats.....	12.74	1.62
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015 SF 7/32" Thick, Rubber Landing Mats.....	14.42	1.83
Note: Smooth, raised disc or other patterned surface.		
 09 65 13 23-0016 Vinyl Stair Treads and Risers <small>(09 65 13 23)</small>		
09 65 13 23-0017 Ribbed Vinyl Stair Tread <small>(09 65 13 23-0016)</small>		
09 65 13 23-0018 LF 1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	9.57	1.48
<i>For Abrasive Strip, Add</i> 2.75		
09 65 13 23-0019 LF 3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	11.55	1.62
<i>For Abrasive Strip, Add</i> 2.75		
09 65 13 23-0020 LF 1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	13.70	1.75
<i>For Abrasive Strip, Add</i> 2.75		
 09 65 13 23-0021 Smooth Surface Vinyl Stair Riser <small>(09 65 13 23-0016)</small>		
09 65 13 23-0022 LF 1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	5.80	0.97
 09 65 13 33 Resilient Accessories <small>(09 65 13)</small>		
09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments <small>(09 65 13 33)</small>		
09 65 13 33-0002 SF 1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.29	0.81
09 65 13 33-0003 SF 1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.93	0.81

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 33-0004 Concrete Floor Prep <small>(09 65 13 33)</small>		
09 65 13 33-0005 SF Remove Glue From Concrete Floor.....	1.01	
Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
09 65 16 Resilient Sheet Flooring <small>(09 65)</small>		
09 65 16 23 Vinyl Sheet Flooring <small>(09 65 16)</small>		
09 65 16 23-0001 Vinyl Sheet Flooring <small>(09 65 16 23)</small>		
Note: For flash cove application, add additional square foot of material to form cove base.		
09 65 16 23-0002 SF 0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	5.92	0.61
For Up To 40, Add	2.80	
For >40 To 100, Add	1.40	
For >1,000, Deduct	-0.47	
09 65 16 23-0003 SF 0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	4.92	0.61
For Up To 40, Add	2.60	
For >40 To 100, Add	1.30	
For >1,000, Deduct	-0.37	
09 65 16 23-0004 SF 0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	3.36	0.61
For Up To 40, Add	2.28	
For >40 To 100, Add	1.14	
For >1,000, Deduct	-0.21	
09 65 16 23-0005 SF 0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	4.23	0.61
For Up To 40, Add	2.46	
For >40 To 100, Add	1.23	
For >1,000, Deduct	-0.30	
09 65 16 23-0006 SF 0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	5.51	0.61
For Up To 40, Add	2.71	
For >40 To 100, Add	1.36	
For >1,000, Deduct	-0.43	
09 65 16 23-0007 SF 0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	7.45	0.61
For Up To 40, Add	3.10	
For >40 To 100, Add	1.55	
For >1,000, Deduct	-0.62	
09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams <small>(09 65 16 23)</small>		
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009 LF Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	5.56	
09 65 16 23-0010 LF Heat Weld Patterned Vinyl Sheet Flooring Seams.....	5.77	
09 65 19 Resilient Tile Flooring <small>(09 65)</small>		
Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19 Vinyl Composition Tile Flooring <small>(09 65 19)</small>		
09 65 19 19-0001 Vinyl Composition Tile (VCT) <small>(09 65 19 19)</small>		
Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	2.55	1.22
For Up To 100, Add	0.20	
For >1,000 To 3,000, Deduct	-0.06	
For >3,000 To 6,000, Deduct	-0.15	
For >6,000, Deduct	-0.29	
For 3/32" Thick, Deduct	-0.11	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	0.98	
For >20 To 40, Add	0.56	
09 65 19 19-0003 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	2.55	1.22
For Up To 100, Add	0.20	
For >1,000 To 3,000, Deduct	-0.06	
For >3,000 To 6,000, Deduct	-0.15	
For >6,000, Deduct	-0.29	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	0.98	
For >20 To 40, Add	0.56	



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0004 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	2.55	1.22
For Up To 100, Add	0.20	
For >1,000 To 3,000, Deduct	-0.06	
For >3,000 To 6,000, Deduct	-0.15	
For >6,000, Deduct	-0.29	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	0.98	
For >20 To 40, Add	0.56	
09 65 19 19-0005 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	3.55	1.22
For Up To 100, Add	0.25	
For >1,000 To 3,000, Deduct	-0.08	
For >3,000 To 6,000, Deduct	-0.19	
For >6,000, Deduct	-0.35	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.13	
For >20 To 40, Add	0.66	
09 65 19 19-0006 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	3.56	1.22
For Up To 100, Add	0.25	
For >1,000 To 3,000, Deduct	-0.08	
For >3,000 To 6,000, Deduct	-0.19	
For >6,000, Deduct	-0.35	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.13	
For >20 To 40, Add	0.66	
09 65 19 19-0007 SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	3.75	1.22
For Up To 100, Add	0.26	
For >1,000 To 3,000, Deduct	-0.08	
For >3,000 To 6,000, Deduct	-0.20	
For >6,000, Deduct	-0.36	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.16	
For >20 To 40, Add	0.68	
09 65 19 19-0008 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	3.78	1.22
For Up To 100, Add	0.26	
For >1,000 To 3,000, Deduct	-0.08	
For >3,000 To 6,000, Deduct	-0.20	
For >6,000, Deduct	-0.36	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.17	
For >20 To 40, Add	0.68	
09 65 19 19-0009 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	3.90	1.22
For Up To 100, Add	0.27	
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.21	
For >6,000, Deduct	-0.37	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.19	
For >20 To 40, Add	0.69	
09 65 19 19-0010 SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	5.00	1.22
For Up To 100, Add	0.33	
For >1,000 To 3,000, Deduct	-0.11	
For >3,000 To 6,000, Deduct	-0.25	
For >6,000, Deduct	-0.44	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.35	
For >20 To 40, Add	0.80	
09 65 19 19-0011 SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	5.43	1.22
For Up To 100, Add	0.35	
For >1,000 To 3,000, Deduct	-0.12	
For >3,000 To 6,000, Deduct	-0.27	
For >6,000, Deduct	-0.46	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.41	
For >20 To 40, Add	0.84	
09 65 19 19-0012 SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	7.11	1.22
For Up To 100, Add	0.43	
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.34	
For >6,000, Deduct	-0.56	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.67	
For >20 To 40, Add	1.01	
09 65 19 23 Vinyl Tile Flooring (09 65 19)		
09 65 19 23-0001 Vinyl Tile (09 65 19 23)		
Note: Any size.		
09 65 19 23-0002 Solid Vinyl Tile (SVT) (09 65 19 23-0001)		
Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	6.15	1.22
For Up To 100, Add	0.41	
For >1,000 To 3,000, Deduct	-0.13	
For >3,000 To 6,000, Deduct	-0.32	
For >6,000, Deduct	-0.56	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0004 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	6.30	1.22
For Up To 100, Add	0.42	
For >1,000 To 3,000, Deduct	-0.14	
For >3,000 To 6,000, Deduct	-0.32	
For >6,000, Deduct	-0.57	
For Up To 20, Add	1.78	
For >20 To 40, Add	1.05	
09 65 19 23-0005 SF 1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	6.40	1.22
For Up To 100, Add	0.42	
For >1,000 To 3,000, Deduct	-0.14	
For >3,000 To 6,000, Deduct	-0.33	
For >6,000, Deduct	-0.57	
09 65 19 23-0006 Vinyl Transition Strip (09 65 19 23-0001)		
09 65 19 23-0007 LF Vinyl Transition Strip, Brown Or Black	1.61	0.73
09 65 19 23-0008 LF Vinyl Floor Tile Reducer Strip, Brown Or Black.....	1.48	0.73
09 65 19 23-0009 LF Vinyl Floor Tile Feature Strip, Brown Or Black.....	1.33	0.73
09 65 19 33 Rubber Tile Flooring (09 65 19)		
09 65 19 33-0001 Rubber Tile (09 65 19 33)		
09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)		
09 65 19 33-0003 SF 1/8" Thick Rubber Tile.....	8.67	0.73
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.51	
09 65 19 33-0004 SF 3/16" Thick Rubber Tile.....	9.55	0.81
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.56	
09 65 19 33-0005 SF 7/32" Thick Rubber Tile.....	11.07	0.81
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.63	
09 65 19 43 Polyester Composition Tile Flooring (09 65 19)		
09 65 19 43-0001 Polyester Composition Floor Tile (09 65 19 43)		
Note: Any size.		
09 65 19 43-0002 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	3.62	1.22
For Up To 100, Add	0.26	
For >1,000 To 3,000, Deduct	-0.08	
For >3,000 To 6,000, Deduct	-0.20	
For >6,000, Deduct	-0.35	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.14	
For >20 To 40, Add	0.66	
09 65 19 43-0003 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®).....	4.07	1.22
For Up To 100, Add	0.28	
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.22	
For >6,000, Deduct	-0.38	
For Extra Stock, Material Only, Deduct	-1.43	
For Up To 20, Add	1.21	
For >20 To 40, Add	0.71	
09 65 43 Linoleum Flooring (09 65)		
09 65 43 00-0001 Linoleum Flooring (09 65 43)		
09 65 43 00-0002 SF Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	4.29	1.22
09 65 43 00-0003 SF 2.5mm, Linoleum Sheet (Forbo Marmoleum)	3.07	0.61
For 3.2mm Thickness, Add	0.37	
For 2mm Thickness, Deduct	-0.17	
09 65 43 00-0004 LF Heat Weld Linoleum Sheet Flooring Seams	5.56	
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 66 Resilient Athletic Flooring (09 65)		
09 65 66 00-0001 Sheet Goods For Gym (09 65 66)		
09 65 66 00-0002 SF 1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	7.80	3.41
09 65 66 00-0003 SF 9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	7.97	3.41
09 65 66 00-0004 SF 3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	8.15	3.41
09 65 66 00-0005 SF 1/8" Rubber Sheet Good For Gym Floor Base.....	7.59	3.79
09 65 66 00-0006 SF 3/16" Rubber Sheet Good For Gym Floor Base.....	9.57	4.54
09 65 66 00-0007 SF 1/4" Rubber Sheet Good For Gym Floor Base.....	10.78	5.02
09 65 66 00-0008 Interlocking Rubber Flooring (09 65 66)		



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0009 SF 3/8" Interlocking Rubber Athletic Flooring..... Note: Black with hidden or exposed locks. Pawling HL series.	7.84	0.56
For Colors, Add	0.88	
09 65 66 00-0010 SF 9/16" Interlocking Rubber Athletic Flooring..... Note: Black with hidden or exposed locks. Pawling HL series.	10.97	0.56
For Colors, Add	1.27	
09 65 66 00-0011 Polyurethane Floor Systems (09 65 66) See CSI section 09 93 23 53-0022 for game lines.		
09 65 66 00-0012 SF 7 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic).....	12.96	1.62
09 65 66 00-0013 SF 9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic).....	14.13	1.62
09 66 Terrazzo Flooring (09 66)		
09 66 13 Portland Cement Terrazzo Flooring (09 66) Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.		
09 66 13 00-0001 Floors Bonded To Concrete (09 66 13) Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 00-0002 SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping.....	19.38	2.25
For Venetian Type Terrazzo, Add	5.07	
For Abrasive Heavy Duty Terrazzo, Add	5.07	
For Colors, Add	2.53	
For Up To 100, Add	4.71	
For >100 To 250, Add	2.36	
09 66 13 00-0003 SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	19.50	2.25
For Venetian Type Terrazzo, Add	5.13	
For Abrasive Heavy Duty Terrazzo, Add	5.13	
For Colors, Add	2.56	
For Up To 100, Add	4.73	
For >100 To 250, Add	2.36	
09 66 13 00-0004 Floors Not Bonded To Concrete (09 66 13) Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 00-0005 SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	24.32	2.25
For Venetian Type Terrazzo, Add	6.14	
For Abrasive Heavy Duty Terrazzo, Add	6.14	
For Colors, Add	3.07	
For Up To 100, Add	6.04	
For >100 To 250, Add	3.02	
09 66 13 00-0006 SF Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	24.44	2.25
For Venetian Type Terrazzo, Add	6.20	
For Abrasive Heavy Duty Terrazzo, Add	6.20	
For Colors, Add	3.10	
For Up To 100, Add	6.06	
For >100 To 250, Add	3.03	
09 66 13 00-0007 Monolithic Terrazzo (09 66 13)		
09 66 13 00-0008 SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5' Square Panels Topping (Including Mesh And Felt).....	13.31	2.25
For Venetian Type Terrazzo, Add	4.47	
For Abrasive Heavy Duty Terrazzo, Add	4.47	
For Colors, Add	2.24	
For Up To 100, Add	2.64	
For >100 To 250, Add	1.32	
09 66 13 00-0009 Terrazzo Wainscot (09 66 13)		
09 66 13 00-0010 SF Terrazzo Wainscot Cast In Place 1-1/2" Thick Bonded To Concrete Or Masonry 1-1/2" Thick.....	26.60	3.01
For Venetian Type Terrazzo, Add	3.28	
09 66 13 00-0011 Terrazzo Base (09 66 13)		
09 66 13 00-0012 SF Terrazzo Base, Cast In Place, 6" Cove Type.....	27.16	2.31
For Venetian Type Terrazzo, Add	7.16	
09 66 13 00-0013 Terrazzo Curb (09 66 13)		
09 66 13 00-0014 LF 6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces.....	70.45	15.41
For Venetian Type Terrazzo, Add	9.54	
09 66 13 00-0015 Stairs Cast In Place (09 66 13) Note: Topping applied to concrete or metal.		
09 66 13 00-0016 LF Cast In Place Terrazzo Stair, 1-1/2" Thick x 12" Wide, Applied To Concrete Or Metal.....	27.23	4.51
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 00-0017	LF		Cast In Place Terrazzo Stair Tread And Riser, Applied To Concrete Or Metal.....	68.37	15.04
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 00-0018	SF		Cast In Place Terrazzo Stair Stringer And Fascia, Applied To Concrete Or Metal.....	27.59	4.51
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 00-0019			Divider Strips <small>(09 66 13)</small>		
09 66 13 00-0020	LF		Divider Strip, 14 Gauge, 1-1/4" Deep, Zinc.....	3.65	0.76
09 66 13 00-0021	LF		Divider Strip, 14 Gauge, 1-1/4" Deep, Brass.....	3.11	0.76
09 66 13 00-0022	LF		Heavy Top Strip, 1/4" Thick, 1-1/4" Deep, Zinc.....	5.56	0.76
09 66 13 00-0023	LF		Heavy Top Strip, 1/4" Thick, 1-1/4" Deep, Galvanized Bottom, Brass.....	8.94	0.76
09 66 13 00-0024	LF		Divider Strip For Thin Set Floors, 16 Gauge, 1/2" x 1/2" Zinc.....	3.56	0.76
09 66 13 00-0025	LF		Divider Strip For Thin Set Floors, 16 Gauge, 1/2" x 1/2" Brass.....	5.09	0.76
09 66 13 00-0026	LF		Divider Strip For Floor, Vinyl Plastic.....	3.57	0.76
09 66 16			Terrazzo Floor Tile <small>(09 66)</small>		
09 66 16 00-0001			Flooring Tiles <small>(09 66 16)</small>		
			Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 00-0002			Terrazzo Tiles With Non Slip Surface <small>(09 66 16 00-0001)</small>		
09 66 16 00-0003	SF		9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	21.53	2.01
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 00-0004	SF		12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	21.98	2.01
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 00-0005	SF		12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	25.42	2.01
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 00-0006	SF		18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	27.17	2.01
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 00-0007	SF		24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	28.38	2.01
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 00-0008			Terrazzo Tile Thin Set <small>(09 66 16 00-0001)</small>		
09 66 16 00-0009	SF		Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed.....	21.31	2.01
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 00-0010	SF		Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed.....	22.71	2.01
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 00-0011			Thin Set Terrazzo Wainscot <small>(09 66 16 00-0001)</small>		
09 66 16 00-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....	34.99	4.63
			<i>For Each LF Of White Cement, Add</i>	0.50	
			<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 00-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set.....	39.95	4.63
			<i>For Each LF Of White Cement, Add</i>	0.50	
			<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 00-0014			Thin Set Terrazzo Base, Gray Cement <small>(09 66 16 00-0001)</small>		
09 66 16 00-0015	LF		6" High, Straight Terrazzo Base Thin Set, Gray Cement.....	11.61	2.31
			<i>For Each LF Of White Cement, Add</i>	0.50	
			<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 00-0016	LF		6" High, Cove Terrazzo Base Thin Set, Gray Cement.....	12.90	2.31
			<i>For Each LF Of White Cement, Add</i>	0.50	
			<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 00-0017	LF		8" High, Straight Terrazzo Base Thin Set, Gray Cement.....	13.48	2.31
			<i>For Each LF Of White Cement, Add</i>	0.50	
			<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 00-0018	LF		8" High, Cove Terrazzo Base Thin Set, Gray Cement.....	14.13	2.31
			<i>For Each LF Of White Cement, Add</i>	0.50	
			<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 00-0019			Terrazzo Curbs <small>(09 66 16 00-0001)</small>		
09 66 16 00-0020	LF		8" x 8" Curb, Terrazzo Tile.....	23.65	3.08
			<i>For Each LF Of White Cement, Add</i>	0.50	
			<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	



Finishes	09	
Flooring	09 60	9
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 00-0021 LF 6" x 6" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	23.00 0.50 1.00	3.08
09 66 16 00-0022 Precast Terrazzo Stair Treads 12" Wide (09 66 16 00-0001)		
09 66 16 00-0023 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	55.11	3.08
09 66 16 00-0024 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface	47.33	3.08
09 66 16 00-0025 LF 2" Precast Terrazzo Straight Stair Tread	42.15	3.08
09 66 16 00-0026 LF 2" Precast Terrazzo Curved Stair Tread	49.27	3.08
09 66 16 00-0027 Stair Risers, 1" Thick To 6" High, Straight (09 66 16 00-0001)		
09 66 16 00-0028 LF 1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	25.19	2.31
09 66 16 00-0029 LF 1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	29.08	2.31
09 66 16 00-0030 Stair Risers, 1" Thick To 6" High, Curved (09 66 16 00-0001)		
09 66 16 00-0031 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	36.84	2.31
09 66 16 00-0032 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	39.43	2.31
09 66 16 00-0033 Tread And Riser (09 66 16)		
09 66 16 00-0034 Stair Stringers, Notched For Treads And Risers (09 66 16 00-0033)		
09 66 16 00-0035 LF 1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	61.96	6.16
09 66 16 00-0036 LF 2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	74.71	6.16
09 66 16 00-0037 Structural Non-Slip Landings (09 66 16 00-0033)		
09 66 16 00-0038 SF 1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip	44.51	3.08
09 66 16 00-0039 SF 3" Thick Precast Terrazzo Stair Landing Structural, Non Slip	54.61	3.08
09 66 16 00-0040 Combined Tread And Riser (09 66 16 00-0033)		
09 66 16 00-0041 Straight Sections (09 66 16 00-0040)		
09 66 16 00-0042 LF Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	96.33	6.16
09 66 16 00-0043 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	114.48	6.16
09 66 16 00-0044 Curved Sections (09 66 16 00-0040)		
09 66 16 00-0045 LF Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	120.35	6.16
09 66 16 00-0046 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	151.48	6.16
09 66 23 Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16 Epoxy-Resin Terrazzo Flooring (09 66 23)		
09 66 23 16-0001 Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002 SF Chemical Resistant Epoxy Terrazzo, 1/4" Thick	18.40	2.25
09 66 33 Conductive Terrazzo Flooring (09 66)		
Note: For anti-static areas.		
09 66 33 13 Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001 SF Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial	19.12	3.85
09 66 33 13-0002 SF Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial	34.57	3.85
09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001 SF Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial	14.66	3.85
09 66 33 16-0002 SF Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial	24.90	3.85
09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001 SF Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	16.39	3.85
09 66 33 19-0002 SF Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	31.20	3.85
09 66 33 19-0003 SF Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	23.61	3.85
09 66 33 19-0004 SF Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	26.90	3.85
09 67 Fluid-Applied Flooring (09 60)		
09 67 16 Epoxy-Marble Chip Flooring (09 67)		
09 67 16 00-0001 Epoxy Marble Chip Flooring (09 67 16)		

09 Finishes**09 60 Flooring****09 67 Fluid-Applied Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 16 00-0002 SF Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	10.62	2.25
For Skid Resistant Abrasive Sand Finish, Add	0.04	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
09 67 16 00-0003 SF Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	11.15	2.25
For Skid Resistant Abrasive Sand Finish, Add	0.04	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
09 67 29 Epoxy Flooring (09 67)		
09 67 29 00-0001 Epoxy Flooring (09 67 29)		
Note: Includes primer and topcoats, assorted colors.		
09 67 29 00-0002 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/16" Heavy Duty (6,000 - 7,500 PSI).....	9.52	5.11
For Skid Resistant Abrasive Sand Finish, Add	0.04	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
For Up To 500, Add	1.78	
For >500 To 1,000, Add	1.13	
For >1,000 To 2,000, Add	0.56	
09 67 29 00-0003 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/16", Chemical Resistant (10,000 - 12,000 PSI)	13.74	5.11
For Skid Resistant Abrasive Sand Finish, Add	0.08	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.08	
For Up To 500, Add	2.83	
For >500 To 1,000, Add	1.76	
For >1,000 To 2,000, Add	0.88	
09 67 29 00-0004 SF Epoxy Flooring Trowel Applied Mortar Compound, 1/4" Heavy Duty (6,000 - 7,500 PSI).....	10.77	5.72
For Skid Resistant Abrasive Sand Finish, Add	0.04	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
For Up To 500, Add	2.00	
For >500 To 1,000, Add	1.27	
For >1,000 To 2,000, Add	0.64	
09 67 29 00-0005 SF Epoxy Flooring Trowel Applied Mortar Compound, 1/4", Chemical Resistant (10,000 - 12,000 PSI)	15.61	5.72
For Skid Resistant Abrasive Sand Finish, Add	0.09	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
For Up To 500, Add	3.21	
For >500 To 1,000, Add	2.00	
For >1,000 To 2,000, Add	1.00	
09 67 29 00-0006 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/8" Heavy Duty (6,000 - 7,500 PSI).....	12.03	6.39
For Skid Resistant Abrasive Sand Finish, Add	0.05	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
For Up To 500, Add	2.26	
For >500 To 1,000, Add	1.43	
For >1,000 To 2,000, Add	0.71	
09 67 29 00-0007 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/8", Chemical Resistant (10,000 - 12,000 PSI)	17.16	6.39
For Skid Resistant Abrasive Sand Finish, Add	0.10	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	
For Up To 500, Add	3.54	
For >500 To 1,000, Add	2.20	
For >1,000 To 2,000, Add	1.10	
09 68 Carpeting (09 68)		
Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fasteners as required and vacuuming.		
09 68 13 Tile Carpeting (09 68)		
09 68 13 00-0001 Tufted Carpet Tiles (09 68 13)		
Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.		
09 68 13 00-0002 Non-Patterned Carpet Tiles (09 68 13 00-0001)		
09 68 13 00-0003 SY 18 Ounce, Non Patterned, Nylon Carpet Tile.....	41.63	4.87
For >200 To 400, Deduct	-0.59	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.66	
For >900 To 1,500, Deduct	-2.44	
For >1,500 To 2,200, Deduct	-3.57	
For >2,200 To 3,500, Deduct	-4.61	
For >3,500, Deduct	-5.65	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0004 SY 20 Ounce, Non Patterned, Nylon Carpet Tile.....	43.43	4.87
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.75	
For >900 To 1,500, Deduct	-2.56	
For >1,500 To 2,200, Deduct	-3.75	
For >2,200 To 3,500, Deduct	-4.83	
For >3,500, Deduct	-5.92	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0005 SY 22 Ounce, Non Patterned, Nylon Carpet Tile.....	49.15	4.87
For >200 To 400, Deduct	-0.74	
For >400 To 600, Deduct	-1.12	
For >600 To 900, Deduct	-2.04	
For >900 To 1,500, Deduct	-2.96	
For >1,500 To 2,200, Deduct	-4.32	
For >2,200 To 3,500, Deduct	-5.55	
For >3,500, Deduct	-6.78	
For Cushion Backed Tile, Add	4.90	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0006	SY	24 Ounce, Non Patterned, Nylon Carpet Tile.....	54.72	4.87
			<i>For >200 To 400, Deduct</i>	-0.86	
			<i>For >400 To 600, Deduct</i>	-1.28	
			<i>For >600 To 900, Deduct</i>	-2.32	
			<i>For >900 To 1,500, Deduct</i>	-3.35	
			<i>For >1,500 To 2,200, Deduct</i>	-4.88	
			<i>For >2,200 To 3,500, Deduct</i>	-6.24	
			<i>For >3,500, Deduct</i>	-7.61	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0007	SY	26 Ounce, Non Patterned, Nylon Carpet Tile.....	57.98	4.87
			<i>For >200 To 400, Deduct</i>	-0.92	
			<i>For >400 To 600, Deduct</i>	-1.38	
			<i>For >600 To 900, Deduct</i>	-2.48	
			<i>For >900 To 1,500, Deduct</i>	-3.58	
			<i>For >1,500 To 2,200, Deduct</i>	-5.20	
			<i>For >2,200 To 3,500, Deduct</i>	-6.65	
			<i>For >3,500, Deduct</i>	-8.10	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0008	SY	28 Ounce, Non Patterned, Nylon Carpet Tile.....	61.32	4.87
			<i>For >200 To 400, Deduct</i>	-0.99	
			<i>For >400 To 600, Deduct</i>	-1.48	
			<i>For >600 To 900, Deduct</i>	-2.65	
			<i>For >900 To 1,500, Deduct</i>	-3.82	
			<i>For >1,500 To 2,200, Deduct</i>	-5.54	
			<i>For >2,200 To 3,500, Deduct</i>	-7.07	
			<i>For >3,500, Deduct</i>	-8.60	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0009	SY	30 Ounce, Non Patterned, Nylon Carpet Tile.....	62.31	4.87
			<i>For >200 To 400, Deduct</i>	-1.01	
			<i>For >400 To 600, Deduct</i>	-1.51	
			<i>For >600 To 900, Deduct</i>	-2.70	
			<i>For >900 To 1,500, Deduct</i>	-3.88	
			<i>For >1,500 To 2,200, Deduct</i>	-5.63	
			<i>For >2,200 To 3,500, Deduct</i>	-7.19	
			<i>For >3,500, Deduct</i>	-8.75	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0010	SY	32 Ounce, Non Patterned, Nylon Carpet Tile.....	62.93	4.87
			<i>For >200 To 400, Deduct</i>	-1.02	
			<i>For >400 To 600, Deduct</i>	-1.53	
			<i>For >600 To 900, Deduct</i>	-2.73	
			<i>For >900 To 1,500, Deduct</i>	-3.93	
			<i>For >1,500 To 2,200, Deduct</i>	-5.70	
			<i>For >2,200 To 3,500, Deduct</i>	-7.27	
			<i>For >3,500, Deduct</i>	-8.84	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0011	SY	34 Ounce, Non Patterned, Nylon Carpet Tile.....	63.45	4.87
			<i>For >200 To 400, Deduct</i>	-1.03	
			<i>For >400 To 600, Deduct</i>	-1.55	
			<i>For >600 To 900, Deduct</i>	-2.75	
			<i>For >900 To 1,500, Deduct</i>	-3.96	
			<i>For >1,500 To 2,200, Deduct</i>	-5.75	
			<i>For >2,200 To 3,500, Deduct</i>	-7.33	
			<i>For >3,500, Deduct</i>	-8.92	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile.....	65.23	4.87
			<i>For >200 To 400, Deduct</i>	-1.07	
			<i>For >400 To 600, Deduct</i>	-1.60	
			<i>For >600 To 900, Deduct</i>	-2.84	
			<i>For >900 To 1,500, Deduct</i>	-4.09	
			<i>For >1,500 To 2,200, Deduct</i>	-5.93	
			<i>For >2,200 To 3,500, Deduct</i>	-7.56	
			<i>For >3,500, Deduct</i>	-9.19	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0013	SY	38 Ounce, Non Patterned, Nylon Carpet Tile.....	68.76	4.87
			<i>For >200 To 400, Deduct</i>	-1.14	
			<i>For >400 To 600, Deduct</i>	-1.70	
			<i>For >600 To 900, Deduct</i>	-3.02	
			<i>For >900 To 1,500, Deduct</i>	-4.34	
			<i>For >1,500 To 2,200, Deduct</i>	-6.28	
			<i>For >2,200 To 3,500, Deduct</i>	-8.00	
			<i>For >3,500, Deduct</i>	-9.72	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0014	SY	40 Ounce, Non Patterned, Nylon Carpet Tile.....	72.55	4.87
			<i>For >200 To 400, Deduct</i>	-1.21	
			<i>For >400 To 600, Deduct</i>	-1.82	
			<i>For >600 To 900, Deduct</i>	-3.21	
			<i>For >900 To 1,500, Deduct</i>	-4.60	
			<i>For >1,500 To 2,200, Deduct</i>	-6.66	
			<i>For >2,200 To 3,500, Deduct</i>	-8.47	
			<i>For >3,500, Deduct</i>	-10.29	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0015 SY 42 Ounce, Non Patterned, Nylon Carpet Tile.....	79.82	4.87
For >200 To 400, Deduct	-1.36	
For >400 To 600, Deduct	-2.04	
For >600 To 900, Deduct	-3.57	
For >900 To 1,500, Deduct	-5.11	
For >1,500 To 2,200, Deduct	-7.39	
For >2,200 To 3,500, Deduct	-9.38	
For >3,500, Deduct	-11.38	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0016 SY Installation Of Owner Provided Non Patterned Carpet Tiles.....	11.96	
09 68 13 00-0017 Patterned Carpet Tiles (09 68 13 00-0001)		
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018 SY 18 Ounce, Patterned, Nylon Carpet Tile.....	43.27	4.87
For >200 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.90	
For >600 To 900, Deduct	-1.70	
For >900 To 1,500, Deduct	-2.50	
For >1,500 To 2,200, Deduct	-3.67	
For >2,200 To 3,500, Deduct	-4.75	
For >3,500, Deduct	-5.83	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0019 SY 20 Ounce, Patterned, Nylon Carpet Tile.....	45.10	4.87
For >200 To 400, Deduct	-0.64	
For >400 To 600, Deduct	-0.96	
For >600 To 900, Deduct	-1.80	
For >900 To 1,500, Deduct	-2.63	
For >1,500 To 2,200, Deduct	-3.85	
For >2,200 To 3,500, Deduct	-4.98	
For >3,500, Deduct	-6.11	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0020 SY 22 Ounce, Patterned, Nylon Carpet Tile.....	50.90	4.87
For >200 To 400, Deduct	-0.76	
For >400 To 600, Deduct	-1.13	
For >600 To 900, Deduct	-2.09	
For >900 To 1,500, Deduct	-3.04	
For >1,500 To 2,200, Deduct	-4.43	
For >2,200 To 3,500, Deduct	-5.71	
For >3,500, Deduct	-6.98	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0021 SY 24 Ounce, Patterned, Nylon Carpet Tile.....	56.56	4.87
For >200 To 400, Deduct	-0.87	
For >400 To 600, Deduct	-1.30	
For >600 To 900, Deduct	-2.37	
For >900 To 1,500, Deduct	-3.43	
For >1,500 To 2,200, Deduct	-5.00	
For >2,200 To 3,500, Deduct	-6.41	
For >3,500, Deduct	-7.83	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0022 SY 26 Ounce, Patterned, Nylon Carpet Tile.....	59.86	4.87
For >200 To 400, Deduct	-0.93	
For >400 To 600, Deduct	-1.40	
For >600 To 900, Deduct	-2.53	
For >900 To 1,500, Deduct	-3.67	
For >1,500 To 2,200, Deduct	-5.33	
For >2,200 To 3,500, Deduct	-6.83	
For >3,500, Deduct	-8.32	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0023 SY 28 Ounce, Patterned, Nylon Carpet Tile.....	63.25	4.87
For >200 To 400, Deduct	-1.00	
For >400 To 600, Deduct	-1.50	
For >600 To 900, Deduct	-2.70	
For >900 To 1,500, Deduct	-3.90	
For >1,500 To 2,200, Deduct	-5.67	
For >2,200 To 3,500, Deduct	-7.25	
For >3,500, Deduct	-8.83	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0024 SY 30 Ounce, Patterned, Nylon Carpet Tile.....	64.25	4.87
For >200 To 400, Deduct	-1.02	
For >400 To 600, Deduct	-1.53	
For >600 To 900, Deduct	-2.75	
For >900 To 1,500, Deduct	-3.97	
For >1,500 To 2,200, Deduct	-5.77	
For >2,200 To 3,500, Deduct	-7.38	
For >3,500, Deduct	-8.98	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0025 SY 32 Ounce, Patterned, Nylon Carpet Tile.....	64.89	4.87
For >200 To 400, Deduct	-1.04	
For >400 To 600, Deduct	-1.55	
For >600 To 900, Deduct	-2.79	
For >900 To 1,500, Deduct	-4.02	
For >1,500 To 2,200, Deduct	-5.83	
For >2,200 To 3,500, Deduct	-7.46	
For >3,500, Deduct	-9.08	
For Cushion Backed Tile, Add	4.90	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0026 SY 34 Ounce, Patterned, Nylon Carpet Tile	65.41	4.87
For >200 To 400, Deduct	-1.05	
For >400 To 600, Deduct	-1.57	
For >600 To 900, Deduct	-2.81	
For >900 To 1,500, Deduct	-4.05	
For >1,500 To 2,200, Deduct	-5.89	
For >2,200 To 3,500, Deduct	-7.52	
For >3,500, Deduct	-9.16	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0027 SY 36 Ounce, Patterned, Nylon Carpet Tile	67.22	4.87
For >200 To 400, Deduct	-1.08	
For >400 To 600, Deduct	-1.62	
For >600 To 900, Deduct	-2.90	
For >900 To 1,500, Deduct	-4.18	
For >1,500 To 2,200, Deduct	-6.07	
For >2,200 To 3,500, Deduct	-7.75	
For >3,500, Deduct	-9.43	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0028 SY 38 Ounce, Patterned, Nylon Carpet Tile	70.80	4.87
For >200 To 400, Deduct	-1.15	
For >400 To 600, Deduct	-1.73	
For >600 To 900, Deduct	-3.08	
For >900 To 1,500, Deduct	-4.43	
For >1,500 To 2,200, Deduct	-6.42	
For >2,200 To 3,500, Deduct	-8.19	
For >3,500, Deduct	-9.96	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0029 SY 40 Ounce, Patterned, Nylon Carpet Tile	74.65	4.87
For >200 To 400, Deduct	-1.23	
For >400 To 600, Deduct	-1.85	
For >600 To 900, Deduct	-3.27	
For >900 To 1,500, Deduct	-4.70	
For >1,500 To 2,200, Deduct	-6.81	
For >2,200 To 3,500, Deduct	-8.68	
For >3,500, Deduct	-10.54	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0030 SY 42 Ounce, Patterned, Nylon Carpet Tile	82.03	4.87
For >200 To 400, Deduct	-1.38	
For >400 To 600, Deduct	-2.07	
For >600 To 900, Deduct	-3.64	
For >900 To 1,500, Deduct	-5.22	
For >1,500 To 2,200, Deduct	-7.55	
For >2,200 To 3,500, Deduct	-9.60	
For >3,500, Deduct	-11.65	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0031 SY Installation Of Owner Provided Patterned Carpet Tiles	13.69	
09 68 13 00-0032 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery		
ECO Series) <small>(09 68 13 00-0001)</small>		
Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0033 SY 24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO		
Series)	71.66	4.87
For >200 To 400, Deduct	-1.17	
For >400 To 600, Deduct	-1.76	
For >600 To 900, Deduct	-3.12	
For >900 To 1,500, Deduct	-4.49	
For >1,500 To 2,200, Deduct	-6.51	
For >2,200 To 3,500, Deduct	-8.30	
For >3,500, Deduct	-10.09	
09 68 16 Sheet Carpeting <small>(09 68)</small>		
Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001 Carpet Cushion <small>(09 68 16)</small>		
09 68 16 00-0002 Carpet Pads <small>(09 68 16 00-0001)</small>		
09 68 16 00-0003 SY Foam Rubber Carpet Padding	6.02	2.21
09 68 16 00-0004 SY Sponge Rubber Carpet Cushion	5.87	2.21
09 68 16 00-0005 SY Urethane Carpet Cushion 1/4" Thick	5.48	2.21
09 68 16 00-0006 SY Urethane Carpet Cushion 3/8" Thick	5.97	2.21
09 68 16 00-0007 SY 7/16" Thick, Rebonded, 6 LB/CF	5.57	2.21
09 68 16 00-0008 SY 3/8" Thick, Rebonded, 7 LB/CF	5.80	2.21
09 68 16 00-0009 SY 1/2" Thick, Rebonded, 8 LB/CF	6.12	2.21
09 68 16 00-0010 Residential Broadloom Carpet <small>(09 68 16)</small>		
Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0011	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	28.57	5.89
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.67	
			<i>For Up To 15, Add</i>	3.02	
			<i>For >15 To 33, Add</i>	1.51	
			<i>For >200 To 400, Deduct</i>	-0.27	
			<i>For >400 To 600, Deduct</i>	-0.40	
			<i>For >600 To 900, Deduct</i>	-0.90	
			<i>For >900, Deduct</i>	-1.40	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0012	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	31.74	5.89
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.67	
			<i>For Up To 15, Add</i>	3.02	
			<i>For >15 To 33, Add</i>	1.51	
			<i>For >200 To 400, Deduct</i>	-0.33	
			<i>For >400 To 600, Deduct</i>	-0.50	
			<i>For >600 To 900, Deduct</i>	-1.06	
			<i>For >900, Deduct</i>	-1.62	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0013	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	36.09	5.89
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.67	
			<i>For Up To 15, Add</i>	3.02	
			<i>For >15 To 33, Add</i>	1.51	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400 To 600, Deduct</i>	-0.63	
			<i>For >600 To 900, Deduct</i>	-1.28	
			<i>For >900, Deduct</i>	-1.92	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0014	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	40.64	5.89
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.67	
			<i>For Up To 15, Add</i>	3.02	
			<i>For >15 To 33, Add</i>	1.51	
			<i>For >200 To 400, Deduct</i>	-0.51	
			<i>For >400 To 600, Deduct</i>	-0.77	
			<i>For >600 To 900, Deduct</i>	-1.50	
			<i>For >900, Deduct</i>	-2.24	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0015	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	41.44	5.89
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.67	
			<i>For Up To 15, Add</i>	3.02	
			<i>For >15 To 33, Add</i>	1.51	
			<i>For >200 To 400, Deduct</i>	-0.53	
			<i>For >400 To 600, Deduct</i>	-0.79	
			<i>For >600 To 900, Deduct</i>	-1.54	
			<i>For >900, Deduct</i>	-2.30	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0016	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	42.88	6.48
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.82	
			<i>For Up To 15, Add</i>	3.23	
			<i>For >15 To 33, Add</i>	1.61	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400 To 600, Deduct</i>	-0.80	
			<i>For >600 To 900, Deduct</i>	-1.58	
			<i>For >900, Deduct</i>	-2.36	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0017	SY		48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	44.24	6.48
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.82	
			<i>For Up To 15, Add</i>	3.23	
			<i>For >15 To 33, Add</i>	1.61	
			<i>For >200 To 400, Deduct</i>	-0.56	
			<i>For >400 To 600, Deduct</i>	-0.84	
			<i>For >600 To 900, Deduct</i>	-1.65	
			<i>For >900, Deduct</i>	-2.45	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0018	SY		50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	47.60	6.48
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.82	
			<i>For Up To 15, Add</i>	3.23	
			<i>For >15 To 33, Add</i>	1.61	
			<i>For >200 To 400, Deduct</i>	-0.63	
			<i>For >400 To 600, Deduct</i>	-0.94	
			<i>For >600 To 900, Deduct</i>	-1.82	
			<i>For >900, Deduct</i>	-2.69	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0019	SY		60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	48.00	6.48
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.82	
			<i>For Up To 15, Add</i>	3.23	
			<i>For >15 To 33, Add</i>	1.61	
			<i>For >200 To 400, Deduct</i>	-0.64	
			<i>For >400 To 600, Deduct</i>	-0.96	
			<i>For >600 To 900, Deduct</i>	-1.84	
			<i>For >900, Deduct</i>	-2.71	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0020 SY 65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	49.58	6.48
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.82	
For Up To 15, Add	3.23	
For >15 To 33, Add	1.61	
For >200 To 400, Deduct	-0.67	
For >400 To 600, Deduct	-1.00	
For >600 To 900, Deduct	-1.91	
For >900, Deduct	-2.83	
For Installation On Stairs, Each Riser, Add	6.00	
 09 68 16 00-0021 Commercial Broadloom Carpet ^(09 68 16)		
Note: Level-loop pile or textured-loop pile broadloom carpet.		
 09 68 16 00-0022 Non-Patterned Broadloom Carpet ^(09 68 16 00-0021)		
09 68 16 00-0023 SY 22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.15	19.98
For Up To 15, Add	2.66	
For >15 To 33, Add	1.33	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.71	
For >600 To 900, Deduct	-1.39	
For >900, Deduct	-2.07	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0024 SY 24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.15	19.98
For Up To 15, Add	2.66	
For >15 To 33, Add	1.33	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.71	
For >600 To 900, Deduct	-1.39	
For >900, Deduct	-2.07	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0025 SY 26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.15	19.98
For Up To 15, Add	2.66	
For >15 To 33, Add	1.33	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.71	
For >600 To 900, Deduct	-1.39	
For >900, Deduct	-2.07	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0026 SY 28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	40.27	21.65
For Up To 15, Add	2.89	
For >15 To 33, Add	1.44	
For >200 To 400, Deduct	-0.52	
For >400 To 600, Deduct	-0.78	
For >600 To 900, Deduct	-1.51	
For >900, Deduct	-2.24	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0027 SY 30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	41.00	21.65
For Up To 15, Add	2.89	
For >15 To 33, Add	1.44	
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.80	
For >600 To 900, Deduct	-1.54	
For >900, Deduct	-2.29	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0028 SY 32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	41.13	21.65
For Up To 15, Add	2.89	
For >15 To 33, Add	1.44	
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.80	
For >600 To 900, Deduct	-1.55	
For >900, Deduct	-2.30	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0029 SY 34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	45.15	23.31
For Up To 15, Add	3.11	
For >15 To 33, Add	1.55	
For >200 To 400, Deduct	-0.59	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.71	
For >900, Deduct	-2.54	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0030	SY		36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	45.67	23.31
			For Up To 15, Add	3.11	
			For >15 To 33, Add	1.55	
			For >200 To 400, Deduct	-0.60	
			For >400 To 600, Deduct	-0.90	
			For >600 To 900, Deduct	-1.74	
			For >900, Deduct	-2.58	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0031	SY		38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	46.31	23.31
			For Up To 15, Add	3.11	
			For >15 To 33, Add	1.55	
			For >200 To 400, Deduct	-0.62	
			For >400 To 600, Deduct	-0.92	
			For >600 To 900, Deduct	-1.77	
			For >900, Deduct	-2.62	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0032			Patterned Broadloom Carpet <small>(09 68 16 00-0021)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0033	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.85	19.98
			For Up To 15, Add	2.93	
			For >15 To 33, Add	1.47	
			For >200 To 400, Deduct	-0.48	
			For >400 To 600, Deduct	-0.73	
			For >600 To 900, Deduct	-1.43	
			For >900, Deduct	-2.13	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0034	SY		24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.85	19.98
			For Up To 15, Add	2.93	
			For >15 To 33, Add	1.47	
			For >200 To 400, Deduct	-0.48	
			For >400 To 600, Deduct	-0.73	
			For >600 To 900, Deduct	-1.43	
			For >900, Deduct	-2.13	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0035	SY		26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.85	19.98
			For Up To 15, Add	2.93	
			For >15 To 33, Add	1.47	
			For >200 To 400, Deduct	-0.48	
			For >400 To 600, Deduct	-0.73	
			For >600 To 900, Deduct	-1.43	
			For >900, Deduct	-2.13	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0036	SY		28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.10	21.65
			For Up To 15, Add	3.17	
			For >15 To 33, Add	1.59	
			For >200 To 400, Deduct	-0.52	
			For >400 To 600, Deduct	-0.79	
			For >600 To 900, Deduct	-1.55	
			For >900, Deduct	-2.31	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0037	SY		30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.84	21.65
			For Up To 15, Add	3.17	
			For >15 To 33, Add	1.59	
			For >200 To 400, Deduct	-0.54	
			For >400 To 600, Deduct	-0.81	
			For >600 To 900, Deduct	-1.59	
			For >900, Deduct	-2.36	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0038	SY		32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.97	21.65
			For Up To 15, Add	3.17	
			For >15 To 33, Add	1.59	
			For >200 To 400, Deduct	-0.54	
			For >400 To 600, Deduct	-0.81	
			For >600 To 900, Deduct	-1.59	
			For >900, Deduct	-2.37	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0039 SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	47.14	23.31
For Up To 15, Add	3.42	
For >15 To 33, Add	1.71	
For >200 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.90	
For >600 To 900, Deduct	-1.76	
For >900, Deduct	-2.62	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040 SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	47.68	23.31
For Up To 15, Add	3.42	
For >15 To 33, Add	1.71	
For >200 To 400, Deduct	-0.61	
For >400 To 600, Deduct	-0.92	
For >600 To 900, Deduct	-1.79	
For >900, Deduct	-2.65	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041 SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	48.33	23.31
For Up To 15, Add	3.42	
For >15 To 33, Add	1.71	
For >200 To 400, Deduct	-0.62	
For >400 To 600, Deduct	-0.94	
For >600 To 900, Deduct	-1.82	
For >900, Deduct	-2.70	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042 Indoor/Outdoor Carpet (09 68 16)		
Note: Includes waterproof glue.		
09 68 16 00-0043 SY Nylon Indoor/Outdoor Carpet.....	26.68	4.42
09 68 16 00-0044 SY Ozite Indoor/Outdoor Carpet.....	22.38	4.42
09 68 16 00-0045 Carpet Accessories (09 68 16)		
09 68 16 00-0046 LF Metal Carpet Saddle Strip, Up To 4" Wide.....	2.88	0.66
09 68 16 00-0047 Removal And Reinstallation Of Carpet And Pad (09 68 16)		
Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0048 SY Remove And Reinstall Carpet And Pad.....	28.09	
09 68 16 00-0049 Carpeting Support Functions (09 68 16)		
09 68 16 00-0050 Relocate Partitions, Modular Work Stations (09 68 16 00-0049)		
Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0051 EA Relocate Modular Work Station.....	232.70	
09 68 16 00-0052 Installation Of Furnished Carpet (09 68 16)		
09 68 16 00-0053 SY Up To 24 Oz, Installation Of Carpet Only.....	11.79	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	2.32	
For >15 To 33, Add	1.16	
09 68 16 00-0054 SY 25 To 34 Oz, Installation Of Carpet Only.....	13.72	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	2.70	
For >15 To 33, Add	1.35	
09 68 16 00-0055 SY >34 Oz, Installation Of Carpet Only.....	16.42	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	3.24	
For >15 To 33, Add	1.62	
09 69 Access Flooring (09 60)		
09 69 13 Rigid-Grid Access Flooring (09 69)		
09 69 13 00-0001 Panels, No Covering (09 69 13)		
09 69 13 00-0002 SF 2' x 2' Panels - No Covering Access And Pedestal Floors.....	9.76	0.66
For Carpet Covering, Add	2.77	
For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0003 SF 2' x 2' Perforated Panels Access And Pedestal Floors.....	18.21	0.66
For Carpet Covering, Add	2.77	
For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0004 SF Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	16.98	0.73
09 69 13 00-0005 SF Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	16.98	0.73

09 Finishes**09 60 Flooring****09 69 Access Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 13 00-0006 SF Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	16.98	0.73
09 69 13 00-0007 SF Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	16.98	0.73
09 69 13 00-0008 SF Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	16.06	0.73
09 69 13 00-0009 SF Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	16.06	0.73
09 69 13 00-0010 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	18.12	0.73
09 69 13 00-0011 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	18.12	0.73
09 69 13 00-0012 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808.....	18.12	0.73
09 69 13 00-0013 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	18.12	0.73
09 69 13 00-0014 SF Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim.....	17.21	0.73
09 69 13 00-0015 SF Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	17.21	0.73
09 69 13 00-0016 SF Tate 1250AS Perforated 25% O/A Cover 1/8" Nevamar HPL ST2-2 Beige Star Trim.....	21.75	0.73
09 69 13 00-0017 SF Tate 1250AS Perforated 25% O/A Cover 1/8" Nevamar HPL ST6-1 Gray Star Trim.....	21.75	0.73
09 69 13 00-0018 Pedestals (09 69 13)		
09 69 13 00-0019 EA Pedestal, 6" To 12" Access And Pedestal Floors.....	22.53	3.32
09 69 13 00-0020 EA Standard Pedestal Assembly (8" And 12" Finished Floor Height).....	23.68	3.32
09 69 13 00-0021 EA Tate Standard Pedestal Assembly (18" And 24" Finished Floor Height).....	24.25	3.32
09 69 13 00-0022 EA Tate Standard Pedestal Assembly (30" And 36" Finished Floor Height).....	26.32	3.32
09 69 13 00-0023 Stringers (09 69 13)		
09 69 13 00-0024 LF 2' Stringers Access And Pedestal Floors.....	6.26	2.00
09 69 13 00-0025 LF 6' Stringers Access And Pedestal Floors.....	6.21	2.79
09 69 13 00-0026 EA Tate Standard 2' Bolted Stringer.....	14.36	3.99
09 69 13 00-0027 EA Tate Standard 4' Bolted Stringer.....	28.71	8.65
09 69 13 00-0028 Understructure (09 69 13)		
09 69 13 00-0029 SF Tate Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	4.81	0.99
09 69 53 Access Flooring Accessories (09 69)		
09 69 53 00-0001 Accessories (09 69 53)		
09 69 53 00-0002 LF Accessories, Handrail Access And Pedestal Floors.....	36.28	4.66
09 69 53 00-0003 LF Accessories, Fascia Plate Access And Pedestal Floors.....	15.85	4.66
09 69 53 00-0004 EA Machine Cutouts.....	121.30	
09 69 53 00-0005 SF Hammered Aluminum Finish Fascia.....	26.57	2.20
Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0006 EA Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material.....	29.54	
09 69 53 00-0007 EA Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	29.54	
09 69 53 00-0008 EA Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4.....	117.53	8.31
09 69 53 00-0009 EA Flush Mounted Telephone Box (Grey/Black/Communications).....	84.87	8.31
Note: Includes cut hole.		
09 69 53 00-0010 EA Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4.....	117.53	8.31
09 69 53 00-0011 EA Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	58.28	1.33
09 69 53 00-0012 Final Cleaning For Computer Room Raised Floor System (09 69 53)		
Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013 SF Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	2.25	
09 69 53 00-0014 SF Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	2.32	
09 69 53 00-0015 SF Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	2.30	
09 70 Wall Finishes (09)		
09 72 Wall Coverings (09 70)		
09 72 13 Cork Wall Coverings (09 72)		
09 72 13 00-0001 Cork Wall Covering (09 72 13)		
09 72 13 00-0002 SF 1/8" Cork Wall Covering.....	3.99	0.69
09 72 13 00-0003 SF 1/4" Cork Wall Covering.....	4.90	0.69
09 72 13 00-0004 SF 1/2" Cork Wall Covering.....	5.63	0.69
09 72 13 00-0005 SF 3/4" Cork Wall Covering.....	7.76	0.69
09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)		
09 72 16 00-0001 Vinyl Wall Coverings (09 72 16)		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 00-0002 SF Vinyl Wall Covering, 7-10 Oz/SY.....	1.57	0.69
For Owner Furnished Material, Deduct	-0.49	
09 72 16 00-0003 SF Vinyl Wall Covering, 11-14 Oz/SY.....	1.87	0.69
For Owner Furnished Material, Deduct	-0.72	
09 72 16 00-0004 SF Vinyl Wall Covering, 20-25 Oz/SY.....	2.47	0.69
For Owner Furnished Material, Deduct	-1.03	



Finishes	09	
Wall Finishes	09 70	2
Wall Coverings	09 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 72 16 00-0005	SF		Vinyl Wall Covering, 26-32 Oz/SY <i>For Owner Furnished Material, Deduct</i>	2.76 -1.26	0.69
09 72 16 00-0006	SF		Vinyl Wall Covering, 33-38 Oz/SY <i>For Owner Furnished Material, Deduct</i>	3.68 -2.11	0.69
09 72 19 Textile Wall Coverings (09 72)					
09 72 19 00-0001			Wall Fabrics (09 72 19)		
09 72 19 00-0002	SF		Wall Covering, Natural Fabric, Grass Cloth	4.10	0.69
09 72 19 00-0003	SF		Wall Covering, Grass Cloth	4.48	0.69
09 72 19 00-0004	SF		Wall Covering, Burlap	3.48	0.69
09 72 19 00-0005	SF		Flexible Gypsum Coated Wall Fabric, Fire Resistant	2.95	0.69
09 72 19 00-0006	SF		Acoustical Wall Cover	4.91	0.69
09 72 19 00-0007			Natural Fiber Resilient Wallcovering (09 72 19)		
09 72 19 00-0008	SY		Sisal Wall Covering - 48 To 54 Oz/SY With Adhesive (4', 8', 12' Widths) <i>For Fire Rated Adhesive, UBC 42-2, Add</i>	51.22 0.11	4.66
09 72 23 Wallpapering (09 72)					
09 72 23 00-0001			Wallpaper Coverings (09 72 23) Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF		Average Quality Wallpaper (Standard Grade)	1.89	0.92
09 72 23 00-0003	SF		High Quality Wallpaper (Designer Grade)	3.17	1.18
09 72 23 00-0004	SF		Ceiling Paper	2.86	1.73
09 73 Wall Carpeting (09 70)					
09 73 00 00-0001			Carpet Wall Covering (09 73)		
09 73 00 00-0002	SY		Nylon 28 Oz Carpet	28.80	9.97
09 73 00 00-0003	SY		Nylon 32 Oz Carpet	29.34	9.97
09 73 00 00-0004	SY		Nylon 34 Oz Carpet	31.87	10.97
09 73 00 00-0005	SY		Nylon 35 Oz Carpet	33.73	11.64
09 73 00 00-0006	SY		Nylon 36 Oz Carpet	35.65	12.30
09 73 00 00-0007	SY		Nylon 38 Oz Carpet	36.30	12.30
09 73 00 00-0008	SY		Nylon 40 Oz Carpet	37.67	12.63
09 73 00 00-0009	SY		Nylon 42 Oz Carpet	39.16	12.96
09 74 Flexible Wood Sheets (09 70)					
09 74 16			Flexible Wood Veneers (09 74)		
09 74 16 00-0001			Walnut (09 74 16)		
09 74 16 00-0002	SF		Walnut 1/32 In Thick Flexible Wood Veneer	7.93	2.78
09 74 16 00-0003			Exotic Wood (09 74 16)		
09 74 16 00-0004	SF		Exotic Wood 1/32 Thick, Flexible Wood Veneer	10.60	2.78
09 77 Special Wall Surfacing (09 70)					
09 77 00 00-0001			Corian Wall Panels (09 77)		
09 77 00 00-0002			Wall Panels (09 77 00 00-0001)		
09 77 00 00-0003	SF		1/4" Corian Wall Panels, Sea Grass <i>For >500, Deduct</i>	23.40 1.58	3.79
09 77 00 00-0004	SF		1/4" Corian Wall Panels, Aqua <i>For >500, Deduct</i>	27.76 2.02	3.79
09 77 00 00-0005	SF		1/4" Corian Wall Panels, Everest <i>For >500, Deduct</i>	29.56 2.20	3.79
09 77 00 00-0006			Corian Corner Guards For Wall Panels (09 77 00 00-0001)		
09 77 00 00-0007	SF		1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	61.58	3.02
09 77 00 00-0008	SF		1/2" Curved Corner Guard For Corian Wall Panels, Aqua	66.40	3.02
09 77 00 00-0009	SF		1/2" Curved Corner Guard For Corian Wall Panels, Everest	60.15	3.02
09 80 Acoustic Treatment (09)					
09 81 Acoustic Insulation (09 80)					
09 81 16			Acoustic Blanket Insulation (09 81)		

09 Finishes**09 80 Acoustic Treatment****09 81 Acoustic Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 81 16 00-0001	Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16)</small>		
09 81 16 00-0002	2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16 00-0001)</small>		
09 81 16 00-0003	SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.23	0.23
09 81 16 00-0004	SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.31	0.23
09 81 16 00-0005	SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.42	0.23
09 81 16 00-0006	SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.50	0.23
09 81 16 00-0007	SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.61	0.23
09 81 16 00-0008	SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.72	0.23
09 81 16 00-0009	SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.86	0.23
09 81 16 00-0010	SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.02	0.23
09 81 16 00-0011	4 PCF Density, Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16 00-0001)</small>		
09 81 16 00-0012	SF 1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.21	0.23
09 81 16 00-0013	Sound Attenuation Batts <small>(09 81 16)</small>		
	Note: NoiseReducer® by Certaineed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014	SF 2-1/2" Thick, Unfaced Sound Attenuation Batt	0.76	0.30
09 81 16 00-0015	SF 3-1/2" Thick, Unfaced Sound Attenuation Batt	0.81	0.30
09 81 16 00-0016	SF 3-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.83	0.30
09 81 16 00-0017	SF 5-1/2" Thick, Unfaced Sound Attenuation Batt	0.91	0.30
09 81 16 00-0018	SF 5-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.94	0.30
09 81 16 00-0019	SF 6-1/4" Thick, Unfaced Sound Attenuation Batt	0.93	0.30
09 81 16 00-0020	SF 6-1/4" Thick, Kraft Faced Sound Attenuation Batt	0.96	0.30
09 84	Acoustic Room Components <small>(09 80)</small>		
09 84 13	Fixed Sound-Absorptive Panels <small>(09 84)</small>		
09 84 13 00-0001	Sound Absorbing Panels And Attenuation Blankets <small>(09 84 13)</small>		
	Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.		
09 84 13 00-0002	SF 3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	7.10	1.51
09 84 13 00-0003	SF 1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	10.33	1.51
09 84 13 00-0004	Sound Absorbing Acoustical Wall Panel System <small>(09 84 13)</small>		
	See CSI section 06 11 16 00-0185 for wood furring.		
09 84 13 00-0005	Fiberglass, Sound Absorbing Wall Panel System <small>(09 84 13 00-0004)</small>		
	Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.		
09 84 13 00-0006	SF Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall)	10.44	1.70
09 84 13 00-0007	SF Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	12.50	1.70
09 84 13 00-0008	Sound Absorbing Panel, Eggcrate Style <small>(09 84 13)</small>		
	Note: Ceiling or wall hung back.		
09 84 13 00-0009	SF 2" Thick Polyurethane Sound Wave (Eggcrate Style)	7.35	
	For Pyramid Style, Add	1.18	
09 84 13 00-0010	SF 3" Thick Polyurethane Sound Wave (Eggcrate Style)	9.72	
	For Pyramid Style, Add	1.18	
09 84 13 00-0011	SF 4" Thick Polyurethane Sound Wave (Eggcrate Style)	12.69	
	For Pyramid Style, Add	1.18	
09 84 13 00-0012	SF 2" Thick Melamine Sound Wave (Eggcrate Style)	9.54	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	2.05	
	For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0013	SF 3" Thick Melamine Sound Wave (Eggcrate Style)	19.06	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	0.42	
	For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0014	SF 4" Thick Melamine Sound Wave (Eggcrate Style)	24.39	
	For Eggcrate Style With Hypalon Coating, Add	1.97	
	For Pyramid Style, Add	0.42	
	For Pyramid Style With Hypalon Coating, Add	2.40	
09 85	Acoustic Sound Deadening <small>(09 80)</small>		
09 85 00 00-0001	Sound Deadening Fiberboard <small>(09 85)</small>		
09 85 00 00-0002	SF 1/2" Sound Deadening Fiberboard	0.97	0.38
	For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.34	
	For Horizontal Installation Up To 10' High, Add	0.23	
	For Horizontal Installation >10' High, Add	0.34	
	For Walls >10' High, Add	0.05	
	For Up To 128, Add	0.40	
	For >128 To 320, Add	0.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 90 Painting And Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.

09 91 Painting (09 90)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001 Walls/Siding (09 91 13)

09 91 13 00-0002 Brick Surfaces (09 91 13 00-0001)

09 91 13 00-0003	SF Paint Exterior Brick 1 Coat Filler, Brush Work	0.72	
	For Oil Based Paint, Add	0.04	
	For Work >20', Add	0.15	
	<i>Note: Applied only to work area above 20'.</i>		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0004	SF Paint Exterior Brick 1 Coat Paint, Brush Work	1.03	
	For Oil Based Paint, Add	0.06	
	For Work >20', Add	0.22	
	<i>Note: Applied only to work area above 20'.</i>		
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.21	
09 91 13 00-0005	SF Paint Exterior Brick 2 Coats Paint, Brush Work	1.49	
	For Oil Based Paint, Add	0.09	
	For Work >20', Add	0.30	
	<i>Note: Applied only to work area above 20'.</i>		
	For Up To 100, Add	0.95	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 13 00-0006	SF Paint Exterior Brick 1 Coat Filler, Brush/Roller Work	0.47	
	For Oil Based Paint, Add	0.03	
	For Work >20', Add	0.09	
	<i>Note: Applied only to work area above 20'.</i>		
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	
09 91 13 00-0007	SF Paint Exterior Brick 1 Coat Paint, Brush/Roller Work	0.79	
	For Oil Based Paint, Add	0.05	
	For Work >20', Add	0.15	
	<i>Note: Applied only to work area above 20'.</i>		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0008	SF Paint Exterior Brick 2 Coats Paint, Brush/Roller Work	1.16	
	For Oil Based Paint, Add	0.07	
	For Work >20', Add	0.21	
	<i>Note: Applied only to work area above 20'.</i>		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009	SF		Paint Exterior Brick 1 Coat Filler, Spray.....	0.47	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0010	SF		Paint Exterior Brick 1 Coat Paint, Spray	0.46	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0011	SF		Paint Exterior Brick 2 Coats Paint, Spray.....	1.00	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0012			Concrete Surface (09 91 13 00-0001)		
09 91 13 00-0013	SF		Paint Exterior Concrete, 1 Coat Filler, Brush Work.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0014	SF		Paint Exterior Concrete, 1 Coat Paint, Brush Work.....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0015	SF		Paint Exterior Concrete, 2 Coats Paint, Brush Work.....	1.26	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0016	SF		Paint Exterior Concrete, 1 Coat Filler, Brush/Roller Work.....	0.49	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0017 SF Paint Exterior Concrete, 1 Coat Paint, Brush/Roller Work	0.57	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0018 SF Paint Exterior Concrete, 2 Coats Paint, Brush/Roller Work	0.95	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0019 SF Paint Exterior Concrete, 1 Coat Filler, Spray	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0020 SF Paint Exterior Concrete, 1 Coat Paint, Spray	0.39	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0021 SF Paint Exterior Concrete, 2 Coats Paint, Spray	0.68	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0022 Concrete Block Surfaces (09 91 13 00-0001)		
09 91 13 00-0023 Concrete Block, Epoxy Paint (09 91 13 00-0022)		
09 91 13 00-0024 SF Paint Exterior Concrete Block, 1 Coat Filler, Brush Work	0.85	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0025 SF Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush	0.98	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush Work.....	1.70	
			For Work >20', Add	0.34	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 13 00-0027	SF		Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work.....	0.69	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0028	SF		Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.77	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0029	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush/Roller Work.....	1.34	
			For Work >20', Add	0.25	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0030	SF		Paint Exterior Concrete Block, 1 Coat Filler, Sprayed.....	0.66	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0031	SF		Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Sprayed.....	0.62	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0032	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Sprayed.....	1.17	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 13 00-0033			Concrete Block Surfaces, Acrylic Latex Paint (09 91 13 00-0022)		
09 91 13 00-0034	SF		Paint Exterior Concrete Block, 1 Coat Filler, Brush Work.....	0.79	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0035 SF Paint Exterior Concrete Block, 1 Coat Paint, Brush Work.....	0.93	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0036 SF Paint Exterior Concrete Block, 2 Coats Paint, Brush Work.....	1.70	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 13 00-0037 SF Paint Exterior Concrete Block, Texture Coat, Brush Work.....	1.04	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0038 SF Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work.....	0.62	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0039 SF Paint Exterior Concrete Block, 1 Coat Paint, Brush/Roller Work.....	0.79	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0040 SF Paint Exterior Concrete Block, 2 Coats Paint, Brush/Roller Work.....	1.34	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0041 SF Paint Exterior Concrete Block, Texture Coat, Brush/Roller Work.....	0.88	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF		Paint Exterior Concrete Block, 1 Coat Filler, Spray.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0043	SF		Paint Exterior Concrete Block, 1 Coat Paint, Spray.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0044	SF		Paint Exterior Concrete Block, 2 Coats Paint, Spray.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0045	SF		Paint Exterior Concrete Block, Texture Coat, Spray.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0046			Drywall/Plaster Surfaces <small>(09 91 13 00-0001)</small>		
09 91 13 00-0047	SF		Paint Exterior Drywall/Plaster, 1 Coat Primer, Brush Work.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.09	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0048	SF		Paint Exterior Drywall/Plaster, 1 Coat Paint, Brush Work.....	0.70	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.10	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0049	SF		Paint Exterior Drywall/Plaster, 2 Coats Paint, Brush Work.....	1.26	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.18	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0050 SF Paint Exterior Drywall/Plaster, 1 Coat Primer, Brush/Roller Work	0.49	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0051 SF Paint Exterior Drywall/Plaster, 1 Coat Paint, Brush/Roller Work	0.51	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0052 SF Paint Exterior Drywall/Plaster, 2 Coats Paint, Brush/Roller Work	0.93	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0053 SF Paint Exterior Drywall/Plaster, 1 Coat Primer, Spray	0.43	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0054 SF Paint Exterior Drywall/Plaster, 1 Coat Paint, Spray	0.46	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0055 SF Paint Exterior Drywall/Plaster, 2 Coats Paint, Spray	0.88	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0056 Metal Surfaces (09 91 13 00-0001)		
09 91 13 00-0057 Galvanized Surfaces, Galvanized Primer (09 91 13 00-0056)		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0058 SF Paint Exterior Galvanized Surfaces, One Coat Primer, Brush Work	0.74	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0059	SF		Paint Exterior Galvanized Surfaces, One Coat Paint, Brush Work	0.83	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 13 00-0060	SF		Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush Work	1.49	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0061	SF		Paint Exterior Galvanized Surfaces, One Coat Primer, Brush/Roller Work	0.55	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0062	SF		Paint Exterior Galvanized Surfaces, One Coat Paint, Brush/Roller Work	0.64	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0063	SF		Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush/Roller Work	1.18	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0064	SF		Paint Exterior Galvanized Surfaces, One Primer, Sprayed	0.43	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91 13 00-0065	SF		Paint Exterior Galvanized Surfaces, One Paint, Sprayed	0.60	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0066	SF		Paint Exterior Galvanized Surfaces, Two Coats Paint, Sprayed	0.98	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	

09 91 13 00-0067 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 13 00-0056)

Note: Alkyd enamel paint.



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0068 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush Work.....	0.74	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0069 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush Work.....	0.83	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0070 SF Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush Work.....	1.48	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0071 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush/Roller Work.....	0.59	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0072 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush/Roller Work.....	0.68	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0073 SF Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush/Roller Work.....	1.26	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0074 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat, Sprayed.....	0.49	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0075 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Sprayed.....	0.60	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0076 SF Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Sprayed.....	0.98	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0077 Aluminum And Aluminum Alloy, Heat Resistant (09 91 13 00-0056)		
09 91 13 00-0078 LF Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Primer, Per LF Of Stack	10.61	
For Work >20', Add	2.46	
Note: Applied only to work area above 20'.		
For Up To 100, Add	7.48	
For >100 To 250, Add	3.52	
For >250 To 500, Add	1.51	
For >2,500 To 5,000, Deduct	-0.53	
For >5,000 To 10,000, Deduct	-1.06	
For >10,000 To 20,000, Deduct	-1.59	
For >20,000, Deduct	-2.12	
09 91 13 00-0079 LF Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Paint, Per LF Of Stack.....	11.80	
For Work >20', Add	2.73	
Note: Applied only to work area above 20'.		
For Up To 100, Add	8.32	
For >100 To 250, Add	3.91	
For >250 To 500, Add	1.68	
For >2,500 To 5,000, Deduct	-0.59	
For >5,000 To 10,000, Deduct	-1.18	
For >10,000 To 20,000, Deduct	-1.77	
For >20,000, Deduct	-2.36	
09 91 13 00-0080 LF Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, Two Coats Paint, Per LF Of Stack.....	22.09	
For Work >20', Add	5.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	15.62	
For >100 To 250, Add	7.34	
For >250 To 500, Add	3.16	
For >2,500 To 5,000, Deduct	-1.10	
For >5,000 To 10,000, Deduct	-2.21	
For >10,000 To 20,000, Deduct	-3.31	
For >20,000, Deduct	-4.42	
09 91 13 00-0081 Corrugated Metal Surfaces (09 91 13 00-0056)		
09 91 13 00-0082 SF Paint Exterior Corrugated Metal Surfaces, One Primer, Sprayed	0.54	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0083 SF Paint Exterior Corrugated Metal Surfaces, One Paint, Sprayed	0.76	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0084 SF Paint Exterior Corrugated Metal Surfaces, Two Coats Paint, Sprayed	1.23	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0085 Stucco Surfaces (09 91 13 00-0001)		



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0086 SF Paint Exterior Stucco Surfaces One Coat Primer, Brush Work.....	1.06	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0087 SF Paint Exterior Stucco Surfaces One Coat Paint, Brush Work.....	1.17	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0088 SF Paint Exterior Stucco Surfaces, Two Coats Paint, Brush Work.....	2.16	
For Oil Based Paint, Add	0.12	
For Work >20', Add	0.47	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.45	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 13 00-0089 SF Paint Exterior Stucco Surfaces One Coat Primer, Brush/Roller Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0090 SF Paint Exterior Stucco Surfaces One Coat Paint, Brush/Roller Work.....	0.91	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0091 SF Paint Exterior Stucco Surfaces, Two Coats Paint, Brush/Roller Work.....	1.66	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0092 SF Paint Exterior Stucco Surfaces One Coat Primer, Sprayed.....	0.69	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0093	SF		Paint Exterior Stucco Surfaces One Coat Paint, Sprayed.....	0.73	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0094	SF		Paint Exterior Stucco Surfaces, Two Coats Paint, Sprayed.....	1.42	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0095			Wood Surfaces (09 91 13 00-0001)		
09 91 13 00-0096			Smooth Wood (09 91 13 00-0095)		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0097	SF		Paint Exterior Wood Smooth Siding, One Coat Primer, Brush Work	0.77	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0098	SF		Paint Exterior Wood Smooth Siding, One Coat Paint, Brush Work.....	0.81	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0099	SF		Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush Work.....	1.44	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0100	SF		Paint Exterior Wood Smooth Siding, One Coat Primer, Brush/Roller Work	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0101	SF		Paint Exterior Wood Smooth Siding, One Coat Paint, Brush/Roller Work	0.66	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102 SF Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush/Roller Work	1.22	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0103 SF Paint Exterior Wood Smooth Siding, One Coat Primer, Sprayed.....	0.49	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0104 SF Paint Exterior Wood Smooth Siding, One Coat Paint, Sprayed.....	0.60	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0105 SF Paint Exterior Wood Smooth Siding, Two Coats Paint, Sprayed	0.96	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0106 Rough Wood <small>(09 91 13 00-0095)</small>		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush Work.....	1.19	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0108 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush Work.....	1.20	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.27	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0109 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush Work	2.22	
For Oil Based Paint, Add	0.12	
For Work >20', Add	0.50	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.52	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0110	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush/Roller Work	1.03	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0111	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush/Roller Work	1.12	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0112	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush/Roller Work	2.05	
			For Oil Based Paint, Add	0.13	
			For Work >20', Add	0.39	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0113	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Sprayed	0.77	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0114	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Sprayed	0.88	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0115	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Sprayed	1.63	
			For Oil Based Paint, Add	0.10	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.33	
09 91 13 00-0116			Vinyl Surfaces (09 91 13 00-0001)		
09 91 13 00-0117	SF		Paint Exterior Vinyl Siding, One Coat Primer, Brush Work	0.66	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	



	Finishes	09
	Painting And Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0118 SF Paint Exterior Vinyl Siding, One Coat Paint, Brush Work	0.73	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0119 SF Paint Exterior Vinyl Siding, Two Coats Paint, Brush Work.....	1.33	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0120 SF Paint Exterior Vinyl Siding, One Coat Primer, Brush/Roller Work.....	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0121 SF Paint Exterior Vinyl Siding, One Coat Paint, Brush/Roller Work	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0122 SF Paint Exterior Vinyl Siding, Two Coats Paint, Brush/Roller Work	1.09	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0123 SF Paint Exterior Vinyl Siding, One Coat Primer, Sprayed	0.53	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0124 SF Paint Exterior Vinyl Siding, One Coat Paint, Sprayed.....	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0125	SF		Paint Exterior Vinyl Siding, Two Coats Paint, Sprayed	1.15	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0126			Ceilings (09 91 13)		
09 91 13 00-0127			Concrete (09 91 13 00-0126)		
09 91 13 00-0128	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work	0.70	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0129	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work	0.77	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0130	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work	1.37	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.12	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0131	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.53	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0132	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.60	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0133 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.10	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0134 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Spray	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0135 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Spray	0.54	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0136 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Spray	0.86	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0137 Drywall/Plaster (09 91 13 00-0126)		
09 91 13 00-0138 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	0.71	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0139 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.77	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.11	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140	SF		Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	1.37	
			For Oil Based Paint, Add	0.08	
			For Orange Peel Finish, Add	0.20	
			For Epoxy Paint, Add	0.12	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0141	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.52	
			For Oil Based Paint, Add	0.03	
			For Orange Peel Finish, Add	0.07	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0142	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.60	
			For Oil Based Paint, Add	0.03	
			For Orange Peel Finish, Add	0.08	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0143	SF		Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.10	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.15	
			For Epoxy Paint, Add	0.10	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0144	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Spray.....	0.45	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0145	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Spray.....	0.54	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0146 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Spray.....	0.86	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0147 Wood (09 91 13 00-0126)		
09 91 13 00-0148 Smooth Wood (09 91 13 00-0147)		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0149 SF Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush Work	0.86	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0150 SF Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush Work.....	0.89	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0151 SF Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush Work.....	1.62	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0152 SF Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush/Roller Work	0.68	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0153 SF Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush/Roller Work	0.74	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0154 SF Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush/Roller Work	1.31	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0155	SF		Paint Exterior Wood Smooth Ceiling, One Coat Primer, Sprayed.....	0.56	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0156	SF		Paint Exterior Wood Smooth Ceiling, One Coat Paint, Sprayed.....	0.56	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0157	SF		Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Sprayed.....	1.01	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0158			Rough Wood <small>(09 91 13 00-0147)</small>		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0159	SF		Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush Work.....	1.28	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.27	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0160	SF		Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush Work.....	1.33	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0161	SF		Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush Work.....	2.31	
			For Oil Based Paint, Add	0.13	
			For Work >20', Add	0.52	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.59	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 91 13 00-0162	SF		Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush/Roller Work.....	1.12	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0163 SF Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush/Roller Work	1.20	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0164 SF Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush/Roller Work	2.13	
For Oil Based Paint, Add	0.13	
For Work >20', Add	0.41	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.29	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 13 00-0165 SF Paint Exterior Wood Rough Ceiling, One Coat Primer, Sprayed	0.87	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0166 SF Paint Exterior Wood Rough Ceiling, One Coat Paint, Sprayed.....	0.98	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0167 SF Paint Exterior Wood Rough Ceiling, Two Coats Paint, Sprayed.....	1.75	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0168 Metal <small>(09 91 13 00-0126)</small>		
09 91 13 00-0169 Galvanized Surfaces, Galvanized Primer <small>(09 91 13 00-0168)</small>		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0170 SF Paint Exterior Galvanized Ceiling, One Coat Primer, Brush Work	0.83	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0171 SF Paint Exterior Galvanized Ceiling, One Coat Paint, Brush Work	0.91	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0172	SF		Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush Work.....	1.65	
			For Work >20', Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0173	SF		Paint Exterior Galvanized Ceiling, One Coat Primer, Brush/Roller Work.....	0.63	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0174	SF		Paint Exterior Galvanized Ceiling, One Coat Paint, Brush/Roller Work.....	0.71	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0175	SF		Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush/Roller Work.....	1.25	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0176	SF		Paint Exterior Galvanized Ceiling, One Primer, Sprayed.....	0.60	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0177	SF		Paint Exterior Galvanized Ceiling, One Paint, Sprayed.....	0.60	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0178	SF		Paint Exterior Galvanized Ceiling, Two Coats Paint, Sprayed.....	1.08	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0179			Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 13 00-0168)		
			Note: Alkyd enamel paint.		
09 91 13 00-0180	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush Work.....	0.83	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush Work	0.91	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0182 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush Work.....	1.65	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0183 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush/Roller Work.....	0.68	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0184 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush/Roller Work.....	0.76	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0185 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush/Roller Work.....	1.35	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0186 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat, Sprayed.....	0.60	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0187 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Sprayed.....	0.60	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0188 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Sprayed.....	1.08	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	

09 91 13 00-0189 Corrugated Metal Surfaces (09 91 13 00-0188)

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190	SF		Paint Exterior Corrugated Metal Ceiling, One Primer, Sprayed	0.65	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0191	SF		Paint Exterior Corrugated Metal Ceiling, One Paint, Sprayed.....	0.76	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0192	SF		Paint Exterior Corrugated Metal Ceiling, Two Coats Paint, Sprayed	1.37	
			For Work >20', Add	0.25	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0193			Floors <small>(09 91 13)</small>		
09 91 13 00-0194			Concrete <small>(09 91 13 00-0193)</small>		
09 91 13 00-0195	SF		Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush Work	0.53	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0196	SF		Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush Work.....	0.60	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0197	SF		Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush Work.....	1.10	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0198	SF		Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush/Roller Work.....	0.43	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91 13 00-0199	SF		Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush/Roller Work	0.51	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0200 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush/Roller Work	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0201 SF Paint Exterior Concrete Floors And Decks, One Coat Primer, Sprayed	0.34	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0202 SF Paint Exterior Concrete Floors And Decks, One Coat Paint, Sprayed.....	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0203 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Sprayed.....	0.75	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0204 SF Paint Exterior Concrete Floors And Decks, One Coat Non Slip Paint, Brush/Roller Work.....	1.20	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0205 SF Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work.....	2.68	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.54	
09 91 13 00-0206 SF Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.30	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.50	
For >20,000, Deduct	-0.66	
09 91 13 00-0207 Wood (09 91 13 00-0193)		
09 91 13 00-0208 SF Paint Exterior Wood Floors And Decks, One Coat Primer, Brush Work	0.66	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0209 SF Paint Exterior Wood Floors And Decks, One Coat Paint, Brush Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0210	SF	Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush Work.....	1.35	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.27	
09 91	13 00-0211	SF	Paint Exterior Wood Floors And Decks, One Coat Primer, Brush/Roller Work.....	0.60	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91	13 00-0212	SF	Paint Exterior Wood Floors And Decks, One Coat Paint, Brush/Roller Work	0.58	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91	13 00-0213	SF	Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush/Roller Work.....	1.05	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91	13 00-0214	SF	Paint Exterior Wood Floors And Decks, One Coat Primer, Sprayed.....	0.45	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91	13 00-0215	SF	Paint Exterior Wood Floors And Decks, One Coat Paint, Sprayed.....	0.45	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91	13 00-0216	SF	Paint Exterior Wood Floors And Decks, Two Coats Paint, Sprayed	0.90	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	
09 91	13 00-0217	SF	Paint Exterior Wood Floors And Decks, One Coat Non Slip Paint, Brush Work	1.29	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.26	
09 91	13 00-0218	SF	Paint Exterior Wood Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work	3.39	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.22	
			<i>For >2,500 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000 To 10,000, Deduct</i>	-0.34	
			<i>For >10,000 To 20,000, Deduct</i>	-0.51	
			<i>For >20,000, Deduct</i>	-0.68	
09 91	13 00-0219		Doors And Windows (09 91 13)		
09 91	13 00-0220		Frames (09 91 13 00-0219)		
09 91	13 00-0221	LF	Paint Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.89	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.23	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222 LF Paint Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.17	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.30	
09 91 13 00-0223 LF Paint Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.97	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.51	
09 91 13 00-0224 LF Paint Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.88	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.23	
09 91 13 00-0225 LF Paint Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.16	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.30	
09 91 13 00-0226 LF Paint Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.96	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.51	
09 91 13 00-0227 Steel Doors <small>(09 91 13 00-0219)</small>		
09 91 13 00-0228 EA Paint Exterior Door, One Face, 1 Coat Primer, Brush/Roller Work.....	34.23	
<i>For Half Louvered Door, Add</i>	3.74	
<i>For Full Louvered Door, Add</i>	6.23	
<i>For Electrostatic Painting, Add</i>	4.82	
<i>For >5 To 10, Deduct</i>	-1.71	
<i>For >10 To 25, Deduct</i>	-3.42	
<i>For >25, Deduct</i>	-5.13	
09 91 13 00-0229 EA Paint Exterior Door, One Face, 1 Coat Paint, Brush/Roller Work.....	34.23	
<i>For Half Louvered Door, Add</i>	3.74	
<i>For Full Louvered Door, Add</i>	6.23	
<i>For Electrostatic Painting, Add</i>	4.82	
<i>For >5 To 10, Deduct</i>	-1.71	
<i>For >10 To 25, Deduct</i>	-3.42	
<i>For >25, Deduct</i>	-5.13	
09 91 13 00-0230 EA Paint Exterior Door, One Face, 2 Coats Paint, Brush/Roller Work.....	60.58	
<i>For Half Louvered Door, Add</i>	6.31	
<i>For Full Louvered Door, Add</i>	10.52	
<i>For Electrostatic Painting, Add</i>	8.83	
<i>For >5 To 10, Deduct</i>	-3.03	
<i>For >10 To 25, Deduct</i>	-6.06	
<i>For >25, Deduct</i>	-9.09	
09 91 13 00-0231 EA Paint Exterior Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	61.41	
<i>For Half Louvered Door, Add</i>	6.70	
<i>For Full Louvered Door, Add</i>	11.17	
<i>For Electrostatic Painting, Add</i>	8.65	
<i>For >5 To 10, Deduct</i>	-3.07	
<i>For >10 To 25, Deduct</i>	-6.14	
<i>For >25, Deduct</i>	-9.21	
09 91 13 00-0232 EA Paint Exterior Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	61.41	
<i>For Half Louvered Door, Add</i>	6.70	
<i>For Full Louvered Door, Add</i>	11.17	
<i>For Electrostatic Painting, Add</i>	8.65	
<i>For >5 To 10, Deduct</i>	-3.07	
<i>For >10 To 25, Deduct</i>	-6.14	
<i>For >25, Deduct</i>	-9.21	
09 91 13 00-0233 EA Paint Exterior Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	109.05	
<i>For Half Louvered Door, Add</i>	11.34	
<i>For Full Louvered Door, Add</i>	18.89	
<i>For Electrostatic Painting, Add</i>	15.93	
<i>For >5 To 10, Deduct</i>	-5.45	
<i>For >10 To 25, Deduct</i>	-10.91	
<i>For >25, Deduct</i>	-16.36	
09 91 13 00-0234 EA Paint Exterior Door, One Face, 1 Coat Primer, Spray.....	26.85	
<i>For Half Louvered Door, Add</i>	2.49	
<i>For Full Louvered Door, Add</i>	4.15	
<i>For Electrostatic Painting, Add</i>	4.22	
<i>For >5 To 10, Deduct</i>	-1.34	
<i>For >10 To 25, Deduct</i>	-2.69	
<i>For >25, Deduct</i>	-4.03	
09 91 13 00-0235 EA Paint Exterior Door, One Face, 1 Coat Paint, Spray.....	26.85	
<i>For Half Louvered Door, Add</i>	2.49	
<i>For Full Louvered Door, Add</i>	4.15	
<i>For Electrostatic Painting, Add</i>	4.22	
<i>For >5 To 10, Deduct</i>	-1.34	
<i>For >10 To 25, Deduct</i>	-2.69	
<i>For >25, Deduct</i>	-4.03	
09 91 13 00-0236 EA Paint Exterior Door, One Face, 2 Coats Paint, Spray.....	48.40	
<i>For Half Louvered Door, Add</i>	4.21	
<i>For Full Louvered Door, Add</i>	7.01	
<i>For Electrostatic Painting, Add</i>	7.89	
<i>For >5 To 10, Deduct</i>	-2.42	
<i>For >10 To 25, Deduct</i>	-4.84	
<i>For >25, Deduct</i>	-7.26	
09 91 13 00-0237 EA Paint Exterior Door, Both Faces, 1 Coat Primer, Spray.....	48.19	
<i>For Half Louvered Door, Add</i>	4.47	
<i>For Full Louvered Door, Add</i>	7.44	
<i>For Electrostatic Painting, Add</i>	7.58	
<i>For >5 To 10, Deduct</i>	-2.41	
<i>For >10 To 25, Deduct</i>	-4.82	
<i>For >25, Deduct</i>	-7.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0238	EA	Paint Exterior Door, Both Faces, 1 Coat Paint, Spray.....	48.19	
			<i>For Half Louvered Door, Add</i>	4.47	
			<i>For Full Louvered Door, Add</i>	7.44	
			<i>For Electrostatic Painting, Add</i>	7.58	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-4.82	
			<i>For >25, Deduct</i>	-7.23	
09 91	13 00-0239	EA	Paint Exterior Door, Both Faces, 2 Coats Paint, Spray.....	87.21	
			<i>For Half Louvered Door, Add</i>	7.56	
			<i>For Full Louvered Door, Add</i>	12.60	
			<i>For Electrostatic Painting, Add</i>	14.25	
			<i>For >5 To 10, Deduct</i>	-4.36	
			<i>For >10 To 25, Deduct</i>	-8.72	
			<i>For >25, Deduct</i>	-13.08	
09 91	13 00-0240	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	1.86	
			<i>For Electrostatic Painting, Add</i>	0.21	
09 91	13 00-0241	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	1.92	
			<i>For Electrostatic Painting, Add</i>	0.23	
09 91	13 00-0242	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	3.97	
			<i>For Electrostatic Painting, Add</i>	0.46	
09 91	13 00-0243	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	2.15	
			<i>For Electrostatic Painting, Add</i>	0.24	
09 91	13 00-0244	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	2.21	
			<i>For Electrostatic Painting, Add</i>	0.25	
09 91	13 00-0245	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	4.27	
			<i>For Electrostatic Painting, Add</i>	0.49	
09 91	13 00-0246		Wood Doors <small>(09 91 13 00-0219)</small>		
09 91	13 00-0247	EA	Paint Exterior Door, One Face, 1 Coat Primer, Brush/Roller Work.....	34.23	
			<i>For Half Louvered Door, Add</i>	3.74	
			<i>For Full Louvered Door, Add</i>	6.23	
			<i>For >5 To 10, Deduct</i>	-1.71	
			<i>For >10 To 25, Deduct</i>	-3.42	
			<i>For >25, Deduct</i>	-5.13	
09 91	13 00-0248	EA	Paint Exterior Door, One Face, 1 Coat Paint, Brush/Roller Work.....	34.23	
			<i>For Half Louvered Door, Add</i>	3.74	
			<i>For Full Louvered Door, Add</i>	6.23	
			<i>For >5 To 10, Deduct</i>	-1.71	
			<i>For >10 To 25, Deduct</i>	-3.42	
			<i>For >25, Deduct</i>	-5.13	
09 91	13 00-0249	EA	Paint Exterior Door, One Face, 2 Coats Paint, Brush/Roller Work.....	60.58	
			<i>For Half Louvered Door, Add</i>	6.31	
			<i>For Full Louvered Door, Add</i>	10.52	
			<i>For >5 To 10, Deduct</i>	-3.03	
			<i>For >10 To 25, Deduct</i>	-6.06	
			<i>For >25, Deduct</i>	-9.09	
09 91	13 00-0250	EA	Paint Exterior Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	61.41	
			<i>For Half Louvered Door, Add</i>	6.70	
			<i>For Full Louvered Door, Add</i>	11.17	
			<i>For >5 To 10, Deduct</i>	-3.07	
			<i>For >10 To 25, Deduct</i>	-6.14	
			<i>For >25, Deduct</i>	-9.21	
09 91	13 00-0251	EA	Paint Exterior Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	61.41	
			<i>For Half Louvered Door, Add</i>	6.70	
			<i>For Full Louvered Door, Add</i>	11.17	
			<i>For >5 To 10, Deduct</i>	-3.07	
			<i>For >10 To 25, Deduct</i>	-6.14	
			<i>For >25, Deduct</i>	-9.21	
09 91	13 00-0252	EA	Paint Exterior Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	109.05	
			<i>For Half Louvered Door, Add</i>	11.34	
			<i>For Full Louvered Door, Add</i>	18.89	
			<i>For >5 To 10, Deduct</i>	-5.45	
			<i>For >10 To 25, Deduct</i>	-10.91	
			<i>For >25, Deduct</i>	-16.36	
09 91	13 00-0253	EA	Paint Exterior Door, One Face, 1 Coat Primer, Spray.....	26.85	
			<i>For Half Louvered Door, Add</i>	2.49	
			<i>For Full Louvered Door, Add</i>	4.15	
			<i>For >5 To 10, Deduct</i>	-1.34	
			<i>For >10 To 25, Deduct</i>	-2.69	
			<i>For >25, Deduct</i>	-4.03	
09 91	13 00-0254	EA	Paint Exterior Door, One Face, 1 Coat Paint, Spray.....	26.85	
			<i>For Half Louvered Door, Add</i>	2.49	
			<i>For Full Louvered Door, Add</i>	4.15	
			<i>For >5 To 10, Deduct</i>	-1.34	
			<i>For >10 To 25, Deduct</i>	-2.69	
			<i>For >25, Deduct</i>	-4.03	
09 91	13 00-0255	EA	Paint Exterior Door, One Face, 2 Coats Paint, Spray.....	48.42	
			<i>For Half Louvered Door, Add</i>	4.21	
			<i>For Full Louvered Door, Add</i>	7.02	
			<i>For >5 To 10, Deduct</i>	-2.42	
			<i>For >10 To 25, Deduct</i>	-4.84	
			<i>For >25, Deduct</i>	-7.26	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0256 EA Paint Exterior Door, Both Faces, 1 Coat Primer, Spray.....	48.19	
For Half Louvered Door, Add	4.47	
For Full Louvered Door, Add	7.44	
For >5 To 10, Deduct	-2.41	
For >10 To 25, Deduct	-4.82	
For >25, Deduct	-7.23	
09 91 13 00-0257 EA Paint Exterior Door, Both Faces, 1 Coat Paint, Spray.....	48.19	
For Half Louvered Door, Add	4.47	
For Full Louvered Door, Add	7.44	
For >5 To 10, Deduct	-2.41	
For >10 To 25, Deduct	-4.82	
For >25, Deduct	-7.23	
09 91 13 00-0258 EA Paint Exterior Door, Both Faces, 2 Coats Paint, Spray.....	87.21	
For Half Louvered Door, Add	7.56	
For Full Louvered Door, Add	12.60	
For >5 To 10, Deduct	-4.36	
For >10 To 25, Deduct	-8.72	
For >25, Deduct	-13.08	
09 91 13 00-0259 SF Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	1.87	
09 91 13 00-0260 SF Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	1.92	
09 91 13 00-0261 SF Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	3.97	
09 91 13 00-0262 SF Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	2.15	
09 91 13 00-0263 SF Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	2.21	
09 91 13 00-0264 SF Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	4.27	
09 91 13 00-0265 Steel Windows (09 91 13 00-0219)		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0266 EA Paint Exterior Windows Including Trim, Window Size Up To 8 SF.....	62.03	
For Electrostatic Painting, Add	7.13	
For >5 To 10, Deduct	-3.10	
For >10 To 25, Deduct	-6.20	
For >25, Deduct	-9.30	
09 91 13 00-0267 EA Paint Exterior Windows Including Trim, Window Size 9 SF To 14 SF.....	73.98	
For Electrostatic Painting, Add	8.83	
For >5 To 10, Deduct	-3.70	
For >10 To 25, Deduct	-7.40	
For >25, Deduct	-11.10	
09 91 13 00-0268 EA Paint Exterior Windows Including Trim, Window Size 15 SF To 20 SF.....	99.48	
For Electrostatic Painting, Add	11.99	
For >5 To 10, Deduct	-4.97	
For >10 To 25, Deduct	-9.95	
For >25, Deduct	-14.92	
09 91 13 00-0269 EA Paint Exterior Windows Including Trim, Window Size 21 SF To 26 SF.....	112.00	
For Electrostatic Painting, Add	13.50	
For >5 To 10, Deduct	-5.60	
For >10 To 25, Deduct	-11.20	
For >25, Deduct	-16.80	
09 91 13 00-0270 EA Paint Exterior Windows Including Trim, Window Size 27 SF To 34 SF.....	124.26	
For Electrostatic Painting, Add	14.96	
For >5 To 10, Deduct	-6.21	
For >10 To 25, Deduct	-12.43	
For >25, Deduct	-18.64	
09 91 13 00-0271 SF Paint Exterior Windows Including Trim, Window Size Over 34 SF.....	3.94	
For Electrostatic Painting, Add	0.47	
09 91 13 00-0272 Wood Windows (09 91 13 00-0219)		
Note: Two finish coats paint over primer.		
09 91 13 00-0273 EA Paint Exterior Windows Including Trim, Window Size Up To 8 SF.....	62.03	
For >5 To 10, Deduct	-3.10	
For >10 To 25, Deduct	-6.20	
For >25, Deduct	-9.30	
09 91 13 00-0274 EA Paint Exterior Windows Including Trim, Window Size 9 SF To 14 SF.....	73.98	
For >5 To 10, Deduct	-3.70	
For >10 To 25, Deduct	-7.40	
For >25, Deduct	-11.10	
09 91 13 00-0275 EA Paint Exterior Windows Including Trim, Window Size 15 SF To 20 SF.....	99.48	
For >5 To 10, Deduct	-4.97	
For >10 To 25, Deduct	-9.95	
For >25, Deduct	-14.92	
09 91 13 00-0276 EA Paint Exterior Windows Including Trim, Window Size 21 SF To 26 SF.....	112.00	
For >5 To 10, Deduct	-5.60	
For >10 To 25, Deduct	-11.20	
For >25, Deduct	-16.80	
09 91 13 00-0277 EA Paint Exterior Windows Including Trim, Window Size 27 SF To 34 SF.....	124.26	
For >5 To 10, Deduct	-6.21	
For >10 To 25, Deduct	-12.43	
For >25, Deduct	-18.64	
09 91 13 00-0278 SF Paint Exterior Windows Including Trim, Window Size Over 34 SF.....	4.16	
09 91 13 00-0279 Security Screens (09 91 13 00-0219)		
09 91 13 00-0280 SF Paint Security Screen, 1 Coat Primer, Brush/Roller Work.....	1.17	
For Electrostatic Painting, Add	0.14	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0281 SF Paint Security Screen, 1 Coat Paint, Brush/Roller Work.....	1.25	
<i>For Electrostatic Painting, Add</i>	0.14	
09 91 13 00-0282 SF Paint Security Screen, 2 Coats Paint, Brush/Roller Work.....	2.05	
<i>For Electrostatic Painting, Add</i>	0.23	
09 91 13 00-0283 Window Guards (09 91 13 00-0219)		
09 91 13 00-0284 SF Paint Window Guards, 1 Coat Primer, Brush/Roller Work.....	1.17	
09 91 13 00-0285 SF Paint Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.25	
09 91 13 00-0286 SF Paint Window Guards, 2 Coats Paint, Brush/Roller Work.....	2.05	
09 91 13 00-0287 Window Trim (09 91 13 00-0219)		
09 91 13 00-0288 LF Paint Wood Window Frame, 1 Coat Primer, Brush/Roller Work.....	1.08	
09 91 13 00-0289 LF Paint Wood Window Frame, 1 Coat Paint, Brush/Roller Work.....	1.08	
09 91 13 00-0290 LF Paint Wood Window Frame, 2 Coats Paint, Brush/Roller Work.....	1.25	
09 91 13 00-0291 LF Paint Metal Window Frame, 1 Coat Primer, Brush/Roller Work.....	1.14	
09 91 13 00-0292 LF Paint Metal Window Frame, 1 Coat Paint, Brush/Roller Work.....	1.14	
09 91 13 00-0293 LF Paint Metal Window Frame, 2 Coats Paint, Brush/Roller Work.....	1.37	
09 91 13 00-0294 Roofing (09 91 13)		
09 91 13 00-0295 Wood, Stain And Seal (09 91 13 00-0294)		
09 91 13 00-0296 SF Stain And Seal Shingles/Shake, 1 Coat.....	1.44	
<i>For Up To 100, Add</i>	0.83	
<i>For >100 To 250, Add</i>	0.40	
<i>For >250 To 500, Add</i>	0.18	
09 91 13 00-0297 SF Stain And Seal Shingles/Shake, 2 Coats.....	2.66	
<i>For Up To 100, Add</i>	1.52	
<i>For >100 To 250, Add</i>	0.73	
<i>For >250 To 500, Add</i>	0.32	
09 91 13 00-0298 Metal (09 91 13 00-0294)		
09 91 13 00-0299 SF Paint Metal Roof, 1 Coat Paint.....	0.59	
<i>For Up To 100, Add</i>	0.33	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0300 SF Paint Metal Roof, 2 Coats Paint.....	1.04	
<i>For Up To 100, Add</i>	0.60	
<i>For >100 To 250, Add</i>	0.29	
<i>For >250 To 500, Add</i>	0.13	
09 91 13 00-0301 Fascia Board (09 91 13 00-0294)		
09 91 13 00-0302 LF Paint Fascia Board, 1 Coat Primer, Brush/Roller Work.....	0.59	
<i>For Up To 100, Add</i>	0.33	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0303 LF Paint Fascia Board, 1 Coat Paint, Brush/Roller Work.....	0.59	
<i>For Up To 100, Add</i>	0.33	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0304 LF Paint Fascia Board, 2 Coats Paint, Brush/Roller Work.....	1.04	
<i>For Up To 100, Add</i>	0.60	
<i>For >100 To 250, Add</i>	0.29	
<i>For >250 To 500, Add</i>	0.13	
09 91 13 00-0305 Soffit (09 91 13 00-0294)		
09 91 13 00-0306 SF Paint Soffit, 1 Coat Primer, Brush/Roller Work.....	0.67	
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0307 SF Paint Soffit, 1 Coat Paint, Brush/Roller Work.....	0.67	
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0308 SF Paint Soffit, 2 Coats Paint, Brush/Roller Work.....	1.15	
<i>For Up To 100, Add</i>	0.62	
<i>For >100 To 250, Add</i>	0.30	
<i>For >250 To 500, Add</i>	0.13	
09 91 13 00-0309 Acrylic Elastomeric Coating For All Types Of Roofs (09 91 13 00-0294)		
Note: Solar reflectance: 0.90/0.84 after 3 years (from www.energy-star.gov).		
09 91 13 00-0310 SF Cool Roof Acrylic Elastomeric Roof Coating, 2 Coats (20 Mil).....	1.29	
<i>For Each Coat Of Primer, Add</i>	0.33	
09 91 13 00-0311 Site Work (09 91 13)		
Note: Tasks can be used for exterior or interior applications.		



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0312 Structural Steel <small>(09 91 13 00-0311)</small>		
09 91 13 00-0313 One Field Coat Paint, Brush Work <small>(09 91 13 00-0312)</small>		
09 91 13 00-0314 SF Paint Structural Steel One Field Coat Primer, Brush/Roller Work.....	0.81	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.07	
09 91 13 00-0315 SF Paint Structural Steel One Field Coat Paint, Brush/Roller Work.....	0.71	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.06	
09 91 13 00-0316 One Field Coat Paint, Spray Work <small>(09 91 13 00-0312)</small>		
09 91 13 00-0317 SF Paint Structural Steel One Field Coat Primer, Spray Work.....	0.53	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For Epoxy Paint, Add	0.05	
09 91 13 00-0318 SF Paint Structural Steel One Field Coat Paint, Spray Work.....	0.43	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For Epoxy Paint, Add	0.05	
09 91 13 00-0319 Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0312)</small>		
09 91 13 00-0320 SF Paint Exposed Metal Decking, One Coat Primer, Sprayed.....	0.61	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.06	
09 91 13 00-0321 SF Paint Exposed Metal Decking, One Coat Paint, Sprayed.....	0.61	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.06	
09 91 13 00-0322 SF Paint Exposed Metal Decking, Two Coat Paint, Sprayed.....	1.01	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.10	
09 91 13 00-0323 SF Paint Metal Beams And Bar Joists, One Coat Primer, Brush/Roller Work.....	0.84	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.10	
09 91 13 00-0324 SF Paint Metal Beams And Bar Joists, One Coat Paint, Brush/Roller Work.....	0.82	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.09	
09 91 13 00-0325 SF Paint Metal Beams And Bar Joists, Two Coats Paint, Brush/Roller Work.....	1.55	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For Epoxy Paint, Add	0.17	
09 91 13 00-0326 SF Paint Metal Beams And Bar Joists, One Coat Primer, Sprayed.....	0.74	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.08	
09 91 13 00-0327 SF Paint Metal Beams And Bar Joists, One Coat Paint, Sprayed.....	0.74	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.08	
09 91 13 00-0328 SF Paint Metal Beams And Bar Joists, Two Coats Paint, Sprayed.....	1.21	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For Epoxy Paint, Add	0.14	
09 91 13 00-0329 Steel Pipes <small>(09 91 13 00-0311)</small>		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0330 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, One Coat Primer.....	1.21	
For Electrostatic Painting, Add	0.14	
For Epoxy Paint, Add	0.10	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0331	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Primer.....	1.36	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0332	LF		Paint Steel Pipes 4" Diameter, One Coat Primer.....	1.53	
			<i>For Electrostatic Painting, Add</i>	0.18	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0333	LF		Paint Steel Pipes 6" To 8" Diameter, One Coat Primer.....	1.91	
			<i>For Electrostatic Painting, Add</i>	0.22	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0334	LF		Paint Steel Pipes 10" To 12" Diameter One Coat Primer.....	2.42	
			<i>For Electrostatic Painting, Add</i>	0.28	
			<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0335	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, One Coat Paint.....	1.21	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91 13 00-0336	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Paint.....	1.36	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0337	LF		Paint Steel Pipes 4" Diameter, One Coat Paint.....	1.53	
			<i>For Electrostatic Painting, Add</i>	0.18	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0338	LF		Paint Steel Pipes 6" To 8" Diameter, One Coat Paint.....	1.91	
			<i>For Electrostatic Painting, Add</i>	0.22	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0339	LF		Paint Steel Pipes 10" To 12" Diameter One Coat Paint.....	2.42	
			<i>For Electrostatic Painting, Add</i>	0.28	
			<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0340	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, Two Coats.....	2.40	
			<i>For Electrostatic Painting, Add</i>	0.29	
			<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0341	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, Two Coats.....	2.71	
			<i>For Electrostatic Painting, Add</i>	0.32	
			<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0342	LF		Paint Steel Pipes 4" Diameter, Two Coats.....	2.90	
			<i>For Electrostatic Painting, Add</i>	0.34	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91 13 00-0343	LF		Paint Steel Pipes 6" To 8" Diameter, Two Coats.....	3.68	
			<i>For Electrostatic Painting, Add</i>	0.43	
			<i>For Epoxy Paint, Add</i>	0.31	
09 91 13 00-0344	LF		Paint Steel Pipes 10" To 12" Diameter, Two Coats.....	4.53	
			<i>For Electrostatic Painting, Add</i>	0.54	
			<i>For Epoxy Paint, Add</i>	0.39	
09 91 13 00-0345			Fence Painting <small>(09 91 13 00-0311)</small>		
			Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0346	SF		Paint Existing Chain Link Fence, One Coat Paint, Brush/Roller.....	0.60	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0347	SF		Paint Existing Chain Link Fence, Two Coats Paint, Brush/Roller.....	1.11	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
09 91 13 00-0348	SF		Paint Existing Chain Link Fence, One Coat Paint, Spray.....	0.54	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0349	SF		Paint Existing Chain Link Fence, Two Coats Paint, Spray.....	0.99	
			<i>For Epoxy Paint, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
09 91 13 00-0350	SF		Paint Wrought Iron Fence, One Coat Primer, Brush/Roller.....	0.53	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0351	SF		Paint Wrought Iron Fence, One Coat, Brush/Roller.....	0.51	
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0352	SF		Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller.....	0.35	
			<i>For Up To 100, Add</i>	0.21	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
09 91 13 00-0353	SF		Paint Picket Fence, One Coat Primer, Brush/Roller.....	0.77	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0354	SF		Paint Picket Fence, One Coat, Brush/Roller.....	0.75	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0355 SF Paint Picket Fence, Each Additional Coat, Brush/Roller.....	0.53	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 91 13 00-0356 SF Paint Wood Fences One Coat, Brush/Roller.....	0.53	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 91 13 00-0357 SF Paint Wood Fences Two Coats, Brush/Roller.....	0.95	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 91 13 00-0358 SF Paint Wood Fences One Coat, Spray.....	0.43	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
09 91 13 00-0359 SF Paint Wood Fences Two Coats, Spray.....	0.80	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 91 13 00-0360 Metal Surfaces (09 91 13 00-0311)		
09 91 13 00-0361 SF Paint Miscellaneous Exposed Metal One Coat Alkyd Primer.....	1.08	
For Epoxy Paint, Add	0.10	
For Electrostatic Painting, Add	0.13	
09 91 13 00-0362 SF Paint Miscellaneous Exposed Metal One Coat Alkyd Enamel.....	1.03	
For Epoxy Paint, Add	0.08	
For Electrostatic Painting, Add	0.12	
09 91 13 00-0363 SF Paint Miscellaneous Exposed Metal Two Coats Alkyd Enamel.....	2.09	
For Epoxy Paint, Add	0.16	
For Electrostatic Painting, Add	0.24	
09 91 13 00-0364 SF Paint Ventilation Louver, SF Of Opening Area, One Coat Primer.....	1.24	
For Electrostatic Painting, Add	0.15	
09 91 13 00-0365 SF Paint Ventilation Louver, SF Of Opening Area, One Coat Alkyd.....	1.19	
For Electrostatic Painting, Add	0.13	
09 91 13 00-0366 SF Paint Ventilation Louver, SF Of Opening Area, Two Coats Alkyd.....	2.42	
For Electrostatic Painting, Add	0.27	
09 91 13 00-0367 Ladders (09 91 13 00-0311)		
09 91 13 00-0368 LF Paint Ladders One Coat Alkyd Primer.....	3.37	
For Epoxy Paint, Add	0.19	
09 91 13 00-0369 LF Paint Ladders One Coat Alkyd Enamel.....	3.77	
For Epoxy Paint, Add	0.21	
09 91 13 00-0370 LF Paint Ladders Two Coats Alkyd Enamel.....	7.46	
For Epoxy Paint, Add	0.40	
09 91 13 00-0371 Handrails (09 91 13 00-0311)		
09 91 13 00-0372 LF Paint Stair Hand Rail And Bracket, 1 Rail One Coat Alkyd Enamel.....	1.46	
For Epoxy Paint, Add	0.09	
09 91 13 00-0373 LF Paint Stair Hand Rail And Bracket, 1 Rail Two Coats Alkyd Enamel.....	2.43	
For Epoxy Paint, Add	0.14	
09 91 13 00-0374 LF Paint Stair Pipe Rail And Pickets, 1 Rail One Coat Alkyd Enamel.....	2.20	
For Epoxy Paint, Add	0.14	
09 91 13 00-0375 LF Paint Stair Pipe Rail And Pickets, 1 Rail Two Coats Alkyd Enamel.....	3.89	
For Epoxy Paint, Add	0.24	
09 91 13 00-0376 LF Paint Stair Pipe Rail And Pickets, 2 Rails One Coat Alkyd Enamel.....	2.41	
For Epoxy Paint, Add	0.15	
09 91 13 00-0377 LF Paint Stair Pipe Rail And Pickets, 2 Rails Two Coats Alkyd Enamel.....	4.17	
For Epoxy Paint, Add	0.25	
09 91 13 00-0378 LF Paint Balustrades, One Coat Alkyd Enamel.....	1.50	
For Epoxy Paint, Add	0.12	
09 91 13 00-0379 LF Paint Balustrades, Two Coats Alkyd Enamel.....	2.71	
For Epoxy Paint, Add	0.23	
09 91 13 00-0380 Grating (09 91 13 00-0311)		
09 91 13 00-0381 SF Paint Gratings And Frames One Coat Primer.....	2.50	
For Epoxy Paint, Add	0.17	
09 91 13 00-0382 SF Paint Gratings And Frames One Coat Paint.....	2.45	
For Epoxy Paint, Add	0.15	
09 91 13 00-0383 SF Paint Gratings And Frames Two Coats Paint.....	3.65	
For Epoxy Paint, Add	0.24	
09 91 13 00-0384 Other Site Work Tasks (09 91 13 00-0311)		
09 91 13 00-0385 Shutters Or Blinds, Solid Panel (09 91 13 00-0384)		
09 91 13 00-0386 SF Shutter Or Blinds, Solid Panel, One Coat Primer, Brush.....	2.66	
09 91 13 00-0387 SF Shutter Or Blinds, Solid Panel, One Coat, Brush.....	2.65	
09 91 13 00-0388 SF Shutter Or Blinds, Solid Panel, Two Coats, Brush.....	4.71	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0389 SF Shutter Or Blinds, Solid Panel, One Coat Primer, Spray	1.48	
09 91 13 00-0390 SF Shutter Or Blinds, Solid Panel, One Coat, Spray	1.46	
09 91 13 00-0391 SF Shutter Or Blinds, Solid Panel, Two Coats, Spray	2.71	
09 91 13 00-0392 Shutters Or Blinds, Louvered Panel (09 91 13 00-0384)		
09 91 13 00-0393 SF Shutter Or Blinds, Louvered Panel, One Coat Primer, Brush	3.31	
09 91 13 00-0394 SF Shutter Or Blinds, Louvered Panel, One Coat, Brush	3.30	
09 91 13 00-0395 SF Shutter Or Blinds, Louvered Panel, Two Coats, Brush	5.84	
09 91 13 00-0396 SF Shutter Or Blinds, Louvered Panel, One Coat Primer, Spray	1.82	
09 91 13 00-0397 SF Shutter Or Blinds, Louvered Panel, One Coat, Spray	1.80	
09 91 13 00-0398 SF Shutter Or Blinds, Louvered Panel, Two Coats, Spray	3.31	
09 91 13 00-0399 Flagpoles (09 91 13 00-0384)		
09 91 13 00-0400 EA Paint Steel Flagpole, 20' High, One Coat Paint	152.19	
09 91 13 00-0401 EA Paint Steel Flagpole, 30' High, One Coat Paint	204.28	
09 91 13 00-0402 EA Paint Steel Flagpole, 40' High, One Coat Paint	256.40	
09 91 13 00-0403 EA Paint Steel Flagpole, 50' High, One Coat Paint	308.52	
09 91 13 00-0404 EA Paint Steel Flagpole, 70' High, One Coat Paint	406.14	
09 91 13 00-0405 EA Paint Steel Flagpole, 80' High, One Coat Paint	457.43	
09 91 13 00-0406 EA Paint Steel Flagpole, 90' High, One Coat Paint	508.73	
09 91 13 00-0407 Lattice Or Trellis (09 91 13 00-0384)		
09 91 13 00-0408 SF Paint Wood Lattice Or Trellis One Coat, Spray Per Side	1.16	
09 91 13 00-0409 SF Paint Wood Lattice Or Trellis Two Coats, Spray Per Side	2.13	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 91 13 00-0410 Equipment And Tanks (09 91 13 00-0311)		
09 91 13 00-0411 Valves, Primer And Finish Coats (09 91 13 00-0410)		
09 91 13 00-0412 EA Prime And Paint 4" And Smaller Valve	23.40	
09 91 13 00-0413 EA Prime And Paint 6" To 10" Valve	28.43	
09 91 13 00-0414 EA Prime And Paint 12" To 18" Valve	37.62	
09 91 13 00-0415 EA Prime And Paint 20" To 24" Valve	50.95	
09 91 13 00-0416 EA Prime And Paint >24" To 36" Valve	69.32	
09 91 13 00-0417 EA Prime And Paint >36" To 48" Valve	93.59	
09 91 13 00-0418 Pumps And Motors. Primer And Finish Coats (09 91 13 00-0410)		
09 91 13 00-0419 EA Prime And Paint Pump Under 1 HP	71.07	
09 91 13 00-0420 EA Prime And Paint Pump, 1 HP To 5 HP	92.07	
09 91 13 00-0421 EA Prime And Paint Pump, >5 HP To 10 HP	108.91	
09 91 13 00-0422 EA Prime And Paint Pump, >10 HP To 20 HP	120.72	
09 91 13 00-0423 EA Prime And Paint Pump, >20 HP To 30 HP	140.83	
09 91 13 00-0424 EA Prime And Paint Pump, >30 HP To 50 HP	160.96	
09 91 13 00-0425 EA Prime And Paint Pump, >50 HP To 75 HP	176.93	
09 91 13 00-0426 EA Prime And Paint Pump, >75 HP	201.20	
09 91 13 00-0427 Stairs (09 91 13)		
09 91 13 00-0428 Concrete (09 91 13 00-0427)		
09 91 13 00-0429 RSR Paint Concrete Stair (To 4' Wide) One Coat Primer	14.68	
09 91 13 00-0430 RSR Paint Concrete Stair (To 4' Wide) One Coat Alkyd Enamel	14.68	
09 91 13 00-0431 RSR Paint Concrete Stair (To 4' Wide) One Coat Non Slip Paint	17.59	
09 91 13 00-0432 RSR Paint Concrete Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	26.00	
09 91 13 00-0433 RSR Paint Concrete Stair (To 4' Wide) Two Coats Alkyd Enamel	29.36	
09 91 13 00-0434 Metal (09 91 13 00-0427)		
09 91 13 00-0435 RSR Paint Metal Stair (To 4' Wide) One Coat Primer	7.51	
For Oil Based Paint, Add	0.39	
09 91 13 00-0436 RSR Paint Metal Stair (To 4' Wide) One Coat Alkyd Enamel	7.51	
For Oil Based Paint, Add	0.39	
09 91 13 00-0437 RSR Paint Metal Stair (To 4' Wide) Two Coats Alkyd Enamel	15.02	
For Oil Based Paint, Add	0.79	
09 91 13 00-0438 Wood (09 91 13 00-0427)		
09 91 13 00-0439 RSR Paint Wood Stair (To 4' Wide) One Coat Primer	7.51	
09 91 13 00-0440 RSR Paint Wood Stair (To 4' Wide) One Coat Alkyd Enamel	7.50	
09 91 13 00-0441 RSR Paint Wood Stair (To 4' Wide) One Coat Non Slip Paint	10.41	
09 91 13 00-0442 RSR Paint Wood Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	18.82	
09 91 13 00-0443 RSR Paint Wood Stair (To 4' Wide) Two Coats Alkyd Enamel	15.01	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0444	Stair Nosing (09 91 13 00-0427)			
09 91 13 00-0445	LF Paint Yellow Stair Safety Strip, Up To 2", Non Slip.....		1.22	
09 91 13 00-0446	Trim Work (09 91 13)			
09 91 13 00-0447	Metal (09 91 13 00-0446)			
09 91 13 00-0448	SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work.....		1.02	
09 91 13 00-0449	SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work.....		1.02	
09 91 13 00-0450	SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work.....		1.84	
09 91 13 00-0451	SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush/Roller Work.....		0.81	
09 91 13 00-0452	SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush/Roller Work.....		0.91	
09 91 13 00-0453	SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush/Roller Work.....		1.63	
09 91 13 00-0454	LF Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work.....		1.49	
09 91 13 00-0455	LF Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work.....		2.02	
09 91 13 00-0456	Wood (09 91 13 00-0446)			
09 91 13 00-0457	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush Work.....		1.20	
	<i>For Oil Based Paint, Add</i>		0.07	
09 91 13 00-0458	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush Work.....		1.30	
	<i>For Oil Based Paint, Add</i>		0.08	
09 91 13 00-0459	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush Work.....		2.34	
	<i>For Oil Based Paint, Add</i>		0.14	
09 91 13 00-0460	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work.....		0.95	
	<i>For Oil Based Paint, Add</i>		0.06	
09 91 13 00-0461	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work.....		1.05	
	<i>For Oil Based Paint, Add</i>		0.06	
09 91 13 00-0462	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work.....		1.93	
	<i>For Oil Based Paint, Add</i>		0.12	
09 91 23	Interior Painting (09 91)			
	Note: Acrylic latex paint unless otherwise stated.			
09 91 23 00-0001	Walls (09 91 23)			
09 91 23 00-0002	Brick Surfaces (09 91 23 00-0001)			
09 91 23 00-0003	SF Paint Interior Brick 1 Coat Filler, Brush Work.....		0.79	
	<i>For Oil Based Paint, Add</i>		0.05	
	<i>For Up To 100, Add</i>		0.52	
	<i>For >100 To 250, Add</i>		0.25	
	<i>For >250 To 500, Add</i>		0.11	
	<i>For >2,500 To 5,000, Deduct</i>		-0.04	
	<i>For >5,000 To 10,000, Deduct</i>		-0.08	
	<i>For >10,000 To 20,000, Deduct</i>		-0.12	
	<i>For >20,000, Deduct</i>		-0.16	
09 91 23 00-0004	SF Paint Interior Brick 1 Coat Paint, Brush Work.....		0.91	
	<i>For Oil Based Paint, Add</i>		0.05	
	<i>For Up To 100, Add</i>		0.60	
	<i>For >100 To 250, Add</i>		0.28	
	<i>For >250 To 500, Add</i>		0.12	
	<i>For >2,500 To 5,000, Deduct</i>		-0.05	
	<i>For >5,000 To 10,000, Deduct</i>		-0.09	
	<i>For >10,000 To 20,000, Deduct</i>		-0.14	
	<i>For >20,000, Deduct</i>		-0.18	
09 91 23 00-0005	SF Paint Interior Brick 2 Coats Paint, Brush Work.....		1.62	
	<i>For Oil Based Paint, Add</i>		0.10	
	<i>For Up To 100, Add</i>		1.05	
	<i>For >100 To 250, Add</i>		0.50	
	<i>For >250 To 500, Add</i>		0.22	
	<i>For >2,500 To 5,000, Deduct</i>		-0.08	
	<i>For >5,000 To 10,000, Deduct</i>		-0.16	
	<i>For >10,000 To 20,000, Deduct</i>		-0.24	
	<i>For >20,000, Deduct</i>		-0.32	
09 91 23 00-0006	SF Paint Interior Brick 1 Coat Filler, Brush/Roller Work.....		0.64	
	<i>For Oil Based Paint, Add</i>		0.04	
	<i>For Up To 100, Add</i>		0.41	
	<i>For >100 To 250, Add</i>		0.19	
	<i>For >250 To 500, Add</i>		0.08	
	<i>For >2,500 To 5,000, Deduct</i>		-0.03	
	<i>For >5,000 To 10,000, Deduct</i>		-0.06	
	<i>For >10,000 To 20,000, Deduct</i>		-0.10	
	<i>For >20,000, Deduct</i>		-0.13	
09 91 23 00-0007	SF Paint Interior Brick 1 Coat Paint, Brush/Roller Work.....		0.79	
	<i>For Oil Based Paint, Add</i>		0.05	
	<i>For Up To 100, Add</i>		0.48	
	<i>For >100 To 250, Add</i>		0.23	
	<i>For >250 To 500, Add</i>		0.10	
	<i>For >2,500 To 5,000, Deduct</i>		-0.04	
	<i>For >5,000 To 10,000, Deduct</i>		-0.08	
	<i>For >10,000 To 20,000, Deduct</i>		-0.12	
	<i>For >20,000, Deduct</i>		-0.16	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008	SF		Paint Interior Brick 2 Coats Paint, Brush/Roller Work.....	1.35	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0009	SF		Paint Interior Brick 1 Coat Filler, Spray.....	0.48	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 23 00-0010	SF		Paint Interior Brick 1 Coat Paint, Spray.....	0.53	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0011	SF		Paint Interior Brick 2 Coats Paint, Spray.....	0.92	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0012	SF		Paint Interior Brick 1 Coat Bonding Agent, Brush Work.....	0.81	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0013	SF		Paint Interior Brick 1 Coat Bonding Agent, Brush/Roller Work.....	0.66	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0014	SF		Paint Interior Brick 1 Coat Bonding Agent, Spray.....	0.50	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0015			Concrete Surfaces (09 91 23 00-0001)		
09 91 23 00-0016	SF		Paint Interior Concrete, 1 Coat Filler, Brush Work.....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0017	SF		Paint Interior Concrete, 1 Coat Paint, Brush Work.....	0.74	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018 SF Paint Interior Concrete, 2 Coats Paint, Brush Work.....	1.35	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0019 SF Paint Interior Concrete, 1 Coat Filler, Brush/Roller Work.....	0.54	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0020 SF Paint Interior Concrete, 1 Coat Paint, Brush/Roller Work	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0021 SF Paint Interior Concrete, 2 Coats Paint, Brush/Roller Work	1.12	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0022 SF Paint Interior Concrete, 1 Coat Filler, Spray	0.38	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0023 SF Paint Interior Concrete, 1 Coat Paint, Spray.....	0.44	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0024 SF Paint Interior Concrete, 2 Coats Paint, Spray	0.72	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0025 SF Paint Interior Concrete, 1 Coat Bonding Agent, Brush Work	0.69	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0026 SF Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	0.56	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0027 SF Paint Interior Concrete, 1 Coat Bonding Agent, Spray.....	0.40	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0028 Concrete Block Surfaces (09 91 23 00-0001)		
09 91 23 00-0029 Concrete Block, Epoxy Paint (09 91 23 00-0028)		
09 91 23 00-0030 SF Paint Interior Concrete Block, 1 Coat Filler, Brush Work	0.92	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0031 SF Paint Interior Concrete Block, 1 Coat Epoxy Paint, Brush	1.07	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0032 SF Paint Interior Concrete Block, 2 Coats Epoxy Paint, Brush Work	1.90	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 23 00-0033 SF Paint Interior Concrete Block, 1 Coat Filler, Brush/Roller Work	0.75	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0034 SF Paint Interior Concrete Block, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.84	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0035 SF Paint Interior Concrete Block, 2 Coats Epoxy Paint, Brush/Roller Work.....	1.56	
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 23 00-0036 SF Paint Interior Concrete Block, 1 Coat Filler, Sprayed.....	0.53	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0037 SF Paint Interior Concrete Block, 1 Coat Epoxy Paint, Sprayed	0.65	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0038 SF Paint Interior Concrete Block, 2 Coats Epoxy Paint, Sprayed.....	1.17	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0039 Concrete Block Surfaces, Acrylic Latex Paint (09 91 23 00-0028)		
09 91 23 00-0040 SF Paint Interior Concrete Block, 1 Coat Filler, Brush Work.....	0.87	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0041 SF Paint Interior Concrete Block, 1 Coat Paint, Brush Work.....	1.02	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0042 SF Paint Interior Concrete Block, 2 Coats Paint, Brush Work.....	1.85	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 23 00-0043 SF Paint Interior Concrete Block, Texture Coat, Brush Work.....	1.13	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0044 SF Paint Interior Concrete Block, 1 Coat Filler, Brush/Roller Work.....	0.73	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0045 SF Paint Interior Concrete Block, 1 Coat Paint, Brush/Roller Work.....	0.86	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0046 SF Paint Interior Concrete Block, 2 Coats Paint, Brush/Roller Work.....	1.53	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 23 00-0047 SF Paint Interior Concrete Block, Texture Coat, Brush/Roller Work.....	0.96	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0048 SF Paint Interior Concrete Block, 1 Coat Filler, Spray.....	0.54	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049	SF		Paint Interior Concrete Block, 1 Coat Paint, Spray	0.63	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0050	SF		Paint Interior Concrete Block, 2 Coats Paint, Spray.....	0.89	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0051	SF		Paint Interior Concrete Block, Texture Coat, Spray	0.73	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0052			Concrete Block Bonding Agent (09 91 23 00-0028)		
09 91 23 00-0053	SF		Paint Interior Concrete Block, 1 Coat Bonding Agent, Brush	0.89	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0054	SF		Paint Interior Concrete Masonry Units, 1 Coat Bonding Agent, Brush/Roller Work	0.75	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0055	SF		Paint Interior Concrete Masonry Units, 1 Coat Bonding Agent, Sprayed	0.57	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0056			Drywall/Plaster Surfaces (09 91 23 00-0001)		
09 91 23 00-0057			Plaster/Drywall (09 91 23 00-0056)		
09 91 23 00-0058	SF		Paint Interior Plaster/Drywall, 1 Coat Primer, Brush	0.71	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Orange Peel Finish, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0059	SF		Paint Interior Plaster/Drywall, 1 Coat Paint, Brush.....	0.75	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Orange Peel Finish, Add</i>	0.11	
			<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0060 SF Paint Interior Plaster/Drywall, 2 Coats Paint, Brush.....	1.37	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.20	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 23 00-0061 SF Paint Interior Plaster/Drywall, 3 Coats Paint, Brush.....	1.94	
For Oil Based Paint, Add	0.11	
For Orange Peel Finish, Add	0.28	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 23 00-0062 SF Paint Interior Plaster/Drywall, 1 Coat Primer, Brush/Roller Work.....	0.56	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.08	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0063 SF Paint Interior Plaster/Drywall, 1 Coat Paint, Brush/Roller Work.....	0.64	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0064 SF Paint Interior Plaster/Drywall, 2 Coats Paint, Brush/Roller Work.....	1.12	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.16	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0065 SF Paint Interior Plaster/Drywall, 1 Coat Primer, Sprayed.....	0.38	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0066 SF Paint Interior Plaster/Drywall, 1 Coat Paint, Sprayed.....	0.44	
For Oil Based Paint, Add	0.03	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0067 SF Paint Interior Plaster/Drywall, 2 Coats Paint, Sprayed.....	0.72	
For Oil Based Paint, Add	0.05	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

09 91 23 00-0068 Polymix Multi-Color Spray Applied Paint Finish (09 91 23 00-0066)

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0069	SF		Interior Plaster, Drywall Or Masonry Wall, 2 Tone With Base Coat	1.19	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0070	SF		Interior Plaster, Drywall Or Masonry Wall, 3 Tone With Base Coat	1.29	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 23 00-0071	SF		Interior Plaster, Drywall Or Masonry Wall, 4 Tone With Base Coat	1.39	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0072			Spray-On Textured Acoustical Paint (09 91 23 00-0056)		
09 91 23 00-0073	SF		Acoustic Spray-on Texture Paint, 1 Coat Primer.....	0.59	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0074	SF		Acoustic Spray-on Texture Paint, 1 Coat Finish	0.71	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0075	SF		Acoustic Spray-on Texture Paint, 2 Coats Finish.....	1.08	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0076	SF		Stipple Finish (Drippowder).....	1.38	
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0077			Metal Surfaces (09 91 23 00-0001)		
09 91 23 00-0078			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0077)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079	SF		Paint Interior Galvanized Surfaces, One Coat Primer, Brush Work.....	0.81	
			For Electrostatic Painting, Add	0.10	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0080	SF		Paint Interior Galvanized Surfaces, One Coat Paint, Brush Work.....	0.90	
			For Electrostatic Painting, Add	0.11	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0081 SF Paint Interior Galvanized Surfaces, Two Coats Paint, Brush Work.....	1.62	
For Electrostatic Painting, Add	0.20	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0082 SF Paint Interior Galvanized Surfaces, One Coat Primer, Brush/Roller Work.....	0.59	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0083 SF Paint Interior Galvanized Surfaces, One Coat Paint, Brush/Roller Work.....	0.70	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0084 SF Paint Interior Galvanized Surfaces, Two Coats Paint, Brush/Roller Work.....	1.29	
For Electrostatic Painting, Add	0.17	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 23 00-0085 SF Paint Interior Galvanized Surfaces, One Primer, Sprayed.....	0.40	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0086 SF Paint Interior Galvanized Surfaces, One Paint, Sprayed.....	0.54	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0087 SF Paint Interior Galvanized Surfaces, Two Coats Paint, Sprayed.....	0.89	
For Electrostatic Painting, Add	0.14	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0088 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0077)		
Note: Alkyd enamel paint.		
09 91 23 00-0089 SF Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush Work.....	0.81	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0090 SF Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush Work.....	0.90	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF		Paint Interior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush Work.....	1.61	
			<i>For Electrostatic Painting, Add</i>	0.20	
			<i>For Up To 100, Add</i>	1.05	
			<i>For >100 To 250, Add</i>	0.50	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.24	
			<i>For >20,000, Deduct</i>	-0.32	
09 91 23 00-0092	SF		Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush/Roller Work.....	0.64	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0093	SF		Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush/Roller Work.....	0.74	
			<i>For Electrostatic Painting, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.46	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0094	SF		Paint Interior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush/Roller Work.....	1.37	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 250, Add</i>	0.40	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0095	SF		Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Primer, Sprayed.....	0.44	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0096	SF		Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Paint, Sprayed.....	0.54	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0097	SF		Paint Interior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Sprayed.....	0.89	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0098			Miscellaneous Surfaces (09 91 23 00-0077)		
09 91 23 00-0099	SF		Paint Interior Miscellaneous Exposed Metal, 1 Coat Primer, Brush/Roller Work.....	0.60	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0100	SF		Paint Interior Miscellaneous Exposed Metal, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.81	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0101 SF Paint Interior Miscellaneous Exposed Metal, 2 Coats Alkyd Enamel Paint, Brush/Roller Work.....	1.26	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0102 SF Paint Interior Miscellaneous Exposed Metal, 1 Coat Primer, Sprayed.....	0.69	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0103 SF Paint Interior Miscellaneous Exposed Metal, 1 Coat Alkyd, Sprayed.....	0.69	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0104 SF Paint Interior Miscellaneous Exposed Metal, 2 Coats Alkyd, Sprayed.....	1.06	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0105 Corrugated Metal Surfaces (09 91 23 00-0077)		
09 91 23 00-0106 SF Paint Interior Corrugated Metal Surfaces, One Primer, Sprayed.....	0.49	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0107 SF Paint Interior Corrugated Metal Surfaces, One Paint, Sprayed.....	0.69	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0108 SF Paint Interior Corrugated Metal Surfaces, Two Coats Paint, Sprayed.....	1.12	
For Electrostatic Painting, Add	0.17	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0109 Stucco Surfaces (09 91 23 00-0001)		
09 91 23 00-0110 SF Paint Interior Stucco Surfaces One Coat Primer, Brush Work.....	1.17	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0111	SF		Paint Interior Stucco Surfaces One Coat Paint, Brush Work	1.28	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.88	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.26	
09 91 23 00-0112	SF		Paint Interior Stucco Surfaces, Two Coats Paint, Brush Work.....	2.26	
			<i>For Oil Based Paint, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.53	
			<i>For >100 To 250, Add</i>	0.72	
			<i>For >250 To 500, Add</i>	0.31	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000 To 20,000, Deduct</i>	-0.34	
			<i>For >20,000, Deduct</i>	-0.45	
09 91 23 00-0113	SF		Paint Interior Stucco Surfaces One Coat Primer, Brush/Roller Work.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0114	SF		Paint Interior Stucco Surfaces One Coat Paint, Brush/Roller Work.....	0.99	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0115	SF		Paint Interior Stucco Surfaces, Two Coats Paint, Brush/Roller Work	1.81	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.19	
			<i>For >100 To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.27	
			<i>For >20,000, Deduct</i>	-0.36	
09 91 23 00-0116	SF		Paint Interior Stucco Surfaces One Coat Primer, Sprayed	0.54	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0117	SF		Paint Interior Stucco Surfaces One Coat Paint, Sprayed.....	0.67	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0118	SF		Paint Interior Stucco Surfaces, Two Coats Paint, Sprayed	1.28	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.77	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.26	

09 91 23 00-0119 Wood Surfaces (09 91 23 00-0001)**09 91 23 00-0120 Interior Wood Surfaces** (09 91 23 00-0119)

09 91 23 00-0121	SF		Paint Interior Wood Surface, 1 Coat Paint, Brush.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.60	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0122 SF Paint Interior Wood Surface, 2 Coats Paint, Brush.....	1.59	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0123 SF Paint Interior Wood Surface, 3 Coats Paint, Brush.....	2.26	
For Oil Based Paint, Add	0.13	
For Up To 100, Add	1.52	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	
09 91 23 00-0124 SF Paint Interior Wood Surface, 1 Coat Primer, Brush/Roller.....	0.61	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0125 SF Paint Interior Wood Surfaces, 1 Coat Paint, Brush/Roller.....	0.70	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0126 SF Paint Interior Wood Surfaces, 2 Coats Paint, Brush/Roller.....	1.23	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 23 00-0127 SF Paint Interior Wood Surface, 1 Coat Primer, Spray.....	0.38	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0128 SF Paint Interior Wood Surface, 1 Coat Paint, Spray.....	0.48	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0129 SF Paint Interior Wood Surface, 2 Coats Paint, Spray.....	0.89	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0130 Ceilings <small>(09 91 23)</small>		
09 91 23 00-0131 Acoustical <small>(09 91 23 00-0130)</small>		
Note: Includes grid.		
09 91 23 00-0132 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work.....	0.77	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0133	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work.....	0.85	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0134	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work	1.50	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.03	
			<i>For >100 To 250, Add</i>	0.49	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0135	SF		Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0136	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.65	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0137	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.21	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.81	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0138	SF		Paint Interior Acoustical Ceiling, 1 Coat Primer, Spray.....	0.49	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0139	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Spray	0.48	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0140	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Spray.....	0.78	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0141			Concrete <small>(09 91 23 00-0130)</small>		
09 91 23 00-0142	SF		Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work	0.77	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.15	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0143 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0144 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.50	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0145 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.58	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0146 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0147 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.21	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0148 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Spray.....	0.47	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0149 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Spray.....	0.48	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0150 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Spray.....	0.77	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0151	SF		Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work.....	0.79	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0152	SF		Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller.....	0.60	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0153	SF		Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Spray.....	0.49	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 23 00-0154			Drywall/Plaster <small>(09 91 23 00-0130)</small>		
09 91 23 00-0155	SF		Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.77	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.11	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 23 00-0156	SF		Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work.....	0.85	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0157	SF		Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	1.50	
			For Oil Based Paint, Add	0.08	
			For Orange Peel Finish, Add	0.21	
			For Up To 100, Add	1.03	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 23 00-0158	SF		Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.66	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.09	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0159	SF		Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.65	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.09	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0160	SF		Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.21	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.17	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0161 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Spray	0.49	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0162 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Spray.....	0.48	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0163 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Spray.....	0.78	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0164 Metal (09 91 23 00-0130)		
09 91 23 00-0165 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0164)		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0166 SF Paint Interior Galvanized Ceiling, One Coat Primer, Brush Work.....	0.90	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0167 SF Paint Interior Galvanized Ceiling, One Coat Paint, Brush Work.....	1.00	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0168 SF Paint Interior Galvanized Ceiling, Two Coats Paint, Brush Work.....	1.80	
For Electrostatic Painting, Add	0.22	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0169 SF Paint Interior Galvanized Ceiling, One Coat Primer, Brush/Roller Work.....	0.69	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0170 SF Paint Interior Galvanized Ceiling, One Coat Paint, Brush/Roller Work.....	0.78	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0171 SF Paint Interior Galvanized Ceiling, Two Coats Paint, Brush/Roller Work.....	1.43	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0172 SF Paint Interior Galvanized Ceiling, One Primer, Sprayed	0.54	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0173 SF Paint Interior Galvanized Ceiling, One Paint, Sprayed.....	0.64	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0174 SF Paint Interior Galvanized Ceiling, Two Coats Paint, Sprayed	0.99	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0175 Aluminum And Aluminum Alloy Surface Pretreatment Primer <small>(09 91 23 00-0164)</small>		
Note: Alkyd enamel paint.		
09 91 23 00-0176 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush Work	0.90	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0177 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush Work.....	1.00	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0178 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush Work.....	1.80	
For Electrostatic Painting, Add	0.22	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0179 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush/Roller Work.....	0.74	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0180 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush/Roller Work	0.83	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0181 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush/Roller Work.....	1.56	
For Electrostatic Painting, Add	0.20	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0182 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat, Sprayed.....	0.54	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0183 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Sprayed.....	0.64	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0184 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Sprayed.....	0.99	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0185 Ceiling Tile Grid (09 91 23 00-0164)		
Note: Grid only.		
09 91 23 00-0186 LF Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller.....	0.20	
For Electrostatic Painting, Add	0.02	
For Up To 100, Add	0.14	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 23 00-0187 LF Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller.....	0.39	
For Electrostatic Painting, Add	0.05	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0188 Corrugated Metal Surfaces (09 91 23 00-0164)		
09 91 23 00-0189 SF Paint Interior Corrugated Metal Ceiling, One Primer, Sprayed.....	0.72	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0190 SF Paint Interior Corrugated Metal Ceiling, One Paint, Sprayed.....	0.84	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0191 SF Paint Interior Corrugated Metal Ceiling, Two Coats Paint, Sprayed.....	1.31	
For Electrostatic Painting, Add	0.19	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0192 Wood (09 91 23 00-0130)		
09 91 23 00-0193 Smooth Wood (09 91 23 00-0192)		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0194	SF		Paint Interior Wood Smooth Ceiling, One Coat Primer, Brush Work.....	0.94	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0195	SF		Paint Interior Wood Smooth Ceiling, One Coat Paint, Brush Work.....	0.98	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0196	SF		Paint Interior Wood Smooth Ceiling, Two Coats Paint, Brush Work.....	1.77	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.18	
			<i>For >100 To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.27	
			<i>For >20,000, Deduct</i>	-0.35	
09 91 23 00-0197	SF		Paint Interior Wood Smooth Ceiling, One Coat Primer, Brush/Roller Work.....	0.74	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.46	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0198	SF		Paint Interior Wood Smooth Ceiling, One Coat Paint, Brush/Roller Work.....	0.81	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0199	SF		Paint Interior Wood Smooth Ceiling, Two Coats Paint, Brush/Roller Work.....	1.52	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0200	SF		Paint Interior Wood Smooth Ceiling, One Coat Primer, Sprayed.....	0.50	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0201	SF		Paint Interior Wood Smooth Ceiling, One Coat Paint, Sprayed.....	0.61	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0202	SF		Paint Interior Wood Smooth Ceiling, Two Coats Paint, Sprayed.....	0.91	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	

09 91 23 00-0203 Beams (09 91 23 00-0130)



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0204 SF Paint Interior Wood Beams, One Coat Primer, Brush Work.....	1.03	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 23 00-0205 SF Paint Interior Wood Beams, One Coat Paint, Brush Work.....	1.06	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0206 SF Paint Interior Wood Beams, Two Coats Paint, Brush Work.....	1.94	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 23 00-0207 SF Paint Interior Wood Beams, One Coat Primer, Brush/Roller Work.....	0.82	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0208 SF Paint Interior Wood Beams, One Coat Paint, Brush/Roller Work.....	0.81	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0209 SF Paint Interior Wood Beams, Two Coats Paint, Brush/Roller Work.....	1.52	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0210 SF Paint Interior Wood Beams, One Coat Primer, Sprayed.....	0.61	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0211 SF Paint Interior Wood Beams, One Coat Paint, Sprayed.....	1.21	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0212 SF Paint Interior Wood Beams, Two Coats Paint, Sprayed.....	0.99	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0213 Floors (09 91 23)		
09 91 23 00-0214 Concrete (09 91 23 00-0213)		

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0215 SF Paint Interior Concrete Floors And Decks, One Coat Primer, Brush Work	0.58	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0216 SF Paint Interior Concrete Floors And Decks, One Coat Paint, Brush Work	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0217 SF Paint Interior Concrete Floors And Decks, Two Coats Paint, Brush Work	1.27	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0218 SF Paint Interior Concrete Floors And Decks, One Coat Primer, Brush/Roller Work	0.57	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 23 00-0219 SF Paint Interior Concrete Floors And Decks, One Coat Paint, Brush/Roller Work	0.56	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0220 SF Paint Interior Concrete Floors And Decks, Two Coats Paint, Brush/Roller Work	0.91	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0221 SF Paint Interior Concrete Floors And Decks, One Coat Primer, Sprayed	0.38	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0222 SF Paint Interior Concrete Floors And Decks, One Coat Paint, Sprayed	0.38	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0223 SF Paint Interior Concrete Floors And Decks, Two Coats Paint, Sprayed.....	0.69	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0224 SF Paint Interior Concrete Floors And Decks, One Coat Bonding Agent, Brush.....	0.60	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0225 SF Paint Interior Concrete Floors And Decks, One Coat Bonding Agent, Brush/Roller Work.....	0.59	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0226 SF Paint Interior Concrete Floors And Decks, One Coat Bonding Agent, Sprayed.....	0.40	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0227 SF Paint Interior Concrete Floors And Decks, One Coat Non Slip Paint, Brush Work.....	1.35	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0228 SF Paint Interior Concrete Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work.....	3.45	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 20,000, Deduct	-0.52	
For >20,000, Deduct	-0.69	
09 91 23 00-0229 Wood (09 91 23 00-0213)		
09 91 23 00-0230 SF Paint Interior Wood Floors And Decks, One Coat Primer, Brush Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0231 SF Paint Interior Wood Floors And Decks, One Coat Paint, Brush Work.....	0.79	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0232 SF Paint Interior Wood Floors And Decks, Two Coats Paint, Brush Work.....	1.48	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0233	SF		Paint Interior Wood Floors And Decks, One Coat Primer, Brush/Roller Work	0.57	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0234	SF		Paint Interior Wood Floors And Decks, One Coat Paint, Brush/Roller Work.....	0.62	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0235	SF		Paint Interior Wood Floors And Decks, Two Coats Paint, Brush/Roller Work.....	1.22	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0236	SF		Paint Interior Wood Floors And Decks, One Coat Primer, Sprayed.....	0.40	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91 23 00-0237	SF		Paint Interior Wood Floors And Decks, One Coat Paint, Sprayed	0.50	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0238	SF		Paint Interior Wood Floors And Decks, Two Coats Paint, Sprayed.....	0.73	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0239	SF		Paint Interior Wood Floors And Decks, One Coat Non Slip Paint, Brush Work	1.35	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0240	SF		Paint Interior Wood Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work	3.45	
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 250, Add</i>	0.49	
			<i>For >250 To 500, Add</i>	0.23	
			<i>For >2,500 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000 To 10,000, Deduct</i>	-0.35	
			<i>For >10,000 To 20,000, Deduct</i>	-0.52	
			<i>For >20,000, Deduct</i>	-0.69	
09 91 23 00-0241			Doors And Windows (09 91 23)		
09 91 23 00-0242			Frames (09 91 23 00-0241)		
09 91 23 00-0243	LF		Paint Interior Wood Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.89	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.23	
09 91 23 00-0244	LF		Paint Interior Wood Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.17	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.30	
09 91 23 00-0245	LF		Paint Interior Wood Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.97	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.51	
09 91 23 00-0246	LF		Paint Interior Metal Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.23	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0247 LF Paint Interior Metal Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.16	
For Oil Based Paint, Add	0.06	
For Painting One Face Of Frame Only, Deduct	-0.30	
09 91 23 00-0248 LF Paint Interior Metal Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.96	
For Oil Based Paint, Add	0.10	
For Painting One Face Of Frame Only, Deduct	-0.51	
09 91 23 00-0249 Steel Doors (09 91 23 00-0241)		
09 91 23 00-0250 EA Paint Interior Door, One Face, 1 Coat Primer, Brush/Roller Work	36.99	
For Electrostatic Painting, Add	5.10	
For Half Louvered Door, Add	4.15	
For Full Louvered Door, Add	6.92	
For Oil Based Paint, Add	2.32	
For >5 To 10, Deduct	-1.85	
For >10 To 25, Deduct	-3.70	
For >25, Deduct	-5.55	
09 91 23 00-0251 EA Paint Interior Door, One Face, 1 Coat Paint, Brush/Roller Work	36.99	
For Electrostatic Painting, Add	5.10	
For Half Louvered Door, Add	4.15	
For Full Louvered Door, Add	6.92	
For Oil Based Paint, Add	2.32	
For >5 To 10, Deduct	-1.85	
For >10 To 25, Deduct	-3.70	
For >25, Deduct	-5.55	
09 91 23 00-0252 EA Paint Interior Door, One Face, 2 Coats Paint, Brush/Roller Work	65.26	
For Electrostatic Painting, Add	9.30	
For Half Louvered Door, Add	7.01	
For Full Louvered Door, Add	11.69	
For Oil Based Paint, Add	4.19	
For >5 To 10, Deduct	-3.26	
For >10 To 25, Deduct	-6.53	
For >25, Deduct	-9.79	
09 91 23 00-0253 EA Paint Interior Door, Both Faces, 1 Coat Primer, Brush/Roller Work	66.36	
For Electrostatic Painting, Add	9.15	
For Half Louvered Door, Add	7.44	
For Full Louvered Door, Add	12.41	
For Oil Based Paint, Add	4.16	
For >5 To 10, Deduct	-3.32	
For >10 To 25, Deduct	-6.64	
For >25, Deduct	-9.95	
09 91 23 00-0254 EA Paint Interior Door, Both Faces, 1 Coat Paint, Brush/Roller Work	66.37	
For Electrostatic Painting, Add	9.15	
For Half Louvered Door, Add	7.44	
For Full Louvered Door, Add	12.41	
For Oil Based Paint, Add	4.16	
For >5 To 10, Deduct	-3.32	
For >10 To 25, Deduct	-6.64	
For >25, Deduct	-9.96	
09 91 23 00-0255 EA Paint Interior Door, Both Faces, 2 Coats Paint, Brush/Roller Work	117.44	
For Electrostatic Painting, Add	16.77	
For Half Louvered Door, Add	12.59	
For Full Louvered Door, Add	20.99	
For Oil Based Paint, Add	7.55	
For >5 To 10, Deduct	-5.87	
For >10 To 25, Deduct	-11.74	
For >25, Deduct	-17.62	
09 91 23 00-0256 EA Paint Interior Door, One Face, 1 Coat Primer, Spray	26.85	
For Electrostatic Painting, Add	4.22	
For Half Louvered Door, Add	2.49	
For Full Louvered Door, Add	4.15	
For Oil Based Paint, Add	1.86	
For >5 To 10, Deduct	-1.34	
For >10 To 25, Deduct	-2.69	
For >25, Deduct	-4.03	
09 91 23 00-0257 EA Paint Interior Door, One Face, 1 Coat Paint, Spray	26.85	
For Electrostatic Painting, Add	4.22	
For Half Louvered Door, Add	2.49	
For Full Louvered Door, Add	4.15	
For Oil Based Paint, Add	1.86	
For >5 To 10, Deduct	-1.34	
For >10 To 25, Deduct	-2.69	
For >25, Deduct	-4.03	
09 91 23 00-0258 EA Paint Interior Door, One Face, 2 Coats Paint, Spray	48.40	
For Electrostatic Painting, Add	7.89	
For Half Louvered Door, Add	4.21	
For Full Louvered Door, Add	7.01	
For Oil Based Paint, Add	3.44	
For >5 To 10, Deduct	-2.42	
For >10 To 25, Deduct	-4.84	
For >25, Deduct	-7.26	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0259	EA		Paint Interior Door, Both Faces, 1 Coat Primer, Spray	48.19	
			<i>For Electrostatic Painting, Add</i>	7.58	
			<i>For Half Louvered Door, Add</i>	4.47	
			<i>For Full Louvered Door, Add</i>	7.44	
			<i>For Oil Based Paint, Add</i>	3.33	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-4.82	
			<i>For >25, Deduct</i>	-7.23	
09 91 23 00-0260	EA		Paint Interior Door, Both Faces, 1 Coat Paint, Spray	48.19	
			<i>For Electrostatic Painting, Add</i>	7.58	
			<i>For Half Louvered Door, Add</i>	4.47	
			<i>For Full Louvered Door, Add</i>	7.44	
			<i>For Oil Based Paint, Add</i>	3.33	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-4.82	
			<i>For >25, Deduct</i>	-7.23	
09 91 23 00-0261	EA		Paint Interior Door, Both Faces, 2 Coats Paint, Spray	87.21	
			<i>For Electrostatic Painting, Add</i>	14.25	
			<i>For Half Louvered Door, Add</i>	7.56	
			<i>For Full Louvered Door, Add</i>	12.60	
			<i>For Oil Based Paint, Add</i>	6.20	
			<i>For >5 To 10, Deduct</i>	-4.36	
			<i>For >10 To 25, Deduct</i>	-8.72	
			<i>For >25, Deduct</i>	-13.08	
09 91 23 00-0262			Wood Doors <small>(09 91 23 00-0241)</small>		
09 91 23 00-0263	EA		Paint Interior Door, One Face, 1 Coat Primer, Brush/Roller Work	36.99	
			<i>For Oil Based Paint, Add</i>	2.32	
			<i>For Half Louvered Door, Add</i>	4.15	
			<i>For Full Louvered Door, Add</i>	6.92	
			<i>For >5 To 10, Deduct</i>	-1.85	
			<i>For >10 To 25, Deduct</i>	-3.70	
			<i>For >25, Deduct</i>	-5.55	
09 91 23 00-0264	EA		Paint Interior Door, One Face, 1 Coat Paint, Brush/Roller Work	36.99	
			<i>For Oil Based Paint, Add</i>	2.32	
			<i>For Half Louvered Door, Add</i>	4.15	
			<i>For Full Louvered Door, Add</i>	6.92	
			<i>For >5 To 10, Deduct</i>	-1.85	
			<i>For >10 To 25, Deduct</i>	-3.70	
			<i>For >25, Deduct</i>	-5.55	
09 91 23 00-0265	EA		Paint Interior Door, One Face, 2 Coats Paint, Brush/Roller Work	65.26	
			<i>For Oil Based Paint, Add</i>	4.19	
			<i>For Half Louvered Door, Add</i>	7.01	
			<i>For Full Louvered Door, Add</i>	11.69	
			<i>For >5 To 10, Deduct</i>	-3.26	
			<i>For >10 To 25, Deduct</i>	-6.53	
			<i>For >25, Deduct</i>	-9.79	
09 91 23 00-0266	EA		Paint Interior Door, Both Faces, 1 Coat Primer, Brush/Roller Work	66.37	
			<i>For Oil Based Paint, Add</i>	4.16	
			<i>For Half Louvered Door, Add</i>	7.44	
			<i>For Full Louvered Door, Add</i>	12.41	
			<i>For >5 To 10, Deduct</i>	-3.32	
			<i>For >10 To 25, Deduct</i>	-6.64	
			<i>For >25, Deduct</i>	-9.96	
09 91 23 00-0267	EA		Paint Interior Door, Both Faces, 1 Coat Paint, Brush/Roller Work	66.37	
			<i>For Oil Based Paint, Add</i>	4.16	
			<i>For Half Louvered Door, Add</i>	7.44	
			<i>For Full Louvered Door, Add</i>	12.41	
			<i>For >5 To 10, Deduct</i>	-3.32	
			<i>For >10 To 25, Deduct</i>	-6.64	
			<i>For >25, Deduct</i>	-9.96	
09 91 23 00-0268	EA		Paint Interior Door, Both Faces, 2 Coats Paint, Brush/Roller Work	117.44	
			<i>For Oil Based Paint, Add</i>	7.55	
			<i>For Half Louvered Door, Add</i>	12.59	
			<i>For Full Louvered Door, Add</i>	20.99	
			<i>For >5 To 10, Deduct</i>	-5.87	
			<i>For >10 To 25, Deduct</i>	-11.74	
			<i>For >25, Deduct</i>	-17.62	
09 91 23 00-0269	EA		Paint Interior Door, One Face, 1 Coat Primer, Spray	26.85	
			<i>For Oil Based Paint, Add</i>	1.86	
			<i>For Half Louvered Door, Add</i>	2.49	
			<i>For Full Louvered Door, Add</i>	4.15	
			<i>For >5 To 10, Deduct</i>	-1.34	
			<i>For >10 To 25, Deduct</i>	-2.69	
			<i>For >25, Deduct</i>	-4.03	
09 91 23 00-0270	EA		Paint Interior Door, One Face, 1 Coat Paint, Spray	26.85	
			<i>For Oil Based Paint, Add</i>	1.86	
			<i>For Half Louvered Door, Add</i>	2.49	
			<i>For Full Louvered Door, Add</i>	4.15	
			<i>For >5 To 10, Deduct</i>	-1.34	
			<i>For >10 To 25, Deduct</i>	-2.69	
			<i>For >25, Deduct</i>	-4.03	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0271 EA Paint Interior Door, One Face, 2 Coats Paint, Spray	48.42	
For Oil Based Paint, Add	3.44	
For Half Louvered Door, Add	4.21	
For Full Louvered Door, Add	7.02	
For >5 To 10, Deduct	-2.42	
For >10 To 25, Deduct	-4.84	
For >25, Deduct	-7.26	
09 91 23 00-0272 EA Paint Interior Door, Both Faces, 1 Coat Primer, Spray	48.19	
For Oil Based Paint, Add	3.33	
For Half Louvered Door, Add	4.47	
For Full Louvered Door, Add	7.44	
For >5 To 10, Deduct	-2.41	
For >10 To 25, Deduct	-4.82	
For >25, Deduct	-7.23	
09 91 23 00-0273 EA Paint Interior Door, Both Faces, 1 Coat Paint, Spray.....	48.19	
For Oil Based Paint, Add	3.33	
For Half Louvered Door, Add	4.47	
For Full Louvered Door, Add	7.44	
For >5 To 10, Deduct	-2.41	
For >10 To 25, Deduct	-4.82	
For >25, Deduct	-7.23	
09 91 23 00-0274 EA Paint Interior Door, Both Faces, 2 Coats Paint, Spray.....	87.21	
For Oil Based Paint, Add	6.20	
For Half Louvered Door, Add	7.56	
For Full Louvered Door, Add	12.60	
For >5 To 10, Deduct	-4.36	
For >10 To 25, Deduct	-8.72	
For >25, Deduct	-13.08	
09 91 23 00-0275 Steel Windows (09 91 23 00-0241)		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0276 EA Paint Interior Windows Including Trim, Window Size Up To 8 SF.....	68.24	
For Oil Based Paint, Add	3.72	
For Electrostatic Painting, Add	7.75	
For >5 To 10, Deduct	-3.41	
For >10 To 25, Deduct	-6.82	
For >25, Deduct	-10.24	
09 91 23 00-0277 EA Paint Interior Windows Including Trim, Window Size 9 SF To 14 SF.....	81.14	
For Oil Based Paint, Add	4.54	
For Electrostatic Painting, Add	9.55	
For >5 To 10, Deduct	-4.06	
For >10 To 25, Deduct	-8.11	
For >25, Deduct	-12.17	
09 91 23 00-0278 EA Paint Interior Windows Including Trim, Window Size 15 SF To 20 SF.....	109.03	
For Oil Based Paint, Add	6.13	
For Electrostatic Painting, Add	12.94	
For >5 To 10, Deduct	-5.45	
For >10 To 25, Deduct	-10.90	
For >25, Deduct	-16.35	
09 91 23 00-0279 EA Paint Interior Windows Including Trim, Window Size 21 SF To 26 SF.....	122.74	
For Oil Based Paint, Add	6.90	
For Electrostatic Painting, Add	14.58	
For >5 To 10, Deduct	-6.14	
For >10 To 25, Deduct	-12.27	
For >25, Deduct	-18.41	
09 91 23 00-0280 EA Paint Interior Windows Including Trim, Window Size 27 SF To 34 SF.....	136.19	
For Oil Based Paint, Add	7.65	
For Electrostatic Painting, Add	16.15	
For >5 To 10, Deduct	-6.81	
For >10 To 25, Deduct	-13.62	
For >25, Deduct	-20.43	
09 91 23 00-0281 SF Paint Interior Windows Including Trim, Window Size Over 34 SF.....	4.33	
For Oil Based Paint, Add	0.24	
For Electrostatic Painting, Add	0.51	
09 91 23 00-0282 Wood Windows (09 91 23 00-0241)		
Note: Two finish coats paint over primer.		
09 91 23 00-0283 EA Paint Interior Windows Including Trim, Window Size Up To 8 SF.....	68.24	
For Oil Based Paint, Add	3.72	
For >5 To 10, Deduct	-3.41	
For >10 To 25, Deduct	-6.82	
For >25, Deduct	-10.24	
09 91 23 00-0284 EA Paint Interior Windows Including Trim, Window Size 9 SF To 14 SF.....	81.14	
For Oil Based Paint, Add	4.54	
For >5 To 10, Deduct	-4.06	
For >10 To 25, Deduct	-8.11	
For >25, Deduct	-12.17	
09 91 23 00-0285 EA Paint Interior Windows Including Trim, Window Size 15 SF To 20 SF.....	109.03	
For Oil Based Paint, Add	6.13	
For >5 To 10, Deduct	-5.45	
For >10 To 25, Deduct	-10.90	
For >25, Deduct	-16.35	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0286 EA Paint Interior Windows Including Trim, Window Size 21 SF To 26 SF.....	122.74	
For Oil Based Paint, Add	6.90	
For >5 To 10, Deduct	-6.14	
For >10 To 25, Deduct	-12.27	
For >25, Deduct	-18.41	
09 91 23 00-0287 EA Paint Interior Windows Including Trim, Window Size 27 SF To 34 SF.....	136.19	
For Oil Based Paint, Add	7.65	
For >5 To 10, Deduct	-6.81	
For >10 To 25, Deduct	-13.62	
For >25, Deduct	-20.43	
09 91 23 00-0288 SF Paint Interior Windows Including Trim, Window Size Over 34 SF.....	4.56	
For Oil Based Paint, Add	0.25	
09 91 23 00-0289 Security Screens (09 91 23 00-0241)		
09 91 23 00-0290 SF Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	1.17	
For Oil Based Paint, Add	0.07	
For Electrostatic Painting, Add	0.14	
09 91 23 00-0291 SF Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work.....	1.25	
For Oil Based Paint, Add	0.07	
For Electrostatic Painting, Add	0.14	
09 91 23 00-0292 SF Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work.....	2.05	
For Oil Based Paint, Add	0.11	
For Electrostatic Painting, Add	0.23	
09 91 23 00-0293 Window Guards (09 91 23 00-0241)		
09 91 23 00-0294 SF Paint Interior Window Guards, 1 Coat Primer, Brush/Roller Work	1.17	
For Oil Based Paint, Add	0.07	
09 91 23 00-0295 SF Paint Interior Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.25	
For Oil Based Paint, Add	0.07	
09 91 23 00-0296 SF Paint Interior Window Guards, 2 Coats Paint, Brush/Roller Work.....	2.05	
For Oil Based Paint, Add	0.11	
09 91 23 00-0297 Window Trim (09 91 23 00-0241)		
09 91 23 00-0298 LF Paint Interior Window Frame, 1 Coat Primer, Brush/Roller Work	1.18	
For Oil Based Paint, Add	0.07	
09 91 23 00-0299 LF Paint Interior Window Frame, 1 Coat Paint, Brush/Roller Work.....	1.18	
For Oil Based Paint, Add	0.07	
09 91 23 00-0300 LF Paint Interior Window Frame, 2 Coats Paint, Brush/Roller Work	1.35	
For Oil Based Paint, Add	0.09	
09 91 23 00-0301 LF Paint Interior Metal Window Frame, 1 Coat Primer.....	1.21	
Note: Brush/roller work.		
09 91 23 00-0302 LF Paint Interior Metal Window Frame, 1 Coat Paint	1.21	
Note: Brush/roller work.		
09 91 23 00-0303 LF Paint Interior Metal Window Frame, 2 Coats Paint	1.41	
Note: Brush/roller work.		
09 91 23 00-0304 Cabinets And Casework (09 91 23)		
09 91 23 00-0305 Wood (09 91 23 00-0304)		
09 91 23 00-0306 SF Paint Interior Cabinets And Casework, One Coat Paint.....	1.01	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.15	
09 91 23 00-0307 SF Paint Interior Cabinets And Casework, One Coat Prime, One Coat Paint, Enamel Primer, Alkyd Or Latex Paint	1.38	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.21	
09 91 23 00-0308 SF Paint Interior Cabinets And Casework, One Coat Prime, Two Coats Paint, Enamel Primer, Alkyd Or Latex Paint	2.16	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.32	
09 91 23 00-0309 Lockers (09 91 23 00-0304)		
09 91 23 00-0310 SF Paint Exposed Metal Locker One Coat Primer	1.08	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.16	
09 91 23 00-0311 SF Paint Exposed Metal Locker One Coat Alkyd Enamel	1.14	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.17	
09 91 23 00-0312 SF Paint Exposed Metal Locker Two Coats Alkyd Enamel	2.09	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.31	
09 91 23 00-0313 Stairs (09 91 23)		



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0314 Concrete (09 91 23 00-0313)		
09 91 23 00-0315 RSR Paint Interior Concrete Stair (To 4' Wide) One Coat Primer	16.28	
09 91 23 00-0316 RSR Paint Interior Concrete Stair (To 4' Wide) One Coat Alkyd Enamel	16.28	
09 91 23 00-0317 RSR Paint Interior Concrete Stair (To 4' Wide) One Coat Non Slip Paint	19.19	
09 91 23 00-0318 RSR Paint Interior Concrete Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	27.60	
09 91 23 00-0319 RSR Paint Interior Concrete Stair (To 4' Wide) Two Coats Alkyd Enamel	32.54	
09 91 23 00-0320 Metal (09 91 23 00-0313)		
09 91 23 00-0321 RSR Paint Interior Metal Stair (To 4' Wide) One Coat Primer	8.65	
09 91 23 00-0322 RSR Paint Interior Metal Stair (To 4' Wide) One Coat Alkyd Enamel	8.31	
09 91 23 00-0323 RSR Paint Interior Metal Stair (To 4' Wide) Two Coats Alkyd Enamel	16.62	
09 91 23 00-0324 Wood (09 91 23 00-0313)		
09 91 23 00-0325 RSR Paint Interior Wood Stair (To 4' Wide) One Coat Primer	8.31	
09 91 23 00-0326 RSR Paint Interior Wood Stair (To 4' Wide) One Coat Alkyd Enamel	8.30	
09 91 23 00-0327 RSR Paint Interior Wood Stair (To 4' Wide) One Coat Non Slip Paint	11.21	
09 91 23 00-0328 RSR Paint Interior Wood Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	19.62	
09 91 23 00-0329 RSR Paint Interior Wood Stair (To 4' Wide) Two Coats Alkyd Enamel	16.61	
09 91 23 00-0330 Stair Nosing (09 91 23 00-0313)		
09 91 23 00-0331 LF Paint Yellow Stair Safety Strip, Up To 2", Non Slip	1.22	
09 91 23 00-0332 Trim (09 91 23)		
09 91 23 00-0333 Metal (09 91 23 00-0332)		
09 91 23 00-0334 SF Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.12	
09 91 23 00-0335 SF Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.12	
09 91 23 00-0336 SF Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work	2.02	
09 91 23 00-0337 SF Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush/Roller Work	1.12	
09 91 23 00-0338 SF Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush/Roller Work	1.12	
09 91 23 00-0339 SF Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush/Roller Work	2.02	
09 91 23 00-0340 Wood (09 91 23 00-0332)		
09 91 23 00-0341 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Primer	0.62	
<i>For Oil Based Paint, Add</i>	0.03	
09 91 23 00-0342 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Paint	0.69	
<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0343 LF Paint Interior Wood Trim To 6" Wide, 2 Coats Paint	1.44	
<i>For Oil Based Paint, Add</i>	0.08	
09 91 23 00-0344 SF Paint Interior Wood Trim, 1 Coat Primer, Brush Work	1.88	
<i>For Oil Based Paint, Add</i>	0.10	
09 91 23 00-0345 SF Paint Interior Wood Trim, 1 Coat Paint, Brush Work	2.09	
<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0346 SF Paint Interior Wood Trim, 2 Coats Paint, Brush Work	4.45	
<i>For Oil Based Paint, Add</i>	0.24	
09 91 23 00-0347 SF Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.88	
<i>For Oil Based Paint, Add</i>	0.10	
09 91 23 00-0348 SF Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	2.09	
<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0349 SF Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work	4.45	
<i>For Oil Based Paint, Add</i>	0.24	
09 91 23 00-0350 Paint Additives (09 91 23)		
09 91 23 00-0351 SF Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0352 SF Class "B" Fire Rating, Fire Resistant Paint Additive	0.04	
Note: 1 package per gallon for . 2 packages per gallon for Class "A" fire rating.		
<i>For Class "A" Fire Rating, Add</i>	0.04	
09 91 23 00-0353 Hand Painting Letters/Numbers (09 91 23)		
Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0354 EA Up To 1" High, Hand Paint, Per Letter/Number	1.91	
09 91 23 00-0355 EA 1" To 2" High, Hand Paint, Per Letter/Number	2.23	
09 91 23 00-0356 EA 2" To 3" High, Hand Paint, Per Letter/Number	3.39	
09 91 23 00-0357 EA 3" To 4" High, Hand Paint, Per Letter/Number	4.15	
09 91 23 00-0358 EA 4" To 6" High, Hand Paint, Per Letter/Number	5.73	
09 91 23 00-0359 EA 6" To 12" High, Hand Paint, Per Letter/Number	7.26	
09 91 23 00-0360 EA Over 12" High, Hand Paint, Per Letter/Number	8.51	
09 91 23 00-0361 Glove/Mitt Application (09 91 23)		
09 91 23 00-0362 Conduit/Pipe (09 91 23 00-0361)		
09 91 23 00-0363 CSF Acid Wash (Muriatic Acid) With Glove/Mitt, Conduit Or Pipe	36.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0364	CSF		Metal Primer With Glove/Mitt, Conduit Or Pipe.....	56.22	
09 91 23 00-0365	CSF		Enamel, Oil Base Paint, First Coat With Glove/Mitt, Conduit Or Pipe.....	43.73	
09 91 23 00-0366	CSF		Enamel, Oil Base Paint, Second Coat With Glove/Mitt, Conduit Or Pipe.....	35.32	
09 91 23 00-0367	CSF		Epoxy Coating, First Coat With Glove/Mitt, Conduit Or Pipe.....	64.85	
09 91 23 00-0368	CSF		Epoxy Coating, Second Coat With Glove/Mitt, Conduit Or Pipe.....	59.45	
09 91 23 00-0369			Ductwork (09 91 23 00-0361)		
09 91 23 00-0370	CSF		Acid Wash (Muriatic Acid) With Glove/Mitt, Duct.....	36.23	
09 91 23 00-0371	CSF		Metal Primer With Glove/Mitt, Duct.....	46.47	
09 91 23 00-0372	CSF		Enamel, Oil Base Paint With Glove/Mitt, Duct.....	39.74	
09 91 23 00-0373	CSF		Epoxy Coating, First Coat With Glove/Mitt, Duct.....	62.66	
09 91 23 00-0374	CSF		Epoxy Coating, Second Coat With Glove/Mitt, Duct.....	54.01	
09 91 23 00-0375			Stencil Painting Letters/Numbers (09 91 23)		
			Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0376	EA		Up To 1" High, Stencil Painting, Per Letter/Number.....	1.55	
			For >200 To 500, Deduct	-0.12	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000 To 2,000, Deduct	-0.25	
			For >2,000, Deduct	-0.31	
09 91 23 00-0377	EA		1" To 2" High, Stencil Painting, Per Letter/Number.....	1.80	
			For >200 To 500, Deduct	-0.14	
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 2,000, Deduct	-0.29	
			For >2,000, Deduct	-0.36	
09 91 23 00-0378	EA		2" To 3" High, Stencil Painting, Per Letter/Number.....	3.05	
			For >200 To 500, Deduct	-0.24	
			For >500 To 1,000, Deduct	-0.38	
			For >1,000 To 2,000, Deduct	-0.49	
			For >2,000, Deduct	-0.61	
09 91 23 00-0379	EA		3" To 4" High, Stencil Painting, Per Letter/Number.....	3.75	
			For >200 To 500, Deduct	-0.30	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000 To 2,000, Deduct	-0.60	
			For >2,000, Deduct	-0.75	
09 91 23 00-0380	EA		4" To 6" High, Stencil Painting, Per Letter/Number.....	5.16	
			For >200 To 500, Deduct	-0.41	
			For >500 To 1,000, Deduct	-0.65	
			For >1,000 To 2,000, Deduct	-0.83	
			For >2,000, Deduct	-1.03	
09 91 23 00-0381	EA		6" To 12" High, Stencil Painting, Per Letter/Number.....	6.86	
			For >200 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.86	
			For >1,000 To 2,000, Deduct	-1.10	
			For >2,000, Deduct	-1.37	
09 91 23 00-0382	EA		Over 12" High, Stencil Painting, Per Letter/Number.....	8.11	
			For >200 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-1.01	
			For >1,000 To 2,000, Deduct	-1.30	
			For >2,000, Deduct	-1.62	
09 91 33			Painting Materials (09 91)		
			Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.		
09 91 33 00-0001			Primer (09 91 33)		
09 91 33 00-0002	GAL		Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	23.04	
09 91 33 00-0003	GAL		Alkyd Wood Primer, Exterior, 400 SF Per Gallon.....	22.60	
09 91 33 00-0004	GAL		Prime Coat Oil Wood Primer, 310 SF Per Gallon.....	28.66	
09 91 33 00-0005	GAL		Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	52.73	
09 91 33 00-0006	EA		Cement Base Primer, 25 LB Sack.....	23.63	
09 91 33 00-0007	GAL		Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	36.44	
09 91 33 00-0008	GAL		Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	29.25	
09 91 33 00-0009	GAL		Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	22.60	
09 91 33 00-0010	GAL		Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	20.53	
09 91 33 00-0011	GAL		Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon.....	36.19	
09 91 33 00-0012	GAL		Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	30.13	
09 91 33 00-0013	GAL		Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	30.13	
09 91 33 00-0014	GAL		Latex Wood Primer, Exterior, 300 SF Per Gallon.....	33.97	
09 91 33 00-0015	GAL		Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	22.16	
09 91 33 00-0016	GAL		Red Alkyd Primer, 500 SF Per Gallon.....	39.44	
09 91 33 00-0017	GAL		Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	23.63	
09 91 33 00-0018	GAL		Zinc Chromate Primer, 300 SF Per Gallon.....	18.91	
09 91 33 00-0019	GAL		Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	48.89	
09 91 33 00-0020	GAL		Stain Killer, Alcohol Base.....	30.49	
09 91 33 00-0021	GAL		Sealer, Primer Kilz, 400 SF Per Gallon.....	34.40	
09 91 33 00-0022			Paint (09 91 33)		
09 91 33 00-0023	GAL		Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	16.54	
09 91 33 00-0024	GAL		Acrylic Urethane Sealer.....	82.03	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	8.86	
	09 91	33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	51.26	
	09 91	33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon.....	26.88	
	09 91	33 00-0028	GAL	Driveway Coating, Tar Emulsion, 120 SF Per Gallon.....	8.86	
	09 91	33 00-0029	GAL	Driveway Coating, Acrylic Latex, 250 SF Per Gallon.....	13.44	
	09 91	33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	27.18	
	09 91	33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	36.19	
	09 91	33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	29.54	
	09 91	33 00-0033	GAL	Exterior, Oil Base, Flat.....	27.08	
	09 91	33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	25.70	
	09 91	33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	30.28	
	09 91	33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon.....	26.88	
	09 91	33 00-0037	GAL	Exterior, Latex Gloss Enamel, Water Base.....	38.27	
	09 91	33 00-0038	GAL	Cold Galvanizing Paint.....	170.32	
	09 91	33 00-0039	GAL	High Heat Paint.....	55.84	
	09 91	33 00-0040	GAL	Heat Resistant Paint.....	37.22	
	09 91	33 00-0041	GAL	Zinc Chromate Paint.....	33.68	
	09 91	33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	13.29	
	09 91	33 00-0043	GAL	Rust Inhibitor, Ferrous Metal.....	37.22	
	09 91	33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon.....	26.88	
	09 91	33 00-0045	GAL	Alkyd Latex, Black.....	25.11	
	09 91	33 00-0046	GAL	Alkyd Latex, White.....	25.11	
	09 91	33 00-0047	GAL	Alkyd Latex, Colors.....	30.28	
	09 91	33 00-0048	QT	Wrought Iron Paint, Black.....	33.97	
	09 91	33 00-0049	GAL	Vinyl Paint.....	45.20	
	09 91	33 00-0050	GAL	Silicone Alkyd.....	54.95	
	09 91	33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	55.84	
	09 91	33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	70.02	
	09 91	33 00-0053	GAL	Chlorinated Rubber.....	51.40	
	09 91	33 00-0054	GAL	Polyamide Epoxy Sealer.....	53.18	
	09 91	33 00-0055	GAL	Coal Tar Epoxy.....	38.11	
	09 91	33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	47.56	
	09 91	33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	62.04	
	09 91	33 00-0058	GAL	Swimming Pool Rubber Base.....	42.54	
	09 91	33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	27.03	
	09 91	33 00-0060	GAL	Interior, Latex Semi-Gloss Enamel, 300 SF Per Gallon.....	30.28	
	09 91	33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	55.39	
	09 91	33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	18.76	
	09 91	33 00-0063	GAL	Linseed Oil.....	16.40	
	09 91	33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	26.88	
	09 91	33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	30.28	
	09 91	33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	27.70	
	09 91	33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	22.26	
	09 91	33 00-0068		Stain, Varnish <small>(09 91 33)</small>		
	09 91	33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	15.36	
	09 91	33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	28.66	
	09 91	33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	25.55	
	09 91	33 00-0072	GAL	Varnish, Clear.....	42.10	
	09 91	33 00-0073	GAL	Penetrating Water-Repellent Stain.....	30.58	
	09 91	33 00-0074	GAL	Redwood Hue Or Clear Stain.....	27.33	
	09 91	33 00-0075	GAL	Polyurethane.....	47.98	
	09 91	33 00-0076	GAL	Lacquer, Semi-Gloss.....	26.96	
	09 91	33 00-0077	GAL	Shellac, Clear.....	35.37	
	09 91	33 00-0078	GAL	Acetone.....	11.67	
	09 91	33 00-0079	GAL	Paint Thinner.....	2.88	
	09 91	33 00-0080	GAL	Shellac Or Lacquer Thinner.....	11.82	
	09 91	33 00-0081	GAL	Turpentine.....	16.25	
	09 91	33 00-0082	GAL	Wood Filler Paste.....	27.77	
	09 91	33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	22.16	
	09 91	43		Surface Preparation <small>(09 91)</small>		
				Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
	09 91	43 00-0001		Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 91 43)</small> Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
	09 91	43 00-0002		Concrete And Masonry Surfaces <small>(09 91 43 00-0001)</small>		
	09 91	43 00-0003	SF	Calcimine Removal/Washing Concrete Or Masonry.....	0.36	
				For Up To 100, Add	0.23	
				For >100 To 250, Add	0.11	
				For >250 To 500, Add	0.05	
				For >5,000 To 10,000, Deduct	-0.02	
				For >10,000 To 15,000, Deduct	-0.03	
				For >15,000 To 30,000, Deduct	-0.05	
				For >30,000, Deduct	-0.07	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0004	SF		Chemical Clean, Brush And Wash Concrete Or Masonry.....	0.57	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0005	SF		Hand Scrape Concrete Or Masonry.....	0.59	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0006	SF		Steam Clean Concrete Or Masonry.....	0.58	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0007	SF		Up To 5,000 PSI, Pressure Wash Concrete Or Masonry.....	0.37	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.07	
09 91 43 00-0008	SF		10,000 To 12,000 PSI, Water Blast Concrete Or Masonry	1.07	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.16	
			For >30,000, Deduct	-0.21	
09 91 43 00-0009	SF		30,000 To 40,000 PSI, Water Blast Concrete Or Masonry	1.80	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 15,000, Deduct	-0.18	
			For >15,000 To 30,000, Deduct	-0.27	
			For >30,000, Deduct	-0.36	
09 91 43 00-0010	SF		Sand Blasting Concrete Or Masonry.....	1.92	
			For Heavy Condition Where Multiple Pass Is Required, Add	0.96	
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 15,000, Deduct	-0.18	
			For >15,000 To 30,000, Deduct	-0.28	
			For >30,000, Deduct	-0.38	
09 91 43 00-0011			Drywall <small>(09 91 43 00-0001)</small>		
			Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 91 43 00-0012	SF		Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping).....	0.28	
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.06	
09 91 43 00-0013	SF		Hand Wash, Minor Repair And Light Sanding Drywall Surfaces.....	0.49	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.10	
09 91 43 00-0014	SF		Scrape, Repair And Sand Severely Damaged Drywall Surfaces	0.91	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.18	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0015 Metal Surfaces <small>(09 91 43 00-0001)</small>		
09 91 43 00-0016 SF Chemical Clean, Brush And Wash Metal Surface.....	0.57	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 91 43 00-0017 SF Hand Scraping And Sanding, Metal Surface.....	0.59	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0018 SF Up To 5,000 PSI, Pressure Wash Metal Surface.....	0.36	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0019 SF Power Tool Cleaning, Metal Surface	1.02	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0020 SF Steam Cleaning, Metal Surface	0.35	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0021 SF Loose Mill Scale With Fine Powder, Commercial Blast Metal Surface	0.77	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	
09 91 43 00-0022 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast Metal Surface.....	1.04	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0023 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast Metal Surface.....	1.54	
For Up To 100, Add	1.01	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.23	
For >30,000, Deduct	-0.30	
09 91 43 00-0024 SF Badly Pitted With Rust Nodules, Commercial Blast Metal Surface.....	2.58	
For Up To 100, Add	1.68	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.24	
For >15,000 To 30,000, Deduct	-0.38	
For >30,000, Deduct	-0.50	
09 91 43 00-0025 SF Loose Mill Scale With Fine Powder Rust, Near White Blast Metal Surface	1.94	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.18	
For >15,000 To 30,000, Deduct	-0.28	
For >30,000, Deduct	-0.37	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0026	SF		Tight Mill Scale Little Rust, Near White Blast Metal Surface.....	2.42	
			For Up To 100, Add	1.55	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 15,000, Deduct	-0.23	
			For >15,000 To 30,000, Deduct	-0.35	
			For >30,000, Deduct	-0.47	
09 91 43 00-0027	SF		Exterior Coat Blistered Pitted Rust, Near White Blast Metal Surface.....	3.14	
			For Up To 100, Add	2.02	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.40	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 15,000, Deduct	-0.30	
			For >15,000 To 30,000, Deduct	-0.46	
			For >30,000, Deduct	-0.61	
09 91 43 00-0028	SF		Badly Pitted Rust Nodules, Near White Blast Metal Surface	3.92	
			For Up To 100, Add	2.52	
			For >100 To 250, Add	1.18	
			For >250 To 500, Add	0.50	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 15,000, Deduct	-0.37	
			For >15,000 To 30,000, Deduct	-0.57	
			For >30,000, Deduct	-0.76	
09 91 43 00-0029			Tile Surfaces (09 91 43 00-0001)		
09 91 43 00-0030	SF		Alkaline Cleaner, Brush And Wash Tile Surface	0.32	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.06	
09 91 43 00-0031	SF		Up To 5,000 PSI, Pressure Wash Tile Surface	0.26	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.02	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.05	
09 91 43 00-0032			Wood Surfaces (09 91 43 00-0001)		
09 91 43 00-0033	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.04	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >4,000, Deduct	-0.05	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.20	
09 91 43 00-0034	SF		Chemical Clean, Brush And Wash Wood Surface	0.45	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0035	SF		Hand Scrape Wood Surface	0.64	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0036	SF		Steam Clean Wood Surface	0.57	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0037 SF Up To 5,000 PSI, Pressure Wash Wood Surface	0.39	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 91 43 00-0038 SF Sanding Wood Paneling, Boards, Doors, Etcetera	0.67	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 91 43 00-0039 SF Sanding Wood Trim	0.90	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.09	
For >15,000 To 30,000, Deduct	-0.13	
For >30,000, Deduct	-0.18	
09 91 43 00-0040 SF Prime Wood Surfaces With Linseed Oil, 1 Coat	0.58	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 91 43 00-0041 SF Paint Wood Surfaces With Linseed Oil, 1 Coat	0.68	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 91 43 00-0042 Vinyl Siding Surfaces (09 91 43 00-0001)		
09 91 43 00-0043 SF Hand Wash Vinyl Siding	0.51	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	
09 91 43 00-0044 SF Up To 5,000 PSI, Pressure Wash Vinyl Siding	0.32	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.06	
09 91 43 00-0045 SF Steam Clean Vinyl Siding	0.60	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0046 Prep Work (09 91 43 00-0001)		
09 91 43 00-0047 SF Citrus Strip, Single Applications	0.84	
09 91 43 00-0048 Plaster/Stucco (09 91 43 00-0001)		
Note: Based on total project quantity.		
09 91 43 00-0049 SF Up To 5,000 PSI, Pressure Wash Stucco	0.43	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0050 Paint Removal, Strip To Bare Wood <small>(09 91 43 00-0001)</small>		
09 91 43 00-0051 SF Flat Surfaces, Paint Removal, Strip To Bare Wood.....	5.93	
09 91 43 00-0052 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	6.32	
09 91 43 00-0053 "Spot" Painting Of Surfaces <small>(09 91 43 00-0001)</small>		
Note: For use on individual areas less than 10 SF.		
09 91 43 00-0054 SF "Spot" Paint Surfaces, Per Coat.....	1.10	
09 91 43 00-0055 Corrosive Inhibitor Sealant For Concrete <small>(09 91 43 00-0001)</small>		
09 91 43 00-0056 SF Corrosive Inhibitor Sealant For Concrete.....	0.51	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
09 93 Staining And Transparent Finishing <small>(09 90)</small>		
Note: Includes light sanding or screening between coats.		
09 93 23 Interior Staining And Finishing <small>(09 93)</small>		
09 93 23 13 Interior Staining <small>(09 93 23)</small>		
09 93 23 13-0001 Stain Sealer <small>(09 93 23 13)</small>		
Note: Measured by surface area of wall or ceiling.		
09 93 23 13-0002 SF Stain Sealer, Brushed.....	0.73	
For Ceiling Work, Add	0.10	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.06	
09 93 23 13-0003 SF Stain Sealer, Brush/Rolled.....	0.58	
For Ceiling Work, Add	0.08	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.05	
09 93 23 13-0004 SF Stain Sealer, Sprayed.....	0.21	
For Ceiling Work, Add	0.02	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.01	
For >20,000, Deduct	-0.02	
09 93 23 53 Interior Finishing <small>(09 93 23)</small>		
09 93 23 53-0001 Concrete Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0002 SF One Coat Polyurethane Concrete Floor Finish.....	0.72	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >4,000, Deduct	-0.04	
09 93 23 53-0003 Wood Trim Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0004 LF One Coat Stain Up To 6" Wide With Brush And Wipe Off Wood Trim.....	0.94	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >4,000, Deduct	-0.05	
09 93 23 53-0005 SF One Coat Stain With Brush And Wipe Off Wood Trim.....	1.41	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >4,000, Deduct	-0.07	
09 93 23 53-0006 SF One Coat Sealer And One Coat Varnish Or Polyurethane Wood Trim.....	1.17	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >4,000, Deduct	-0.06	
09 93 23 53-0007 SF One Coat Varnish Or Polyurethane Wood Trim.....	0.77	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >4,000, Deduct	-0.04	
09 93 23 53-0008 Wood Floor Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0009 SF Stain Or Varnish Wood Floor With Brush.....	0.47	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >4,000, Deduct	-0.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0010 SF Stain Or Varnish Wood Floor With Brush Or Roller .....0.36 <i>For Up To 100, Add 0.19</i> <i>For >100 To 250, Add 0.09</i> <i>For >250 To 500, Add 0.04</i> <i>For >4,000, Deduct -0.02</i>		
09 93 23 53-0011 SF Refinish Wood Floor With Two Coats Polyurethane .....2.22 <i>Note: Includes sanding existing floor.</i> <i>For Up To 100, Add 1.52</i> <i>For >100 To 250, Add 0.72</i> <i>For >250 To 500, Add 0.31</i> <i>For >4,000, Deduct -0.11</i>		
09 93 23 53-0012 SF One Coat Polyurethane Wood Floor With Wool Applicator Or Brush .....0.60 <i>Note: Includes screening between coats.</i> <i>For Up To 100, Add 0.38</i> <i>For >100 To 250, Add 0.18</i> <i>For >250 To 500, Add 0.08</i> <i>For >4,000, Deduct -0.03</i>		
09 93 23 53-0013 SF Refinish Wood Floor With One Coat Sealer And Two Coats Polyurethane .....2.51 <i>Note: Includes sanding existing floor.</i> <i>For Up To 100, Add 1.71</i> <i>For >100 To 250, Add 0.81</i> <i>For >250 To 500, Add 0.35</i> <i>For >4,000, Deduct -0.13</i>		
09 93 23 53-0014 Wood Door And Window Finishes (09 93 23 53) <i>See CSI section 08 14 16 00-0175 for factory finish.</i>		
09 93 23 53-0015 EA One Coat Stain With Brush And Wipe Off Wood Door (Per Face).....44.55 <i>For Up To 4, Add 32.25</i> <i>For >4 To 10, Add 15.11</i> <i>For >10 To 20, Add 6.49</i> <i>For >160, Deduct -2.23</i>		
09 93 23 53-0016 EA One Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....32.06 <i>For Up To 4, Add 22.33</i> <i>For >4 To 10, Add 10.51</i> <i>For >10 To 20, Add 4.52</i> <i>For >160, Deduct -1.60</i>		
09 93 23 53-0017 EA One Coat Shellac, Varnish Or Polyurethane Wood Door (Per Face).....32.37 <i>For Up To 4, Add 23.26</i> <i>For >4 To 10, Add 10.91</i> <i>For >10 To 20, Add 4.69</i> <i>For >160, Deduct -1.62</i>		
09 93 23 53-0018 EA Three Coats Shellac, Varnish Or Polyurethane Wood Door With Light Sanding Between Coats (Per Face).....98.95 <i>For Up To 4, Add 69.56</i> <i>For >4 To 10, Add 32.69</i> <i>For >10 To 20, Add 14.07</i> <i>For >160, Deduct -4.95</i>		
09 93 23 53-0019 Cabinet Finishes (09 93 23 53)		
09 93 23 53-0020 SF One Coat Stain With Brush And Wipe Cabinet.....1.12		
09 93 23 53-0021 SF One Coat Shellac, Varnish Or Polyurethane Cabinet.....1.14		
09 93 23 53-0022 Gym, Stage And Dance Floor Finishes (09 93 23 53)		
09 93 23 53-0023 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor .....0.57 <i>Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.</i>		
09 93 23 53-0024 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor .....3.04 <i>Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.</i> <i>For Stage Or Dance Floors, Deduct -0.06</i>		
09 93 23 53-0025 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor .....3.12 <i>Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.</i> <i>For Stage Or Dance Floors, Deduct -0.06</i>		
09 93 23 53-0026 SF Finish New High School Wood Gym, Stage Or Dance Floor .....3.19 <i>Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.</i> <i>For Stage Or Dance Floors, Deduct -0.06</i>		
09 93 23 53-0027 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....2.08 <i>Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.</i> <i>For Stage Or Dance Floors, Deduct -0.04</i>		
09 93 23 53-0028 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....2.15 <i>Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.</i> <i>For Stage Or Dance Floors, Deduct -0.04</i>		

09 Finishes**09 90 Painting And Coating****09 93 Staining And Transparent Finishing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0029 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor.....	2.22	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.04	
09 96 High-Performance Coatings (09 90)		
09 96 23 Graffiti-Resistant Coatings (09 96)		
09 96 23 00-0001 Anti-Graffiti Painting (09 96 23)		
09 96 23 00-0002 SF Anti-Graffiti Coating System, One Coat, Concrete Surface.....	1.46	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 96 23 00-0003 SF Anti-Graffiti Coating System, One Coat, Brick Or Block.....	1.49	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 96 23 00-0004 SF Anti-Graffiti Coating System, One Coat, Tile.....	1.25	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 96 23 00-0005 SF Anti-Graffiti Coating System, One Coat, Metal Or Steel.....	1.21	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 96 23 00-0006 SF Anti-Graffiti Coating System, One Coat, Wood.....	1.46	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 96 23 00-0007 SF Anti-Graffiti Coating System, One Coat, Painted Surface.....	1.32	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 96 23 00-0008 SF Anti-Graffiti Coating System, Two Coats, Concrete Surface.....	2.76	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 96 23 00-0009 SF Anti-Graffiti Coating System, Two Coats, Brick Or Block.....	2.83	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
09 96 23 00-0010 SF Anti-Graffiti Coating System, Two Coats, Tile.....	2.34	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 96 23 00-0011 SF Anti-Graffiti Coating System, Two Coats, Metal Or Steel.....	2.27	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
09 96 23 00-0012 SF Anti-Graffiti Coating System, Two Coats, Wood.....	2.72	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.29	
09 96 23 00-0013 SF Anti-Graffiti Coating System, Two Coats, Painted Surface.....	2.48	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.28	
09 96 35 Chemical-Resistant Coatings (09 96)		
09 96 35 00-0001 Sanitile Wall For Interior Wall Systems (09 96 35)		
09 96 35 00-0002 Sanitile 550 System For All Interior Wall Surfaces (09 96 35 00-0001)		
09 96 35 00-0003 SF 7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.83	1.65
09 96 35 00-0004 SF 5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.52	1.65
09 96 35 00-0005 Sanitile System For All Interior Wall Surfaces (09 96 35 00-0001)		
09 96 35 00-0006 SF 7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.77	1.72
09 96 35 00-0007 SF 5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.46	1.72
09 96 53 Elastomeric Coatings (09 96)		
09 96 53 00-0001 Elastomeric Painting (09 96 53)		
Note: Per coat.		



Finishes	09	
Painting And Coating	09 90	09
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0002 SF Paint, Brush, Elastomeric, Per Coat 1.90 For Work >20', Add 0.32 Note: Applied only to work area above 20'. For Up To 100, Add 1.06 For >100 To 250, Add 0.51 For >250 To 500, Add 0.22 For >2,500 To 5,000, Deduct -0.10 For >5,000 To 10,000, Deduct -0.19 For >10,000 To 20,000, Deduct -0.29 For >20,000, Deduct -0.38		
09 96 53 00-0003 SF Paint, Roller, Elastomeric, Per Coat 1.51 For Work >20', Add 0.23 Note: Applied only to work area above 20'. For Up To 100, Add 0.77 For >100 To 250, Add 0.38 For >250 To 500, Add 0.17 For >2,500 To 5,000, Deduct -0.08 For >5,000 To 10,000, Deduct -0.15 For >10,000 To 20,000, Deduct -0.23 For >20,000, Deduct -0.30		
09 96 53 00-0004 SF Paint, Conventional Spray, Elastomeric, Per Coat..... 1.47 For Work >20', Add 0.19 Note: Applied only to work area above 20'. For Up To 100, Add 0.67 For >100 To 250, Add 0.33 For >250 To 500, Add 0.15 For >2,500 To 5,000, Deduct -0.07 For >5,000 To 10,000, Deduct -0.15 For >10,000 To 20,000, Deduct -0.22 For >20,000, Deduct -0.29		
09 96 53 00-0005 SF Paint, Airless Spray, Elastomeric, Per Coat..... 1.32 For Work >20', Add 0.15 Note: Applied only to work area above 20'. For Up To 100, Add 0.56 For >100 To 250, Add 0.28 For >250 To 500, Add 0.13 For >2,500 To 5,000, Deduct -0.07 For >5,000 To 10,000, Deduct -0.13 For >10,000 To 20,000, Deduct -0.20 For >20,000, Deduct -0.26		
09 96 56 Epoxy Coatings (09 96)		
09 96 56 00-0001 High Build Epoxy (09 96 56)		
09 96 56 00-0002 SF High Build Epoxy - 50 Mil..... 2.44		
09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004 SF Laminated Epoxy With Fiberglass 4.40		
09 96 66 Aggregate Wall Coatings (09 96)		
09 96 66 00-0001 Troweled On (09 96 66)		
09 96 66 00-0002 SF Exposed Aggregate - 1/16" To 1/4" - Troweled On..... 3.29		
09 96 66 00-0003 SF Exposed Aggregate - 1/2" To 5/8" Troweled On..... 5.89		
09 96 66 00-0004 SF Exposed Aggregate - 1" Troweled On 8.79		
09 96 66 00-0005 Sprayed On (09 96 66)		
09 96 66 00-0006 SF Exposed Aggregate - 1/8" - Sprayed On..... 2.67		
09 97 Special Coatings (09 90)		
09 97 13 Steel Coatings (09 97)		
09 97 13 23 Exterior Steel Coatings (09 97 13)		
09 97 13 23-0001 Surface Preparation For Tanks And Structural Steel (09 97 13 23) Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.		
09 97 13 23-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0003 SF Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation 1.21 For Up To 100, Add 0.91 For >100 To 250, Add 0.42 For >250 To 500, Add 0.18		
09 97 13 23-0004 SF Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation 1.16 For Up To 100, Add 0.87 For >100 To 250, Add 0.41 For >250 To 500, Add 0.17		

09 Finishes

09 90 Painting And Coating

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0005	SF		Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.17	
09 97 13 23-0006	SF		Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.17	
09 97 13 23-0007	SF		Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.03	
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
09 97 13 23-0008	SF		Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.57	
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 23-0009	SF		Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.45	
			For Up To 100, Add	1.09	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
09 97 13 23-0010			SSPC SP7 Brush Off Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0011	SF		Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.89	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
09 97 13 23-0012	SF		Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.77	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 23-0013	SF		Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.76	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 23-0014	SF		Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.74	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
09 97 13 23-0015	SF		Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.61	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
09 97 13 23-0016	SF		Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.10	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
09 97 13 23-0017	SF		Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.05	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
09 97 13 23-0018			SSPC SP6 Commercial Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0019	SF		Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.26	
			For Up To 100, Add	1.61	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
09 97 13 23-0020	SF		Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.97	
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.28	
09 97 13 23-0021	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.82	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 23-0022	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.82	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 23-0023	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.67	
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 23-0024	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	2.84	
			For Up To 100, Add	2.05	
			For >100 To 250, Add	0.96	
			For >250 To 500, Add	0.41	
09 97 13 23-0025	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.45	
			For Up To 100, Add	1.76	
			For >100 To 250, Add	0.83	
			For >250 To 500, Add	0.35	
09 97 13 23-0026			SSPC SP5 White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0027 SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.40	
For Up To 100, Add	3.16	
For >100 To 250, Add	1.48	
For >250 To 500, Add	0.64	
09 97 13 23-0028 SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	3.76	
For Up To 100, Add	2.69	
For >100 To 250, Add	1.26	
For >250 To 500, Add	0.54	
09 97 13 23-0029 SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	3.46	
For Up To 100, Add	2.46	
For >100 To 250, Add	1.16	
For >250 To 500, Add	0.50	
09 97 13 23-0030 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.29	
For Up To 100, Add	2.34	
For >100 To 250, Add	1.10	
For >250 To 500, Add	0.47	
09 97 13 23-0031 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.14	
For Up To 100, Add	2.23	
For >100 To 250, Add	1.05	
For >250 To 500, Add	0.45	
09 97 13 23-0032 SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.32	
For Up To 100, Add	3.85	
For >100 To 250, Add	1.80	
For >250 To 500, Add	0.78	
09 97 13 23-0033 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	4.60	
For Up To 100, Add	3.32	
For >100 To 250, Add	1.56	
For >250 To 500, Add	0.67	
09 97 13 23-0034 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0035 SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.27	
For Up To 100, Add	2.34	
For >100 To 250, Add	1.10	
For >250 To 500, Add	0.47	
09 97 13 23-0036 SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.79	
For Up To 100, Add	1.99	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0037 SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.63	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
09 97 13 23-0038 SF Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.62	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
09 97 13 23-0039 SF Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.62	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
09 97 13 23-0040 SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.87	
For Up To 100, Add	2.80	
For >100 To 250, Add	1.31	
For >250 To 500, Add	0.56	
09 97 13 23-0041 SF Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.86	
For Up To 100, Add	2.80	
For >100 To 250, Add	1.31	
For >250 To 500, Add	0.56	
09 97 13 23-0042 Protective Coatings For Tanks And Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.		
09 97 13 23-0043 1.5 Mil Prime Coat For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.83	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.62	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.54	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 97 13 23-0047 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.48	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0048	SF		Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.39	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
09 97 13 23-0049	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.00	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
09 97 13 23-0050	SF		Spray Tank Interior 1.5 Mil Prime Coat	0.95	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
09 97 13 23-0051	SF		Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.28	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 97 13 23-0052	SF		Brush Type 2 Structural Steel 1.5 Mil Prime Coat	0.93	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
09 97 13 23-0053	SF		Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.82	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
09 97 13 23-0054	SF		Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.72	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
09 97 13 23-0055	SF		Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.57	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
09 97 13 23-0056	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.54	
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.22	
09 97 13 23-0057	SF		Brush Tank Interior 1.5 Mil Prime Coat	1.47	
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
09 97 13 23-0058 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel					
<small>(09 97 13 23-0042)</small>					
09 97 13 23-0059	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.44	
			For Up To 100, Add	1.65	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
09 97 13 23-0060	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.74	
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
09 97 13 23-0061	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.61	
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.21	
09 97 13 23-0062	SF		Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.39	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 97 13 23-0063	SF		Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.06	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
09 97 13 23-0064	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.99	
			For Up To 100, Add	2.06	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
09 97 13 23-0065	SF		Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.67	
			For Up To 100, Add	1.85	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.37	
09 97 13 23-0066	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.83	
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
09 97 13 23-0067	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.30	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
09 97 13 23-0068	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.20	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0069 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.05	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0070 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.80	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0071 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.24	
For Up To 100, Add	1.54	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.31	
09 97 13 23-0072 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.00	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 23-0073 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.05	
For Up To 100, Add	2.86	
For >100 To 250, Add	1.34	
For >250 To 500, Add	0.58	
09 97 13 23-0074 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.84	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0075 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.61	
For Up To 100, Add	1.80	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.36	
09 97 13 23-0076 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.25	
For Up To 100, Add	1.53	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
09 97 13 23-0077 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.67	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
09 97 13 23-0078 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.99	
For Up To 100, Add	3.56	
For >100 To 250, Add	1.67	
For >250 To 500, Add	0.72	
09 97 13 23-0079 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.47	
For Up To 100, Add	3.20	
For >100 To 250, Add	1.50	
For >250 To 500, Add	0.64	
09 97 13 23-0080 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.02	
For Up To 100, Add	2.13	
For >100 To 250, Add	1.00	
For >250 To 500, Add	0.43	
09 97 13 23-0081 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.13	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 97 13 23-0082 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.96	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.27	
09 97 13 23-0083 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.69	
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 23-0084 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.25	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0085 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.74	
For Up To 100, Add	2.67	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.54	
09 97 13 23-0086 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.36	
For Up To 100, Add	2.40	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.48	
09 97 13 23-0087 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel		
<small>(09 97 13 23-0042)</small>		
09 97 13 23-0088 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.89	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
09 97 13 23-0089 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.54	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	

09 Finishes**09 90 Painting And Coating**

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0090	SF		Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.41	
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0091	SF		Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.26	
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
09 97 13 23-0092	SF		Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.06	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 97 13 23-0093	SF		Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.36	
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.33	
09 97 13 23-0094	SF		Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.80	
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.40	
09 97 13 23-0095	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.21	
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
09 97 13 23-0096	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.98	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
09 97 13 23-0097	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.90	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
09 97 13 23-0098	SF		Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.81	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 23-0099	SF		Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.68	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 97 13 23-0100	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.51	
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
09 97 13 23-0101	SF		Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.79	
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 23-0102	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.89	
			For Up To 100, Add	2.04	
			For >100 To 250, Add	0.96	
			For >250 To 500, Add	0.41	
09 97 13 23-0103	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.33	
			For Up To 100, Add	1.63	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.33	
09 97 13 23-0104	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.12	
			For Up To 100, Add	1.47	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
09 97 13 23-0105	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.90	
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 23-0106	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.58	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
09 97 13 23-0107	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.64	
			For Up To 100, Add	2.60	
			For >100 To 250, Add	1.22	
			For >250 To 500, Add	0.52	
09 97 13 23-0108	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.68	
			For Up To 100, Add	3.44	
			For >100 To 250, Add	1.61	
			For >250 To 500, Add	0.69	
09 97 13 23-0109	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.85	
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.26	
09 97 13 23-0110	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.50	
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97	13 23-0111	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.36	
				For Up To 100, Add	0.94	
				For >100 To 250, Add	0.44	
				For >250 To 500, Add	0.19	
09 97	13 23-0112	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.22	
				For Up To 100, Add	0.84	
				For >100 To 250, Add	0.40	
				For >250 To 500, Add	0.17	
09 97	13 23-0113	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.00	
				For Up To 100, Add	0.68	
				For >100 To 250, Add	0.32	
				For >250 To 500, Add	0.14	
09 97	13 23-0114	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.33	
				For Up To 100, Add	1.66	
				For >100 To 250, Add	0.78	
				For >250 To 500, Add	0.34	
09 97	13 23-0115	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.04	
				For Up To 100, Add	2.21	
				For >100 To 250, Add	1.03	
				For >250 To 500, Add	0.44	
09 97 13 23-0116 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)						
09 97	13 23-0117	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.01	
				For Up To 100, Add	1.90	
				For >100 To 250, Add	0.90	
				For >250 To 500, Add	0.39	
09 97	13 23-0118	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.16	
				For Up To 100, Add	1.29	
				For >100 To 250, Add	0.62	
				For >250 To 500, Add	0.27	
09 97	13 23-0119	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.89	
				For Up To 100, Add	1.09	
				For >100 To 250, Add	0.52	
				For >250 To 500, Add	0.23	
09 97	13 23-0120	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.74	
				For Up To 100, Add	0.99	
				For >100 To 250, Add	0.48	
				For >250 To 500, Add	0.21	
09 97	13 23-0121	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.47	
				For Up To 100, Add	0.78	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.17	
09 97	13 23-0122	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.43	
				For Up To 100, Add	2.20	
				For >100 To 250, Add	1.05	
				For >250 To 500, Add	0.45	
09 97	13 23-0123	SF		Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.11	
				For Up To 100, Add	1.33	
				For >100 To 250, Add	0.63	
				For >250 To 500, Add	0.27	
09 97	13 23-0124	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.50	
				For Up To 100, Add	0.90	
				For >100 To 250, Add	0.43	
				For >250 To 500, Add	0.19	
09 97	13 23-0125	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.32	
				For Up To 100, Add	0.76	
				For >100 To 250, Add	0.37	
				For >250 To 500, Add	0.16	
09 97	13 23-0126	SF		Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.21	
				For Up To 100, Add	0.69	
				For >100 To 250, Add	0.33	
				For >250 To 500, Add	0.14	
09 97	13 23-0127	SF		Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.03	
				For Up To 100, Add	0.55	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
09 97	13 23-0128	SF		Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.41	
				For Up To 100, Add	1.54	
				For >100 To 250, Add	0.73	
				For >250 To 500, Add	0.32	
09 97 13 23-0129 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)						
09 97	13 23-0130	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.18	
				For Up To 100, Add	1.92	
				For >100 To 250, Add	0.92	
				For >250 To 500, Add	0.40	
09 97	13 23-0131	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.31	
				For Up To 100, Add	1.31	
				For >100 To 250, Add	0.63	
				For >250 To 500, Add	0.28	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0132	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.04	
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.24	
09 97 13 23-0133	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.89	
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.22	
09 97 13 23-0134	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.62	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
09 97 13 23-0135	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.61	
			For Up To 100, Add	2.23	
			For >100 To 250, Add	1.06	
			For >250 To 500, Add	0.46	
09 97 13 23-0136	SF		Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.61	
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
09 97 13 23-0137	SF		Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.90	
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
09 97 13 23-0138	SF		Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.68	
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0139	SF		Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.55	
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
09 97 13 23-0140	SF		Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.33	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
09 97 13 23-0141	SF		Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats.....	2.96	
			For Up To 100, Add	1.83	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.38	
09 97 13 23-0142			1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0143	SF		Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.70	
			For Up To 100, Add	4.14	
			For >100 To 250, Add	1.98	
			For >250 To 500, Add	0.86	
09 97 13 23-0144	SF		Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.01	
			For Up To 100, Add	2.96	
			For >100 To 250, Add	1.42	
			For >250 To 500, Add	0.62	
09 97 13 23-0145	SF		Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.81	
			For Up To 100, Add	2.81	
			For >100 To 250, Add	1.35	
			For >250 To 500, Add	0.59	
09 97 13 23-0146	SF		Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.64	
			For Up To 100, Add	2.71	
			For >100 To 250, Add	1.30	
			For >250 To 500, Add	0.57	
09 97 13 23-0147	SF		Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.24	
			For Up To 100, Add	2.41	
			For >100 To 250, Add	1.16	
			For >250 To 500, Add	0.51	
09 97 13 23-0148	SF		Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.87	
			For Up To 100, Add	5.00	
			For >100 To 250, Add	2.38	
			For >250 To 500, Add	1.03	
09 97 13 23-0149	SF		Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.32	
			For Up To 100, Add	4.72	
			For >100 To 250, Add	2.24	
			For >250 To 500, Add	0.97	
09 97 13 23-0150			1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0151	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.45	
			For Up To 100, Add	2.00	
			For >100 To 250, Add	0.96	
			For >250 To 500, Add	0.42	
09 97 13 23-0152	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.64	
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97	13 23-0153	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.50	
				For Up To 100, Add	1.29	
				For >100 To 250, Add	0.63	
				For >250 To 500, Add	0.28	
09 97	13 23-0154	SF		Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.36	
				For Up To 100, Add	1.25	
				For >100 To 250, Add	0.61	
				For >250 To 500, Add	0.27	
09 97	13 23-0155	SF		Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.07	
				For Up To 100, Add	1.04	
				For >100 To 250, Add	0.51	
				For >250 To 500, Add	0.22	
09 97	13 23-0156	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.96	
				For Up To 100, Add	2.36	
				For >100 To 250, Add	1.13	
				For >250 To 500, Add	0.49	
09 97	13 23-0157	SF		Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.67	
				For Up To 100, Add	2.24	
				For >100 To 250, Add	1.07	
				For >250 To 500, Add	0.46	
09 97	13 23-0158	SF		Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.73	
				For Up To 100, Add	1.59	
				For >100 To 250, Add	0.76	
				For >250 To 500, Add	0.33	
09 97	13 23-0159	SF		Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.09	
				For Up To 100, Add	1.11	
				For >100 To 250, Add	0.54	
				For >250 To 500, Add	0.24	
09 97	13 23-0160	SF		Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	1.99	
				For Up To 100, Add	1.03	
				For >100 To 250, Add	0.50	
				For >250 To 500, Add	0.22	
09 97	13 23-0161	SF		Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.86	
				For Up To 100, Add	0.99	
				For >100 To 250, Add	0.48	
				For >250 To 500, Add	0.21	
09 97	13 23-0162	SF		Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.63	
				For Up To 100, Add	0.81	
				For >100 To 250, Add	0.40	
				For >250 To 500, Add	0.18	
09 97	13 23-0163	SF		Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	3.13	
				For Up To 100, Add	1.87	
				For >100 To 250, Add	0.90	
				For >250 To 500, Add	0.39	
09 97	13 23-0164	SF		Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats.....	2.90	
				For Up To 100, Add	1.77	
				For >100 To 250, Add	0.85	
				For >250 To 500, Add	0.37	
09 97	13 23-0165			Two 8 Mil Coal Tar Epoxy Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97	13 23-0166	SF		Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.03	
				For Up To 100, Add	1.94	
				For >100 To 250, Add	0.92	
				For >250 To 500, Add	0.40	
09 97	13 23-0167	SF		Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.45	
				For Up To 100, Add	1.53	
				For >100 To 250, Add	0.73	
				For >250 To 500, Add	0.32	
09 97	13 23-0168	SF		Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.25	
				For Up To 100, Add	1.38	
				For >100 To 250, Add	0.66	
				For >250 To 500, Add	0.29	
09 97	13 23-0169	SF		Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.23	
				For Up To 100, Add	1.38	
				For >100 To 250, Add	0.66	
				For >250 To 500, Add	0.29	
09 97	13 23-0170	SF		Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.83	
				For Up To 100, Add	1.08	
				For >100 To 250, Add	0.52	
				For >250 To 500, Add	0.23	
09 97	13 23-0171	SF		Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	3.78	
				For Up To 100, Add	2.49	
				For >100 To 250, Add	1.18	
				For >250 To 500, Add	0.51	
09 97	13 23-0172	SF		Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats.....	2.90	
				For Up To 100, Add	1.88	
				For >100 To 250, Add	0.89	
				For >250 To 500, Add	0.39	
09 97	13 23-0173			One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks And Structural Steel (09 97 13 23-0042)		

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0174	SF		Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.96	
			For Up To 100, Add	1.97	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.40	
09 97 13 23-0175	SF		Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.07	
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 23-0176	SF		Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.74	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
09 97 13 23-0177	SF		Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.51	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
09 97 13 23-0178	SF		Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.38	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
09 97 13 23-0179	SF		Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.40	
			For Up To 100, Add	2.28	
			For >100 To 250, Add	1.08	
			For >250 To 500, Add	0.47	
09 97 13 23-0180	SF		Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.39	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
09 97 13 23-0181			Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 23-0042)		
09 97 13 23-0182	SF		Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	3.40	
			For Up To 100, Add	2.12	
			For >100 To 250, Add	1.01	
			For >250 To 500, Add	0.44	
09 97 13 23-0183	SF		Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	1.99	
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
09 97 13 23-0184			One 3 Mil High Zinc Silicate Coat For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0185	SF		Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.51	
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 97 13 23-0186	SF		Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.07	
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
09 97 13 23-0187	SF		Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.00	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 23-0188	SF		Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat.....	0.93	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
09 97 13 23-0189	SF		Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat.....	0.89	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 97 13 23-0190	SF		Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat.....	1.58	
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0191	SF		Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	1.52	
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
09 97 13 23-0192			Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
			Note: Installed over existing primer.		
09 97 13 23-0193	SF		Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.38	
			For Up To 100, Add	1.48	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0194 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.93	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0195 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.67	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0196 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.58	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0197 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.39	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 23-0198 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.81	
For Up To 100, Add	1.79	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 23-0199 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.25	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 23-0200 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks ⁽⁰⁹		
^{97 13 23-0042)}		
09 97 13 23-0201 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	6.01	
For Up To 100, Add	3.96	
For >100 To 250, Add	1.87	
For >250 To 500, Add	0.81	
09 97 26 Cementitious Coatings ^(09 97)		
09 97 26 13 Interior Cementitious Coatings ^(09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating ^(09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious ^(09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating. - Cementitious	2.16	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base ^(09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	1.76	
09 97 35 Dry Erase Coatings ^(09 97)		
09 97 35 00-0001 Dry-Erase Paint ^(09 97 35)		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) ^(09 97 35 00-0001)		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	7.11	
Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) ^(09 97 35 00-0001)		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	3.77	
Note: For application over existing latex-based top coats.		
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	7.53	
Note: Includes two coats of primer and white or black surface coat.		
09 97 63 Special Coatings ^(09 97)		
09 97 63 00-0001 Acrylic Glazed Coating ^(09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating	1.36	

END OF SECTION 09

09	09	Finishes
	09 90	Painting And Coating
	09 97	Special Coatings



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

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Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	39.79	6.43
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	26.05	3.02
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.53	2.61
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.95	1.70
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	16.12	0.95
10 11 13 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.				
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	42.29	6.43
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.49	3.02
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.77	2.61
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.67	1.70
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.79	0.95
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) ^(10 11 13 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.				
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	38.25	6.43
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	24.48	3.02
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	21.02	2.61
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	17.69	1.70
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	14.71	0.95
10 11 13 13-0020		Remove And Reinstall ^(10 11 13 13)		
10 11 13 13-0021	SF	Remove And Reinstall Chalkboard.....	8.00	
10 11 13 13-0022		Field Applied Chalkboard And Accessories ^(10 11 13 13)		
10 11 13 13-0023		Chalkboard Face Sheets And Panels ^(10 11 13 13-0022)		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	12.85	3.02
Note: Includes porcelain enamel steel chalkboard skin.				
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	15.63	3.02
Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.				
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim ^(10 11 13 13-0022)		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	14.14	4.16
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	19.61	7.56
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	10.21	4.16
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	10.51	4.16
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	11.42	4.16
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	12.17	4.16
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	10.98	4.16
10 11 13 33		Rail-Mounted Chalkboards ^(10 11 13)		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) ^(10 11 13 33)		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,955.70	75.64
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,200.91	75.64

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,495.64	80.56
10 11 13 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,780.54	80.56
10 11 13 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,472.56	86.61
10 11 13 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,699.81	86.61
10 11 13 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,184.37	90.77
10 11 13 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,748.50	90.77
10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,687.13	75.64
10 11 13 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,195.05	75.64
10 11 13 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,659.88	80.56
10 11 13 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,126.22	80.56
10 11 13 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,706.73	86.61
10 11 13 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,912.24	86.61
10 11 13 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,766.30	90.77
10 11 13 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,452.33	90.77
10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,998.98	75.64
10 11 13 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,414.29	75.64
10 11 13 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,861.16	80.56
10 11 13 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,337.90	80.56
10 11 13 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,258.61	86.61
10 11 13 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,477.35	86.61
10 11 13 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,474.11	90.77
10 11 13 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,233.43	90.77
10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) ^(10 11 13 33)		
10 11 13 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,345.49	75.64
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,592.59	75.64
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,836.29	80.56
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,265.28	80.56
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,577.87	86.61
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,973.78	86.61
10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,458.63	75.64
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,842.26	75.64
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,224.38	80.56
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,930.22	80.56
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,366.56	86.61
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,007.20	86.61
10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,737.14	75.64
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,260.14	75.64
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,781.63	80.56
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,763.37	80.56
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,334.81	86.61
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,237.17	86.61
10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) ^(10 11 13 33)		
Note: Excludes remotes.		
10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0051)		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,583.23	151.28
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,802.09	151.28
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,043.63	156.01
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,444.50	156.01
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,885.06	160.74
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,271.75	160.74
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,108.29	170.20
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,215.26	170.20



Specialties	10
Information Specialties	10 10
Visual Display Units	10 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,974.08	151.28
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,263.43	151.28
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,583.98	156.01
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,173.09	156.01
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,756.53	160.74
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,316.35	160.74
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,447.92	170.20
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,617.45	170.20
10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,579.63	151.28
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,309.93	151.28
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,694.35	156.01
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,460.37	156.01
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,263.24	160.74
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,037.76	160.74
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,560.74	170.20
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,858.99	170.20
10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories <small>(10 11 13 33)</small>		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	573.62	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	980.91	
10 11 16 Markerboards <small>(10 11)</small>		
10 11 16 13 Fixed Markerboards <small>(10 11 16)</small>		
<small>Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.</small>		
10 11 16 13-0001 Porcelain Enamel Steel Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small>		
<small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.</small>		
10 11 16 13-0003 SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	39.95	6.43
10 11 16 13-0004 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	26.60	3.02
10 11 16 13-0005 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	22.53	2.61
10 11 16 13-0006 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.15	1.70
10 11 16 13-0007 SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	15.90	0.95
10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small>		
<small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.</small>		
10 11 16 13-0009 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	42.32	6.43
10 11 16 13-0010 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	27.31	3.02
10 11 16 13-0011 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	23.59	2.61
10 11 16 13-0012 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	20.49	1.70
10 11 16 13-0013 SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	18.09	0.95
10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small>		
<small>Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.</small>		
10 11 16 13-0015 SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	38.23	6.43
10 11 16 13-0016 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	24.49	3.02
10 11 16 13-0017 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	22.17	2.61
10 11 16 13-0018 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	17.81	1.70
10 11 16 13-0019 SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	14.45	0.95
10 11 16 13-0020 Melamine Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small>		
<small>Note: Includes full length map rail, map hooks, marker tray and mounting hardware.</small>		
10 11 16 13-0022 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	30.97	6.43
10 11 16 13-0023 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	19.48	3.02
10 11 16 13-0024 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	16.91	2.61
10 11 16 13-0025 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	12.85	1.70
10 11 16 13-0026 SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	10.67	0.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0027			1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020) Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	30.17	6.43
10 11 16 13-0029	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	19.11	3.02
10 11 16 13-0030	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	16.38	2.61
10 11 16 13-0031	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.90	1.70
10 11 16 13-0032	SF		>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	9.80	0.95
10 11 16 13-0033			Nonporous, Non-Staining Markerboards (10 11 16 13)		
10 11 16 13-0034			5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	30.03	6.43
			<i>For Magnetic Surface, Add</i>	1.72	
10 11 16 13-0036	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	19.12	3.02
			<i>For Magnetic Surface, Add</i>	1.31	
10 11 16 13-0037	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	16.49	2.61
			<i>For Magnetic Surface, Add</i>	1.13	
10 11 16 13-0038	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	14.23	1.70
			<i>For Magnetic Surface, Add</i>	1.08	
10 11 16 13-0039	SF		>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	11.99	0.95
			<i>For Magnetic Surface, Add</i>	1.01	
10 11 16 13-0040			1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF		Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	30.03	6.43
			<i>For Magnetic Surface, Add</i>	1.72	
10 11 16 13-0042	SF		>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	19.12	3.02
			<i>For Magnetic Surface, Add</i>	1.31	
10 11 16 13-0043	SF		>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	16.49	2.61
			<i>For Magnetic Surface, Add</i>	1.13	
10 11 16 13-0044	SF		>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	14.23	1.70
			<i>For Magnetic Surface, Add</i>	1.08	
10 11 16 13-0045	SF		>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	11.99	0.95
			<i>For Magnetic Surface, Add</i>	1.01	
10 11 16 13-0046			1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF		Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	51.31	6.43
			<i>For Magnetic Surface, Add</i>	3.85	
10 11 16 13-0048	SF		>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	31.90	3.02
			<i>For Magnetic Surface, Add</i>	2.59	
10 11 16 13-0049	SF		>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	26.99	2.61
			<i>For Magnetic Surface, Add</i>	2.18	
10 11 16 13-0050	SF		>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	22.53	1.70
			<i>For Magnetic Surface, Add</i>	1.91	
10 11 16 13-0051	SF		>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	17.29	0.95
			<i>For Magnetic Surface, Add</i>	1.54	
10 11 16 13-0052			Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) (10 11 16 13-0033) Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF		Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	13.34	2.61
10 11 16 13-0054	SF		>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	11.10	1.70
10 11 16 13-0055	SF		>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	9.07	0.95
10 11 16 13-0056			Remove And Reinstall Markerboard (10 11 16 13)		
10 11 16 13-0057	EA		Up To 6 SF, Remove And Reinstall Markerboard	45.39	
10 11 16 13-0058	EA		>6 To 12 SF, Remove And Reinstall Markerboard	52.95	
10 11 16 13-0059	EA		>12 To 16 SF, Remove And Reinstall Markerboard	60.52	
10 11 16 13-0060	EA		>16 To 24 SF, Remove And Reinstall Markerboard	68.08	
10 11 16 13-0061	EA		>24 SF, Remove And Reinstall Markerboard.....	75.64	



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0062	Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>	
10 11 16 13-0063	Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>	
10 11 16 13-0064	SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) 12.63	3.02
	Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	
10 11 16 13-0065	SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) 15.12	3.02
	Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	
10 11 16 13-0066	SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... 15.06	3.02
	Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	
10 11 16 13-0067	SF Melamine Markerboard Panel (Claridge 1032) 8.11	3.02
	Note: Includes 1/4" thick melamine panel.	
10 11 16 13-0068	Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small>	
	See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.	
10 11 16 33	Rail-Mounted Markerboards <small>(10 11 16)</small>	
10 11 16 33-0001	Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>	
10 11 16 33-0002	Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>	
10 11 16 33-0003	EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 1,931.66	75.64
10 11 16 33-0004	EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,168.86	75.64
10 11 16 33-0005	EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,455.57	80.56
10 11 16 33-0006	EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,732.45	80.56
10 11 16 33-0007	EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,416.46	86.61
10 11 16 33-0008	EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,635.70	86.61
10 11 16 33-0009	EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,104.24	90.77
10 11 16 33-0010	EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,652.34	90.77
10 11 16 33-0011	Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>	
10 11 16 33-0012	EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,663.09	75.64
10 11 16 33-0013	EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,163.00	75.64
10 11 16 33-0014	EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,619.81	80.56
10 11 16 33-0015	EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,078.13	80.56
10 11 16 33-0016	EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,650.63	86.61
10 11 16 33-0017	EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,848.14	86.61
10 11 16 33-0018	EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 5,686.16	90.77
10 11 16 33-0019	EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 6,356.17	90.77
10 11 16 33-0020	Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>	
10 11 16 33-0021	EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,974.94	75.64
10 11 16 33-0022	EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,382.24	75.64
10 11 16 33-0023	EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,821.09	80.56
10 11 16 33-0024	EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,289.81	80.56
10 11 16 33-0025	EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 5,202.51	86.61
10 11 16 33-0026	EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 5,413.24	86.61
10 11 16 33-0027	EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 6,393.97	90.77
10 11 16 33-0028	EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 7,161.31	90.77
10 11 16 33-0029	Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>	
10 11 16 33-0030	One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>	
10 11 16 33-0031	EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,313.44	75.64
10 11 16 33-0032	EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,552.52	75.64
10 11 16 33-0033	EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,788.21	80.56
10 11 16 33-0034	EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,201.17	80.56
10 11 16 33-0035	EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,497.73	86.61
10 11 16 33-0036	EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,877.62	86.61
10 11 16 33-0037	Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>	
10 11 16 33-0038	EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,394.52	75.64
10 11 16 33-0039	EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,762.12	75.64
10 11 16 33-0040	EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 4,128.22	80.56
10 11 16 33-0041	EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 4,802.01	80.56
10 11 16 33-0042	EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 5,206.29	86.61
10 11 16 33-0043	EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 5,814.87	86.61



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 11 16 33-0044	Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,640.98 75.64
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,139.94 75.64
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,637.39 80.56
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,571.05 80.56
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,094.40 86.61
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,948.68 86.61
10 11 16 33-0051	Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small> Note: Excludes remotes.		
10 11 16 33-0052	One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,543.16 151.28
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,752.01 151.28
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,983.53 156.01
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,364.36 156.01
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,784.89 160.74
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,151.55 160.74
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,968.05 170.20
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,054.99 170.20
10 11 16 33-0061	Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,893.94 151.28
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,163.27 151.28
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,463.78 156.01
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,012.82 156.01
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,556.19 160.74
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,075.95 160.74
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,167.44 170.20
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,296.91 170.20
10 11 16 33-0070	Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,459.43 151.28
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,159.67 151.28
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,514.04 156.01
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,219.96 156.01
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,962.73 160.74
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,677.15 160.74
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,140.03 170.20
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,378.17 170.20
10 11 16 33-0079	Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small> See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23	Tackboards <small>(10 11)</small>		
10 11 23 13	Fixed Tackboards <small>(10 11 23)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001	Fixed Tackboards <small>(10 11 23 13)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002	Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003	5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	25.54 6.43
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	14.87 3.02
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.90 2.61
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.49 1.70
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.80 0.95
10 11 23 13-0009	1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	27.04 6.43
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	15.56 3.02
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	12.54 2.61
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.94 1.70



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0014 SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	7.94	0.95
10 11 23 13-0015 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)		
10 11 23 13-0016 SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	27.19	6.43
10 11 23 13-0017 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	17.02	3.02
10 11 23 13-0018 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	15.85	2.61
10 11 23 13-0019 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	12.34	1.70
10 11 23 13-0020 SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	9.95	0.95
10 11 23 13-0021 Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0021)		
10 11 23 13-0023 SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	29.87	6.43
10 11 23 13-0024 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	20.07	3.02
10 11 23 13-0025 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.39	2.61
10 11 23 13-0026 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.00	1.70
10 11 23 13-0027 SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	14.41	0.95
10 11 23 13-0028 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0021)		
10 11 23 13-0029 SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	33.49	6.43
10 11 23 13-0030 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	23.94	3.02
10 11 23 13-0031 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	22.29	2.61
10 11 23 13-0032 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.84	1.70
10 11 23 13-0033 SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.48	0.95
10 11 23 13-0034 Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)		
10 11 23 13-0036 SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	26.56	6.43
10 11 23 13-0037 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	16.13	3.02
10 11 23 13-0038 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.32	2.61
10 11 23 13-0039 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.94	1.70
10 11 23 13-0040 SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.10	0.95
10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)		
10 11 23 13-0042 SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	28.61	6.43
10 11 23 13-0043 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	18.79	3.02
10 11 23 13-0044 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	17.50	2.61
10 11 23 13-0045 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.15	1.70
10 11 23 13-0046 SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.84	0.95
10 11 23 13-0047 Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049 SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	25.54	6.43
10 11 23 13-0050 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.95	3.02
10 11 23 13-0051 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	13.02	2.61
10 11 23 13-0052 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	10.49	1.70
10 11 23 13-0053 SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	8.62	0.95
10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055 SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	27.19	6.43
10 11 23 13-0056 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	17.75	3.02
10 11 23 13-0057 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	15.85	2.61
10 11 23 13-0058 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	12.34	1.70
10 11 23 13-0059 SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	9.95	0.95
10 12 Display Cases (10 10)		
10 12 00 00-0001 Counter Display Cases (10 12)		
10 12 00 00-0002 EA 30" x 12" x 36" Counter Display Cases.....	898.73	115.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 12 00 00-0003 EA 30" x 12" x 48" Counter Display Cases.....	966.60	115.89
10 12 00 00-0004 EA 30" x 18" x 36" Counter Display Cases.....	938.96	115.89
10 12 00 00-0005 EA 30" x 18" x 48" Counter Display Cases.....	904.19	51.51
10 12 00 00-0006 Upright Display Case (10 12)		
10 12 00 00-0007 EA 72 In x 20 In x 70 In Upright Display Case.....	1,819.36	115.89
10 12 00 00-0008 Full Vision Display Case (10 12)		
10 12 00 00-0009 EA 38 In x 20 In x 70 In Full Vision Display Case.....	1,205.58	115.89
10 13 Directories (10 10)		
10 13 16 Directory And Bulletin Boards (10 13)		
Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 16 00-0001 Wall Mounted Directories (10 13 16)		
Note: Includes changeable letters.		
10 13 16 00-0002 Open Face, Wall Mounted Directories (10 13 16 00-0001)		
Note: Includes vinyl or felt back panel.		
10 13 16 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series)		
(10 13 16 00-0002)		
10 13 16 00-0004 SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	44.68	6.43
10 13 16 00-0005 SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	29.91	3.02
10 13 16 00-0006 SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	27.27	2.61
10 13 16 00-0007 SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	21.00	1.70
10 13 16 00-0008 SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	17.01	0.95
10 13 16 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series)		
(10 13 16 00-0002)		
10 13 16 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	45.15	6.43
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	30.23	3.02
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	27.90	2.61
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	19.98	1.70
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	17.48	0.95
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0015 Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0001)		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0015)		
10 13 16 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series)		
(10 13 16 00-0016)		
10 13 16 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	115.71	6.43
For Fluorescent Lights, Add 15.00		
10 13 16 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	94.01	3.02
For Fluorescent Lights, Add 15.00		
10 13 16 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	78.69	2.61
For Fluorescent Lights, Add 15.00		
10 13 16 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	73.29	1.70
For Fluorescent Lights, Add 15.00		
10 13 16 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	66.62	0.95
For Fluorescent Lights, Add 15.00		
10 13 16 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series)		
(10 13 16 00-0016)		
10 13 16 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	99.01	6.43
For Fluorescent Lights, Add 15.00		
10 13 16 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	81.32	2.61
For Fluorescent Lights, Add 15.00		
10 13 16 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	58.41	1.70
For Fluorescent Lights, Add 15.00		
10 13 16 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	52.92	0.95
For Fluorescent Lights, Add 15.00		
10 13 16 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0015)		



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 16 00-0028)		
10 13 16 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	103.19	6.43
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.07	
10 13 16 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	81.03	3.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.00	
10 13 16 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	68.55	2.61
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.67	
10 13 16 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	50.50	1.70
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.42	
10 13 16 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	47.49	0.95
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.12	
10 13 16 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 16 00-0028)		
10 13 16 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	161.00	6.43
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	29.63	
10 13 16 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	93.95	3.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	17.58	
10 13 16 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	79.12	2.61
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	14.78	
10 13 16 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	61.17	1.70
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.55	
10 13 16 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	56.94	0.95
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.01	
10 13 16 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0001)		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0041)		
10 13 16 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 16 00-0042)		
10 13 16 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	158.08	6.43
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	106.31	3.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	103.50	2.61
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0047 Wall Mounted Bulletin Boards (10 13 16)		
10 13 16 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 16 00-0047)		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 16 00-0048)		
10 13 16 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 16 00-0049)		
10 13 16 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	112.87	6.43
For Fluorescent Lights, Add	15.00	
10 13 16 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	91.89	3.02
For Fluorescent Lights, Add	15.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.57	2.61
For Fluorescent Lights, Add	15.00	
10 13 16 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	71.28	1.70
For Fluorescent Lights, Add	15.00	
10 13 16 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	65.68	0.95
For Fluorescent Lights, Add	15.00	
10 13 16 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) <small>(10 13 16 00-0049)</small>		
10 13 16 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	93.97	6.43
For Fluorescent Lights, Add	15.00	
10 13 16 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.54	2.61
For Fluorescent Lights, Add	15.00	
10 13 16 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.71	1.70
For Fluorescent Lights, Add	15.00	
10 13 16 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	50.09	0.95
For Fluorescent Lights, Add	15.00	
10 13 16 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0048)</small>		
10 13 16 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0061)</small>		
10 13 16 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	105.78	6.43
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.58	
10 13 16 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	83.62	3.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.51	
10 13 16 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	71.13	2.61
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	13.18	
10 13 16 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	53.09	1.70
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.94	
10 13 16 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	50.09	0.95
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.64	
10 13 16 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0061)</small>		
10 13 16 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	163.59	6.43
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	30.15	
10 13 16 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	96.53	3.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.10	
10 13 16 00-0071 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	81.71	2.61
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.30	
10 13 16 00-0072 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	63.76	1.70
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.07	
10 13 16 00-0073 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.53	0.95
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.53	
10 13 16 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0047)</small>		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0074)</small>		
10 13 16 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0075)</small>		
10 13 16 00-0077 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	155.49	6.43
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0078	SF		>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	103.72 15.00 12.00	3.02
10 13 16 00-0079	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	100.94 15.00 12.00	2.61

10 14 Signage (10 10)

10 14 16 Plaques (10 14)

Note: Price includes custom lettering and emblem casting sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque (10 14 16)

10 14 16 00-0002	SF		Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	496.89 -53.90 -96.03	18.90
10 14 16 00-0003	SF		Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	315.46 -33.94 -57.93	18.90

10 14 16 00-0004 Metal Engraved Plaque, Etched (10 14 16)

10 14 16 00-0005	SF		Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	348.12 -37.54 -64.79	18.90
10 14 16 00-0006	SF		Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	323.34 -34.81 -59.58	18.90
10 14 16 00-0007	SF		Brass Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	216.37 -23.04 -37.12	18.90
10 14 16 00-0008	SF		Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	208.49 -22.18 -35.47	18.90

10 14 16 00-0009 Metal Built-Up Plaque (10 14 16)

10 14 16 00-0010	SF		Bronze Built-up Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	364.99 -39.20 -66.25	23.44
10 14 16 00-0011	SF		Copper And Bronze Built-up Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	373.19 -40.11 -67.97	23.44
10 14 16 00-0012	SF		Copper And Aluminum Built-up Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	350.14 -37.57 -63.13	23.44
10 14 16 00-0013	SF		Bronze Built-up Dedication Plaque Including Raised Bronze Lettering, (2'-3" x 3'-8-1/4")..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	429.25 -46.27 -79.75	47.25
10 14 16 00-0014	SF		Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	360.93 -38.76 -65.40	47.25

10 14 16 00-0015 Metal Nameplate Plaques (10 14 16)

10 14 16 00-0016	SF		Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	187.02 -20.07 -33.73	12.86
10 14 16 00-0017	SF		Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	247.48 -26.72 -46.42	12.86
10 14 16 00-0018	EA		1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	132.38 -14.06 -22.25	12.86
10 14 16 00-0019	EA		1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	117.98 -12.47 -19.23	12.86
10 14 16 00-0020	SF		Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	351.17 -37.68 -63.35	47.25

10 14 19 Dimensional Letter Signage (10 14)

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters (10 14 19)

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)

10 14 19 00-0003	EA		2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	34.76 -3.63 1.59 4.76 6.34 7.93	4.72
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0004	EA		3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	41.15	5.10
			<i>For Installation With Adhesive, Deduct</i>	-4.10	
			<i>For Clear Anodized, Add</i>	2.07	
			<i>For Satin Face And Enameled Return, Add</i>	6.22	
			<i>For Patina Finish, Add</i>	8.29	
			<i>For Color Anodized, Add</i>	10.37	
10 14 19 00-0005	EA		4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	45.09	5.49
			<i>For Installation With Adhesive, Deduct</i>	-4.45	
			<i>For Clear Anodized, Add</i>	2.32	
			<i>For Satin Face And Enameled Return, Add</i>	6.95	
			<i>For Patina Finish, Add</i>	9.27	
			<i>For Color Anodized, Add</i>	11.59	
10 14 19 00-0006	EA		5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	51.78	6.27
			<i>For Installation With Adhesive, Deduct</i>	-5.08	
			<i>For Clear Anodized, Add</i>	2.68	
			<i>For Satin Face And Enameled Return, Add</i>	8.05	
			<i>For Patina Finish, Add</i>	10.73	
			<i>For Color Anodized, Add</i>	13.42	
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	56.96	6.61
			<i>For Installation With Adhesive, Deduct</i>	-5.50	
			<i>For Clear Anodized, Add</i>	3.05	
			<i>For Satin Face And Enameled Return, Add</i>	9.15	
			<i>For Patina Finish, Add</i>	12.20	
			<i>For Color Anodized, Add</i>	15.25	
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	68.05	7.56
			<i>For Installation With Adhesive, Deduct</i>	-6.43	
			<i>For Clear Anodized, Add</i>	3.78	
			<i>For Satin Face And Enameled Return, Add</i>	11.34	
			<i>For Patina Finish, Add</i>	15.12	
			<i>For Color Anodized, Add</i>	18.91	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	75.67	7.94
			<i>For Installation With Adhesive, Deduct</i>	-6.96	
			<i>For Clear Anodized, Add</i>	4.39	
			<i>For Satin Face And Enameled Return, Add</i>	13.17	
			<i>For Patina Finish, Add</i>	17.56	
			<i>For Color Anodized, Add</i>	21.96	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	86.47	8.51
			<i>For Installation With Adhesive, Deduct</i>	-7.73	
			<i>For Clear Anodized, Add</i>	5.25	
			<i>For Satin Face And Enameled Return, Add</i>	15.74	
			<i>For Patina Finish, Add</i>	20.98	
			<i>For Color Anodized, Add</i>	26.23	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	105.18	9.82
			<i>For Installation With Adhesive, Deduct</i>	-9.19	
			<i>For Clear Anodized, Add</i>	6.59	
			<i>For Satin Face And Enameled Return, Add</i>	19.76	
			<i>For Patina Finish, Add</i>	26.34	
			<i>For Color Anodized, Add</i>	32.93	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	125.87	11.35
			<i>For Installation With Adhesive, Deduct</i>	-10.83	
			<i>For Clear Anodized, Add</i>	8.05	
			<i>For Satin Face And Enameled Return, Add</i>	24.15	
			<i>For Patina Finish, Add</i>	32.20	
			<i>For Color Anodized, Add</i>	40.25	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	138.25	12.60
			<i>For Installation With Adhesive, Deduct</i>	-11.96	
			<i>For Clear Anodized, Add</i>	8.78	
			<i>For Satin Face And Enameled Return, Add</i>	26.35	
			<i>For Patina Finish, Add</i>	35.13	
			<i>For Color Anodized, Add</i>	43.91	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	154.45	13.61
			<i>For Installation With Adhesive, Deduct</i>	-13.17	
			<i>For Clear Anodized, Add</i>	10.00	
			<i>For Satin Face And Enameled Return, Add</i>	30.00	
			<i>For Patina Finish, Add</i>	40.00	
			<i>For Color Anodized, Add</i>	50.01	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	187.34	15.12
			<i>For Installation With Adhesive, Deduct</i>	-15.42	
			<i>For Clear Anodized, Add</i>	12.69	
			<i>For Satin Face And Enameled Return, Add</i>	38.06	
			<i>For Patina Finish, Add</i>	50.74	
			<i>For Color Anodized, Add</i>	63.43	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	226.61	17.01
			<i>For Installation With Adhesive, Deduct</i>	-18.14	
			<i>For Clear Anodized, Add</i>	15.86	
			<i>For Satin Face And Enameled Return, Add</i>	47.57	
			<i>For Patina Finish, Add</i>	63.42	
			<i>For Color Anodized, Add</i>	79.28	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	273.20	18.90
			<i>For Installation With Adhesive, Deduct</i>	-21.22	
			<i>For Clear Anodized, Add</i>	19.76	
			<i>For Satin Face And Enameled Return, Add</i>	59.28	
			<i>For Patina Finish, Add</i>	79.04	
			<i>For Color Anodized, Add</i>	98.80	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0018 Satin Finish, Cast Bronze Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019 EA 2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	44.61	5.20
For Installation With Adhesive, Deduct	-4.31	
For Oxidized Finish, Add	3.57	
For Polished Or Patina Finish, Add	7.14	
10 14 19 00-0020 EA 3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	64.64	5.67
For Installation With Adhesive, Deduct	-5.50	
For Oxidized Finish, Add	6.29	
For Polished Or Patina Finish, Add	12.59	
10 14 19 00-0021 EA 4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	70.68	6.05
For Installation With Adhesive, Deduct	-5.95	
For Oxidized Finish, Add	6.97	
For Polished Or Patina Finish, Add	13.95	
10 14 19 00-0022 EA 5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	86.19	6.80
For Installation With Adhesive, Deduct	-7.03	
For Oxidized Finish, Add	8.85	
For Polished Or Patina Finish, Add	17.69	
10 14 19 00-0023 EA 6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	96.02	7.26
For Installation With Adhesive, Deduct	-7.71	
For Oxidized Finish, Add	10.04	
For Polished Or Patina Finish, Add	20.07	
10 14 19 00-0024 EA 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	128.53	8.32
For Installation With Adhesive, Deduct	-9.75	
For Oxidized Finish, Add	14.29	
For Polished Or Patina Finish, Add	28.58	
10 14 19 00-0025 EA 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	147.05	8.70
For Installation With Adhesive, Deduct	-10.83	
For Oxidized Finish, Add	16.84	
For Polished Or Patina Finish, Add	33.68	
10 14 19 00-0026 EA 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	164.81	9.45
For Installation With Adhesive, Deduct	-12.02	
For Oxidized Finish, Add	19.05	
For Polished Or Patina Finish, Add	38.10	
10 14 19 00-0027 EA 12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	195.81	10.96
For Installation With Adhesive, Deduct	-14.18	
For Oxidized Finish, Add	22.79	
For Polished Or Patina Finish, Add	45.59	
10 14 19 00-0028 EA 14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	230.21	12.47
For Installation With Adhesive, Deduct	-16.50	
For Oxidized Finish, Add	27.05	
For Polished Or Patina Finish, Add	54.09	
10 14 19 00-0029 EA 15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	272.55	15.12
For Installation With Adhesive, Deduct	-19.68	
For Oxidized Finish, Add	31.81	
For Polished Or Patina Finish, Add	63.62	
10 14 19 00-0030 EA 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	282.75	16.26
For Installation With Adhesive, Deduct	-20.64	
For Oxidized Finish, Add	32.66	
For Polished Or Patina Finish, Add	65.32	
10 14 19 00-0031 EA 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	403.34	18.90
For Installation With Adhesive, Deduct	-27.73	
For Oxidized Finish, Add	49.16	
For Polished Or Patina Finish, Add	98.32	
10 14 19 00-0032 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	486.50	21.27
For Installation With Adhesive, Deduct	-32.83	
For Oxidized Finish, Add	60.22	
For Polished Or Patina Finish, Add	120.43	
10 14 19 00-0033 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	619.93	24.57
For Installation With Adhesive, Deduct	-40.83	
For Oxidized Finish, Add	78.25	
For Polished Or Patina Finish, Add	156.49	
10 14 19 00-0034 Molded Characters <small>(10 14 19)</small>		
10 14 19 00-0035 Molded Plastic Characters <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036 EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	24.75	3.78
For Installation With Adhesive, Deduct	-2.75	
10 14 19 00-0037 EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	26.84	4.16
For Installation With Adhesive, Deduct	-3.01	
10 14 19 00-0038 EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	29.62	4.54
For Installation With Adhesive, Deduct	-3.30	
10 14 19 00-0039 EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	37.28	4.91
For Installation With Adhesive, Deduct	-3.83	
10 14 19 00-0040 EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	40.27	5.30
For Installation With Adhesive, Deduct	-4.13	
10 14 19 00-0041 EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	43.57	5.67
For Installation With Adhesive, Deduct	-4.45	
10 14 19 00-0042 EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	50.79	6.61
For Installation With Adhesive, Deduct	-5.19	
10 14 19 00-0043 EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	66.63	8.32
For Installation With Adhesive, Deduct	-6.66	
10 14 19 00-0044 EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	84.29	9.82
For Installation With Adhesive, Deduct	-8.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	123.02	12.10
			<i>For Installation With Adhesive, Deduct</i>	-10.99	
10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	179.93	14.17
			<i>For Installation With Adhesive, Deduct</i>	-14.67	
10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	234.50	16.26
			<i>For Installation With Adhesive, Deduct</i>	-18.23	
10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	432.35	21.73
			<i>For Installation With Adhesive, Deduct</i>	-30.31	
10 14 19 00-0049			Cutout Characters <small>(10 14 19)</small>		
10 14 19 00-0050			Satin Finish, Aluminum Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0051			1/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	32.32	4.72
			<i>For Installation With Adhesive, Deduct</i>	-3.51	
			<i>For Clear Anodized, Add</i>	1.34	
			<i>For Satin Face And Enameled Return, Add</i>	4.70	
			<i>For Color Anodized, Add</i>	6.71	
			<i>For Polished Or Patina Finish, Add</i>	6.71	
			<i>For Polished Anodized Finish, Add</i>	10.07	
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	45.09	5.49
			<i>For Installation With Adhesive, Deduct</i>	-4.45	
			<i>For Clear Anodized, Add</i>	2.32	
			<i>For Satin Face And Enameled Return, Add</i>	8.11	
			<i>For Color Anodized, Add</i>	11.59	
			<i>For Polished Or Patina Finish, Add</i>	11.59	
			<i>For Polished Anodized Finish, Add</i>	17.38	
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	60.62	6.61
			<i>For Installation With Adhesive, Deduct</i>	-5.68	
			<i>For Clear Anodized, Add</i>	3.42	
			<i>For Satin Face And Enameled Return, Add</i>	11.95	
			<i>For Color Anodized, Add</i>	17.08	
			<i>For Polished Or Patina Finish, Add</i>	17.08	
			<i>For Polished Anodized Finish, Add</i>	25.61	
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	74.15	7.56
			<i>For Installation With Adhesive, Deduct</i>	-6.73	
			<i>For Clear Anodized, Add</i>	4.39	
			<i>For Satin Face And Enameled Return, Add</i>	15.37	
			<i>For Color Anodized, Add</i>	21.96	
			<i>For Polished Or Patina Finish, Add</i>	21.96	
			<i>For Polished Anodized Finish, Add</i>	32.93	
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	85.25	8.51
			<i>For Installation With Adhesive, Deduct</i>	-7.66	
			<i>For Clear Anodized, Add</i>	5.12	
			<i>For Satin Face And Enameled Return, Add</i>	17.93	
			<i>For Color Anodized, Add</i>	25.62	
			<i>For Polished Or Patina Finish, Add</i>	25.62	
			<i>For Polished Anodized Finish, Add</i>	38.42	
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	97.86	9.82
			<i>For Installation With Adhesive, Deduct</i>	-8.83	
			<i>For Clear Anodized, Add</i>	5.85	
			<i>For Satin Face And Enameled Return, Add</i>	20.49	
			<i>For Color Anodized, Add</i>	29.27	
			<i>For Polished Or Patina Finish, Add</i>	29.27	
			<i>For Polished Anodized Finish, Add</i>	43.91	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	114.89	11.35
			<i>For Installation With Adhesive, Deduct</i>	-10.28	
			<i>For Clear Anodized, Add</i>	6.95	
			<i>For Satin Face And Enameled Return, Add</i>	24.33	
			<i>For Color Anodized, Add</i>	34.76	
			<i>For Polished Or Patina Finish, Add</i>	34.76	
			<i>For Polished Anodized Finish, Add</i>	52.14	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	136.16	13.61
			<i>For Installation With Adhesive, Deduct</i>	-12.25	
			<i>For Clear Anodized, Add</i>	8.17	
			<i>For Satin Face And Enameled Return, Add</i>	28.60	
			<i>For Color Anodized, Add</i>	40.86	
			<i>For Polished Or Patina Finish, Add</i>	40.86	
			<i>For Polished Anodized Finish, Add</i>	61.29	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	153.19	15.12
			<i>For Installation With Adhesive, Deduct</i>	-13.71	
			<i>For Clear Anodized, Add</i>	9.27	
			<i>For Satin Face And Enameled Return, Add</i>	32.45	
			<i>For Color Anodized, Add</i>	46.35	
			<i>For Polished Or Patina Finish, Add</i>	46.35	
			<i>For Polished Anodized Finish, Add</i>	69.53	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	183.92	17.01
			<i>For Installation With Adhesive, Deduct</i>	-16.00	
			<i>For Clear Anodized, Add</i>	11.59	
			<i>For Satin Face And Enameled Return, Add</i>	40.55	
			<i>For Color Anodized, Add</i>	57.94	
			<i>For Polished Or Patina Finish, Add</i>	57.94	
			<i>For Polished Anodized Finish, Add</i>	86.90	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	210.87	17.96
			<i>For Installation With Adhesive, Deduct</i>	-17.73	
			<i>For Clear Anodized, Add</i>	13.90	
			<i>For Satin Face And Enameled Return, Add</i>	48.66	
			<i>For Color Anodized, Add</i>	69.52	
			<i>For Polished Or Patina Finish, Add</i>	69.52	
			<i>For Polished Anodized Finish, Add</i>	104.28	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	261.00	18.90
			<i>For Installation With Adhesive, Deduct</i>	-20.61	
			<i>For Clear Anodized, Add</i>	18.54	
			<i>For Satin Face And Enameled Return, Add</i>	64.89	
			<i>For Color Anodized, Add</i>	92.70	
			<i>For Polished Or Patina Finish, Add</i>	92.70	
			<i>For Polished Anodized Finish, Add</i>	139.04	
10 14 19 00-0064	EA		30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	373.29	22.68
			<i>For Installation With Adhesive, Deduct</i>	-27.74	
			<i>For Clear Anodized, Add</i>	28.26	
			<i>For Satin Face And Enameled Return, Add</i>	98.90	
			<i>For Color Anodized, Add</i>	141.28	
			<i>For Polished Or Patina Finish, Add</i>	141.28	
			<i>For Polished Anodized Finish, Add</i>	211.92	
10 14 19 00-0065			3/8" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0065)</small>		
10 14 19 00-0066	EA		2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	40.90	4.72
			<i>For Installation With Adhesive, Deduct</i>	-3.94	
			<i>For Clear Anodized, Add</i>	2.20	
			<i>For Satin Face And Enameled Return, Add</i>	7.70	
			<i>For Color Anodized, Add</i>	11.00	
			<i>For Polished Or Patina Finish, Add</i>	11.00	
			<i>For Polished Anodized Finish, Add</i>	16.50	
10 14 19 00-0067	EA		4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	58.53	5.49
			<i>For Installation With Adhesive, Deduct</i>	-5.12	
			<i>For Clear Anodized, Add</i>	3.66	
			<i>For Satin Face And Enameled Return, Add</i>	12.81	
			<i>For Color Anodized, Add</i>	18.31	
			<i>For Polished Or Patina Finish, Add</i>	18.31	
			<i>For Polished Anodized Finish, Add</i>	27.46	
10 14 19 00-0068	EA		6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	73.94	6.61
			<i>For Installation With Adhesive, Deduct</i>	-6.34	
			<i>For Clear Anodized, Add</i>	4.75	
			<i>For Satin Face And Enameled Return, Add</i>	16.61	
			<i>For Color Anodized, Add</i>	23.74	
			<i>For Polished Or Patina Finish, Add</i>	23.74	
			<i>For Polished Anodized Finish, Add</i>	35.60	
10 14 19 00-0069	EA		8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	92.59	7.56
			<i>For Installation With Adhesive, Deduct</i>	-7.65	
			<i>For Clear Anodized, Add</i>	6.24	
			<i>For Satin Face And Enameled Return, Add</i>	21.82	
			<i>For Color Anodized, Add</i>	31.18	
			<i>For Polished Or Patina Finish, Add</i>	31.18	
			<i>For Polished Anodized Finish, Add</i>	46.76	
10 14 19 00-0070	EA		10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	107.27	8.51
			<i>For Installation With Adhesive, Deduct</i>	-8.77	
			<i>For Clear Anodized, Add</i>	7.33	
			<i>For Satin Face And Enameled Return, Add</i>	25.64	
			<i>For Color Anodized, Add</i>	36.63	
			<i>For Polished Or Patina Finish, Add</i>	36.63	
			<i>For Polished Anodized Finish, Add</i>	54.94	
10 14 19 00-0071	EA		12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	125.97	9.82
			<i>For Installation With Adhesive, Deduct</i>	-10.23	
			<i>For Clear Anodized, Add</i>	8.67	
			<i>For Satin Face And Enameled Return, Add</i>	30.33	
			<i>For Color Anodized, Add</i>	43.33	
			<i>For Polished Or Patina Finish, Add</i>	43.33	
			<i>For Polished Anodized Finish, Add</i>	64.99	
10 14 19 00-0072	EA		14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	147.57	11.35
			<i>For Installation With Adhesive, Deduct</i>	-11.92	
			<i>For Clear Anodized, Add</i>	10.22	
			<i>For Satin Face And Enameled Return, Add</i>	35.77	
			<i>For Color Anodized, Add</i>	51.10	
			<i>For Polished Or Patina Finish, Add</i>	51.10	
			<i>For Polished Anodized Finish, Add</i>	76.65	
10 14 19 00-0073	EA		16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	182.74	13.61
			<i>For Installation With Adhesive, Deduct</i>	-14.58	
			<i>For Clear Anodized, Add</i>	12.83	
			<i>For Satin Face And Enameled Return, Add</i>	44.91	
			<i>For Color Anodized, Add</i>	64.15	
			<i>For Polished Or Patina Finish, Add</i>	64.15	
			<i>For Polished Anodized Finish, Add</i>	96.23	
10 14 19 00-0074	EA		18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	211.58	15.12
			<i>For Installation With Adhesive, Deduct</i>	-16.63	
			<i>For Clear Anodized, Add</i>	15.11	
			<i>For Satin Face And Enameled Return, Add</i>	52.88	
			<i>For Color Anodized, Add</i>	75.55	
			<i>For Polished Or Patina Finish, Add</i>	75.55	
			<i>For Polished Anodized Finish, Add</i>	113.32	

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	245.33	17.01
		<i>For Installation With Adhesive, Deduct</i>	-19.07	
		<i>For Clear Anodized, Add</i>	17.73	
		<i>For Satin Face And Enameled Return, Add</i>	62.05	
		<i>For Color Anodized, Add</i>	88.64	
		<i>For Polished Or Patina Finish, Add</i>	88.64	
		<i>For Polished Anodized Finish, Add</i>	132.96	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	274.83	17.96
		<i>For Installation With Adhesive, Deduct</i>	-20.92	
		<i>For Clear Anodized, Add</i>	20.30	
		<i>For Satin Face And Enameled Return, Add</i>	71.05	
		<i>For Color Anodized, Add</i>	101.50	
		<i>For Polished Or Patina Finish, Add</i>	101.50	
		<i>For Polished Anodized Finish, Add</i>	152.25	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	305.50	18.90
		<i>For Installation With Adhesive, Deduct</i>	-22.84	
		<i>For Clear Anodized, Add</i>	22.99	
		<i>For Satin Face And Enameled Return, Add</i>	80.46	
		<i>For Color Anodized, Add</i>	114.95	
		<i>For Polished Or Patina Finish, Add</i>	114.95	
		<i>For Polished Anodized Finish, Add</i>	172.42	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	420.04	22.68
		<i>For Installation With Adhesive, Deduct</i>	-30.08	
		<i>For Clear Anodized, Add</i>	32.93	
		<i>For Satin Face And Enameled Return, Add</i>	115.26	
		<i>For Color Anodized, Add</i>	164.66	
		<i>For Polished Or Patina Finish, Add</i>	164.66	
		<i>For Polished Anodized Finish, Add</i>	246.98	
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	50.83	4.72
		<i>For Installation With Adhesive, Deduct</i>	-4.43	
		<i>For Clear Anodized, Add</i>	3.19	
		<i>For Satin Face And Enameled Return, Add</i>	11.18	
		<i>For Color Anodized, Add</i>	15.97	
		<i>For Polished Or Patina Finish, Add</i>	15.97	
		<i>For Polished Anodized Finish, Add</i>	23.95	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	65.72	5.49
		<i>For Installation With Adhesive, Deduct</i>	-5.48	
		<i>For Clear Anodized, Add</i>	4.38	
		<i>For Satin Face And Enameled Return, Add</i>	15.33	
		<i>For Color Anodized, Add</i>	21.90	
		<i>For Polished Or Patina Finish, Add</i>	21.90	
		<i>For Polished Anodized Finish, Add</i>	32.85	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	82.48	6.61
		<i>For Installation With Adhesive, Deduct</i>	-6.77	
		<i>For Clear Anodized, Add</i>	5.60	
		<i>For Satin Face And Enameled Return, Add</i>	19.60	
		<i>For Color Anodized, Add</i>	28.01	
		<i>For Polished Or Patina Finish, Add</i>	28.01	
		<i>For Polished Anodized Finish, Add</i>	42.01	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	97.42	7.56
		<i>For Installation With Adhesive, Deduct</i>	-7.90	
		<i>For Clear Anodized, Add</i>	6.72	
		<i>For Satin Face And Enameled Return, Add</i>	23.51	
		<i>For Color Anodized, Add</i>	33.59	
		<i>For Polished Or Patina Finish, Add</i>	33.59	
		<i>For Polished Anodized Finish, Add</i>	50.39	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	113.42	8.51
		<i>For Installation With Adhesive, Deduct</i>	-9.07	
		<i>For Clear Anodized, Add</i>	7.94	
		<i>For Satin Face And Enameled Return, Add</i>	27.79	
		<i>For Color Anodized, Add</i>	39.70	
		<i>For Polished Or Patina Finish, Add</i>	39.70	
		<i>For Polished Anodized Finish, Add</i>	59.55	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	139.43	9.82
		<i>For Installation With Adhesive, Deduct</i>	-10.90	
		<i>For Clear Anodized, Add</i>	10.01	
		<i>For Satin Face And Enameled Return, Add</i>	35.04	
		<i>For Color Anodized, Add</i>	50.06	
		<i>For Polished Or Patina Finish, Add</i>	50.06	
		<i>For Polished Anodized Finish, Add</i>	75.08	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	171.90	11.35
		<i>For Installation With Adhesive, Deduct</i>	-13.13	
		<i>For Clear Anodized, Add</i>	12.65	
		<i>For Satin Face And Enameled Return, Add</i>	44.29	
		<i>For Color Anodized, Add</i>	63.27	
		<i>For Polished Or Patina Finish, Add</i>	63.27	
		<i>For Polished Anodized Finish, Add</i>	94.90	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	208.07	13.61
		<i>For Installation With Adhesive, Deduct</i>	-15.85	
		<i>For Clear Anodized, Add</i>	15.36	
		<i>For Satin Face And Enameled Return, Add</i>	53.77	
		<i>For Color Anodized, Add</i>	76.82	
		<i>For Polished Or Patina Finish, Add</i>	76.82	
		<i>For Polished Anodized Finish, Add</i>	115.22	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	252.37	15.12
			<i>For Installation With Adhesive, Deduct</i>	-18.67	
			<i>For Clear Anodized, Add</i>	19.19	
			<i>For Satin Face And Enameled Return, Add</i>	67.16	
			<i>For Color Anodized, Add</i>	95.94	
			<i>For Polished Or Patina Finish, Add</i>	95.94	
			<i>For Polished Anodized Finish, Add</i>	143.91	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	297.47	17.01
			<i>For Installation With Adhesive, Deduct</i>	-21.68	
			<i>For Clear Anodized, Add</i>	22.94	
			<i>For Satin Face And Enameled Return, Add</i>	80.30	
			<i>For Color Anodized, Add</i>	114.71	
			<i>For Polished Or Patina Finish, Add</i>	114.71	
			<i>For Polished Anodized Finish, Add</i>	172.07	
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	341.57	17.96
			<i>For Installation With Adhesive, Deduct</i>	-24.26	
			<i>For Clear Anodized, Add</i>	26.97	
			<i>For Satin Face And Enameled Return, Add</i>	94.41	
			<i>For Color Anodized, Add</i>	134.87	
			<i>For Polished Or Patina Finish, Add</i>	134.87	
			<i>For Polished Anodized Finish, Add</i>	202.31	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	383.36	18.90
			<i>For Installation With Adhesive, Deduct</i>	-26.73	
			<i>For Clear Anodized, Add</i>	30.78	
			<i>For Satin Face And Enameled Return, Add</i>	107.71	
			<i>For Color Anodized, Add</i>	153.88	
			<i>For Polished Or Patina Finish, Add</i>	153.88	
			<i>For Polished Anodized Finish, Add</i>	230.81	
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	532.01	22.68
			<i>For Installation With Adhesive, Deduct</i>	-35.67	
			<i>For Clear Anodized, Add</i>	44.13	
			<i>For Satin Face And Enameled Return, Add</i>	154.45	
			<i>For Color Anodized, Add</i>	220.64	
			<i>For Polished Or Patina Finish, Add</i>	220.64	
			<i>For Polished Anodized Finish, Add</i>	330.96	
10 14 19 00-0093			3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	53.11	4.72
			<i>For Installation With Adhesive, Deduct</i>	-4.55	
			<i>For Clear Anodized, Add</i>	3.42	
			<i>For Satin Face And Enameled Return, Add</i>	11.97	
			<i>For Color Anodized, Add</i>	17.11	
			<i>For Polished Or Patina Finish, Add</i>	17.11	
			<i>For Polished Anodized Finish, Add</i>	25.66	
10 14 19 00-0095	EA		4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	68.27	5.49
			<i>For Installation With Adhesive, Deduct</i>	-5.61	
			<i>For Clear Anodized, Add</i>	4.64	
			<i>For Satin Face And Enameled Return, Add</i>	16.22	
			<i>For Color Anodized, Add</i>	23.18	
			<i>For Polished Or Patina Finish, Add</i>	23.18	
			<i>For Polished Anodized Finish, Add</i>	34.76	
10 14 19 00-0096	EA		6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	89.99	6.61
			<i>For Installation With Adhesive, Deduct</i>	-7.15	
			<i>For Clear Anodized, Add</i>	6.35	
			<i>For Satin Face And Enameled Return, Add</i>	22.23	
			<i>For Color Anodized, Add</i>	31.76	
			<i>For Polished Or Patina Finish, Add</i>	31.76	
			<i>For Polished Anodized Finish, Add</i>	47.64	
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	119.37	7.56
			<i>For Installation With Adhesive, Deduct</i>	-8.99	
			<i>For Clear Anodized, Add</i>	8.91	
			<i>For Satin Face And Enameled Return, Add</i>	31.20	
			<i>For Color Anodized, Add</i>	44.57	
			<i>For Polished Or Patina Finish, Add</i>	44.57	
			<i>For Polished Anodized Finish, Add</i>	66.85	
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	149.79	8.51
			<i>For Installation With Adhesive, Deduct</i>	-10.89	
			<i>For Clear Anodized, Add</i>	11.58	
			<i>For Satin Face And Enameled Return, Add</i>	40.52	
			<i>For Color Anodized, Add</i>	57.89	
			<i>For Polished Or Patina Finish, Add</i>	57.89	
			<i>For Polished Anodized Finish, Add</i>	86.83	
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	188.02	9.82
			<i>For Installation With Adhesive, Deduct</i>	-13.33	
			<i>For Clear Anodized, Add</i>	14.87	
			<i>For Satin Face And Enameled Return, Add</i>	52.05	
			<i>For Color Anodized, Add</i>	74.35	
			<i>For Polished Or Patina Finish, Add</i>	74.35	
			<i>For Polished Anodized Finish, Add</i>	111.53	
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	234.47	11.35
			<i>For Installation With Adhesive, Deduct</i>	-16.26	
			<i>For Clear Anodized, Add</i>	18.91	
			<i>For Satin Face And Enameled Return, Add</i>	66.19	
			<i>For Color Anodized, Add</i>	94.55	
			<i>For Polished Or Patina Finish, Add</i>	94.55	
			<i>For Polished Anodized Finish, Add</i>	141.83	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	289.79	13.61
		<i>For Installation With Adhesive, Deduct</i>	-19.93	
		<i>For Clear Anodized, Add</i>	23.54	
		<i>For Satin Face And Enameled Return, Add</i>	82.37	
		<i>For Color Anodized, Add</i>	117.68	
		<i>For Polished Or Patina Finish, Add</i>	117.68	
		<i>For Polished Anodized Finish, Add</i>	176.51	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	354.34	15.12
		<i>For Installation With Adhesive, Deduct</i>	-23.77	
		<i>For Clear Anodized, Add</i>	29.39	
		<i>For Satin Face And Enameled Return, Add</i>	102.85	
		<i>For Color Anodized, Add</i>	146.93	
		<i>For Polished Or Patina Finish, Add</i>	146.93	
		<i>For Polished Anodized Finish, Add</i>	220.39	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	421.45	17.01
		<i>For Installation With Adhesive, Deduct</i>	-27.88	
		<i>For Clear Anodized, Add</i>	35.34	
		<i>For Satin Face And Enameled Return, Add</i>	123.69	
		<i>For Color Anodized, Add</i>	176.70	
		<i>For Polished Or Patina Finish, Add</i>	176.70	
		<i>For Polished Anodized Finish, Add</i>	265.05	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	488.96	17.96
		<i>For Installation With Adhesive, Deduct</i>	-31.63	
		<i>For Clear Anodized, Add</i>	41.71	
		<i>For Satin Face And Enameled Return, Add</i>	146.00	
		<i>For Color Anodized, Add</i>	208.57	
		<i>For Polished Or Patina Finish, Add</i>	208.57	
		<i>For Polished Anodized Finish, Add</i>	312.85	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	559.48	18.90
		<i>For Installation With Adhesive, Deduct</i>	-35.54	
		<i>For Clear Anodized, Add</i>	48.39	
		<i>For Satin Face And Enameled Return, Add</i>	169.35	
		<i>For Color Anodized, Add</i>	241.94	
		<i>For Polished Or Patina Finish, Add</i>	241.94	
		<i>For Polished Anodized Finish, Add</i>	362.90	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	769.12	22.68
		<i>For Installation With Adhesive, Deduct</i>	-47.53	
		<i>For Clear Anodized, Add</i>	67.84	
		<i>For Satin Face And Enameled Return, Add</i>	237.44	
		<i>For Color Anodized, Add</i>	339.20	
		<i>For Polished Or Patina Finish, Add</i>	339.20	
		<i>For Polished Anodized Finish, Add</i>	508.79	
10 14 19 00-0107		1" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	59.15	4.72
		<i>For Installation With Adhesive, Deduct</i>	-4.85	
		<i>For Clear Anodized, Add</i>	4.03	
		<i>For Satin Face And Enameled Return, Add</i>	14.09	
		<i>For Color Anodized, Add</i>	20.13	
		<i>For Polished Or Patina Finish, Add</i>	20.13	
		<i>For Polished Anodized Finish, Add</i>	30.19	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	73.13	5.49
		<i>For Installation With Adhesive, Deduct</i>	-5.85	
		<i>For Clear Anodized, Add</i>	5.12	
		<i>For Satin Face And Enameled Return, Add</i>	17.92	
		<i>For Color Anodized, Add</i>	25.61	
		<i>For Polished Or Patina Finish, Add</i>	25.61	
		<i>For Polished Anodized Finish, Add</i>	38.41	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	96.14	6.61
		<i>For Installation With Adhesive, Deduct</i>	-7.45	
		<i>For Clear Anodized, Add</i>	6.97	
		<i>For Satin Face And Enameled Return, Add</i>	24.38	
		<i>For Color Anodized, Add</i>	34.84	
		<i>For Polished Or Patina Finish, Add</i>	34.84	
		<i>For Polished Anodized Finish, Add</i>	52.25	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	131.67	7.56
		<i>For Installation With Adhesive, Deduct</i>	-9.61	
		<i>For Clear Anodized, Add</i>	10.14	
		<i>For Satin Face And Enameled Return, Add</i>	35.50	
		<i>For Color Anodized, Add</i>	50.72	
		<i>For Polished Or Patina Finish, Add</i>	50.72	
		<i>For Polished Anodized Finish, Add</i>	76.07	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	178.99	8.51
		<i>For Installation With Adhesive, Deduct</i>	-12.35	
		<i>For Clear Anodized, Add</i>	14.50	
		<i>For Satin Face And Enameled Return, Add</i>	50.74	
		<i>For Color Anodized, Add</i>	72.49	
		<i>For Polished Or Patina Finish, Add</i>	72.49	
		<i>For Polished Anodized Finish, Add</i>	108.73	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	234.27	9.82
		<i>For Installation With Adhesive, Deduct</i>	-15.65	
		<i>For Clear Anodized, Add</i>	19.50	
		<i>For Satin Face And Enameled Return, Add</i>	68.23	
		<i>For Color Anodized, Add</i>	97.48	
		<i>For Polished Or Patina Finish, Add</i>	97.48	
		<i>For Polished Anodized Finish, Add</i>	146.21	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 296.34		11.35
			<i>For Installation With Adhesive, Deduct</i>	-19.35	
			<i>For Clear Anodized, Add</i>	25.10	
			<i>For Satin Face And Enameled Return, Add</i>	87.84	
			<i>For Color Anodized, Add</i>	125.49	
			<i>For Polished Or Patina Finish, Add</i>	125.49	
			<i>For Polished Anodized Finish, Add</i>	188.23	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 368.24		13.61
			<i>For Installation With Adhesive, Deduct</i>	-23.86	
			<i>For Clear Anodized, Add</i>	31.38	
			<i>For Satin Face And Enameled Return, Add</i>	109.83	
			<i>For Color Anodized, Add</i>	156.90	
			<i>For Polished Or Patina Finish, Add</i>	156.90	
			<i>For Polished Anodized Finish, Add</i>	235.35	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 446.10		15.12
			<i>For Installation With Adhesive, Deduct</i>	-28.35	
			<i>For Clear Anodized, Add</i>	38.56	
			<i>For Satin Face And Enameled Return, Add</i>	134.96	
			<i>For Color Anodized, Add</i>	192.81	
			<i>For Polished Or Patina Finish, Add</i>	192.81	
			<i>For Polished Anodized Finish, Add</i>	289.21	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 548.91		17.01
			<i>For Installation With Adhesive, Deduct</i>	-34.25	
			<i>For Clear Anodized, Add</i>	48.09	
			<i>For Satin Face And Enameled Return, Add</i>	168.30	
			<i>For Color Anodized, Add</i>	240.43	
			<i>For Polished Or Patina Finish, Add</i>	240.43	
			<i>For Polished Anodized Finish, Add</i>	360.65	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 654.42		17.96
			<i>For Installation With Adhesive, Deduct</i>	-39.90	
			<i>For Clear Anodized, Add</i>	58.26	
			<i>For Satin Face And Enameled Return, Add</i>	203.91	
			<i>For Color Anodized, Add</i>	291.30	
			<i>For Polished Or Patina Finish, Add</i>	291.30	
			<i>For Polished Anodized Finish, Add</i>	436.94	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 772.68		18.90
			<i>For Installation With Adhesive, Deduct</i>	-46.20	
			<i>For Clear Anodized, Add</i>	69.71	
			<i>For Satin Face And Enameled Return, Add</i>	243.97	
			<i>For Color Anodized, Add</i>	348.54	
			<i>For Polished Or Patina Finish, Add</i>	348.54	
			<i>For Polished Anodized Finish, Add</i>	522.80	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 1,091.84		22.68
			<i>For Installation With Adhesive, Deduct</i>	-63.67	
			<i>For Clear Anodized, Add</i>	100.11	
			<i>For Satin Face And Enameled Return, Add</i>	350.39	
			<i>For Color Anodized, Add</i>	500.56	
			<i>For Polished Or Patina Finish, Add</i>	500.56	
			<i>For Polished Anodized Finish, Add</i>	750.83	
10 14 19 00-0121			Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 49.77		4.72
			<i>For Installation With Adhesive, Deduct</i>	-4.38	
			<i>For Oxidized Finish, Add</i>	4.63	
			<i>For Polished Finish, Add</i>	9.26	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 64.88		5.49
			<i>For Installation With Adhesive, Deduct</i>	-5.44	
			<i>For Oxidized Finish, Add</i>	6.44	
			<i>For Polished Finish, Add</i>	12.89	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 90.41		6.61
			<i>For Installation With Adhesive, Deduct</i>	-7.17	
			<i>For Oxidized Finish, Add</i>	9.59	
			<i>For Polished Finish, Add</i>	19.18	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 119.54		7.56
			<i>For Installation With Adhesive, Deduct</i>	-9.00	
			<i>For Oxidized Finish, Add</i>	13.40	
			<i>For Polished Finish, Add</i>	26.79	
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 154.19		8.51
			<i>For Installation With Adhesive, Deduct</i>	-11.11	
			<i>For Oxidized Finish, Add</i>	18.03	
			<i>For Polished Finish, Add</i>	36.05	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 195.88		9.82
			<i>For Installation With Adhesive, Deduct</i>	-13.73	
			<i>For Oxidized Finish, Add</i>	23.48	
			<i>For Polished Finish, Add</i>	46.97	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 246.03		11.35
			<i>For Installation With Adhesive, Deduct</i>	-16.84	
			<i>For Oxidized Finish, Add</i>	30.10	
			<i>For Polished Finish, Add</i>	60.20	
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 300.30		13.61
			<i>For Installation With Adhesive, Deduct</i>	-20.46	
			<i>For Oxidized Finish, Add</i>	36.88	
			<i>For Polished Finish, Add</i>	73.76	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0131 EA 18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	366.04	15.12
For Installation With Adhesive, Deduct	-24.35	
For Oxidized Finish, Add	45.83	
For Polished Finish, Add	91.67	
10 14 19 00-0132 EA 20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	436.29	17.01
For Installation With Adhesive, Deduct	-28.62	
For Oxidized Finish, Add	55.24	
For Polished Finish, Add	110.47	
10 14 19 00-0133 EA 22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	539.29	17.96
For Installation With Adhesive, Deduct	-34.15	
For Oxidized Finish, Add	70.12	
For Polished Finish, Add	140.24	
10 14 19 00-0134 EA 24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	592.21	18.90
For Installation With Adhesive, Deduct	-37.17	
For Oxidized Finish, Add	77.49	
For Polished Finish, Add	154.98	
10 14 19 00-0135 EA 30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	896.24	22.68
For Installation With Adhesive, Deduct	-53.89	
For Oxidized Finish, Add	120.83	
For Polished Finish, Add	241.65	
10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0137 EA 2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	60.57	4.72
For Installation With Adhesive, Deduct	-4.92	
For Oxidized Finish, Add	6.25	
For Polished Finish, Add	12.50	
10 14 19 00-0138 EA 4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	79.91	5.49
For Installation With Adhesive, Deduct	-6.19	
For Oxidized Finish, Add	8.70	
For Polished Finish, Add	17.40	
10 14 19 00-0139 EA 6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	115.99	6.61
For Installation With Adhesive, Deduct	-8.45	
For Oxidized Finish, Add	13.43	
For Polished Finish, Add	26.86	
10 14 19 00-0140 EA 8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	155.26	7.56
For Installation With Adhesive, Deduct	-10.79	
For Oxidized Finish, Add	18.75	
For Polished Finish, Add	37.51	
10 14 19 00-0141 EA 10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	208.27	8.51
For Installation With Adhesive, Deduct	-13.82	
For Oxidized Finish, Add	26.14	
For Polished Finish, Add	52.28	
10 14 19 00-0142 EA 12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	266.32	9.82
For Installation With Adhesive, Deduct	-17.25	
For Oxidized Finish, Add	34.05	
For Polished Finish, Add	68.10	
10 14 19 00-0143 EA 14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	336.32	11.35
For Installation With Adhesive, Deduct	-21.35	
For Oxidized Finish, Add	43.64	
For Polished Finish, Add	87.29	
10 14 19 00-0144 EA 16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	398.64	13.61
For Installation With Adhesive, Deduct	-25.38	
For Oxidized Finish, Add	51.63	
For Polished Finish, Add	103.26	
10 14 19 00-0145 EA 18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	503.54	15.12
For Installation With Adhesive, Deduct	-31.23	
For Oxidized Finish, Add	66.46	
For Polished Finish, Add	132.92	
10 14 19 00-0146 EA 20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	583.58	17.01
For Installation With Adhesive, Deduct	-35.98	
For Oxidized Finish, Add	77.33	
For Polished Finish, Add	154.66	
10 14 19 00-0147 EA 22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	721.60	17.96
For Installation With Adhesive, Deduct	-43.26	
For Oxidized Finish, Add	97.47	
For Polished Finish, Add	194.93	
10 14 19 00-0148 EA 24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	824.68	18.90
For Installation With Adhesive, Deduct	-48.80	
For Oxidized Finish, Add	112.36	
For Polished Finish, Add	224.72	
10 14 19 00-0149 EA 30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,145.94	22.68
For Installation With Adhesive, Deduct	-66.37	
For Oxidized Finish, Add	158.28	
For Polished Finish, Add	316.56	
10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0151 EA 2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	77.55	4.72
For Installation With Adhesive, Deduct	-5.77	
For Oxidized Finish, Add	8.80	
For Polished Finish, Add	17.60	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	101.39	5.49
			<i>For Installation With Adhesive, Deduct</i>	-7.26	
			<i>For Oxidized Finish, Add</i>	11.92	
			<i>For Polished Finish, Add</i>	23.84	
10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	147.97	6.61
			<i>For Installation With Adhesive, Deduct</i>	-10.05	
			<i>For Oxidized Finish, Add</i>	18.23	
			<i>For Polished Finish, Add</i>	36.45	
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	204.38	7.56
			<i>For Installation With Adhesive, Deduct</i>	-13.24	
			<i>For Oxidized Finish, Add</i>	26.12	
			<i>For Polished Finish, Add</i>	52.24	
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	286.38	8.51
			<i>For Installation With Adhesive, Deduct</i>	-17.72	
			<i>For Oxidized Finish, Add</i>	37.85	
			<i>For Polished Finish, Add</i>	75.71	
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	383.74	9.82
			<i>For Installation With Adhesive, Deduct</i>	-23.12	
			<i>For Oxidized Finish, Add</i>	51.66	
			<i>For Polished Finish, Add</i>	103.33	
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	476.78	11.35
			<i>For Installation With Adhesive, Deduct</i>	-28.38	
			<i>For Oxidized Finish, Add</i>	64.71	
			<i>For Polished Finish, Add</i>	129.42	
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	568.28	13.61
			<i>For Installation With Adhesive, Deduct</i>	-33.86	
			<i>For Oxidized Finish, Add</i>	77.08	
			<i>For Polished Finish, Add</i>	154.15	
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	778.53	15.12
			<i>For Installation With Adhesive, Deduct</i>	-44.98	
			<i>For Oxidized Finish, Add</i>	107.71	
			<i>For Polished Finish, Add</i>	215.41	
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	878.17	17.01
			<i>For Installation With Adhesive, Deduct</i>	-50.71	
			<i>For Oxidized Finish, Add</i>	121.52	
			<i>For Polished Finish, Add</i>	243.04	
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,100.24	17.96
			<i>For Installation With Adhesive, Deduct</i>	-62.20	
			<i>For Oxidized Finish, Add</i>	154.26	
			<i>For Polished Finish, Add</i>	308.52	
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,289.62	18.90
			<i>For Installation With Adhesive, Deduct</i>	-72.04	
			<i>For Oxidized Finish, Add</i>	182.10	
			<i>For Polished Finish, Add</i>	364.20	
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,951.45	22.68
			<i>For Installation With Adhesive, Deduct</i>	-106.65	
			<i>For Oxidized Finish, Add</i>	279.11	
			<i>For Polished Finish, Add</i>	558.22	
10 14 19 00-0164			3/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	96.08	4.72
			<i>For Installation With Adhesive, Deduct</i>	-6.69	
			<i>For Oxidized Finish, Add</i>	11.58	
			<i>For Polished Finish, Add</i>	23.15	
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	135.75	5.49
			<i>For Installation With Adhesive, Deduct</i>	-8.98	
			<i>For Oxidized Finish, Add</i>	17.07	
			<i>For Polished Finish, Add</i>	34.15	
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	186.33	6.61
			<i>For Installation With Adhesive, Deduct</i>	-11.96	
			<i>For Oxidized Finish, Add</i>	23.98	
			<i>For Polished Finish, Add</i>	47.96	
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	253.50	7.56
			<i>For Installation With Adhesive, Deduct</i>	-15.70	
			<i>For Oxidized Finish, Add</i>	33.49	
			<i>For Polished Finish, Add</i>	66.98	
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	346.47	8.51
			<i>For Installation With Adhesive, Deduct</i>	-20.73	
			<i>For Oxidized Finish, Add</i>	46.87	
			<i>For Polished Finish, Add</i>	93.74	
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	477.67	9.82
			<i>For Installation With Adhesive, Deduct</i>	-27.82	
			<i>For Oxidized Finish, Add</i>	65.75	
			<i>For Polished Finish, Add</i>	131.51	
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	597.17	11.35
			<i>For Installation With Adhesive, Deduct</i>	-34.40	
			<i>For Oxidized Finish, Add</i>	82.77	
			<i>For Polished Finish, Add</i>	165.54	
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	696.13	13.61
			<i>For Installation With Adhesive, Deduct</i>	-40.25	
			<i>For Oxidized Finish, Add</i>	96.25	
			<i>For Polished Finish, Add</i>	192.51	

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....931.31		15.12
			<i>For Installation With Adhesive, Deduct</i>	-52.61	
			<i>For Oxidized Finish, Add</i>	130.62	
			<i>For Polished Finish, Add</i>	261.25	
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....1,018.10		17.01
			<i>For Installation With Adhesive, Deduct</i>	-57.71	
			<i>For Oxidized Finish, Add</i>	142.51	
			<i>For Polished Finish, Add</i>	285.02	
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....1,296.58		17.96
			<i>For Installation With Adhesive, Deduct</i>	-72.01	
			<i>For Oxidized Finish, Add</i>	183.71	
			<i>For Polished Finish, Add</i>	367.43	
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....1,651.24		18.90
			<i>For Installation With Adhesive, Deduct</i>	-90.12	
			<i>For Oxidized Finish, Add</i>	236.34	
			<i>For Polished Finish, Add</i>	472.69	
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....2,499.20		22.68
			<i>For Installation With Adhesive, Deduct</i>	-134.03	
			<i>For Oxidized Finish, Add</i>	361.27	
			<i>For Polished Finish, Add</i>	722.54	
10 14 19 00-0178			Satin Finish, Bronze Characters (10 14 19 00-0049)		
10 14 19 00-0179			1/4" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....49.77		4.72
			<i>For Installation With Adhesive, Deduct</i>	-4.38	
			<i>For Oxidized Finish, Add</i>	4.63	
			<i>For Polished Or Patina Finish, Add</i>	9.26	
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....64.92		5.49
			<i>For Installation With Adhesive, Deduct</i>	-5.44	
			<i>For Oxidized Finish, Add</i>	6.45	
			<i>For Polished Or Patina Finish, Add</i>	12.90	
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....90.41		6.61
			<i>For Installation With Adhesive, Deduct</i>	-7.17	
			<i>For Oxidized Finish, Add</i>	9.59	
			<i>For Polished Or Patina Finish, Add</i>	19.18	
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....119.54		7.56
			<i>For Installation With Adhesive, Deduct</i>	-9.00	
			<i>For Oxidized Finish, Add</i>	13.40	
			<i>For Polished Or Patina Finish, Add</i>	26.79	
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....154.19		8.51
			<i>For Installation With Adhesive, Deduct</i>	-11.11	
			<i>For Oxidized Finish, Add</i>	18.03	
			<i>For Polished Or Patina Finish, Add</i>	36.05	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....195.88		9.82
			<i>For Installation With Adhesive, Deduct</i>	-13.73	
			<i>For Oxidized Finish, Add</i>	23.48	
			<i>For Polished Or Patina Finish, Add</i>	46.97	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....246.03		11.35
			<i>For Installation With Adhesive, Deduct</i>	-16.84	
			<i>For Oxidized Finish, Add</i>	30.10	
			<i>For Polished Or Patina Finish, Add</i>	60.20	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....305.81		13.61
			<i>For Installation With Adhesive, Deduct</i>	-20.73	
			<i>For Oxidized Finish, Add</i>	37.71	
			<i>For Polished Or Patina Finish, Add</i>	75.41	
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....366.99		15.12
			<i>For Installation With Adhesive, Deduct</i>	-24.40	
			<i>For Oxidized Finish, Add</i>	45.98	
			<i>For Polished Or Patina Finish, Add</i>	91.95	
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....436.29		17.01
			<i>For Installation With Adhesive, Deduct</i>	-28.62	
			<i>For Oxidized Finish, Add</i>	55.24	
			<i>For Polished Or Patina Finish, Add</i>	110.47	
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....510.63		17.96
			<i>For Installation With Adhesive, Deduct</i>	-32.71	
			<i>For Oxidized Finish, Add</i>	65.82	
			<i>For Polished Or Patina Finish, Add</i>	131.64	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....592.68		18.90
			<i>For Installation With Adhesive, Deduct</i>	-37.20	
			<i>For Oxidized Finish, Add</i>	77.56	
			<i>For Polished Or Patina Finish, Add</i>	155.12	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....904.37		22.68
			<i>For Installation With Adhesive, Deduct</i>	-54.29	
			<i>For Oxidized Finish, Add</i>	122.05	
			<i>For Polished Or Patina Finish, Add</i>	244.09	
10 14 19 00-0193			3/8" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....59.65		4.72
			<i>For Installation With Adhesive, Deduct</i>	-4.87	
			<i>For Oxidized Finish, Add</i>	6.11	
			<i>For Polished Or Patina Finish, Add</i>	12.23	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	78.25	5.49
			<i>For Installation With Adhesive, Deduct</i>	-6.10	
			<i>For Oxidized Finish, Add</i>	8.45	
			<i>For Polished Or Patina Finish, Add</i>	16.90	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	114.71	6.61
			<i>For Installation With Adhesive, Deduct</i>	-8.38	
			<i>For Oxidized Finish, Add</i>	13.24	
			<i>For Polished Or Patina Finish, Add</i>	26.47	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	152.58	7.56
			<i>For Installation With Adhesive, Deduct</i>	-10.65	
			<i>For Oxidized Finish, Add</i>	18.35	
			<i>For Polished Or Patina Finish, Add</i>	36.70	
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	208.27	8.51
			<i>For Installation With Adhesive, Deduct</i>	-13.82	
			<i>For Oxidized Finish, Add</i>	26.14	
			<i>For Polished Or Patina Finish, Add</i>	52.28	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	264.76	9.82
			<i>For Installation With Adhesive, Deduct</i>	-17.17	
			<i>For Oxidized Finish, Add</i>	33.82	
			<i>For Polished Or Patina Finish, Add</i>	67.63	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	332.31	11.35
			<i>For Installation With Adhesive, Deduct</i>	-21.15	
			<i>For Oxidized Finish, Add</i>	43.04	
			<i>For Polished Or Patina Finish, Add</i>	86.08	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	411.39	13.61
			<i>For Installation With Adhesive, Deduct</i>	-26.01	
			<i>For Oxidized Finish, Add</i>	53.54	
			<i>For Polished Or Patina Finish, Add</i>	107.09	
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	498.78	15.12
			<i>For Installation With Adhesive, Deduct</i>	-30.99	
			<i>For Oxidized Finish, Add</i>	65.74	
			<i>For Polished Or Patina Finish, Add</i>	131.49	
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	594.63	17.01
			<i>For Installation With Adhesive, Deduct</i>	-36.54	
			<i>For Oxidized Finish, Add</i>	78.99	
			<i>For Polished Or Patina Finish, Add</i>	157.97	
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	699.31	17.96
			<i>For Installation With Adhesive, Deduct</i>	-42.15	
			<i>For Oxidized Finish, Add</i>	94.12	
			<i>For Polished Or Patina Finish, Add</i>	188.24	
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	794.34	18.90
			<i>For Installation With Adhesive, Deduct</i>	-47.28	
			<i>For Oxidized Finish, Add</i>	107.81	
			<i>For Polished Or Patina Finish, Add</i>	215.62	
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,091.51	22.68
			<i>For Installation With Adhesive, Deduct</i>	-63.65	
			<i>For Oxidized Finish, Add</i>	150.12	
			<i>For Polished Or Patina Finish, Add</i>	300.23	
10 14 19 00-0207			1/2" Deep, Satin Finish, Bronze Characters ^(10 14 19 00-0178)	61.81	4.72
10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	61.81	4.72
			<i>For Installation With Adhesive, Deduct</i>	-4.98	
			<i>For Oxidized Finish, Add</i>	6.44	
			<i>For Polished Or Patina Finish, Add</i>	12.87	
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	93.73	5.49
			<i>For Installation With Adhesive, Deduct</i>	-6.88	
			<i>For Oxidized Finish, Add</i>	10.77	
			<i>For Polished Or Patina Finish, Add</i>	21.54	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	134.54	6.61
			<i>For Installation With Adhesive, Deduct</i>	-9.37	
			<i>For Oxidized Finish, Add</i>	16.21	
			<i>For Polished Or Patina Finish, Add</i>	32.42	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	186.52	7.56
			<i>For Installation With Adhesive, Deduct</i>	-12.35	
			<i>For Oxidized Finish, Add</i>	23.44	
			<i>For Polished Or Patina Finish, Add</i>	46.88	
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	256.34	8.51
			<i>For Installation With Adhesive, Deduct</i>	-16.22	
			<i>For Oxidized Finish, Add</i>	33.35	
			<i>For Polished Or Patina Finish, Add</i>	66.70	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	350.86	9.82
			<i>For Installation With Adhesive, Deduct</i>	-21.48	
			<i>For Oxidized Finish, Add</i>	46.73	
			<i>For Polished Or Patina Finish, Add</i>	93.46	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	456.71	11.35
			<i>For Installation With Adhesive, Deduct</i>	-27.37	
			<i>For Oxidized Finish, Add</i>	61.70	
			<i>For Polished Or Patina Finish, Add</i>	123.40	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	572.26	13.61
			<i>For Installation With Adhesive, Deduct</i>	-34.06	
			<i>For Oxidized Finish, Add</i>	77.67	
			<i>For Polished Or Patina Finish, Add</i>	155.35	

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	704.13	15.12
			<i>For Installation With Adhesive, Deduct</i>	-41.26	
			<i>For Oxidized Finish, Add</i>	96.55	
			<i>For Polished Or Patina Finish, Add</i>	193.09	
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	845.03	17.01
			<i>For Installation With Adhesive, Deduct</i>	-49.06	
			<i>For Oxidized Finish, Add</i>	116.55	
			<i>For Polished Or Patina Finish, Add</i>	233.09	
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,002.08	17.96
			<i>For Installation With Adhesive, Deduct</i>	-57.29	
			<i>For Oxidized Finish, Add</i>	139.54	
			<i>For Polished Or Patina Finish, Add</i>	279.08	
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,166.63	18.90
			<i>For Installation With Adhesive, Deduct</i>	-65.89	
			<i>For Oxidized Finish, Add</i>	163.65	
			<i>For Polished Or Patina Finish, Add</i>	327.31	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,636.66	22.68
			<i>For Installation With Adhesive, Deduct</i>	-90.91	
			<i>For Oxidized Finish, Add</i>	231.89	
			<i>For Polished Or Patina Finish, Add</i>	463.78	
10 14 19 00-0221			Satin Finish, Copper Characters (10 14 19 00-0049)		
10 14 19 00-0222			1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	49.77	4.72
			<i>For Installation With Adhesive, Deduct</i>	-4.38	
			<i>For Polished Finish, Add</i>	9.26	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	66.02	5.49
			<i>For Installation With Adhesive, Deduct</i>	-5.49	
			<i>For Polished Finish, Add</i>	13.23	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	94.83	6.61
			<i>For Installation With Adhesive, Deduct</i>	-7.39	
			<i>For Polished Finish, Add</i>	20.51	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	127.26	7.56
			<i>For Installation With Adhesive, Deduct</i>	-9.39	
			<i>For Polished Finish, Add</i>	29.11	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	163.01	8.51
			<i>For Installation With Adhesive, Deduct</i>	-11.55	
			<i>For Polished Finish, Add</i>	38.70	
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	209.10	9.82
			<i>For Installation With Adhesive, Deduct</i>	-14.39	
			<i>For Polished Finish, Add</i>	50.93	
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	263.67	11.35
			<i>For Installation With Adhesive, Deduct</i>	-17.72	
			<i>For Polished Finish, Add</i>	65.49	
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	325.66	13.61
			<i>For Installation With Adhesive, Deduct</i>	-21.73	
			<i>For Polished Finish, Add</i>	81.37	
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	392.34	15.12
			<i>For Installation With Adhesive, Deduct</i>	-25.67	
			<i>For Polished Finish, Add</i>	99.56	
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	466.05	17.01
			<i>For Installation With Adhesive, Deduct</i>	-30.11	
			<i>For Polished Finish, Add</i>	119.40	
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	547.02	17.96
			<i>For Installation With Adhesive, Deduct</i>	-34.53	
			<i>For Polished Finish, Add</i>	142.56	
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	634.58	18.90
			<i>For Installation With Adhesive, Deduct</i>	-39.29	
			<i>For Polished Finish, Add</i>	167.69	
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	918.13	22.68
			<i>For Installation With Adhesive, Deduct</i>	-54.98	
			<i>For Polished Finish, Add</i>	248.22	
10 14 19 00-0236			3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	57.49	4.72
			<i>For Installation With Adhesive, Deduct</i>	-4.76	
			<i>For Polished Finish, Add</i>	11.58	
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	79.25	5.49
			<i>For Installation With Adhesive, Deduct</i>	-6.15	
			<i>For Polished Finish, Add</i>	17.20	
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	118.75	6.61
			<i>For Installation With Adhesive, Deduct</i>	-8.58	
			<i>For Polished Finish, Add</i>	27.68	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	166.07	7.56
			<i>For Installation With Adhesive, Deduct</i>	-11.33	
			<i>For Polished Finish, Add</i>	40.75	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	227.51	8.51
			<i>For Installation With Adhesive, Deduct</i>	-14.78	
			<i>For Polished Finish, Add</i>	58.05	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	285.51	9.82
			<i>For Installation With Adhesive, Deduct</i>	-18.21	
			<i>For Polished Finish, Add</i>	73.86	



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	361.90 -22.63 94.96	11.35
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	447.70 -27.83 117.98	13.61
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	541.68 -33.13 144.36	15.12
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	645.15 -39.06 173.13	17.01
10 14 19 00-0247	EA		22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	760.85 -45.23 206.71	17.96
10 14 19 00-0248	EA		24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	858.16 -50.47 234.77	18.90
10 14 19 00-0249	EA		30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	1,207.72 -69.46 335.10	22.68
10 14 19 00-0250			Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251			1/4" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA		2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	42.42 -4.01 7.06	4.72
10 14 19 00-0253	EA		4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	56.02 -4.99 10.23	5.49
10 14 19 00-0254	EA		6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	72.33 -6.26 13.76	6.61
10 14 19 00-0255	EA		8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	93.74 -7.71 19.05	7.56
10 14 19 00-0256	EA		10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	115.16 -9.16 24.34	8.51
10 14 19 00-0257	EA		12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	141.63 -11.01 30.69	9.82
10 14 19 00-0258	EA		14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	170.03 -13.04 37.40	11.35
10 14 19 00-0259	EA		16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	203.79 -15.63 44.81	13.61
10 14 19 00-0260	EA		18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	238.07 -17.95 53.27	15.12
10 14 19 00-0261	EA		20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	278.55 -20.73 63.15	17.01
10 14 19 00-0262	EA		22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	324.67 -23.42 75.85	17.96
10 14 19 00-0263	EA		24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	371.96 -26.16 88.91	18.90
10 14 19 00-0264	EA		30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	511.74 -34.66 126.30	22.68
10 14 19 00-0265			3/8" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA		2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	50.65 -4.42 9.53	4.72
10 14 19 00-0267	EA		4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	67.96 -5.59 13.81	5.49
10 14 19 00-0268	EA		6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	87.47 -7.02 18.30	6.61
10 14 19 00-0269	EA		8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	112.16 -8.63 24.58	7.56
10 14 19 00-0270	EA		10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	138.70 -10.34 31.40	8.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0271 EA 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	171.30	9.82
For Installation With Adhesive, Deduct	-12.50	
For Polished Finish, Add	39.59	
10 14 19 00-0272 EA 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	206.18	11.35
For Installation With Adhesive, Deduct	-14.85	
For Polished Finish, Add	48.24	
10 14 19 00-0273 EA 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	247.10	13.61
For Installation With Adhesive, Deduct	-17.80	
For Polished Finish, Add	57.80	
10 14 19 00-0274 EA 18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	287.79	15.12
For Installation With Adhesive, Deduct	-20.44	
For Polished Finish, Add	68.19	
10 14 19 00-0275 EA 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	337.50	17.01
For Installation With Adhesive, Deduct	-23.68	
For Polished Finish, Add	80.84	
10 14 19 00-0276 EA 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	380.29	17.96
For Installation With Adhesive, Deduct	-26.20	
For Polished Finish, Add	92.54	
10 14 19 00-0277 EA 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	437.16	18.90
For Installation With Adhesive, Deduct	-29.42	
For Polished Finish, Add	108.47	
10 14 19 00-0278 EA 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	604.36	22.68
For Installation With Adhesive, Deduct	-39.29	
For Polished Finish, Add	154.09	
10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0280 EA 2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	61.24	4.72
For Installation With Adhesive, Deduct	-4.95	
For Polished Finish, Add	12.70	
10 14 19 00-0281 EA 4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	83.31	5.49
For Installation With Adhesive, Deduct	-6.36	
For Polished Finish, Add	18.42	
10 14 19 00-0282 EA 6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	107.65	6.61
For Installation With Adhesive, Deduct	-8.03	
For Polished Finish, Add	24.35	
10 14 19 00-0283 EA 8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	142.01	7.56
For Installation With Adhesive, Deduct	-10.12	
For Polished Finish, Add	33.53	
10 14 19 00-0284 EA 10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	176.83	8.51
For Installation With Adhesive, Deduct	-12.24	
For Polished Finish, Add	42.84	
10 14 19 00-0285 EA 12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	219.39	9.82
For Installation With Adhesive, Deduct	-14.90	
For Polished Finish, Add	54.02	
10 14 19 00-0286 EA 14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	264.76	11.35
For Installation With Adhesive, Deduct	-17.78	
For Polished Finish, Add	65.82	
10 14 19 00-0287 EA 16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	317.30	13.61
For Installation With Adhesive, Deduct	-21.31	
For Polished Finish, Add	78.86	
10 14 19 00-0288 EA 18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	378.35	15.12
For Installation With Adhesive, Deduct	-24.97	
For Polished Finish, Add	95.36	
10 14 19 00-0289 EA 20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	444.85	17.01
For Installation With Adhesive, Deduct	-29.05	
For Polished Finish, Add	113.04	
10 14 19 00-0290 EA 22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	499.13	17.96
For Installation With Adhesive, Deduct	-32.14	
For Polished Finish, Add	128.19	
10 14 19 00-0291 EA 24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	576.44	18.90
For Installation With Adhesive, Deduct	-36.38	
For Polished Finish, Add	150.25	
10 14 19 00-0292 EA 30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	802.23	22.68
For Installation With Adhesive, Deduct	-49.18	
For Polished Finish, Add	213.45	
10 14 23 Panel Signage (10 14)		
10 14 23 00-0001 Indoor/Outdoor Signs (10 14 23)		
Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 00-0002 Surface Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 00-0002)		
Note: Multi-color with words, symbols and graphics.		
10 14 23 00-0004 EA Up To 25 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	20.12	8.31
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.88	
For >100, Deduct	-1.05	
For Clear Glass Mount, Add	2.80	
For Glow-In-Dark, Add	7.00	
For Reflective Finish, Add	7.88	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0005	EA		>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	22.62	8.31
			<i>For >25 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.50	
			<i>For >100, Deduct</i>	-1.80	
			<i>For Clear Glass Mount, Add</i>	4.80	
			<i>For Glow-In-Dark, Add</i>	12.00	
			<i>For Reflective Finish, Add</i>	13.50	
10 14 23 00-0006	EA		>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	26.62	8.31
			<i>For >25 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.50	
			<i>For >100, Deduct</i>	-3.00	
			<i>For Clear Glass Mount, Add</i>	8.00	
			<i>For Glow-In-Dark, Add</i>	20.00	
			<i>For Reflective Finish, Add</i>	22.50	
10 14 23 00-0007	EA		>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	31.62	8.31
			<i>For >25 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-3.75	
			<i>For >100, Deduct</i>	-4.50	
			<i>For Clear Glass Mount, Add</i>	12.00	
			<i>For Glow-In-Dark, Add</i>	30.00	
			<i>For Reflective Finish, Add</i>	33.75	
10 14 23 00-0008	EA		>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	40.62	8.31
			<i>For >25 To 50, Deduct</i>	-2.40	
			<i>For >50 To 100, Deduct</i>	-6.00	
			<i>For >100, Deduct</i>	-7.20	
			<i>For Clear Glass Mount, Add</i>	19.20	
			<i>For Glow-In-Dark, Add</i>	48.00	
			<i>For Reflective Finish, Add</i>	54.00	
10 14 23 00-0009	EA		>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	56.62	8.31
			<i>For >25 To 50, Deduct</i>	-4.00	
			<i>For >50 To 100, Deduct</i>	-10.00	
			<i>For >100, Deduct</i>	-12.00	
			<i>For Clear Glass Mount, Add</i>	32.00	
			<i>For Glow-In-Dark, Add</i>	80.00	
			<i>For Reflective Finish, Add</i>	90.00	
10 14 23 00-0010	EA		>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	76.62	8.31
			<i>For >25 To 50, Deduct</i>	-6.00	
			<i>For >50 To 100, Deduct</i>	-15.00	
			<i>For >100, Deduct</i>	-18.00	
			<i>For Clear Glass Mount, Add</i>	48.00	
			<i>For Glow-In-Dark, Add</i>	120.00	
			<i>For Reflective Finish, Add</i>	135.00	
10 14 23 00-0011	SI		>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.09	0.01
			<i>For Clear Glass Mount, Add</i>	0.06	
			<i>For Glow-In-Dark, Add</i>	0.14	
			<i>For Reflective Finish, Add</i>	0.16	
10 14 23 00-0012			Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs		
			<small>(10 14 23 00-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0013	EA		Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	21.12	8.31
			<i>For >25 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-1.35	
			<i>For Glow-In-Dark, Add</i>	9.00	
			<i>For Reflective Finish, Add</i>	9.68	
10 14 23 00-0014	EA		>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	23.62	8.31
			<i>For >25 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100, Deduct</i>	-2.10	
			<i>For Glow-In-Dark, Add</i>	14.00	
			<i>For Reflective Finish, Add</i>	15.05	
10 14 23 00-0015	EA		>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	28.62	8.31
			<i>For >25 To 50, Deduct</i>	-1.20	
			<i>For >50 To 100, Deduct</i>	-3.00	
			<i>For >100, Deduct</i>	-3.60	
			<i>For Glow-In-Dark, Add</i>	24.00	
			<i>For Reflective Finish, Add</i>	25.80	
10 14 23 00-0016	EA		>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	33.62	8.31
			<i>For >25 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-4.25	
			<i>For >100, Deduct</i>	-5.10	
			<i>For Glow-In-Dark, Add</i>	34.00	
			<i>For Reflective Finish, Add</i>	36.55	
10 14 23 00-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	41.12	8.31
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-6.13	
			<i>For >100, Deduct</i>	-7.35	
			<i>For Glow-In-Dark, Add</i>	49.00	
			<i>For Reflective Finish, Add</i>	52.68	
10 14 23 00-0018	EA		>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	48.62	8.31
			<i>For >25 To 50, Deduct</i>	-3.20	
			<i>For >50 To 100, Deduct</i>	-8.00	
			<i>For >100, Deduct</i>	-9.60	
			<i>For Glow-In-Dark, Add</i>	64.00	
			<i>For Reflective Finish, Add</i>	68.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0019 EA >750 To 1,000 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	56.62	8.31
For >25 To 50, Deduct	-4.00	
For >50 To 100, Deduct	-10.00	
For >100, Deduct	-12.00	
For Glow-In-Dark, Add	80.00	
For Reflective Finish, Add	86.00	
10 14 23 00-0020 Sl >1,000 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.06	0.01
For Glow-In-Dark, Add	0.08	
For Reflective Finish, Add	0.09	
10 14 23 00-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0022 EA Up To 25 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	28.62	8.31
For >25 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-3.00	
For >100, Deduct	-3.60	
For Molded Plastic Frame, Add	15.00	
For Brushed Metal Finish/Faux Metal Finish, Add	23.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 00-0023 EA >25 To 50 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	31.62	8.31
For >25 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.75	
For >100, Deduct	-4.50	
For Molded Plastic Frame, Add	17.00	
For Brushed Metal Finish/Faux Metal Finish, Add	28.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 00-0024 EA >50 To 75 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	36.62	8.31
For >25 To 50, Deduct	-2.00	
For >50 To 100, Deduct	-5.00	
For >100, Deduct	-6.00	
For Molded Plastic Frame, Add	19.00	
For Brushed Metal Finish/Faux Metal Finish, Add	31.00	
10 14 23 00-0025 EA >75 To 100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	41.32	8.31
For >25 To 50, Deduct	-2.47	
For >50 To 100, Deduct	-6.18	
For >100, Deduct	-7.41	
For Molded Plastic Frame, Add	21.00	
For Brushed Metal Finish/Faux Metal Finish, Add	35.00	
10 14 23 00-0026 Sl >100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.45	0.08
For Molded Plastic Frame, Add	0.20	
For Brushed Metal Finish/Faux Metal Finish, Add	0.31	
10 14 23 00-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0028 EA Up To 25 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	35.62	8.31
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-4.75	
For >100, Deduct	-5.70	
For Molded Plastic Frame, Add	15.00	
10 14 23 00-0029 EA >25 To 50 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	41.62	8.31
For >25 To 50, Deduct	-2.50	
For >50 To 100, Deduct	-6.25	
For >100, Deduct	-7.50	
For Molded Plastic Frame, Add	17.00	
10 14 23 00-0030 EA >50 To 75 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	49.62	8.31
For >25 To 50, Deduct	-3.30	
For >50 To 100, Deduct	-8.25	
For >100, Deduct	-9.90	
For Molded Plastic Frame, Add	19.00	
10 14 23 00-0031 EA >75 To 100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	65.62	8.31
For >25 To 50, Deduct	-4.90	
For >50 To 100, Deduct	-12.25	
For >100, Deduct	-14.70	
For Molded Plastic Frame, Add	21.00	
10 14 23 00-0032 Sl >100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	0.66	0.08
For Molded Plastic Frame, Add	0.20	
10 14 23 00-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0034 EA Up To 25 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	20.62	8.31
For >25 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-1.00	
For >100, Deduct	-1.20	
For Glow-In-Dark, Add	2.40	
For Reflective Finish, Add	3.00	
10 14 23 00-0035 EA >25 To 50 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	23.62	8.31
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.75	
For >100, Deduct	-2.10	
For Glow-In-Dark, Add	4.20	
For Reflective Finish, Add	5.25	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	29.62	8.31
			For >25 To 50, Deduct	-1.30	
			For >50 To 100, Deduct	-3.25	
			For >100, Deduct	-3.90	
			For Glow-In-Dark, Add	7.80	
			For Reflective Finish, Add	9.75	
10 14 23 00-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	36.62	8.31
			For >25 To 50, Deduct	-2.00	
			For >50 To 100, Deduct	-5.00	
			For >100, Deduct	-6.00	
			For Glow-In-Dark, Add	12.00	
			For Reflective Finish, Add	15.00	
10 14 23 00-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	57.62	8.31
			For >25 To 50, Deduct	-4.10	
			For >50 To 100, Deduct	-10.25	
			For >100, Deduct	-12.30	
			For Glow-In-Dark, Add	24.60	
			For Reflective Finish, Add	30.75	
10 14 23 00-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	66.62	8.31
			For >25 To 50, Deduct	-5.00	
			For >50 To 100, Deduct	-12.50	
			For >100, Deduct	-15.00	
			For Glow-In-Dark, Add	30.00	
			For Reflective Finish, Add	37.50	
10 14 23 00-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	78.62	8.31
			For >25 To 50, Deduct	-6.20	
			For >50 To 100, Deduct	-15.50	
			For >100, Deduct	-18.60	
			For Glow-In-Dark, Add	37.20	
			For Reflective Finish, Add	46.50	
10 14 23 00-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.09	0.01
			For Glow-In-Dark, Add	0.04	
			For Reflective Finish, Add	0.05	
10 14 23 00-0042			Ceiling Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0043			Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 00-0042)		
10 14 23 00-0044	EA		Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	28.76	11.64
			For >25 To 50, Deduct	-0.55	
			For >50 To 100, Deduct	-1.38	
			For >100, Deduct	-1.65	
			For Glow-In-Dark, Add	3.30	
			For Reflective Finish, Add	4.13	
10 14 23 00-0045	EA		>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	33.26	11.64
			For >25 To 50, Deduct	-1.00	
			For >50 To 100, Deduct	-2.50	
			For >100, Deduct	-3.00	
			For Glow-In-Dark, Add	6.00	
			For Reflective Finish, Add	7.50	
10 14 23 00-0046	EA		>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	39.26	11.64
			For >25 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-4.00	
			For >100, Deduct	-4.80	
			For Glow-In-Dark, Add	9.60	
			For Reflective Finish, Add	12.00	
10 14 23 00-0047	EA		>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	48.26	11.64
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-6.25	
			For >100, Deduct	-7.50	
			For Glow-In-Dark, Add	15.00	
			For Reflective Finish, Add	18.75	
10 14 23 00-0048			90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0049			Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0048)		
10 14 23 00-0050	EA		Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	29.26	11.64
			For >25 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-1.80	
			For Glow-In-Dark, Add	3.60	
			For Reflective Finish, Add	4.50	
10 14 23 00-0051	EA		>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	34.26	11.64
			For >25 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.75	
			For >100, Deduct	-3.30	
			For Glow-In-Dark, Add	6.60	
			For Reflective Finish, Add	8.25	
10 14 23 00-0052	EA		>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	45.26	11.64
			For >25 To 50, Deduct	-2.20	
			For >50 To 100, Deduct	-5.50	
			For >100, Deduct	-6.60	
			For Glow-In-Dark, Add	13.20	
			For Reflective Finish, Add	16.50	

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0053 EA >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	49.26	11.64
For >25 To 50, Deduct	-2.60	
For >50 To 100, Deduct	-6.50	
For >100, Deduct	-7.80	
For Glow-In-Dark, Add	15.60	
For Reflective Finish, Add	19.50	
10 14 23 00-0054 Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0055 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0054)		
10 14 23 00-0056 EA Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	30.76	11.64
For >25 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.88	
For >100, Deduct	-2.25	
For Glow-In-Dark, Add	4.50	
For Reflective Finish, Add	5.63	
10 14 23 00-0057 EA >25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	38.26	11.64
For >25 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.75	
For >100, Deduct	-4.50	
For Glow-In-Dark, Add	9.00	
For Reflective Finish, Add	11.25	
10 14 23 00-0058 EA >50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	41.26	11.64
For >25 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-4.50	
For >100, Deduct	-5.40	
For Glow-In-Dark, Add	10.80	
For Reflective Finish, Add	13.50	
10 14 23 00-0059 EA >100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	45.26	11.64
For >25 To 50, Deduct	-2.20	
For >50 To 100, Deduct	-5.50	
For >100, Deduct	-6.60	
For Glow-In-Dark, Add	13.20	
For Reflective Finish, Add	16.50	
10 14 23 00-0060 Adhesive Backed Vinyl Characters (10 14 23)		
Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 00-0061 EA 1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.03	0.66
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.33	
10 14 23 00-0062 EA 3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.10	0.76
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.35	
10 14 23 00-0063 EA 1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.16	0.86
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.37	
10 14 23 00-0064 EA 1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.93	0.99
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.47	
10 14 23 00-0065 EA 2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.02	1.16
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.50	
10 14 23 00-0066 EA 3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.24	1.33
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.71	
10 14 23 00-0067 EA 4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.51	1.49
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.78	
10 14 23 00-0068 EA 6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.00	1.67
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.07	
10 14 23 00-0069 EA 8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.09	1.83
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.34	
10 14 23 00-0070 EA 10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.03	2.00
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.74	
10 14 23 00-0071 Removal And Reinstallation Of Building Signage (10 14 23)		
Note: Includes storage and cleaning.		
10 14 23 00-0072 EA Remove And Reinstall Building Signage, Exterior Up To 4 SF.....	132.37	
10 14 23 00-0073 EA Remove And Reinstall Building Signage, Exterior >4 To 12 SF.....	152.41	
10 14 23 00-0074 EA Remove And Reinstall Building Signage, >12 To 20 SF.....	171.33	
10 14 23 00-0075 EA Remove And Reinstall Interior Door And Office Signage, Up To 4SF.....	49.86	
10 14 23 00-0076 Building Sign (10 14 23)		
Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 00-0077 EA 6" x 18" Metal Building Sign With Numbers	155.71	19.95
10 14 23 00-0078 SF Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	37.17	5.30
10 14 23 00-0079 SF Single Sided, Molding On One Side, For Mounting On Structure Up To 20'.....	27.44	4.91
10 14 23 00-0080 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep.....	13.98	4.16
10 14 23 00-0081 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep.....	15.89	4.54
10 14 23 00-0082 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep.....	17.37	4.91
10 14 23 00-0083 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep.....	20.02	5.30
10 14 53 Traffic Signage (10 14)		



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0001 Traffic Signs <small>(10 14 53)</small>		
10 14 53 00-0002 ReflectORIZED Stop Signs And Other Traffic Signs <small>(10 14 53 00-0001)</small>		
Note: Excludes posts.		
10 14 53 00-0003 Aluminum Engineer Grade Stop Signs <small>(10 14 53 00-0002)</small>		
10 14 53 00-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign	51.37	14.96
For Hi-Intensity Grade, Add	6.44	
For Diamond Grade, Add	12.23	
10 14 53 00-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign	59.63	15.82
For Hi-Intensity Grade, Add	8.42	
For Diamond Grade, Add	15.99	
10 14 53 00-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign	64.60	16.62
For Hi-Intensity Grade, Add	12.85	
For Diamond Grade, Add	20.38	
10 14 53 00-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign	75.05	17.49
For Hi-Intensity Grade, Add	4.82	
For Diamond Grade, Add	26.10	
10 14 53 00-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign	100.92	18.28
For Hi-Intensity Grade, Add	14.16	
For Diamond Grade, Add	44.40	
10 14 53 00-0009 Other ReflectORIZED Traffic Signs <small>(10 14 53 00-0002)</small>		
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs <small>(10 14 53 00-0009)</small>		
10 14 53 00-0011 EA 6" x 12" Aluminum Engineer Grade Traffic Sign	31.91	13.29
For Hi-Intensity Grade, Add	1.59	
10 14 53 00-0012 EA 6" x 18" Aluminum Engineer Grade Traffic Sign	34.57	13.29
For Hi-Intensity Grade, Add	2.39	
10 14 53 00-0013 EA 9" x 12" Aluminum Engineer Grade Traffic Sign	34.57	13.29
For Hi-Intensity Grade, Add	2.39	
10 14 53 00-0014 EA 9" x 15" Aluminum Engineer Grade Traffic Sign	36.56	13.29
For Hi-Intensity Grade, Add	2.99	
10 14 53 00-0015 EA 9" x 18" Aluminum Engineer Grade Traffic Sign	38.56	13.29
For Hi-Intensity Grade, Add	3.59	
10 14 53 00-0016 EA 9" x 24" Aluminum Engineer Grade Traffic Sign	44.20	14.13
For Hi-Intensity Grade, Add	4.78	
10 14 53 00-0017 EA 9" x 48" Aluminum Engineer Grade Traffic Sign	60.14	14.13
For Hi-Intensity Grade, Add	9.56	
10 14 53 00-0018 EA 12" x 12" Aluminum Engineer Grade Traffic Sign	37.23	13.29
For Hi-Intensity Grade, Add	3.19	
10 14 53 00-0019 EA 12" x 18" Aluminum Engineer Grade Traffic Sign	44.20	14.13
For Hi-Intensity Grade, Add	4.78	
10 14 53 00-0020 EA 12" x 24" Aluminum Engineer Grade Traffic Sign	49.51	14.13
For Hi-Intensity Grade, Add	6.38	
10 14 53 00-0021 EA 12" x 30" Aluminum Engineer Grade Traffic Sign	54.83	14.13
For Hi-Intensity Grade, Add	7.97	
10 14 53 00-0022 EA 12" x 36" Aluminum Engineer Grade Traffic Sign	60.14	14.13
For Hi-Intensity Grade, Add	9.56	
10 14 53 00-0023 EA 18" x 18" Aluminum Engineer Grade Traffic Sign	52.17	14.13
For Hi-Intensity Grade, Add	7.17	
10 14 53 00-0024 EA 18" x 24" Aluminum Engineer Grade Traffic Sign	60.14	14.13
For Hi-Intensity Grade, Add	9.56	
10 14 53 00-0025 EA 18" x 30" Aluminum Engineer Grade Traffic Sign	69.77	14.96
For Hi-Intensity Grade, Add	11.96	
10 14 53 00-0026 EA 18" x 36" Aluminum Engineer Grade Traffic Sign	77.74	14.96
For Hi-Intensity Grade, Add	14.35	
10 14 53 00-0027 EA 18" x 48" Aluminum Engineer Grade Traffic Sign	100.33	18.28
For Hi-Intensity Grade, Add	19.13	
10 14 53 00-0028 EA 18" x 54" Aluminum Engineer Grade Traffic Sign	108.30	18.28
For Hi-Intensity Grade, Add	21.52	
10 14 53 00-0029 EA 24" x 24" Aluminum Engineer Grade Traffic Sign	72.43	14.96
For Hi-Intensity Grade, Add	12.75	
10 14 53 00-0030 EA 24" x 30" Aluminum Engineer Grade Traffic Sign	83.06	14.96
For Hi-Intensity Grade, Add	15.94	
10 14 53 00-0031 EA 24" x 36" Aluminum Engineer Grade Traffic Sign	93.68	14.96
For Hi-Intensity Grade, Add	19.13	
10 14 53 00-0032 EA 24" x 42" Aluminum Engineer Grade Traffic Sign	110.96	18.28
For Hi-Intensity Grade, Add	22.32	
10 14 53 00-0033 EA 24" x 48" Aluminum Engineer Grade Traffic Sign	121.59	18.28
For Hi-Intensity Grade, Add	25.51	
10 14 53 00-0034 EA 24" x 54" Aluminum Engineer Grade Traffic Sign	132.21	18.28
For Hi-Intensity Grade, Add	28.69	
10 14 53 00-0035 EA 24" x 60" Aluminum Engineer Grade Traffic Sign	142.84	18.28
For Hi-Intensity Grade, Add	31.88	
10 14 53 00-0036 EA 30" x 30" Aluminum Engineer Grade Traffic Sign	96.34	14.96
For Hi-Intensity Grade, Add	19.93	
10 14 53 00-0037 EA 30" x 36" Aluminum Engineer Grade Traffic Sign	116.27	18.28
For Hi-Intensity Grade, Add	23.91	
10 14 53 00-0038 EA 30" x 42" Aluminum Engineer Grade Traffic Sign	129.56	18.28
For Hi-Intensity Grade, Add	27.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0039 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	149.49 31.88	21.61
10 14 53 00-0040 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	182.70 39.85	24.93
10 14 53 00-0041 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	132.21 28.69	18.28
10 14 53 00-0042 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	154.81 33.48	21.61
10 14 53 00-0043 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	177.39 38.26	24.93
10 14 53 00-0044 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	193.33 43.04	24.93
10 14 53 00-0045 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	215.93 47.82	28.26
10 14 53 00-0046 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	257.12 58.19	31.58
10 14 53 00-0047 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	270.40 62.17	31.58
10 14 53 00-0048 EA 36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	360.07 86.08	36.57
10 14 53 00-0049 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	180.04 39.05	24.93
10 14 53 00-0050 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	226.56 51.01	28.26
10 14 53 00-0051 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	254.46 57.39	31.58
10 14 53 00-0052 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	275.71 63.76	31.58
10 14 53 00-0053 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	306.94 70.14	36.57
10 14 53 00-0054 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	328.19 76.52	36.57
10 14 53 00-0055 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	377.35 89.27	39.89
10 14 53 00-0056 EA 48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	419.86 102.02	39.89
10 14 53 00-0057 EA 48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	441.11 108.40	39.89
10 14 53 00-0058 EA 48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	465.69 114.77	41.56
10 14 53 00-0059 EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	398.61 95.65	39.89
10 14 53 00-0060 EA 72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	871.54 229.55	53.19
10 14 53 00-0061 EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	635.72 165.78	41.56
10 14 53 00-0062 Non-Reflectorized Traffic Signs <small>(10 14 53 00-0001)</small> Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs <small>(10 14 53 00-0062)</small>		
10 14 53 00-0064 EA 6" x 12" Steel Non Reflectorized Traffic Sign	31.19	13.29
10 14 53 00-0065 EA 6" x 18" Steel Non Reflectorized Traffic Sign	33.49	13.29
10 14 53 00-0066 EA 9" x 12" Steel Non Reflectorized Traffic Sign	33.49	13.29
10 14 53 00-0067 EA 9" x 15" Steel Non Reflectorized Traffic Sign	35.21	13.29
10 14 53 00-0068 EA 9" x 18" Steel Non Reflectorized Traffic Sign	36.94	13.29
10 14 53 00-0069 EA 9" x 24" Steel Non Reflectorized Traffic Sign	42.04	14.13
10 14 53 00-0070 EA 9" x 48" Steel Non Reflectorized Traffic Sign	55.82	14.13
10 14 53 00-0071 EA 12" x 12" Steel Non Reflectorized Traffic Sign	35.79	13.29
10 14 53 00-0072 EA 12" x 18" Steel Non Reflectorized Traffic Sign	42.04	14.13
10 14 53 00-0073 EA 12" x 24" Steel Non Reflectorized Traffic Sign	46.63	14.13
10 14 53 00-0074 EA 12" x 30" Steel Non Reflectorized Traffic Sign	51.23	14.13
10 14 53 00-0075 EA 12" x 36" Steel Non Reflectorized Traffic Sign	55.82	14.13
10 14 53 00-0076 EA 18" x 18" Steel Non Reflectorized Traffic Sign	48.93	14.13
10 14 53 00-0077 EA 18" x 24" Steel Non Reflectorized Traffic Sign	55.82	14.13
10 14 53 00-0078 EA 18" x 30" Steel Non Reflectorized Traffic Sign	64.37	14.96
10 14 53 00-0079 EA 18" x 36" Steel Non Reflectorized Traffic Sign	71.26	14.96
10 14 53 00-0080 EA 18" x 48" Steel Non Reflectorized Traffic Sign	91.69	18.28
10 14 53 00-0081 EA 18" x 54" Steel Non Reflectorized Traffic Sign	98.58	18.28
10 14 53 00-0082 EA 24" x 24" Steel Non Reflectorized Traffic Sign	66.67	14.96
10 14 53 00-0083 EA 24" x 30" Steel Non Reflectorized Traffic Sign	75.86	14.96
10 14 53 00-0084 EA 24" x 36" Steel Non Reflectorized Traffic Sign	85.04	14.96
10 14 53 00-0085 EA 24" x 42" Steel Non Reflectorized Traffic Sign	100.88	18.28
10 14 53 00-0086 EA 24" x 48" Steel Non Reflectorized Traffic Sign	110.07	18.28
10 14 53 00-0087 EA 24" x 54" Steel Non Reflectorized Traffic Sign	119.25	18.28
10 14 53 00-0088 EA 24" x 60" Steel Non Reflectorized Traffic Sign	128.44	18.28
10 14 53 00-0089 EA 30" x 30" Steel Non Reflectorized Traffic Sign	87.34	14.96
10 14 53 00-0090 EA 30" x 36" Steel Non Reflectorized Traffic Sign	105.47	18.28
10 14 53 00-0091 EA 30" x 42" Steel Non Reflectorized Traffic Sign	116.96	18.28
10 14 53 00-0092 EA 30" x 48" Steel Non Reflectorized Traffic Sign	135.09	21.61
10 14 53 00-0093 EA 30" x 60" Steel Non Reflectorized Traffic Sign	164.70	24.93



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0094 EA 36" x 36" Steel Non ReflectORIZED Traffic Sign.....	119.25	18.28
10 14 53 00-0095 EA 36" x 42" Steel Non ReflectORIZED Traffic Sign.....	139.69	21.61
10 14 53 00-0096 EA 36" x 48" Steel Non ReflectORIZED Traffic Sign.....	160.11	24.93
10 14 53 00-0097 EA 36" x 54" Steel Non ReflectORIZED Traffic Sign.....	173.89	24.93
10 14 53 00-0098 EA 36" x 60" Steel Non ReflectORIZED Traffic Sign.....	194.33	28.26
10 14 53 00-0099 EA 36" x 73" Steel Non ReflectORIZED Traffic Sign.....	230.84	31.58
10 14 53 00-0100 EA 36" x 78" Steel Non ReflectORIZED Traffic Sign.....	242.32	31.58
10 14 53 00-0101 EA 36" x 108" Steel Non ReflectORIZED Traffic Sign.....	321.19	36.57
10 14 53 00-0102 EA 42" x 42" Steel Non ReflectORIZED Traffic Sign.....	162.40	24.93
10 14 53 00-0103 EA 48" x 48" Steel Non ReflectORIZED Traffic Sign.....	203.52	28.26
10 14 53 00-0104 EA 48" x 54" Steel Non ReflectORIZED Traffic Sign.....	228.54	31.58
10 14 53 00-0105 EA 48" x 60" Steel Non ReflectORIZED Traffic Sign.....	246.91	31.58
10 14 53 00-0106 EA 48" x 66" Steel Non ReflectORIZED Traffic Sign.....	275.26	36.57
10 14 53 00-0107 EA 48" x 72" Steel Non ReflectORIZED Traffic Sign.....	293.63	36.57
10 14 53 00-0108 EA 48" x 84" Steel Non ReflectORIZED Traffic Sign.....	337.03	39.89
10 14 53 00-0109 EA 48" x 96" Steel Non ReflectORIZED Traffic Sign.....	373.78	39.89
10 14 53 00-0110 EA 48" x 102" Steel Non ReflectORIZED Traffic Sign.....	392.15	39.89
10 14 53 00-0111 EA 48" x 108" Steel Non ReflectORIZED Traffic Sign.....	413.85	41.56
10 14 53 00-0112 EA 60" x 72" Steel Non ReflectORIZED Traffic Sign.....	355.41	39.89
10 14 53 00-0113 EA 72" x 144" Steel Non ReflectORIZED Traffic Sign.....	767.86	53.19
10 14 53 00-0114 EA 78" x 96" Steel Non ReflectORIZED Traffic Sign.....	560.84	41.56

10 14 53 00-0115 Aluminum Non-ReflectORIZED Traffic Signs (10 14 53 00-0062)

10 14 53 00-0116 EA 6" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	31.38	13.29
10 14 53 00-0117 EA 6" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	33.77	13.29
10 14 53 00-0118 EA 9" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	33.77	13.29
10 14 53 00-0119 EA 9" x 15" Aluminum Non ReflectORIZED Traffic Sign.....	35.56	13.29
10 14 53 00-0120 EA 9" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	37.36	13.29
10 14 53 00-0121 EA 9" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	42.60	14.13
10 14 53 00-0122 EA 9" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	56.94	14.13
10 14 53 00-0123 EA 12" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	36.16	13.29
10 14 53 00-0124 EA 12" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	42.60	14.13
10 14 53 00-0125 EA 12" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	47.38	14.13
10 14 53 00-0126 EA 12" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	52.16	14.13
10 14 53 00-0127 EA 12" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	56.94	14.13
10 14 53 00-0128 EA 18" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	49.77	14.13
10 14 53 00-0129 EA 18" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	56.94	14.13
10 14 53 00-0130 EA 18" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	65.78	14.96
10 14 53 00-0131 EA 18" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	72.95	14.96
10 14 53 00-0132 EA 18" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	93.94	18.28
10 14 53 00-0133 EA 18" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	101.11	18.28
10 14 53 00-0134 EA 24" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	68.17	14.96
10 14 53 00-0135 EA 24" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	77.73	14.96
10 14 53 00-0136 EA 24" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	87.29	14.96
10 14 53 00-0137 EA 24" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	103.50	18.28
10 14 53 00-0138 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	113.06	18.28
10 14 53 00-0139 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	122.62	18.28
10 14 53 00-0140 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	132.19	18.28
10 14 53 00-0141 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	89.68	14.96
10 14 53 00-0142 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	108.28	18.28
10 14 53 00-0143 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	120.23	18.28
10 14 53 00-0144 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	138.84	21.61
10 14 53 00-0145 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	169.38	24.93
10 14 53 00-0146 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	122.62	18.28
10 14 53 00-0147 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	143.62	21.61
10 14 53 00-0148 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	164.60	24.93
10 14 53 00-0149 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	178.94	24.93
10 14 53 00-0150 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	199.94	28.26
10 14 53 00-0151 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	237.67	31.58
10 14 53 00-0152 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	249.62	31.58
10 14 53 00-0153 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	331.30	36.57
10 14 53 00-0154 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	166.99	24.93
10 14 53 00-0155 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	209.51	28.26
10 14 53 00-0156 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	235.28	31.58
10 14 53 00-0157 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	254.40	31.58
10 14 53 00-0158 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	283.50	36.57
10 14 53 00-0159 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	302.62	36.57
10 14 53 00-0160 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	347.51	39.89
10 14 53 00-0161 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	385.76	39.89
10 14 53 00-0162 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	404.88	39.89
10 14 53 00-0163 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	427.33	41.56
10 14 53 00-0164 EA 60" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	366.64	39.89
10 14 53 00-0165 EA 72" x 144" Aluminum Non ReflectORIZED Traffic Sign.....	794.82	53.19
10 14 53 00-0166 EA 78" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	580.31	41.56

10 14 53 00-0167 Aluminum Street Signs (10 14 53 00-0001)

Note: Excludes posts.

10 14 53 00-0168 Aluminum Engineer Grade Street Signs (10 14 53 00-0167)

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0169 EA 6" High, Aluminum Engineer Grade Street Sign	57.23	6.65
10 14 53 00-0170 EA 8" High, Aluminum Engineer Grade Street Sign	64.99	6.65
10 14 53 00-0171 EA 9" High, Aluminum Engineer Grade Street Sign	70.77	6.65
10 14 53 00-0172 Street Sign Accessories <small>(10 14 53 00-0167)</small>		
10 14 53 00-0173 EA Post Cap And Single Bracket For Street Sign.....	17.22	3.32
10 14 53 00-0174 EA Post Cap And Double Bracket For Street Sign	17.22	3.32
10 14 53 00-0175 Sign Posts <small>(10 14 53 00-0001)</small>		
Note: Excludes sign. See CSI section 32 31 13 00-0001 for auguring of holes and backfill.		
10 14 53 00-0176 U-Channel Sign Posts <small>(10 14 53 00-0175)</small>		
Note: Excludes digging and concrete.		
10 14 53 00-0177 Baked Enamel U-Channel Sign Posts <small>(10 14 53 00-0176)</small>		
10 14 53 00-0178 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	45.47	13.56
10 14 53 00-0179 EA 6' Baked Enamel U-Channel Sign Post.....	59.71	16.96
10 14 53 00-0180 EA 7' Baked Enamel U-Channel Sign Post.....	71.28	20.35
10 14 53 00-0181 EA 8' Baked Enamel U-Channel Sign Post.....	83.47	23.73
10 14 53 00-0182 EA 10' Baked Enamel U-Channel Sign Post.....	100.71	28.83
10 14 53 00-0183 EA 12' Baked Enamel U-Channel Sign Post.....	103.65	28.83
10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts <small>(10 14 53 00-0176)</small>		
10 14 53 00-0185 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	49.25	13.56
10 14 53 00-0186 EA 6' Galvanized Steel U-Channel Sign Post.....	65.71	16.96
10 14 53 00-0187 EA 7' Galvanized Steel U-Channel Sign Post.....	84.85	20.35
10 14 53 00-0188 EA 8' Galvanized Steel U-Channel Sign Post.....	98.47	23.73
10 14 53 00-0189 EA 10' Galvanized Steel U-Channel Sign Post.....	111.63	28.83
10 14 53 00-0190 EA 12' Galvanized Steel U-Channel Sign Post.....	113.15	28.83
10 14 53 00-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts <small>(10 14 53 00-0176)</small>		
10 14 53 00-0192 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	44.58	13.56
10 14 53 00-0193 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	57.77	16.96
10 14 53 00-0194 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	68.94	20.35
10 14 53 00-0195 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	80.68	23.73
10 14 53 00-0196 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	95.65	28.83
10 14 53 00-0197 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	100.65	28.83
10 14 53 00-0198 Tubular Sign Posts <small>(10 14 53 00-0175)</small>		
Note: Excludes digging and concrete.		
10 14 53 00-0199 2-3/8" Diameter, Galvanized Steel Tubular Sign Post <small>(10 14 53 00-0198)</small>		
10 14 53 00-0200 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	66.33	16.96
10 14 53 00-0201 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	78.69	20.35
10 14 53 00-0202 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	92.97	23.73
10 14 53 00-0203 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	119.84	28.83
10 14 53 00-0204 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	130.14	28.83
10 14 53 00-0205 Square Sign Posts <small>(10 14 53 00-0175)</small>		
Note: Excludes digging and concrete.		
10 14 53 00-0206 Galvanized Steel Square Sign Posts <small>(10 14 53 00-0205)</small>		
10 14 53 00-0207 EA 3' To 4' Galvanized Steel Square Sign Post Base	50.09	13.56
10 14 53 00-0208 EA 6' Galvanized Steel Square Sign Post	79.92	16.96
10 14 53 00-0209 EA 7' Galvanized Steel Square Sign Post	93.69	20.35
10 14 53 00-0210 EA 8' Galvanized Steel Square Sign Post	109.29	23.73
10 14 53 00-0211 EA 10' Galvanized Steel Square Sign Post	133.46	28.83
10 14 53 00-0212 EA 12' Galvanized Steel Square Sign Post	140.65	28.83
10 14 53 00-0213 Sign Post Accessories <small>(10 14 53 00-0001)</small>		
10 14 53 00-0214 Sign Post Brackets <small>(10 14 53 00-0213)</small>		
10 14 53 00-0215 EA 2-3/8" Outside Diameter, Single Sign Bracket Set.....	22.66	4.99
10 14 53 00-0216 EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	40.91	8.31
10 14 53 00-0217 EA 10 cm - 37 cm Diameter, Buckle Bracket Set	35.28	6.65
10 14 53 00-0218 Sign Post Caps <small>(10 14 53 00-0213)</small>		
10 14 53 00-0219 EA Traffic Sign Post Cap	12.54	3.32
10 14 53 00-0220 Sign Post Replacement Bolts <small>(10 14 53 00-0213)</small>		
10 14 53 00-0221 EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	8.64	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 00-0222	Removal Of Signs <small>(10 14 53)</small>		
	Note: Includes structural supports.		
10 14 53 00-0223	EA >4 To 10 SF Sign Area, Sign Removal.....	132.98	
10 14 53 00-0224	EA >10 To 20 SF Sign Area, Sign Removal.....	319.15	
10 14 53 00-0225	EA >20 To 40 SF Sign Area, Sign Removal.....	478.72	
10 14 53 00-0226	EA >40 To 100 SF Sign Area, Sign Removal.....	772.60	

10 14 53 00-0227	Remove And Reinstall Signs <small>(10 14 53)</small>		
	Note: Includes structural supports.		
10 14 53 00-0228	EA >4 To 10 SF Sign Area, Remove And Reinstall Sign.....	202.76	
10 14 53 00-0229	EA >10 To 20 SF Sign Area, Remove And Reinstall Sign.....	481.07	
10 14 53 00-0230	EA >20 SF To 40 SF Sign Area, Remove And Reinstall Sign.....	720.08	
10 14 53 00-0231	EA >40 SF To 100 SF Sign Area, Remove And Reinstall Sign.....	1,160.76	
10 14 53 00-0232	EA Remove And Reinstall Street Sign On Post.....	76.46	
10 14 53 00-0233	EA Remove And Relocate Traffic Light.....	262.99	
	Note: Excludes electrical hookup.		

10 14 56 Bridge Signage (10 14)

10 14 56 00-0001	Bridge And Truss Mounted Signs <small>(10 14 56)</small>		
10 14 56 00-0002	Demolition <small>(10 14 56 00-0001)</small>		
10 14 56 00-0003	CF Removal Of Foundation, Including Excavation.....	12.37	
10 14 56 00-0004	LF Removal Of Truss And Supports.....	164.71	
10 14 56 00-0005	SF Removal Of Sign Face.....	7.53	
10 14 56 00-0006	SF Removal Of Legend.....	12.55	
10 14 56 00-0007	EA Removal Of Changeable Message Panel.....	144.80	
10 14 56 00-0008	EA Removal Of Posts And Supports, Per Post.....	75.30	

10 14 56 00-0009 **Fabricate And Install New Reflective Messages On Sign Face** (10 14 56 00-0001)

10 14 56 00-0010	One Color/3 Dimensional Demountable Letters <small>(10 14 56 00-0009)</small>		
10 14 56 00-0011	EA 6" Capital Height Letter.....	23.35	
10 14 56 00-0012	EA 8" Capital Height Letter.....	27.75	
10 14 56 00-0013	EA 10" Capital Height Letter.....	32.12	
10 14 56 00-0014	EA 12" Capital Height Letter.....	36.12	
10 14 56 00-0015	EA 14" Capital Height Letter.....	38.64	

10 14 56 00-0016 **Two Color Legend Shields-Die Cut Vinyl Engineer Grade** (10 14 56 00-0009)

10 14 56 00-0017	EA 6" Legend/Shields.....	24.20	
10 14 56 00-0018	EA 8" Legend/Shields.....	28.88	
10 14 56 00-0019	EA 10" Legend/Shields.....	33.53	
10 14 56 00-0020	EA 12" Legend/Shields.....	37.81	
10 14 56 00-0021	EA 14" Legend/Shields.....	40.63	

10 17 Telephone Specialties (10 10)

10 17 16 Telephone Enclosures (10 17)

10 17 16 13 Telephone Stalls (10 17 16)

10 17 16 13-0001	EA Shelf Type, Wall Hung, Average.....	1,893.10	121.02
10 17 16 13-0002	EA Booth Type, Painted Steel, Indoor Or Outdoor.....	5,558.51	403.55
10 17 16 13-0003	EA Booth Type, Stainless Steel, Indoor Or Outdoor.....	15,906.74	403.55
10 17 16 13-0004	EA Outdoor, Acoustical, On Post.....	1,841.77	201.59
10 17 16 13-0005	EA Phone Carousel, Pedestal Mounted With Dividers.....	7,165.48	832.36
10 17 16 13-0006	EA Outdoor Drive-up Type, Wall Mounted.....	1,201.67	151.28
10 17 16 13-0007	EA Outdoor Drive-up Type, Post Mounted, Stainless Steel.....	1,786.61	198.56
10 17 16 13-0008	EA Telephone Enclosure, Booth Type, Indoor, Stainless Steel 42" High x 26-1/4" Wide x 15-3/16" Deep, Bronze Powder Coated Steel Exterior.....	11,793.95	404.07
10 17 16 13-0009	EA Telephone Enclosure, Booth Type, Painted Steel, Indoor Or Outdoor (Stainless Steel).....	18,040.38	404.07
10 17 16 13-0010	EA Telephone Enclosure, Outdoor, Phone Carousel, Pedestal Mounted With Dividers.....	7,999.44	1,005.88

10 17 19 Telephone Shelving (10 17)

10 17 19 00-0001	EA 3 Binder Directory Shelf.....	1,291.68	75.64
10 17 19 00-0002	EA Directory Shelf, Wall Mounted, Stainless Steel, 3 Binders.....	1,686.01	75.64
10 17 19 00-0003	EA Directory Shelf, Wall Mounted, Stainless Steel, 4 Binders.....	1,935.27	86.61
10 17 19 00-0004	EA Directory Shelf, Wall Mounted, Stainless Steel, 5 Binders.....	2,333.61	100.98
10 17 19 00-0005	EA Directory Shelf, Table Type, Stainless Steel, 4 Binders.....	2,036.54	75.64
10 17 19 00-0006	EA Directory Shelf, Table Type, Stainless Steel, 7 Binders.....	2,494.22	86.61

10 20 Interior Specialties (10)

10 21 Compartments And Cubicles (10 20)

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
10 21 13 Toilet Compartments (10 21)**10 21 13 13 Metal Toilet Compartments (10 21 13)**

10 21 13 13-0001	EA	Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002	EA	Enamel Coated Steel Toilet Partitions (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0003	EA	Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)		
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	650.56	85.10
		<i>For >10, Deduct</i>	-48.04	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	785.49	92.66
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	838.60	96.44
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0007	EA	Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Includes headrail.		
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	679.24	104.00
		<i>For >10, Deduct</i>	-47.12	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	787.94	111.58
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	832.59	115.35
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0011	EA	Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	801.71	122.91
		<i>For >10, Deduct</i>	-55.59	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	933.11	130.48
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	979.73	134.26
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0015	EA	Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	777.71	141.83
		<i>For >10, Deduct</i>	-49.41	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	930.89	149.39
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	982.69	153.18
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0019	EA	Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0020	EA	Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	345.46	52.93
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	382.70	56.71
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	421.05	60.49
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0024	EA	Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	197.98	45.37
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	213.54	49.15
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0027 EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	225.65 25.12	52.93
10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0029 EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	254.56 25.12	49.15
10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0031 EA 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	284.27 25.12	49.15
10 21 13 13-0032 EA 24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	303.24 25.12	52.93
10 21 13 13-0033 EA 30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	322.21 25.12	56.71
10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0035 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	320.36 25.12	52.93
10 21 13 13-0036 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	343.89 25.12	56.71
10 21 13 13-0037 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	379.98 25.12	60.49
10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001) Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)		
10 21 13 13-0040 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	203.68 40.42	15.13
10 21 13 13-0041 EA 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	208.25 40.42	15.13
10 21 13 13-0042 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	220.79 40.42	16.26
10 21 13 13-0043 EA 34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	241.33 40.42	16.26
10 21 13 13-0044 EA 36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	245.90 40.42	16.26
10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)		
10 21 13 13-0046 EA 6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	148.08 25.12	22.69
10 21 13 13-0047 EA 12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	163.27 25.12	24.58
10 21 13 13-0048 EA 18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	178.46 25.12	26.48
10 21 13 13-0049 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	193.65 25.12	28.37
10 21 13 13-0050 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.85 25.12	30.25
10 21 13 13-0051 EA 36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	224.03 25.12	32.15
10 21 13 13-0052 EA 42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	238.09 25.12	34.04
10 21 13 13-0053 EA 48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	253.28 25.12	35.93
10 21 13 13-0054 EA 55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	263.90 25.12	37.82
10 21 13 13-0055 EA 58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	269.98 42.00 25.12	38.58
10 21 13 13-0056 EA 60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	277.95 42.00 25.12	39.71
10 21 13 13-0057 EA 70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	303.42 42.00 25.12	41.60
10 21 13 13-0058 EA 78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	325.46 42.00 25.12	43.50
10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0060 EA Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	111.69 25.12	11.35
10 21 13 13-0061 EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	123.46 25.12	13.23

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0062	EA		6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	136.36	15.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0063	EA		8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	158.41	17.02
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	179.30	18.91
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	200.20	20.81
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	257.62	22.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	295.63	24.58
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	317.66	26.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0069			82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	90.01	11.35
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	98.36	13.23
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	107.84	15.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	121.90	17.02
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	134.80	18.91
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	148.85	20.81
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	183.45	22.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	206.63	24.58
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	220.68	26.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0079			96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	124.95	15.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	136.73	17.02
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	149.64	18.91
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	171.67	20.81
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	192.58	22.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	213.47	24.58
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	270.88	26.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	308.89	28.37
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	330.94	30.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0089			Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 13)		
			Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 13-0090			Stainless Steel Toilet Partitions (10 21 13 13-0089)		
10 21 13 13-0091			Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 13-0090)		
10 21 13 13-0092	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,892.20	85.10
			<i>For >10, Deduct</i>	-172.20	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For Diamond Pattern Finish, Add</i>	602.70	
10 21 13 13-0093	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,289.23	92.66
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For Diamond Pattern Finish, Add</i>	736.37	
10 21 13 13-0094	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,398.01	96.44
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For Diamond Pattern Finish, Add</i>	771.79	
10 21 13 13-0095			Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 13-0090)		
			Note: Includes headrail.		



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0096 EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,587.86 -137.99 90.66 482.95	104.00
10 21 13 13-0097 EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,939.49 90.66 600.72	111.58
10 21 13 13-0098 EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,116.24 90.66 659.94	115.35
10 21 13 13-0099 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 13-0090)</small> Note: Excludes above ceiling steel.		
10 21 13 13-0100 EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,208.81 -196.30 90.66 687.04	122.91
10 21 13 13-0101 EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,369.65 90.66 738.04	130.48
10 21 13 13-0102 EA 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,481.65 90.66 774.59	134.26
10 21 13 13-0103 Ceiling Hung, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 13-0090)</small> Note: Excludes above ceiling steel.		
10 21 13 13-0104 EA 36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,202.77 -191.91 90.66 671.69	141.83
10 21 13 13-0105 EA 60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,691.51 90.66 837.46	149.39
10 21 13 13-0106 EA 60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,831.94 90.66 883.96	153.18
10 21 13 13-0107 Stainless Steel Urinal Screens <small>(10 21 13 13-0089)</small>		
10 21 13 13-0108 Floor Anchored, Stainless Steel, Urinal Screens <small>(10 21 13 13-0107)</small>		
10 21 13 13-0109 EA 24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	613.51 25.12 177.68	52.93
10 21 13 13-0110 EA 36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	695.89 25.12 203.86	56.71
10 21 13 13-0111 EA 48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	709.57 25.12 206.01	60.49
10 21 13 13-0112 Wall Hung, Stainless Steel, Urinal Screens <small>(10 21 13 13-0107)</small>		
10 21 13 13-0113 EA 18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	450.89 25.12 126.06	45.37
10 21 13 13-0114 EA 24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	487.87 25.12 136.35	49.15
10 21 13 13-0115 EA 30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	532.93 25.12 149.48	52.93
10 21 13 13-0116 Wall Hung And Post Supported, Stainless Steel, Urinal Screens <small>(10 21 13 13-0107)</small>		
10 21 13 13-0117 EA 18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	742.84 25.12 225.59	49.15
10 21 13 13-0118 EA 24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	777.95 25.12 235.24	52.93
10 21 13 13-0119 EA 30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	812.89 25.12 244.82	56.71
10 21 13 13-0120 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens <small>(10 21 13 13-0107)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0121 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	613.51 25.12 177.68	52.93
10 21 13 13-0122 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	695.88 25.12 203.86	56.71
10 21 13 13-0123 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	781.76 25.12 231.28	60.49
10 21 13 13-0124 Stainless Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 13-0089)</small> See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0125 Stainless Steel, Toilet Partition Doors <small>(10 21 13 13-0124)</small>		
10 21 13 13-0126 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	414.28 40.42 134.41	15.13
10 21 13 13-0127 EA 26" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	474.93 40.42 155.64	15.13
10 21 13 13-0128 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	487.13 40.42 158.58	17.02
10 21 13 13-0129 EA 34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	504.63 40.42 164.71	17.02
10 21 13 13-0130 EA 36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	509.51 40.42 166.41	17.02
10 21 13 13-0131 Stainless Steel, Toilet Partition Panels <small>(10 21 13 13-0124)</small>		
10 21 13 13-0132 EA 6" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	353.54 25.12 107.85	22.69
10 21 13 13-0133 EA 12" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	392.91 25.12 120.31	24.58
10 21 13 13-0134 EA 18" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	409.00 25.12 124.62	26.48
10 21 13 13-0135 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	427.41 25.12 129.74	28.37
10 21 13 13-0136 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	458.85 25.12 139.42	30.25
10 21 13 13-0137 EA 36" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	495.53 25.12 150.93	32.15
10 21 13 13-0138 EA 42" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	581.40 25.12 179.66	34.04
10 21 13 13-0139 EA 48" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	637.19 25.12 197.87	35.93
10 21 13 13-0140 EA 55" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	653.29 25.12 202.18	37.82
10 21 13 13-0141 EA 58" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	686.28 25.12 213.20	38.58
10 21 13 13-0142 EA 60" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	729.62 25.12 227.57	39.71
10 21 13 13-0143 EA 70" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	764.50 25.12 238.45	41.60
10 21 13 13-0144 EA 78" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	839.85 25.12 263.50	43.50
10 21 13 13-0145 70" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 13-0124)</small>		
10 21 13 13-0146 EA Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	247.18 25.12 78.57	11.35
10 21 13 13-0147 EA 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	268.76 25.12 84.80	13.23
10 21 13 13-0148 EA 6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	291.70 25.12 91.51	15.13



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	13-0149	EA 8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	332.45 25.12 104.44	17.02
10 21	13	13-0150	EA 10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	373.19 25.12 117.38	18.91
10 21	13	13-0151	EA 12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	413.92 25.12 130.31	20.81
10 21	13	13-0152	EA 18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	527.22 25.12 168.64	22.69
10 21	13	13-0153	EA 22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	604.92 25.12 194.51	24.58
10 21	13	13-0154	EA 24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	645.66 25.12 207.45	26.48
10 21 13 13-0155 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 13-0124)					
10 21	13	13-0156	EA Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	187.69 25.12 57.75	11.35
10 21	13	13-0157	EA 5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	202.77 25.12 61.70	13.23
10 21	13	13-0158	EA 6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	218.41 25.12 65.86	15.13
10 21	13	13-0159	EA 8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	284.83 25.12 87.78	17.02
10 21	13	13-0160	EA 10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	321.61 25.12 99.33	18.91
10 21	13	13-0161	EA 12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	332.23 25.12 101.72	20.81
10 21	13	13-0162	EA 18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	376.88 25.12 116.02	22.69
10 21	13	13-0163	EA 22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	425.60 25.12 131.75	24.58
10 21	13	13-0164	EA 24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	451.67 25.12 139.55	26.48
10 21 13 13-0165 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 13-0124)					
10 21	13	13-0166	EA Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	269.80 25.12 83.84	15.13
10 21	13	13-0167	EA 5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	295.49 25.12 91.51	17.02
10 21	13	13-0168	EA 6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	319.80 25.12 98.69	18.91
10 21	13	13-0169	EA 8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	367.38 25.12 114.02	20.81
10 21	13	13-0170	EA 10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	413.61 25.12 128.88	22.69
10 21	13	13-0171	EA 12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	459.82 25.12 143.73	24.58
10 21	13	13-0172	EA 18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	593.64 25.12 189.24	26.48
10 21	13	13-0173	EA 22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	682.29 25.12 218.95	28.37
10 21	13	13-0174	EA 24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	729.88 25.12 234.28	30.25

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)

10	10 Specialties
	10 20 Interior Specialties
	10 21 Compartments And Cubicles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens <small>(10 21 13 16)</small>		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002 Laminated Plastic Toilet Partitions <small>(10 21 13 16-0001)</small>		
Note: Includes all standard Bobrick colors.		
10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004 EA 36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	612.24	85.10
<i>For >10, Deduct</i>		
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0005 EA 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	740.54	92.66
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0006 EA 60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	794.59	96.44
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
Note: Includes headrail.		
10 21 13 16-0008 EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	671.63	104.00
<i>For >10, Deduct</i>		
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0009 EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	805.33	111.58
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0010 EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	863.41	115.35
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
Note: Excludes above ceiling steel.		
10 21 13 16-0012 EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	900.07	141.83
<i>For >10, Deduct</i>		
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,037.93	149.39
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,091.97	153.18
<i>For Cast Stainless Steel Hardware, Add</i>		
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>		
10 21 13 16-0015 Laminated Plastic Urinal Screens <small>(10 21 13 16-0001)</small>		
Note: Includes all standard Bobrick colors.		
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	270.71	52.93
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	294.45	56.71
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	305.18	60.49
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	213.44	45.37
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	225.63	49.15
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	237.38	52.93
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	275.06	49.15
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	301.05	52.93
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>		



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	328.99 25.12	56.71
10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	256.70 25.12	49.15
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	280.89 25.12	52.93
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	291.36 25.12	56.71
10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001)		
Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	193.67 40.42	15.13
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	209.55 40.42	15.13
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	217.67 40.42	17.02
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	222.58 40.42	17.02
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	227.20 40.42	17.02
10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)		
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	109.75 25.12	22.69
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	121.02 25.12	24.58
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	132.28 25.12	26.48
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	143.93 25.12	28.37
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	154.82 25.12	30.25
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	166.50 25.12	32.15
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	171.17 25.12	34.04
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	176.38 25.12	35.93
10 21 13 16-0048 EA 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	185.66 25.12	37.82
10 21 13 16-0049 EA 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	192.78 25.12	38.58
10 21 13 16-0050 EA 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	200.97 25.12	39.71
10 21 13 16-0051 EA 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	226.42 25.12	41.60
10 21 13 16-0052 EA 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	255.03 25.12	43.50
10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)		
10 21 13 16-0054 EA Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	84.19 5.07 25.12 61.50	11.35
10 21 13 16-0055 EA 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	97.22 5.84 25.12 70.74	13.23
10 21 13 16-0056 EA 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	100.99 5.84 25.12 70.74	15.13
10 21 13 16-0057 EA 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	111.71 6.41 25.12 77.67	17.02
10 21 13 16-0058 EA 10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	117.51 6.57 25.12 79.69	18.91
10 21 13 16-0059 EA 12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	127.93 7.12 25.12 86.33	20.81

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	160.01 9.46 25.12 114.62	22.69
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	191.51 11.74 25.12 142.34	24.58
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	214.06 13.29 25.12 161.11	26.48
10 21 13 16-0063			83" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	156.95 11.08 25.12 134.26	11.35
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	174.02 12.17 25.12 147.54	13.23
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	177.79 12.17 25.12 147.54	15.13
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	192.84 13.10 25.12 158.80	17.02
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	210.77 14.27 25.12 172.95	18.91
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	225.52 15.17 25.12 183.92	20.81
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	278.25 19.21 25.12 232.86	22.69
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	315.95 22.01 25.12 266.78	24.58
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	325.22 22.46 25.12 272.27	26.48
10 21 13 19			Plastic Toilet Compartments <small>(10 21 13)</small>		
10 21 13 19-0001			Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,097.44 -88.94 90.66 551.45	104.00
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,346.81 90.66 696.68	111.58
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,490.33 90.66 780.97	115.35
10 21 13 19-0007			Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Excludes above ceiling steel.		



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0008 EA 36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,101.56	122.91
<i>For >10, Deduct</i>	-85.57	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	530.55	
10 21 13 19-0009 EA 60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,372.71	130.48
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	689.28	
10 21 13 19-0010 EA 60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,516.23	134.26
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	773.57	
10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0012 EA 36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,158.80	141.83
<i>For >10, Deduct</i>	-87.51	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	542.59	
10 21 13 19-0013 EA 60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,370.04	149.39
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	664.18	
10 21 13 19-0014 EA 60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,513.57	153.18
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	748.48	
10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0001)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0017 EA 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	261.12	45.37
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	105.64	
10 21 13 19-0018 EA 24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	275.40	49.15
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	109.80	
10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020 EA 18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	329.89	49.15
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	143.59	
10 21 13 19-0021 EA 24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	414.64	52.93
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	191.45	
10 21 13 19-0022 EA 30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	460.22	56.71
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	215.02	
10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	337.45	52.93
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	143.59	
10 21 13 19-0025 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	422.20	56.71
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	191.45	
10 21 13 19-0026 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	499.30	60.49
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	234.56	
10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0001)</small>		
Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029 EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	259.18	15.13
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
<i>For NFPA Class A, Add</i>	141.94	
10 21 13 19-0030 EA 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	280.02	15.13
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
<i>For NFPA Class A, Add</i>	154.86	
10 21 13 19-0031 EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	304.49	17.02
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
<i>For NFPA Class A, Add</i>	167.88	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	346.65 40.42 193.82	17.02
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	356.63 40.42 200.01	17.02
10 21 13 19-0034			Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	96.13 25.12 31.46	22.69
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	150.66 25.12 62.92	24.58
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	205.17 25.12 94.38	26.48
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	238.88 25.12 112.93	28.37
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	288.21 25.12 141.17	30.25
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	307.91 25.12 151.04	32.15
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	345.16 25.12 171.79	34.04
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	388.52 25.12 196.33	35.93
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	423.99 25.12 215.98	37.82
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	433.18 25.12 220.74	38.58
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	447.72 25.12 228.35	39.71
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	505.24 25.12 261.66	41.60
10 21 13 19-0047	EA		78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	544.19 25.12 283.46	43.50
10 21 13 19-0048			82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA		Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	120.44 25.12 60.61	11.35
10 21 13 19-0050	EA		5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	134.03 25.12 66.68	13.23
10 21 13 19-0051	EA		6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	145.88 25.12 71.69	15.13
10 21 13 19-0052	EA		8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	156.90 25.12 76.17	17.02
10 21 13 19-0053	EA		10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	176.11 25.12 85.74	18.91
10 21 13 19-0054	EA		12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	195.31 25.12 95.30	20.81
10 21 13 19-0055	EA		18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	266.81 25.12 137.28	22.69
10 21 13 19-0056	EA		22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	301.38 25.12 156.37	24.58
10 21 13 19-0057	EA		24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	328.08 25.12 170.58	26.48
10 21 13 19-0058			96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA		Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	147.32 25.12 72.58	15.13



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0060 EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	162.26 25.12 79.50	17.02
10 21 13 19-0061 EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	178.75 25.12 87.38	18.91
10 21 13 19-0062 EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	202.40 25.12 99.70	20.81
10 21 13 19-0063 EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	226.27 25.12 112.15	22.69
10 21 13 19-0064 EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	249.92 25.12 124.47	24.58
10 21 13 19-0065 EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	319.18 25.12 165.06	26.48
10 21 13 19-0066 EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	356.85 25.12 186.07	28.37
10 21 13 19-0067 EA 24" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	387.92 25.12 202.99	30.25
10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071 EA 36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,408.74 -120.07 90.66 744.45	104.00
10 21 13 19-0072 EA 60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,740.11 90.66 940.52	111.58
10 21 13 19-0073 EA 60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,931.21 90.66 1,054.32	115.35
10 21 13 19-0074 Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075 EA 36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,401.07 -115.52 90.66 716.25	122.91
10 21 13 19-0076 EA 60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,761.81 90.66 930.52	130.48
10 21 13 19-0077 EA 60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,952.92 90.66 1,044.32	134.26
10 21 13 19-0078 Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079 EA 36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,465.10 -118.14 90.66 732.49	141.83

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,744.97	149.39
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	896.64	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,936.09	153.18
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	1,010.44	
10 21 13 19-0082			Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0068)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	320.75	45.37
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	142.61	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	335.20	49.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	146.88	
10 21 13 19-0086			Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	515.16	49.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	258.46	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	585.42	52.93
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	297.33	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	624.16	56.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	316.67	
10 21 13 19-0090			Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0068)</small>		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	418.50	52.93
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	193.84	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	530.28	56.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	258.46	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	631.72	60.49
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	316.67	
10 21 13 19-0094			Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0068)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095			Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	339.31	15.13
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For NFPA Class A, Add</i>	191.62	
10 21 13 19-0097	EA		26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	367.44	15.13
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For NFPA Class A, Add</i>	209.06	
10 21 13 19-0098	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	399.14	17.02
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For NFPA Class A, Add</i>	226.36	
10 21 13 19-0099	EA		34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	456.07	17.02
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For NFPA Class A, Add</i>	261.66	
10 21 13 19-0100	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	469.53	17.02
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For NFPA Class A, Add</i>	270.00	
10 21 13 19-0101			Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102	EA		6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	113.89	22.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	42.47	
10 21 13 19-0103	EA		12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	186.17	24.58
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	84.94	
10 21 13 19-0104	EA		18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	258.45	26.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	127.41	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0105	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	302.62 25.12 152.45	28.37
10 21	13 19-0106	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	367.89 25.12 190.57	30.25
10 21	13 19-0107	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	393.17 25.12 203.91	32.15
10 21	13 19-0108	EA	42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	442.14 25.12 231.92	34.04
10 21	13 19-0109	EA	48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	499.35 25.12 265.04	35.93
10 21	13 19-0110	EA	55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	545.91 25.12 291.57	37.82
10 21	13 19-0111	EA	58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	557.78 25.12 297.99	38.58
10 21	13 19-0112	EA	60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	576.62 25.12 308.26	39.71
10 21	13 19-0113	EA	70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	652.95 25.12 353.24	41.60
10 21	13 19-0114	EA	78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	704.21 25.12 382.68	43.50
10 21	13 19-0115		82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21	13 19-0116	EA	Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	154.65 25.12 81.82	11.35
10 21	13 19-0117	EA	5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	171.67 25.12 90.02	13.23
10 21	13 19-0118	EA	6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	186.35 25.12 96.78	15.13
10 21	13 19-0119	EA	8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	214.98 25.12 112.18	17.02
10 21	13 19-0120	EA	10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	241.50 25.12 126.28	18.91
10 21	13 19-0121	EA	12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	267.98 25.12 140.36	20.81
10 21	13 19-0122	EA	18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	344.30 25.12 185.32	22.69
10 21	13 19-0123	EA	22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	389.65 25.12 211.10	24.58
10 21	13 19-0124	EA	24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	424.38 25.12 230.29	26.48
10 21	13 19-0125		96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21	13 19-0126	EA	Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	188.30 25.12 97.99	15.13
10 21	13 19-0127	EA	5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	207.14 25.12 107.32	17.02
10 21	13 19-0128	EA	6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	228.09 25.12 117.97	18.91
10 21	13 19-0129	EA	8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	258.68 25.12 134.59	20.81
10 21	13 19-0130	EA	10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	289.59 25.12 151.40	22.69
10 21	13 19-0131	EA	12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	320.18 25.12 168.03	24.58

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	412.37 25.12 222.84	26.48
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	461.89 25.12 251.20	28.37
10 21 13 19-0134	EA		24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	502.51 25.12 274.03	30.25
10 21 13 19-0135			Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136			Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0137			Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	897.50 -72.73 90.66 161.24	85.10
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,093.94 90.66 200.08	92.66
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,216.42 90.66 224.59	96.44
10 21 13 19-0141			Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,003.30 -79.53 90.66 177.41	104.00
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,207.33 90.66 217.84	111.58
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,335.59 90.66 243.56	115.35
10 21 13 19-0145			Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,047.33 -80.15 90.66 180.61	122.91
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,249.97 90.66 220.74	130.48
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,372.44 90.66 245.25	134.26
10 21 13 19-0149			Ceiling Hung, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,048.07 -76.44 90.66 174.71	141.83
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,244.37 90.66 213.51	149.39
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,366.85 90.66 238.02	153.18
10 21 13 19-0153			Solid Phenolic Urinal Screens <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0154 Floor Anchored, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0155 EA 24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	342.89	52.93
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	55.07	
10 21 13 19-0156 EA 36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	385.39	56.71
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	62.79	
10 21 13 19-0157 EA 48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	456.76	60.49
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	76.56	
10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0159 EA 18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	227.59	45.37
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	33.28	
10 21 13 19-0160 EA 24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	261.13	49.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	39.11	
10 21 13 19-0161 EA 30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	309.44	52.93
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	48.05	
10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0163 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	233.37	49.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	33.28	
10 21 13 19-0164 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	285.95	52.93
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	43.11	
10 21 13 19-0165 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	330.53	56.71
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	51.27	
10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0167 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	349.00	49.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	57.56	
10 21 13 19-0168 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	391.73	52.93
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	65.33	
10 21 13 19-0169 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	464.41	56.71
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	79.38	
10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0135)</small>		
Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors <small>(10 21 13 19-0170)</small>		
10 21 13 19-0172 EA 24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	237.55	15.13
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	45.05	
10 21 13 19-0173 EA 26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	245.35	15.13
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	46.68	
10 21 13 19-0174 EA 30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	269.14	17.02
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	51.07	
10 21 13 19-0175 EA 34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door.....	289.47	17.02
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	55.34	
10 21 13 19-0176 EA 36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door.....	310.35	17.02
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	59.73	
10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels <small>(10 21 13 19-0170)</small>		
10 21 13 19-0178 EA 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	88.59	22.69
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	11.34	
10 21 13 19-0179 EA 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	113.96	24.58
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	16.06	
10 21 13 19-0180 EA 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	150.12	26.48
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	23.05	
10 21 13 19-0181 EA 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	186.66	28.37
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	30.12	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	207.15 25.12 33.82	30.25
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	228.57 25.12 37.71	32.15
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	264.19 25.12 44.59	34.04
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	300.82 25.12 51.67	35.93
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	320.48 25.12 55.20	37.82
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.21 25.12 56.79	38.58
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	335.81 25.12 57.81	39.71
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	383.48 25.12 67.22	41.60
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	458.29 25.12 82.32	43.50
10 21 13 19-0191			69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	115.95 11.66 25.12 20.72	11.35
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	133.60 13.39 25.12 23.82	13.23
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	137.37 13.39 25.12 24.01	15.13
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	158.77 15.59 25.12 27.90	17.02
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	178.43 17.58 25.12 31.42	18.91
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	198.09 19.56 25.12 34.94	20.81
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	250.67 25.66 25.12 45.38	22.69
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	305.56 32.05 25.12 56.30	24.58
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	321.46 33.56 25.12 59.03	26.48
10 21 13 19-0201			83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0202	EA		Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	126.34 12.96 25.12 22.90	11.35
10 21 13 19-0203	EA		5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	148.03 15.19 25.12 26.85	13.23
10 21 13 19-0204	EA		6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	151.80 15.19 25.12 27.04	15.13
10 21 13 19-0205	EA		8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	175.52 17.69 25.12 31.41	17.02



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	198.06 20.03 25.12 35.54	18.91
10 21	13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	220.76 22.40 25.12 39.70	20.81
10 21	13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	284.45 29.88 25.12 52.47	22.69
10 21	13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	337.18 36.00 25.12 62.94	24.58
10 21	13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	355.11 37.77 25.12 66.10	26.48
10 21	13 19-0211		96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21	13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	144.30 14.26 25.12 25.46	15.13
10 21	13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	170.03 17.00 25.12 30.26	17.02
10 21	13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	173.81 17.00 25.12 30.45	18.91
10 21	13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	199.82 19.78 25.12 35.31	20.81
10 21	13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	225.27 22.49 25.12 40.04	22.69
10 21	13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	250.99 25.23 25.12 44.84	24.58
10 21	13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	325.80 34.11 25.12 59.95	26.48
10 21	13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	376.35 39.95 25.12 69.96	28.37
10 21	13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	396.31 41.97 25.12 73.54	30.25
10 21	13 19-0221		Solid Color Reinforced Composite Toilet Partitions And Urinal Screens <small>(10 21 13 19-0221)</small> <small>Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.</small>		
10 21	13 19-0222		Solid Color Reinforced Composite Toilet Partitions <small>(10 21 13 19-0221)</small> <small>Note: Includes all standard Bobrick colors.</small>		
10 21	13 19-0223		Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
10 21	13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	984.77 -81.46 90.66	85.10
10 21	13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,202.97 90.66	92.66
10 21	13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,339.24 90.66	96.44

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0227			Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0227)</small> Note: Includes headrail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,098.73	104.00
			<i>For >10, Deduct</i>	-89.07	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,325.44	111.58
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,468.18	115.35
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0231			Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,143.51	122.91
			<i>For >10, Deduct</i>	-89.77	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,368.65	130.48
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,504.91	134.26
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0235			Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,139.79	141.83
			<i>For >10, Deduct</i>	-85.61	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,357.84	149.39
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,494.11	153.18
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0239			Solid Color Reinforced Composite Urinal Screens <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0240			Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	371.34	52.93
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	418.03	56.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	497.05	60.49
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0244			Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	244.01	45.37
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	280.67	49.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	333.87	52.93
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0248			Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0249	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	249.58	49.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0250	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	307.56	52.93
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0251	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	356.59	56.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0252			Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0253 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	379.08 25.12	49.15
10 21 13 19-0254 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	426.04 25.12	52.93
10 21 13 19-0255 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	506.53 25.12	56.71
10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors <small>(10 21 13 19-0256)</small>		
10 21 13 19-0258 EA 24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	262.43 40.42	15.13
10 21 13 19-0259 EA 26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	271.16 40.42	15.13
10 21 13 19-0260 EA 30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	297.36 40.42	17.02
10 21 13 19-0261 EA 34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	320.12 40.42	17.02
10 21 13 19-0262 EA 36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	343.51 40.42	17.02
10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels <small>(10 21 13 19-0256)</small>		
10 21 13 19-0264 EA 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	93.78 25.12	22.69
10 21 13 19-0265 EA 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	121.73 25.12	24.58
10 21 13 19-0266 EA 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	161.78 25.12	26.48
10 21 13 19-0267 EA 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	202.25 25.12	28.37
10 21 13 19-0268 EA 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	224.74 25.12	30.25
10 21 13 19-0269 EA 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	248.29 25.12	32.15
10 21 13 19-0270 EA 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	287.73 25.12	34.04
10 21 13 19-0271 EA 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	328.29 25.12	35.93
10 21 13 19-0272 EA 55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	349.86 25.12	37.82
10 21 13 19-0273 EA 58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	359.45 25.12	38.58
10 21 13 19-0274 EA 60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	366.57 25.12	39.71
10 21 13 19-0275 EA 70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	419.52 25.12	41.60
10 21 13 19-0276 EA 78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	502.85 25.12	43.50
10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0278 EA Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	127.14 13.06 25.12	11.35
10 21 13 19-0279 EA 5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	146.45 15.00 25.12	13.23
10 21 13 19-0280 EA 6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	150.22 15.00 25.12	15.13
10 21 13 19-0281 EA 8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	173.74 17.46 25.12	17.02
10 21 13 19-0282 EA 10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	195.30 19.69 25.12	18.91
10 21 13 19-0283 EA 12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	216.87 21.91 25.12	20.81
10 21 13 19-0284 EA 16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	275.31 28.74 25.12	22.69
10 21 13 19-0285 EA 20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	336.32 35.89 25.12	24.58

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	353.69	26.48
			<i>For 1" Pilaster, Add</i>	37.59	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0287			83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0286)</small>		
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	138.78	11.35
			<i>For 1" Pilaster, Add</i>	14.51	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	162.62	13.23
			<i>For 1" Pilaster, Add</i>	17.02	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	166.39	15.13
			<i>For 1" Pilaster, Add</i>	17.02	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	192.49	17.02
			<i>For 1" Pilaster, Add</i>	19.81	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	217.29	18.91
			<i>For 1" Pilaster, Add</i>	22.43	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	242.26	20.81
			<i>For 1" Pilaster, Add</i>	25.08	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	313.14	22.69
			<i>For 1" Pilaster, Add</i>	33.47	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	371.74	24.58
			<i>For 1" Pilaster, Add</i>	40.32	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	391.37	26.48
			<i>For 1" Pilaster, Add</i>	42.30	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0297			96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	157.98	15.13
			<i>For 1" Pilaster, Add</i>	15.97	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partitiion Pilaster.....	186.35	17.02
			<i>For 1" Pilaster, Add</i>	19.04	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	190.13	18.91
			<i>For 1" Pilaster, Add</i>	19.04	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partitiion Pilaster.....	218.81	20.81
			<i>For 1" Pilaster, Add</i>	22.15	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partitiion Pilaster.....	246.85	22.69
			<i>For 1" Pilaster, Add</i>	25.18	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partitiion Pilaster.....	275.21	24.58
			<i>For 1" Pilaster, Add</i>	28.26	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partitiion Pilaster.....	358.54	26.48
			<i>For 1" Pilaster, Add</i>	38.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partitiion Pilaster.....	414.70	28.37
			<i>For 1" Pilaster, Add</i>	44.75	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partitiion Pilaster.....	436.60	30.25
			<i>For 1" Pilaster, Add</i>	47.01	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0307			Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308			Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0307)</small>		
			Note: Small particulate finish.		
10 21 13 19-0309			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partitiion.....	2,789.59	85.10
			<i>For >10, Deduct</i>	-261.94	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-602.46	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,367.98 -732.01 90.66	92.66
10 21	13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,734.44 -814.56 90.66	96.44
10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>					
10 21	13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,898.75 -269.07 -618.87 90.66	104.00
10 21	13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,806.19 -824.10 90.66	111.58
10 21	13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,212.83 -915.89 90.66	115.35
10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>					
Note: Excludes above ceiling steel.					
10 21	13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,247.79 -300.20 -690.45 90.66	122.91
10 21	13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,358.97 -942.54 90.66	130.48
10 21	13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,765.28 -1,034.25 90.66	134.26
10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>					
Note: Excludes above ceiling steel.					
10 21	13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,281.76 -299.81 -689.57 90.66	141.83
10 21	13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,189.54 -894.87 90.66	149.39
10 21	13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,595.85 -986.59 90.66	153.18
10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small>					
10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>					
10 21	13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	772.12 -153.24 25.12	52.93
10 21	13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,018.95 -208.27 25.12	56.71
10 21	13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,265.77 -263.30 25.12	60.49
10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>					
10 21	13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	396.75 -70.38 25.12	45.37
10 21	13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	506.31 -93.84 25.12	49.15
10 21	13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	615.88 -117.31 25.12	52.93

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0334			Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens ^(10 21 13 19-0325)		
10 21 13 19-0335	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	518.06	49.15
			<i>For Solid Color Material (No Particulate), Deduct</i>	-96.55	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0336	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	645.25	52.93
			<i>For Solid Color Material (No Particulate), Deduct</i>	-124.06	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0337	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	772.44	56.71
			<i>For Solid Color Material (No Particulate), Deduct</i>	-151.58	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0338			Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens ^(10 21 13 19-0325)		
10 21 13 19-0339	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	790.64	49.15
			<i>For Solid Color Material (No Particulate), Deduct</i>	-159.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0340	EA		34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,037.46	52.93
			<i>For Solid Color Material (No Particulate), Deduct</i>	-214.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0341	EA		46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,284.28	56.71
			<i>For Solid Color Material (No Particulate), Deduct</i>	-269.30	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0342			Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters ^(10 21 13 19-0307)		
			See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0343			Solid Polyester (Corian), Toilet Partition Doors ^(10 21 13 19-0342)		
10 21 13 19-0344	EA		24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	608.46	15.13
			<i>For Solid Color Material (No Particulate), Deduct</i>	-132.99	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0345	EA		26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	649.78	15.13
			<i>For Solid Color Material (No Particulate), Deduct</i>	-142.49	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0346	EA		30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	740.97	17.02
			<i>For Solid Color Material (No Particulate), Deduct</i>	-162.59	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0347	EA		34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	826.25	17.02
			<i>For Solid Color Material (No Particulate), Deduct</i>	-182.21	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0348	EA		36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	863.36	17.02
			<i>For Solid Color Material (No Particulate), Deduct</i>	-190.74	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0349			Solid Polyester (Corian), Toilet Partition Panels ^(10 21 13 19-0342)		
10 21 13 19-0350	EA		6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	165.01	22.69
			<i>For Solid Color Material (No Particulate), Deduct</i>	-27.51	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0351	EA		12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	288.43	24.58
			<i>For Solid Color Material (No Particulate), Deduct</i>	-55.03	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0352	EA		18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	411.84	26.48
			<i>For Solid Color Material (No Particulate), Deduct</i>	-82.54	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0353	EA		24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	535.25	28.37
			<i>For Solid Color Material (No Particulate), Deduct</i>	-110.06	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0354	EA		30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	658.67	30.25
			<i>For Solid Color Material (No Particulate), Deduct</i>	-137.57	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0355	EA		36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	782.06	32.15
			<i>For Solid Color Material (No Particulate), Deduct</i>	-165.09	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0356	EA		42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	905.49	34.04
			<i>For Solid Color Material (No Particulate), Deduct</i>	-192.60	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0357	EA		48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,028.89	35.93
			<i>For Solid Color Material (No Particulate), Deduct</i>	-220.12	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0358	EA		55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,172.24	37.82
			<i>For Solid Color Material (No Particulate), Deduct</i>	-252.22	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0359	EA		58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,233.58	38.58
			<i>For Solid Color Material (No Particulate), Deduct</i>	-265.98	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0360	EA		60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,275.71	39.71
			<i>For Solid Color Material (No Particulate), Deduct</i>	-275.15	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,478.88 -321.00 25.12	41.60
10 21	13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,642.17 -357.69 25.12	43.50
10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)					
10 21	13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	210.44 -43.18 25.12	11.35
10 21	13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	261.17 -53.98 25.12	13.23
10 21	13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	311.88 -64.77 25.12	15.13
10 21	13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	409.56 -86.37 25.12	17.02
10 21	13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	507.21 -107.96 25.12	18.91
10 21	13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	604.87 -129.55 25.12	20.81
10 21	13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	890.28 -194.32 25.12	22.69
10 21	13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,081.83 -237.51 25.12	24.58
10 21	13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,179.48 -259.10 25.12	26.48
10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)					
10 21	13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.52 -49.18 25.12	11.35
10 21	13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	293.78 -61.48 25.12	13.23
10 21	13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	344.89 -72.37 25.12	15.13
10 21	13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	469.86 -100.24 25.12	17.02
10 21	13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	572.40 -122.95 25.12	18.91
10 21	13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	683.09 -147.54 25.12	20.81
10 21	13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,007.63 -221.32 25.12	22.69
10 21	13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,225.26 -270.50 25.12	24.58
10 21	13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,335.95 -295.09 25.12	26.48
10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)					
10 21	13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	311.88 -64.77 25.12	15.13
10 21	13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	386.08 -80.97 25.12	17.02
10 21	13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	460.27 -97.16 25.12	18.91
10 21	13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	604.87 -129.55 25.12	20.81
10 21	13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	749.47 -161.94 25.12	22.69

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	894.06	24.58	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-194.32		
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12		
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,320.30	26.48	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-291.49		
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12		
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,605.72	28.37	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-356.27		
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12		
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,750.32	30.25	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-388.65		
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12		
10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)					
10 21 13 43-0001 Accessories (10 21 13 43)					
10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	8.72	1.51	
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	12.60	1.51	
10 21 13 43-0004	EA	Replacement 1-1/2" x 58" Stainless Steel Wall Posts.....	88.03		
10 21 13 43-0005	EA	Replacement 58" Aluminum Wall U Bracket.....	45.79		
10 21 13 43-0006	EA	Replacement 58" Aluminum Wall Two Ear Bracket.....	76.19		
10 21 13 43-0007	EA	Replacement 54" Stainless Steel Wall U Bracket.....	67.10		
10 21 13 43-0008	EA	Replacement 54" Stainless Steel Wall Two Ear Bracket.....	165.32		
10 21 13 43-0009	EA	Replacement 54" Plastic Wall Two Ear Bracket, All Colors.....	98.92		
10 21 13 43-0010	EA	Replacement 57-1/2" Stainless Steel Hinge.....	107.49		
10 21 16 Shower And Dressing Compartments (10 21)					
10 21 16 00-0001 Shower Dividers (10 21 16)					
10 21 16 00-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 00-0001)					
Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.					
10 21 16 00-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	645.35	94.56	
		<i>For 66" High Panels, Add</i>	68.44		
10 21 16 00-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	812.57	102.12	
		<i>For 66" High Panels, Add</i>	91.25		
10 21 16 00-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,052.53	113.46	
		<i>For 66" High Panels, Add</i>	123.84		
10 21 16 00-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,242.41	132.37	
		<i>For 66" High Panels, Add</i>	146.65		
10 21 16 00-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,432.33	151.28	
		<i>For 66" High Panels, Add</i>	169.46		
10 21 16 00-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 00-0001)					
Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.					
10 21 16 00-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	1,563.48	166.18	
		<i>For 66" High Panels, Add</i>	217.91		
		<i>For 6" Wide Head Rail, Add</i>	40.26		
		<i>For 8" Wide Head Rail, Add</i>	55.89		
		<i>For 10" Wide Head rail, Add</i>	68.20		
		<i>For 12" Wide Head Rail, Add</i>	82.18		
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	118.23		
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	158.23		
10 21 16 00-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	1,932.05	181.47	
		<i>For 66" High Panels, Add</i>	271.66		
		<i>For 6" Wide Head Rail, Add</i>	50.70		
		<i>For 8" Wide Head Rail, Add</i>	70.02		
		<i>For 10" Wide Head rail, Add</i>	85.71		
		<i>For 12" Wide Head Rail, Add</i>	103.22		
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	121.30		
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	161.30		
10 21 16 00-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	2,437.82	192.96	
		<i>For 66" High Panels, Add</i>	346.38		
		<i>For 6" Wide Head Rail, Add</i>	65.42		
		<i>For 8" Wide Head Rail, Add</i>	89.79		
		<i>For 10" Wide Head rail, Add</i>	110.31		
		<i>For 12" Wide Head Rail, Add</i>	132.76		
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	123.59		
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	163.59		
10 21 16 00-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	2,604.35	215.88	
		<i>For 66" High Panels, Add</i>	369.07		
		<i>For 6" Wide Head Rail, Add</i>	69.50		
		<i>For 8" Wide Head Rail, Add</i>	95.54		
		<i>For 10" Wide Head rail, Add</i>	117.27		
		<i>For 12" Wide Head Rail, Add</i>	141.15		
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	128.17		
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	168.17		



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 00-0013 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,979.79	234.64
For 66" High Panels, Add	423.51	
For 6" Wide Head Rail, Add	80.01	
For 8" Wide Head Rail, Add	109.81	
For 10" Wide Head rail, Add	134.91	
For 12" Wide Head Rail, Add	162.36	
For 18" Wide, 1/2" Thick Bench, Add	131.92	
For 24" Wide, 1/2" Thick Bench, Add	171.92	
10 21 23 Cubicle Curtains And Track (10 21)		
10 21 23 13 Cubicle Curtains (10 21 23)		
10 21 23 13-0001 Hospital Curtains (10 21 23 13)		
10 21 23 13-0002 LF 84" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	12.82	0.65
10 21 23 13-0003 LF 90" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	13.59	0.65
10 21 23 13-0004 LF 96" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	14.56	0.65
10 21 23 13-0005 LF 102" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	15.34	0.65
10 21 23 13-0006 LF 108" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	16.13	0.65
10 21 23 13-0007 LF 120" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	17.62	0.65
10 21 23 16 Cubicle Track And Hardware (10 21 23)		
10 21 23 16-0001 Hospital Cubicle Curtain Channel Track (10 21 23 16)		
Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002 LF Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track.....	12.84	2.27
10 21 23 16-0003 LF Suspended, Aluminum, Hospital Cubicle Curtain Channel Track.....	20.68	3.78
10 21 23 16-0004 Hospital IV Tracks (10 21 23 16)		
10 21 23 16-0005 LF Oval Hospital Partition IV Track.....	13.67	2.16
10 21 23 16-0006 EA Hospital Partition IV Trolley.....	73.60	8.99
10 21 23 16-0007 EA 5 Hook Tree, Hospital Partition IV Pendant	288.32	8.99
10 22 Partitions (10 20)		
10 22 13 Wire Mesh Partitions (10 22)		
10 22 13 00-0001 Wall Panels (10 22 13)		
Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002 SF Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	7.57	0.95
For 5' Wide Panels, Add	0.28	
10 22 13 00-0003 SF Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.43	1.14
For 5' Wide Panels, Add	0.31	
10 22 13 00-0004 SF Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.51	1.32
For 5' Wide Panels, Add	0.34	
10 22 13 00-0005 Ceiling Panels (10 22 13)		
Note: Includes steel frame.		
10 22 13 00-0006 SF Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	7.92	1.14
10 22 13 00-0007 SF Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.77	1.32
10 22 13 00-0008 SF Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.74	1.51
10 22 13 00-0009 Sliding Doors (10 22 13)		
Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010 EA 4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	770.24	198.56
For 8 Gauge, Add	75.83	
For 6 Gauge, Add	151.65	
10 22 13 00-0011 EA 4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	816.91	219.36
For 8 Gauge, Add	78.66	
For 6 Gauge, Add	157.33	
10 22 13 00-0012 EA 5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	886.42	226.93
For 8 Gauge, Add	87.58	
For 6 Gauge, Add	175.16	
10 22 13 00-0013 EA 5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	965.99	245.83
For 8 Gauge, Add	95.73	
For 6 Gauge, Add	191.46	
10 22 13 00-0014 EA 6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,002.56	260.97
For 8 Gauge, Add	98.19	
For 6 Gauge, Add	196.38	
10 22 13 00-0015 EA 6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,097.34	276.09
For 8 Gauge, Add	109.38	
For 6 Gauge, Add	218.76	
10 22 13 00-0016 EA 8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,179.41	296.89
For 8 Gauge, Add	117.53	
For 6 Gauge, Add	235.07	
10 22 13 00-0017 EA 8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,276.70	310.13
For 8 Gauge, Add	129.48	
For 6 Gauge, Add	258.96	

10	Specialties
10 20	Interior Specialties
10 22	Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,290.58 130.05 260.10	317.70
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,416.94 145.22 290.44	336.61
10 22 13 00-0020			Swing Doors <small>(10 22 13)</small>		
10 22 13 00-0021			Single Swing Door <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	521.54 53.02 106.04	117.25
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	559.45 57.44 114.89	132.37
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	598.61 61.80 123.61	139.93
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	597.28 59.34 118.67	151.28
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	637.71 63.89 127.77	158.85
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	666.55 66.70 133.40	166.41
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	761.78 84.01 168.02	151.28
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	807.37 89.34 178.67	158.85
10 22 13 00-0030			Double Swing Doors <small>(10 22 13 00-0020)</small>		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	819.63 85.12 170.25	189.10
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	842.33 86.26 172.52	200.45
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,125.58 126.48 252.96	211.80
10 22 13 00-0034	EA		8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	895.27 88.91 177.81	226.93
10 22 13 00-0035	EA		8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	917.97 90.04 180.08	238.27
10 22 13 00-0036	EA		8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,201.22 130.26 260.52	249.62
10 22 19			Demountable Partitions <small>(10 22)</small>		
10 22 19 13			Demountable Metal Partitions <small>(10 22 19)</small>		
10 22 19 13-0001	LF		Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5"..... <i>For >9, Add 10.96</i>	87.67	12.02
10 22 19 13-0002	LF		Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5"..... <i>For >9, Add 9.56</i>	76.51	9.57
10 22 19 13-0003	LF		Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5"..... <i>For >9, Add 8.17</i>	65.35	7.20
10 22 19 13-0004	LF		Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 9' High, 48" Wide, Backed Enamel..... <i>For >9, Add 20.10</i>	160.81	9.57
10 22 19 13-0005	LF		Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 9' High, 48" Wide, Fabric..... <i>For >9, Add 29.69</i>	237.55	10.29
10 22 19 43			Demountable Composite Partitions <small>(10 22 19)</small>		
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad..... <i>For >9, Add 16.53</i>	132.20	12.02
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad..... <i>For >9, Add 20.58</i>	164.65	13.09
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	27.40 2.39	1.79



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 43-0004 SF Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	34.69 2.86	3.02
10 22 19 43-0005 SF Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add</i>	29.23 2.55	1.87
10 22 19 43-0006 SF Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add</i>	41.74 3.66	2.59
10 22 19 53 Demountable Gypsum Partitions (10 22 19)		
10 22 19 53-0001 LF Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Vinyl Clad <i>For >9, Add 11.17</i>	89.38	12.02
10 22 19 53-0002 LF Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Fabric Clad <i>For >9, Add 19.83</i>	158.67	13.09
10 22 19 53-0003 LF Demountable Partition Gypsum System, On 2" To 2-1/2", Steel Standard, 9' High, 3" To 3-3/4" Thick..... <i>For >9, Add 21.31</i>	170.44	14.39
10 22 19 53-0004 LF Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Vinyl Clad..... <i>For >9, Add 13.54</i>	108.32	12.02
10 22 19 53-0005 LF Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Fabric Clad..... <i>For >9, Add 22.17</i>	177.38	13.09
10 22 19 71 Remove And Store Demountable Partitions (10 22 19)		
10 22 19 71-0001 LF Remove, Store And Reinstall Demountable Partitions, Up To 10'	52.95	
10 22 23 Portable Partitions, Screens, And Panels (10 22)		
Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.		
10 22 23 00-0001 Portable Partitions (10 22 23)		
10 22 23 00-0002 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	162.73	5.76
10 22 23 00-0003 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	173.56	6.40
10 22 23 00-0004 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	206.37	7.70
10 22 23 00-0005 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	119.60	3.31
10 22 23 00-0006 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	127.06	3.81
10 22 23 00-0007 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	142.92	4.61
10 22 23 00-0008 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	121.72	3.53
10 22 23 00-0009 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	216.54	6.40
10 22 23 00-0010 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	238.20	7.70
10 22 23 00-0011 LF Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	126.51	4.39
10 22 23 00-0012 LF Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	143.99	5.11
10 22 23 00-0013 LF Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	115.91	3.81
10 22 23 00-0014 LF Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	130.19	4.61
10 22 23 00-0015 LF Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High.....	192.66	6.40
10 22 23 00-0016 LF Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	217.51	7.70
10 22 23 00-0017 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	195.85	6.40
10 22 23 00-0018 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	238.20	7.70
10 22 23 00-0019 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	150.93	3.81
10 22 23 00-0020 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	169.98	4.61
10 22 23 00-0021 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	159.13	3.53
10 22 23 00-0022 LF Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	189.82	4.17
10 22 23 00-0023 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High.....	93.09	4.39
10 22 23 00-0024 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High.....	109.77	5.11
10 22 23 00-0025 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High.....	99.15	4.61
10 22 23 00-0026 LF Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High.....	72.37	3.53
10 22 23 00-0027 LF Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side.....	117.45	4.61
10 22 23 00-0028 LF Partitions, Portable, Metal Chalkboard, 2 Sides.....	133.76	4.82
10 22 23 00-0029 LF Partitions, Portable, Tackboard, Both Sides	108.05	4.68
10 22 33 Accordion Folding Partitions (10 22)		
10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)		
Note: Includes top support track and assembled panels.		
10 22 33 00-0002 SF 15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	41.41	3.56
<i>For <135 SF, Add</i>	8.28	
10 22 33 00-0003 SF 20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	42.10	3.68
<i>For <135 SF, Add</i>	8.42	
10 22 33 00-0004 SF 31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	44.04	3.80
<i>For <135 SF, Add</i>	8.81	
10 22 33 00-0005 SF 35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	46.61	3.92
<i>For <135 SF, Add</i>	9.32	
10 22 33 00-0006 SF 39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	47.48	4.03
<i>For <135 SF, Add</i>	9.50	
10 22 33 00-0007 SF 40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	48.12	4.16
<i>For <135 SF, Add</i>	9.62	
10 22 33 00-0008 SF 41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	48.76	4.27
<i>For <135 SF, Add</i>	9.75	
10 22 33 00-0009 SF 45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	49.65	4.52
<i>For <135 SF, Add</i>	9.93	
10 22 43 Sliding Partitions (10 22)		

10 Specialties**10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0001			Operable Wall <small>(10 22 43)</small> Note: Includes top support track, assembled panel and frames.		
10 22 43 00-0002	SF		Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 67.30	67.30	6.26
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 5.34	5.34	
10 22 43 00-0003	SF		>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 62.51	62.51	5.01
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 5.22	5.22	
10 22 43 00-0004	SF		>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 58.97	58.97	4.17
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 5.11	5.11	
10 22 43 00-0005	SF		Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 57.33	57.33	4.38
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 4.86	4.86	
10 22 43 00-0006	SF		>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 53.64	53.64	3.56
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 4.72	4.72	
10 22 43 00-0007	SF		>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 51.48	51.48	3.18
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 4.61	4.61	
10 22 43 00-0008	SF		Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 50.91	50.91	3.44
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 4.46	4.46	
10 22 43 00-0009	SF		>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 48.12	48.12	2.94
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 4.32	4.32	
10 22 43 00-0010	SF		>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating 46.17	46.17	2.63
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i> 4.21	4.21	
10 22 43 00-0011	SF		Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating 71.22	71.22	5.57
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i> 6.00	6.00	
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating 65.76	65.76	4.23
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i> 5.84	5.84	
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating 62.53	62.53	3.56
			Note: Includes type 3 pocket door, track and hardware. Hufco 632.		
			<i>For 51 STC, Add</i> 5.70	5.70	
10 26			Wall And Door Protection <small>(10 20)</small>		
10 26 13			Corner Guards <small>(10 26)</small>		
10 26 13 00-0001			Vinyl Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0002			Rigid Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
10 26 13 00-0003			Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>		
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34) 5.57	5.57	2.27
			<i>For >50 To 100 LF, Deduct</i> -0.95	-0.95	
			<i>For >100 To 200 LF, Deduct</i> -1.32	-1.32	
			<i>For >200 LF, Deduct</i> -1.79	-1.79	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12) 6.28	6.28	2.27
			<i>For >50 To 100 LF, Deduct</i> -0.95	-0.95	
			<i>For >100 To 200 LF, Deduct</i> -1.32	-1.32	
			<i>For >200 LF, Deduct</i> -1.83	-1.83	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13) 9.45	9.45	2.27
			<i>For >50 To 100 LF, Deduct</i> -0.95	-0.95	
			<i>For >100 To 200 LF, Deduct</i> -1.32	-1.32	
			<i>For >200 LF, Deduct</i> -1.98	-1.98	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14) 11.15	11.15	2.27
			<i>For >50 To 100 LF, Deduct</i> -0.95	-0.95	
			<i>For >100 To 200 LF, Deduct</i> -1.32	-1.32	
			<i>For >200 LF, Deduct</i> -2.07	-2.07	
10 26 13 00-0009			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0010 LF 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245).....	10.56	2.27
For >50 To 100 LF, Deduct	-0.95	
For >100 To 200 LF, Deduct	-1.32	
For >200 LF, Deduct	-2.04	
10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0001)		
Note: Includes closure caps.		
10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)		
10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0014 LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20).....	11.90	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-2.86	
For Recycled Vinyl Retainer, Deduct	-1.25	
10 26 13 00-0015 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10).....	13.98	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-2.97	
For Recycled Vinyl Retainer, Deduct	-1.66	
10 26 13 00-0016 LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30).....	14.81	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-3.01	
For Recycled Vinyl Retainer, Deduct	-1.83	
10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0018 LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135).....	16.06	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-3.07	
For Recycled Vinyl Retainer, Deduct	-2.08	
10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020 LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11).....	32.56	4.54
For >50 To 100 LF, Deduct	-1.89	
For >100 To 200 LF, Deduct	-2.65	
For >200 LF, Deduct	-4.65	
For Recycled Vinyl Retainer, Deduct	-5.00	
10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)		
10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72).....	14.49	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-2.99	
For Up To 2 HR Fire Rated, Add	6.17	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7).....	16.97	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-3.12	
For Up To 2 HR Fire Rated, Add	7.91	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	17.53	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-3.14	
For Up To 2 HR Fire Rated, Add	8.30	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75).....	19.68	3.40
For >50 To 100 LF, Deduct	-1.42	
For >100 To 200 LF, Deduct	-1.98	
For >200 LF, Deduct	-3.25	
For Up To 2 HR Fire Rated, Add	9.81	

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 26 13 00-0028	End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
	Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	41.88	4.54
	For >50 To 100 LF, Deduct	-1.89	
	For >100 To 200 LF, Deduct	-2.65	
	For >200 LF, Deduct	-5.12	
	For Up To 2 HR Fire Rated, Add	24.02	
10 26 13 00-0030	Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
	Note: Includes adhesive for installation.		
10 26 13 00-0031	Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032	90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033	LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	7.69	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.90	
	For Bolting To Concrete Or Masonry, Add	1.72	
10 26 13 00-0034	LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	10.57	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-2.04	
	For Bolting To Concrete Or Masonry, Add	2.15	
10 26 13 00-0035	LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	11.80	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-2.10	
	For Bolting To Concrete Or Masonry, Add	2.34	
10 26 13 00-0036	Polycarbonate Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0037	Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038	90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039	LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	4.96	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.76	
10 26 13 00-0040	LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	6.07	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.82	
10 26 13 00-0041	LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	7.09	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.87	
10 26 13 00-0042	LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	9.41	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.98	
10 26 13 00-0043	LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	8.04	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.91	
10 26 13 00-0044	135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045	LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	9.41	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.98	
10 26 13 00-0046	Aluminum Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0047	Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
10 26 13 00-0048	90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049	LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	7.69	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.90	
10 26 13 00-0050	LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	9.47	2.27
	For >50 To 100 LF, Deduct	-0.95	
	For >100 To 200 LF, Deduct	-1.32	
	For >200 LF, Deduct	-1.99	



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0051	LF		3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	10.65 -0.95 -1.32 -2.04	2.27
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053	LF		1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	7.69 -0.95 -1.32 -1.90	2.27
10 26 13 00-0054	LF		2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	9.47 -0.95 -1.32 -1.99	2.27
10 26 13 00-0055	LF		3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	9.97 -0.95 -1.32 -2.01	2.27
10 26 13 00-0056			Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0057			Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	9.87 1.87 -1.14 -1.59 -2.31	2.72
10 26 13 00-0061	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	12.69 2.72 -1.23 -1.72 -2.60	2.95
10 26 13 00-0062	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	13.52 2.95 -1.28 -1.79 -2.72	3.06
10 26 13 00-0063	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	13.82 2.98 -1.33 -1.86 -2.81	3.17
10 26 13 00-0064	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	17.41 4.17 -1.37 -1.92 -3.07	3.29
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	21.00 5.37 -1.42 -1.98 -3.32	3.40
10 26 13 00-0066	LF		6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	36.16 10.01 -1.89 -2.65 -4.83	4.54
10 26 13 00-0067			Stainless Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0068			Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069			Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070			90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF		1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	9.32 -0.95 -1.32 -1.98	2.27
10 26 13 00-0072	LF		2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	12.61 -0.95 -1.32 -2.14	2.27
10 26 13 00-0073	LF		3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	17.22 -0.95 -1.32 -2.37	2.27

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	17.22	2.27
			<i>For >50 To 100 LF, Deduct</i>	-0.95	
			<i>For >100 To 200 LF, Deduct</i>	-1.32	
			<i>For >200 LF, Deduct</i>	-2.37	
10 26 13 00-0075			135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.22	2.27
			<i>For >50 To 100 LF, Deduct</i>	-0.95	
			<i>For >100 To 200 LF, Deduct</i>	-1.32	
			<i>For >200 LF, Deduct</i>	-2.37	
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	17.22	2.27
			<i>For >50 To 100 LF, Deduct</i>	-0.95	
			<i>For >100 To 200 LF, Deduct</i>	-1.32	
			<i>For >200 LF, Deduct</i>	-2.37	
10 26 13 00-0078			Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	16.86	2.72
			<i>For >50 To 100 LF, Deduct</i>	-1.14	
			<i>For >100 To 200 LF, Deduct</i>	-1.59	
			<i>For >200 LF, Deduct</i>	-2.66	
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	28.26	2.95
			<i>For >50 To 100 LF, Deduct</i>	-1.23	
			<i>For >100 To 200 LF, Deduct</i>	-1.72	
			<i>For >200 LF, Deduct</i>	-3.38	
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	39.67	3.06
			<i>For >50 To 100 LF, Deduct</i>	-1.28	
			<i>For >100 To 200 LF, Deduct</i>	-1.79	
			<i>For >200 LF, Deduct</i>	-4.02	
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	37.00	3.17
			<i>For >50 To 100 LF, Deduct</i>	-1.33	
			<i>For >100 To 200 LF, Deduct</i>	-1.86	
			<i>For >200 LF, Deduct</i>	-3.97	
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	53.08	3.29
			<i>For >50 To 100 LF, Deduct</i>	-1.37	
			<i>For >100 To 200 LF, Deduct</i>	-1.92	
			<i>For >200 LF, Deduct</i>	-4.85	
10 26 13 00-0086	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	48.97	3.40
			<i>For >50 To 100 LF, Deduct</i>	-1.42	
			<i>For >100 To 200 LF, Deduct</i>	-1.98	
			<i>For >200 LF, Deduct</i>	-4.72	
10 26 13 00-0087			Rubber Corner Guards <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26 13 00-0088			Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089			Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090			90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	LF		4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	37.67	2.27
			<i>For >50 To 100 LF, Deduct</i>	-0.95	
			<i>For >100 To 200 LF, Deduct</i>	-1.32	
			<i>For >200 LF, Deduct</i>	-3.40	
			<i>For Bolting To Concrete Or Masonry, Add</i>	6.22	
10 26 13 00-0092			Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093			Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094			90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0093)</small>		
10 26 13 00-0095	LF		4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	23.82	2.27
			<i>For >50 To 100 LF, Deduct</i>	-0.95	
			<i>For >100 To 200 LF, Deduct</i>	-1.32	
			<i>For >200 LF, Deduct</i>	-2.70	
			<i>For Bolting To Concrete Or Masonry, Add</i>	4.14	
10 26 13 00-0096			Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0097			Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0096)</small>		



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	15.80	2.27
For >50 To 100 LF, Deduct	-0.95	
For >100 To 200 LF, Deduct	-1.32	
For >200 LF, Deduct	-2.30	
For Bolting To Concrete Or Masonry, Add	2.94	
10 26 16 Bumper Guards <small>(10 26)</small>		
10 26 16 13 Bumper Rails <small>(10 26 16)</small>		
10 26 16 13-0001 Crash Rails <small>(10 26 16 13)</small>		
Note: Includes end caps.		
10 26 16 13-0002 Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	9.09	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-2.87	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	9.80	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-2.91	
10 26 16 13-0005 Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	28.93	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-3.87	
10 26 16 13-0007 Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	51.81	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-5.01	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	40.37	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-4.44	
10 26 16 13-0010 Wall Guards <small>(10 26 16 13)</small>		
10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small>		
Note: Includes end caps.		
10 26 16 13-0012 LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	9.63	2.65
For >50 To 100 LF, Deduct	-1.33	
For >100 To 200 LF, Deduct	-1.86	
For >200 LF, Deduct	-2.60	
10 26 16 13-0013 LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	11.24	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-2.98	
10 26 16 13-0014 LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	12.20	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-3.03	
10 26 16 13-0015 LF 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	13.40	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-3.09	
10 26 16 13-0016 LF 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	15.16	3.21
For >50 To 100 LF, Deduct	-1.61	
For >100 To 200 LF, Deduct	-2.25	
For >200 LF, Deduct	-3.33	
10 26 16 13-0017 LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	15.74	3.21
For >50 To 100 LF, Deduct	-1.61	
For >100 To 200 LF, Deduct	-2.25	
For >200 LF, Deduct	-3.36	
10 26 16 13-0018 LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	16.24	3.21
For >50 To 100 LF, Deduct	-1.61	
For >100 To 200 LF, Deduct	-2.25	
For >200 LF, Deduct	-3.38	
10 26 16 13-0019 LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	20.35	3.40
For >50 To 100 LF, Deduct	-1.70	
For >100 To 200 LF, Deduct	-2.38	
For >200 LF, Deduct	-3.74	

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0020 Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021 D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022 LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	17.66	2.65
For >50 To 100 LF, Deduct	-1.33	
For >100 To 200 LF, Deduct	-1.86	
For >200 LF, Deduct	-3.00	
10 26 16 13-0023 LF 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	24.93	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-3.67	
10 26 16 13-0024 LF 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	32.48	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-4.04	
10 26 16 13-0025 LF 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	44.51	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-4.65	
10 26 16 13-0026 U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027 LF 3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	44.46	3.21
For >50 To 100 LF, Deduct	-1.61	
For >100 To 200 LF, Deduct	-2.25	
For >200 LF, Deduct	-4.79	
10 26 16 13-0028 LF 4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	49.89	3.21
For >50 To 100 LF, Deduct	-1.61	
For >100 To 200 LF, Deduct	-2.25	
For >200 LF, Deduct	-5.06	
10 26 16 13-0029 Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030 LF 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	32.84	3.21
For >50 To 100 LF, Deduct	-1.61	
For >100 To 200 LF, Deduct	-2.25	
For >200 LF, Deduct	-4.21	
10 26 16 13-0031 LF 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	38.71	3.40
For >50 To 100 LF, Deduct	-1.70	
For >100 To 200 LF, Deduct	-2.38	
For >200 LF, Deduct	-4.66	
10 26 16 13-0032 Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0033 LF 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	25.30	2.65
For >50 To 100 LF, Deduct	-1.33	
For >100 To 200 LF, Deduct	-1.86	
For >200 LF, Deduct	-3.39	
10 26 16 13-0034 LF 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	52.95	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-5.07	
10 26 16 13-0035 LF 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	56.39	3.02
For >50 To 100 LF, Deduct	-1.51	
For >100 To 200 LF, Deduct	-2.12	
For >200 LF, Deduct	-5.24	
10 26 16 13-0036 Accent Rails <small>(10 26 16 13)</small>		
Note: Includes end caps.		
10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038 LF 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	10.88	2.65
For >50 To 100 LF, Deduct	-1.33	
For >100 To 200 LF, Deduct	-1.86	
For >200 LF, Deduct	-2.66	
10 26 16 13-0039 LF 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	13.82	2.65
For >50 To 100 LF, Deduct	-1.33	
For >100 To 200 LF, Deduct	-1.86	
For >200 LF, Deduct	-2.81	
10 26 16 13-0040 LF 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	16.76	2.65
For >50 To 100 LF, Deduct	-1.33	
For >100 To 200 LF, Deduct	-1.86	
For >200 LF, Deduct	-2.96	
10 26 16 16 Protective Corridor Handrails <small>(10 26 16)</small>		
10 26 16 16-0001 Protective Corridor Handrails <small>(10 26 16 16)</small>		
10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers <small>(10 26 16 16-0001)</small>		



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	17.35 -2.84 -3.97 -5.41	5.67
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	15.35 -2.84 -3.97 -5.31	5.67
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)..... <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	23.35 -2.84 -3.97 -5.71	5.67
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	20.35 -2.84 -3.97 -5.56	5.67
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)..... <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	24.35 -2.84 -3.97 -5.76	5.67
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	26.35 -2.84 -3.97 -5.86	5.67
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	30.35 -2.84 -3.97 -6.06	5.67
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	34.35 -2.84 -3.97 -6.26	5.67
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS) <i>For >50 To 100 LF, Deduct</i> <i>For >100 To 200 LF, Deduct</i> <i>For >200 LF, Deduct</i>	40.35 -2.84 -3.97 -6.56	5.67
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	41.35 -2.84 -3.97 -6.61	5.67
10 26 23			Protective Wall Covering <small>(10 26)</small>		
10 26 23 00-0001			Impact Resistant Wall Protection <small>(10 26 23)</small> Note: Includes standard trim.		
10 26 23 00-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	5.87	1.89
10 26 23 00-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	6.33	1.89
10 26 23 00-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	7.57	1.89
10 26 23 00-0005			Interior Polyvinyl Chloride (PVC) Soffit System <small>(10 26 23)</small> Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 00-0006			"L" Design <small>(10 26 23 00-0005)</small>		
10 26 23 00-0007			L-Shield <small>(10 26 23 00-0006)</small>		
10 26 23 00-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	9.09	1.89
10 26 23 00-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe.....	10.73	2.65
10 26 23 00-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe.....	14.05	3.40
10 26 23 00-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe.....	19.04	4.16
10 26 23 00-0012			"Combo" Hanger <small>(10 26 23 00-0006)</small>		
10 26 23 00-0013	EA		Combination "Combo" Hanger, L-Support, For 3/4" Pipe	10.79	3.79
10 26 23 00-0014	EA		Combination "Combo" Hanger, L-Support, For 1" Pipe	12.56	4.54
10 26 23 00-0015	EA		Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	14.53	5.30
10 26 23 00-0016	EA		Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	16.24	6.05
10 26 23 00-0017	EA		Combination "Combo" Hanger, L-Support, For 2" Pipe	18.21	6.81
10 26 23 00-0018			Snap-2 Pipe Hanger <small>(10 26 23 00-0006)</small>		
10 26 23 00-0019	EA		Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	9.24	3.79
10 26 23 00-0020	EA		Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	11.20	4.54
10 26 23 00-0021	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	13.05	5.30
10 26 23 00-0022	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	15.15	6.05
10 26 23 00-0023	EA		Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	17.30	6.81
10 26 23 00-0024			Coupling <small>(10 26 23 00-0006)</small>		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0025 EA Coupling, L-Shield, 1" Shield Size	5.79	1.89
10 26 23 00-0026 EA Coupling, L-Shield, 1-1/4" Shield Size	8.34	2.65
10 26 23 00-0027 EA Coupling, L-Shield, 2" Shield Size	11.78	3.40
10 26 23 00-0028 EA Coupling, L-Shield, 2-1/2" Shield Size	14.72	4.16
10 26 23 00-0029 Coupling, Reducer (10 26 23 00-0006)		
10 26 23 00-0030 EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	14.88	2.27
10 26 23 00-0031 EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size	18.22	2.65
10 26 23 00-0032 EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	21.56	3.02
10 26 23 00-0033 EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	80.43	3.79
10 26 23 00-0034 Shield Clips (10 26 23 00-0006)		
10 26 23 00-0035 EA Shield Clips, L-Support, 1" Shield Size	3.50	1.14
10 26 23 00-0036 EA Shield Clips, L-Support, 1-1/4" Shield Size	5.34	1.89
10 26 23 00-0037 EA Shield Clips, L-Support, 2" Shield Size	7.11	2.65
10 26 23 00-0038 EA Shield Clips, L-Support, 2-1/2" Shield Size	8.23	3.40
10 26 23 00-0039 Wall Flange (10 26 23 00-0006)		
10 26 23 00-0040 EA Wall Flange, L-Shield, 1" Shield Size	5.66	1.89
10 26 23 00-0041 EA Wall Flange, L-Shield, 1-1/4" Shield Size	8.08	2.65
10 26 23 00-0042 EA Wall Flange, L-Shield, 2" Shield Size	11.53	3.40
10 26 23 00-0043 EA Wall Flange, L-Shield, 2-1/2" Shield Size	42.99	4.16
10 26 23 00-0044 End Cap (10 26 23 00-0006)		
10 26 23 00-0045 EA End Cap, L-Shield, 1" Shield Size	5.44	1.14
10 26 23 00-0046 EA End Cap, L-Shield, 1-1/4" Shield Size	7.41	1.89
10 26 23 00-0047 EA End Cap, L-Shield, 2" Shield Size	10.27	2.65
10 26 23 00-0048 EA End Cap, L-Shield, 2-1/2" Shield Size	43.38	3.40
10 26 23 00-0049 Inside/Outside Corner (10 26 23 00-0006)		
10 26 23 00-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size	32.30	3.79
10 26 23 00-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	35.04	4.54
10 26 23 00-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size	42.43	5.67
10 26 23 00-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	72.73	6.81
10 26 23 00-0054 Joiner (10 26 23 00-0006)		
10 26 23 00-0055 LF Joiner, L-Shield	6.86	1.14
10 26 23 00-0056 "U" Design (10 26 23 00-0005)		
10 26 23 00-0057 U-Shield (10 26 23 00-0056)		
10 26 23 00-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	10.77	1.89
10 26 23 00-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	13.57	2.65
10 26 23 00-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	17.34	2.65
10 26 23 00-0061 "Combo" Hanger (10 26 23 00-0056)		
10 26 23 00-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe	9.56	3.79
10 26 23 00-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe	11.40	4.54
10 26 23 00-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	13.17	5.30
10 26 23 00-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	16.05	6.05
10 26 23 00-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe	18.14	6.81
10 26 23 00-0067 Snap-2 Pipe Hanger (10 26 23 00-0056)		
10 26 23 00-0068 EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	9.11	3.79
10 26 23 00-0069 EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe	11.07	4.54
10 26 23 00-0070 EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	13.37	5.30
10 26 23 00-0071 EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	15.02	6.05
10 26 23 00-0072 EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe	17.24	6.81
10 26 23 00-0073 Coupling (10 26 23 00-0056)		
10 26 23 00-0074 EA Coupling, U-Shield, 1" Shield Size	6.70	1.89
10 26 23 00-0075 EA Coupling, U-Shield, 1-1/4" Shield Size	8.53	2.65
10 26 23 00-0076 EA Coupling, U-Shield, 2" Shield Size	10.49	3.40
10 26 23 00-0077 Coupling, Reducer (10 26 23 00-0056)		
10 26 23 00-0078 EA Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	17.46	2.27
10 26 23 00-0079 EA Reducing Coupling, U-Shield, 2" x 1" Shield Size	20.81	2.65
10 26 23 00-0080 EA Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	22.20	3.02



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0081 Shield Clips <small>(10 26 23 00-0056)</small>		
10 26 23 00-0082 EA Shield Clips, U-Support, 1" Shield Size	3.24	1.14
10 26 23 00-0083 EA Shield Clips, U-Support, 1-1/4" Shield Size	4.89	1.89
10 26 23 00-0084 EA Shield Clips, U-Support, 2" Shield Size	6.53	2.65
10 26 23 00-0085 Wall Flange <small>(10 26 23 00-0056)</small>		
10 26 23 00-0086 EA Wall Flange, U-Shield, 1" Shield Size	6.50	1.89
10 26 23 00-0087 EA Wall Flange, U-Shield, 1-1/4" Shield Size	8.47	2.65
10 26 23 00-0088 EA Wall Flange, U-Shield, 2" Shield Size	10.43	3.40
10 26 23 00-0089 End Cap <small>(10 26 23 00-0056)</small>		
10 26 23 00-0090 EA End Cap, U-Shield, 1" Shield Size	5.76	1.14
10 26 23 00-0091 EA End Cap, U-Shield, 1-1/4" Shield Size	7.92	1.89
10 26 23 00-0092 EA End Cap, U-Shield, 2" Shield Size	10.02	2.65
10 26 23 00-0093 Inside/Outside Corner <small>(10 26 23 00-0056)</small>		
10 26 23 00-0094 EA Inside/Outside Corner, U-Shield, 1" Shield Size	40.12	3.79
10 26 23 00-0095 EA Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	44.80	4.54
10 26 23 00-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size	53.15	5.67
10 26 23 00-0097 Elbow <small>(10 26 23 00-0056)</small>		
10 26 23 00-0098 EA Elbow, U-Shield, 1" Shield Size	39.41	3.79
10 26 23 00-0099 EA Elbow, U-Shield, 1-1/4" Shield Size	43.50	4.54
10 26 23 00-0100 EA Elbow, U-Shield, 2" Shield Size	51.92	5.67
10 26 23 00-0101 Tee <small>(10 26 23 00-0056)</small>		
10 26 23 00-0102 EA Tee, U-Shield, 1" x 1" x 1" Shield Size	50.31	5.67
10 26 23 00-0103 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	56.19	6.81
10 26 23 00-0104 EA Tee, U-Shield, 2" x 2" x 2" Shield Size	65.80	8.32
10 26 23 00-0105 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	65.84	6.43
10 26 23 00-0106 EA Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	71.50	7.95
10 26 23 00-0107 Cross <small>(10 26 23 00-0056)</small>		
10 26 23 00-0108 EA Cross, U-Shield, 1" Shield Size	89.75	7.56
10 26 23 00-0109 EA Cross, U-Shield, 1-1/4" Shield Size	100.85	9.07
10 26 23 00-0110 EA Cross, U-Shield, 2" Shield Size	122.70	11.35
10 26 23 00-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size	122.08	8.32
10 26 23 00-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size	134.77	10.21
10 26 23 00-0113 Transition Fittings (L to U Or U to L) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0114 Coupling Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0115 EA Transition Coupling, 1" x 1", LxU or UxL	15.55	1.89
10 26 23 00-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	17.83	2.65
10 26 23 00-0117 EA Transition Coupling, 2" x 2", LxU or UxL	22.25	3.40
10 26 23 00-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL	17.65	2.27
10 26 23 00-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL	22.07	3.02
10 26 23 00-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL	84.12	3.79
10 26 23 00-0121 Elbow Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0122 EA Transition Elbow, 1" x 1" (UxL)	52.40	3.79
10 26 23 00-0123 EA Transition Elbow, 1-1/4" x 1-1/4" (UxL)	57.01	4.54
10 26 23 00-0124 EA Transition Elbow, 2" x 2" (UxL)	67.04	5.67
10 26 23 00-0125 EA Transition Elbow, 1" x 1-1/4" (UxL)	80.68	4.16
10 26 23 00-0126 EA Transition Elbow, 1-1/4" x 1" (UxL)	57.68	4.16
10 26 23 00-0127 EA Transition Elbow, 1-1/4" x 2" (UxL)	85.66	5.30
10 26 23 00-0128 EA Transition Elbow, 2" x 1-1/4" (UxL)	66.99	5.30
10 26 23 00-0129 EA Transition Elbow, 2" x 2-1/2" (UxL)	102.82	6.05
10 26 23 00-0130 Tee Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU)	60.71	5.67
10 26 23 00-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	70.34	6.81
10 26 23 00-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU)	82.02	8.32
10 26 23 00-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	64.35	6.43
10 26 23 00-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	99.65	7.19
10 26 23 00-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	72.09	7.95
10 26 23 00-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	97.73	9.46

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 26 23 00-0138	Fittings (L Or U) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0139	Hugger Hangers For Steel Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0140	EA Hugger Hanger, For 1/2" Steel Pipe	7.41	3.02
10 26 23 00-0141	EA Hugger Hanger, For 3/4" Steel Pipe	9.24	3.79
10 26 23 00-0142	EA Hugger Hanger, For 1" Steel Pipe	10.88	4.54
10 26 23 00-0143	EA Hugger Hanger, For 1-1/4" Steel Pipe	12.59	5.30
10 26 23 00-0144	EA Hugger Hanger, For 1-1/2" Steel Pipe	14.24	6.05
10 26 23 00-0145	EA Hugger Hanger, For 2" Steel Pipe	16.01	6.05
10 26 23 00-0146	EA Hugger Hanger, For 2-1/2" Steel Pipe	17.65	7.56
10 26 23 00-0147	EA Hugger Hanger, For 3" Steel Pipe	21.55	8.32
10 26 23 00-0148	Hugger Hangers For Copper Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0149	EA Hugger Hanger, For 1/2" Copper Pipe	7.47	3.02
10 26 23 00-0150	EA Hugger Hanger, For 3/4" Copper Pipe	9.30	3.79
10 26 23 00-0151	EA Hugger Hanger, For 1" Copper Pipe	10.94	4.54
10 26 23 00-0152	EA Hugger Hanger, For 1-1/4" Copper Pipe	12.66	5.30
10 26 23 00-0153	EA Hugger Hanger, For 1-1/2" Copper Pipe	14.31	6.05
10 26 23 00-0154	EA Hugger Hanger, For 2" Copper Pipe	16.14	6.81
10 26 23 00-0155	EA Hugger Hanger, For 2-1/2" Copper Pipe	17.78	7.56
10 26 23 00-0156	EA Hugger Hanger, For 3" Copper Pipe	21.74	8.32
10 26 23 00-0157	Shield Extension (L Or U) <small>(10 26 23 00-0138)</small>		
10 26 23 00-0158	LF Shield Extension	8.21	1.14
10 26 23 00-0159	Interior Steel Soffit System <small>(10 26 23)</small>		
	Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 00-0160	SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	16.20	3.40
	For 22 Gauge Steel, Add	0.94	
	For 20 Gauge Steel, Add	2.01	
	For 18 Gauge Steel, Add	3.94	
	For 16 Gauge Steel, Add	6.06	
	For Stainless Steel, Add	2.35	
10 26 23 00-0161	EA U-Shield Wall Flange (JG Innovations Soffi-Steel)	27.46	9.46
	For Stainless Steel, Add	2.14	
10 26 23 00-0162	EA U-Shield Corner (JG Innovations Soffi-Steel)	63.36	11.35
	For Stainless Steel, Add	9.98	
10 26 23 00-0163	EA U-Shield End Cap (JG Innovations Soffi-Steel)	20.47	5.67
	For Stainless Steel, Add	2.28	
10 26 23 00-0164	EA U-Shield Clip (JG Innovations Soffi-Steel)	4.90	2.27
	For Stainless Steel, Add	0.09	
10 26 23 00-0165	SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	18.20	3.40
	For 22 Gauge Steel, Add	0.85	
	For 20 Gauge Steel, Add	1.82	
	For 18 Gauge Steel, Add	3.53	
	For 16 Gauge Steel, Add	5.92	
	For Stainless Steel, Add	2.85	
10 26 23 00-0166	EA L-Shield Wall Flange (JG Innovations Soffi-Steel)	27.46	9.46
	For Stainless Steel, Add	2.14	
10 26 23 00-0167	EA L-Shield Corner (JG Innovations Soffi-Steel)	63.36	11.35
	For Stainless Steel, Add	9.98	
10 26 23 00-0168	EA L-Shield End Cap (JG Innovations Soffi-Steel)	17.44	4.16
	For Stainless Steel, Add	2.28	
10 26 23 00-0169	EA L-Shield Clip (JG Innovations Soffi-Steel)	4.90	2.27
	For Stainless Steel, Add	0.09	
10 28	Toilet, Bath, And Laundry Accessories <small>(10 20)</small>		
10 28 13	Toilet Accessories <small>(10 28)</small>		
10 28 13 13	Commercial Toilet Accessories <small>(10 28 13)</small>		
10 28 13 13-0001	Toilet Accessories <small>(10 28 13 13)</small>		
10 28 13 13-0002	Dispensers <small>(10 28 13 13-0001)</small>		
10 28 13 13-0003	Paper Towel Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0004	Stainless Steel Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0005	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	75.62	17.01
10 28 13 13-0006	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	81.30	17.01
10 28 13 13-0007	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	81.53	17.01
10 28 13 13-0008	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	128.10	17.01
10 28 13 13-0009	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	136.14	17.01
10 28 13 13-0010	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	140.86	17.01
10 28 13 13-0011	EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	202.33	7.56
10 28 13 13-0012	EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	253.62	17.01
10 28 13 13-0013	EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	306.33	17.01



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, And Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0014 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4362).....	361.41	17.01
10 28 13 13-0015 EA Semi-Recessed Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick Classic B-38616).....	825.89	17.01
10 28 13 13-0016 EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466).....	291.82	17.01
10 28 13 13-0017 Plastic Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0018 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262).....	57.19	17.01
10 28 13 13-0019 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860).....	116.28	17.01
10 28 13 13-0020 EA Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	131.88	17.01
10 28 13 13-0021 EA Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462).....	127.43	17.01
10 28 13 13-0022 Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0023 EA Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	62.15	17.01
10 28 13 13-0024 Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0025 Plastic Toilet Tissue Dispensers (10 28 13 13-0024)		
10 28 13 13-0026 EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288).....	57.19	17.01
10 28 13 13-0027 EA Single Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-52891).....	60.26	17.01
10 28 13 13-0028 EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	87.45	17.01
10 28 13 13-0029 EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	58.36	17.01
10 28 13 13-0030 EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784).....	64.83	17.01
10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0024)		
10 28 13 13-0032 EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730).....	51.75	17.01
10 28 13 13-0033 EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	51.98	17.01
10 28 13 13-0034 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740).....	56.71	17.01
10 28 13 13-0035 EA Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274).....	60.02	17.01
10 28 13 13-0036 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460).....	77.99	17.01
10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0024)		
10 28 13 13-0038 EA Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264).....	44.18	17.01
10 28 13 13-0039 EA Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	71.37	17.01
10 28 13 13-0040 EA Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	76.80	17.01
10 28 13 13-0041 EA Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272).....	83.19	17.01
10 28 13 13-0042 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265).....	51.98	17.01
10 28 13 13-0043 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888).....	89.57	17.01
10 28 13 13-0044 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	127.16	17.01
10 28 13 13-0045 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	134.72	17.01
10 28 13 13-0046 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	172.07	17.01
10 28 13 13-0047 EA Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892).....	187.43	17.01
10 28 13 13-0048 EA Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	271.11	17.01
Note: Mounts centered through toilet partitions.		
10 28 13 13-0049 EA Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840).....	100.44	17.01
10 28 13 13-0050 EA Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782).....	93.69	17.01
10 28 13 13-0051 EA Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796).....	99.41	17.01
10 28 13 13-0052 Soap Dispensers (10 28 13 13-0002)		
10 28 13 13-0053 EA 20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	68.77	17.01
<i>For 34 Fluid Ounce (B-822), Add</i>		
	3.95	
10 28 13 13-0054 EA 20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	74.44	17.01
<i>For 34 Fluid Ounce (B-822), Add</i>		
	3.95	
10 28 13 13-0055 EA 24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	45.13	17.01
10 28 13 13-0056 EA 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	48.68	17.01
10 28 13 13-0057 EA 32 Ounce, Surface Mounted, Stainless Steel Powdered Soap Dispenser (Bobrick B-132).....	89.10	17.01
10 28 13 13-0058 EA 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	60.26	17.01
10 28 13 13-0059 EA 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	62.63	17.01
10 28 13 13-0060 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	68.77	17.01
10 28 13 13-0061 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	87.68	17.01
10 28 13 13-0062 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	148.43	17.01
10 28 13 13-0063 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	243.22	17.01
10 28 13 13-0064 EA 80 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser And Shelf (Bobrick Classic B-2014).....	184.60	17.01

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0065 EA 800 ml. Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18)..... Note: Includes start-up kit.	178.22	17.01
10 28 13 13-0066 Facial Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0067 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	82.48	17.01
10 28 13 13-0068 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-355)	77.99	17.01
10 28 13 13-0069 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)		
10 28 13 13-0070 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	45.60	17.01
10 28 13 13-0071 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	62.39	17.01
10 28 13 13-0072 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	111.32	17.01
10 28 13 13-0073 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	111.09	17.01
10 28 13 13-0074 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	215.80	17.01
10 28 13 13-0075 Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)		
10 28 13 13-0076 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick TrimLine B-2800)	499.45	17.01
10 28 13 13-0077 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-282 25)	393.32	17.01
10 28 13 13-0078 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	398.52	17.01
10 28 13 13-0079 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Bobrick TrimLine B-3500 25)	460.45	17.01
10 28 13 13-0080 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0081 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	363.99	37.80
10 28 13 13-0082 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	425.45	37.80
10 28 13 13-0083 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	437.74	37.80
10 28 13 13-0084 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	508.42	37.80
10 28 13 13-0085 Receptacles (10 28 13 13-0001)		
10 28 13 13-0086 Wall Mounted Waste Receptacles (10 28 13 13-0085)		
10 28 13 13-0087 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Bobrick B-261)	109.19	17.01
10 28 13 13-0088 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	116.75	17.01
10 28 13 13-0089 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	271.33	37.80
10 28 13 13-0090 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	389.99	37.80
10 28 13 13-0091 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	312.70	37.80
10 28 13 13-0092 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0085)		
10 28 13 13-0093 EA Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	120.30	17.01
10 28 13 13-0094 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	227.39	7.56
10 28 13 13-0095 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	344.39	7.56
10 28 13 13-0096 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	310.12	7.56
10 28 13 13-0097 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0085)		
10 28 13 13-0098 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369)	216.26	37.80
10 28 13 13-0099 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369)	362.34	37.80
10 28 13 13-0100 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944)	359.50	37.80
10 28 13 13-0101 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900)	471.54	37.80
10 28 13 13-0102 EA 12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909)	646.94	37.80
10 28 13 13-0103 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961)	609.83	37.80
10 28 13 13-0104 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619)	762.29	37.80
10 28 13 13-0105 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944)	675.54	41.59
10 28 13 13-0106 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947)	469.18	41.59
10 28 13 13-0107 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0085)		
10 28 13 13-0108 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	63.57	18.90
10 28 13 13-0109 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	125.97	18.90
10 28 13 13-0110 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	137.55	18.90
10 28 13 13-0111 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	332.33	18.90
10 28 13 13-0112 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	173.01	18.90
10 28 13 13-0113 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	299.94	18.90



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, And Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0114 Grab Bars <small>(10 28 13 13-0001)</small>		
10 28 13 13-0115 1-1/4" Diameter, Stainless Steel Grab Bars <small>(10 28 13 13-0114)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0116 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x12).....	74.45	15.12
For Peened Grip, Add	4.32	
10 28 13 13-0117 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18).....	74.45	15.12
For Peened Grip, Add	4.32	
10 28 13 13-0118 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24).....	74.69	15.12
For Peened Grip, Add	4.34	
10 28 13 13-0119 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	76.35	15.12
For Peened Grip, Add	4.49	
10 28 13 13-0120 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	76.58	15.12
For Peened Grip, Add	4.51	
10 28 13 13-0121 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	78.95	15.12
For Peened Grip, Add	4.72	
10 28 13 13-0122 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	81.78	15.12
For Peened Grip, Add	4.98	
10 28 13 13-0123 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars <small>(10 28 13 13-0114)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0124 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	142.05	15.12
For Peened Grip, Add	10.06	
10 28 13 13-0125 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	144.88	15.12
For Peened Grip, Add	10.32	
10 28 13 13-0126 1-1/2" Diameter, Stainless Steel Grab Bars <small>(10 28 13 13-0114)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0127 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	74.93	15.12
For Peened Grip, Add	4.36	
10 28 13 13-0128 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	74.93	15.12
For Peened Grip, Add	4.36	
10 28 13 13-0129 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	76.58	15.12
For Peened Grip, Add	4.51	
10 28 13 13-0130 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	77.53	15.12
For Peened Grip, Add	4.60	
10 28 13 13-0131 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	79.42	15.12
For Peened Grip, Add	4.77	
10 28 13 13-0132 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	81.31	15.12
For Peened Grip, Add	4.94	
10 28 13 13-0133 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	85.33	15.12
For Peened Grip, Add	5.30	
10 28 13 13-0134 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars <small>(10 28 13 13-0114)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0135 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	100.51	15.12
For Peened Grip, Add	6.32	
10 28 13 13-0136 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	145.12	15.12
For Peened Grip, Add	10.34	
10 28 13 13-0137 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	146.77	15.12
For Peened Grip, Add	10.49	
10 28 13 13-0138 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars <small>(10 28 13 13-0114)</small>		
Note: Includes satin finish.		
10 28 13 13-0139 EA 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	312.02	15.12
For Peened Grip, Add	25.70	
10 28 13 13-0140 Shelves <small>(10 28 13 13-0001)</small>		
10 28 13 13-0141 EA 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	83.42	17.01
10 28 13 13-0142 EA 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	85.55	17.01
10 28 13 13-0143 EA 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	96.19	17.01
10 28 13 13-0144 EA 5" Width x 36" Length, Stainless Steel Shelf (Bobrick B-295).....	120.06	17.01
10 28 13 13-0145 EA 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	96.19	17.01
10 28 13 13-0146 EA 6" Width x 24" Length, Stainless Steel Shelf (Bobrick B-296).....	108.95	17.01
10 28 13 13-0147 EA 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	102.81	17.01
10 28 13 13-0148 EA 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	112.03	17.01
10 28 13 13-0149 EA 8" Width x 36" Length, Stainless Steel Shelf (Bobrick B-298).....	143.94	17.01
10 28 13 13-0150 EA 6-1/4" Width x 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-7676).....	81.77	17.01
10 28 13 13-0151 EA 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	102.10	17.01
10 28 13 13-0152 EA 4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683).....	104.22	17.01
10 28 13 13-0153 EA 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	167.35	17.01
10 28 13 13-0154 EA 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	179.00	17.01
10 28 13 13-0155 EA 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	196.98	17.01
10 28 13 13-0156 EA 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	245.90	17.01
10 28 13 13-0157 EA 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	335.02	17.01
10 28 13 13-0158 EA 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	140.02	17.01

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0159 Changing Stations <small>(10 28 13 13-0001)</small>					
	10 28 13 13-0160	EA	Horizontal, Wall-Mounted, Polyethylene Child Protection Seat (Bobrick Koala Care KB102-00).....	164.96	22.68
	10 28 13 13-0161	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB100-00).....	383.38	22.68
	10 28 13 13-0162	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	383.38	22.68
	10 28 13 13-0163	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-00-SSRE).....	1,645.15	22.68
	10 28 13 13-0164	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-00-SSWM).....	1,938.28	22.68
	10 28 13 13-0165	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	306.71	22.68
10 28 13 13-0166 Folding Shower Seats <small>(10 28 13 13-0001)</small>					
	10 28 13 13-0167	EA	33" Width, Wall-Mounted, Reversible, Folding , Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	401.79	30.24
	10 28 13 13-0168	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde Folding Shower Seat (Bobrick B-517/518).....	510.53	30.24
	10 28 13 13-0169	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	497.93	30.24
10 28 13 13-0170 Soap/Dish Holders <small>(10 28 13 13-0001)</small>					
	10 28 13 13-0171	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Bobrick B-7679).....	43.00	17.01
	10 28 13 13-0172	EA	Surface Mounted, Stainless Steel Soap Dish (Bobrick B-7680).....	43.48	17.01
	10 28 13 13-0173	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	79.88	17.01
	10 28 13 13-0174	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	87.21	17.01
10 28 13 13-0175 Shower Curtains/Curtain Rods <small>(10 28 13 13-0001)</small>					
	10 28 13 13-0176	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	1.98	0.75
	10 28 13 13-0177	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)..... Note: Requires 7 curtain hooks.	39.94	7.56
	10 28 13 13-0178	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)..... Note: Requires 12 curtain hooks.	42.54	7.56
	10 28 13 13-0179	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	61.20	17.01
	10 28 13 13-0180	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	65.46	17.01
	10 28 13 13-0181	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	70.66	17.01
	10 28 13 13-0182	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	75.86	17.01
	10 28 13 13-0183	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107).....	55.29	17.01
	10 28 13 13-0184	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107).....	59.79	17.01
	10 28 13 13-0185	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107).....	62.86	17.01
	10 28 13 13-0186	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107).....	67.59	17.01
	10 28 13 13-0187	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	56.48	17.01
	10 28 13 13-0188	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	60.97	17.01
	10 28 13 13-0189	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	65.93	17.01
	10 28 13 13-0190	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	70.19	17.01
10 28 13 13-0191 Hand Dryers <small>(10 28 13 13-0001)</small>					
	10 28 13 13-0192	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710).....	393.70	20.59
	10 28 13 13-0193	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick AirPro B-709).....	537.89	20.59
	10 28 13 13-0194	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick Air Guard B-708).....	600.53	20.59
	10 28 13 13-0195	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hair Dryer (Bobrick AirCraft B-731).....	802.87	20.59
	10 28 13 13-0196	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick AirCraft B-750).....	890.80	20.59
	10 28 13 13-0197	EA	Recessed Mounted, Automatic Sensor, Color Cast-Iron Cover Hand Dryer (Bobrick AirCraft B-7507).....	1,001.43	20.59
	10 28 13 13-0198	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer Model A).....	523.48	20.59
	10 28 13 13-0199	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer Model A).....	583.92	20.59
	10 28 13 13-0200	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60).....	538.91	20.59
	10 28 13 13-0201	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	558.20	20.59
	10 28 13 13-0202	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR).....	578.77	20.59
	10 28 13 13-0203	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR).....	664.12	20.59
	10 28 13 13-0204	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12).....	851.95	20.59
	10 28 13 13-0205	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14).....	1,451.95	20.59
	10 28 13 13-0206	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	652.95	20.59
	10 28 13 13-0207	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	687.95	20.59
	10 28 13 13-0208	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	707.95	20.59
	10 28 13 13-0209	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	727.95	20.59
	10 28 13 13-0210	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	767.95	20.59
	10 28 13 13-0211	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)..... Note: Electronically adjustable sound and speed.	532.95	20.59



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, And Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0212 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	567.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0213 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	587.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0214 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	607.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0215 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	647.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0216 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7).....	532.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0217 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M).....	567.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0218 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG).....	587.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0219 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	607.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0220 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7- SS).....	647.95	20.59
Note: Electronically adjustable sound and speed.		
10 28 13 13-0221 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	392.95	20.59
10 28 13 13-0222 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	427.95	20.59
10 28 13 13-0223 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	447.95	20.59
10 28 13 13-0224 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	467.95	20.59
10 28 13 13-0225 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	507.95	20.59
10 28 13 13-0226 EA Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	392.95	20.59
10 28 13 13-0227 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	427.95	20.59
10 28 13 13-0228 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH).....	447.95	20.59
10 28 13 13-0229 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	467.95	20.59
10 28 13 13-0230 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	507.95	20.59
10 28 13 13-0231 EA Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	292.95	20.59
10 28 13 13-0232 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	327.95	20.59
10 28 13 13-0233 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	367.95	20.59
10 28 13 13-0234 Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0235 Hooks (10 28 13 13-0234)		
10 28 13 13-0236 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	21.27	7.56
10 28 13 13-0237 EA Single Stainless Steel Robe Hook (Bobrick B-7671).....	21.75	7.56
10 28 13 13-0238 EA Double Stainless Steel Robe Hook (Bobrick B-7672).....	23.39	7.56
10 28 13 13-0239 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	40.18	7.56
10 28 13 13-0240 Clotheslines (10 28 13 13-0234)		
10 28 13 13-0241 EA Surface Mounted, Stainless Steel Retractable Clothesline (Bobrick B-7636).....	43.25	15.12
10 28 13 13-0242 Towel Bars (10 28 13 13-0234)		
10 28 13 13-0243 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-7673).....	54.35	17.01
10 28 13 13-0244 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-7673).....	56.95	17.01
10 28 13 13-0245 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-7674).....	51.98	17.01
10 28 13 13-0246 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-7674).....	52.69	17.01
10 28 13 13-0247 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	76.80	17.01
10 28 13 13-0248 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	80.11	17.01
10 28 13 13-0249 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	79.17	17.01
10 28 13 13-0250 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	82.00	17.01
10 28 13 13-0251 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	82.48	17.01
10 28 13 13-0252 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	85.08	17.01
10 28 13 13-0253 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	66.40	17.01
10 28 13 13-0254 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	69.24	17.01
10 28 13 13-0255 Towel Bar With Shelf (10 28 13 13-0234)		
10 28 13 13-0256 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	150.32	17.01

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0257 Towel Pins <small>(10 28 13 13-0234)</small>		
10 28 13 13-0258 EA Stainless Steel Towel Pin (Bobrick B-677).....	38.40	7.56
10 28 13 13-0259 Mirrors <small>(10 28 13 13)</small>		
10 28 13 13-0260 Stainless Steel Channel Frame Glass Mirrors <small>(10 28 13 13-0259)</small>		
10 28 13 13-0261 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1624).....	95.01	18.90
10 28 13 13-0262 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	95.01	18.90
10 28 13 13-0263 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	99.26	18.90
For Tempered Glass (B-1658), Add	35.08	
10 28 13 13-0264 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	108.24	18.90
For Tempered Glass (B-1658), Add	41.36	
10 28 13 13-0265 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	119.35	18.90
10 28 13 13-0266 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	123.85	18.90
For Tempered Glass (B-1658), Add	52.29	
10 28 13 13-0267 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	154.57	18.90
10 28 13 13-0268 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	179.39	18.90
10 28 13 13-0269 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 3636).....	204.21	18.90
10 28 13 13-0270 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	254.09	18.90
10 28 13 13-0271 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 6036).....	296.40	18.90
10 28 13 13-0272 Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0259)</small>		
10 28 13 13-0273 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	149.61	18.90
10 28 13 13-0274 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	161.43	18.90
10 28 13 13-0275 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	169.47	18.90
10 28 13 13-0276 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	191.21	18.90
10 28 13 13-0277 Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0259)</small>		
10 28 13 13-0278 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	134.48	18.90
10 28 13 13-0279 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	142.99	18.90
For Tempered Glass (B-2908), Add	61.93	
10 28 13 13-0280 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	153.63	18.90
For Tempered Glass (B-2908), Add	68.96	
10 28 13 13-0281 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	172.30	18.90
10 28 13 13-0282 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	173.25	18.90
For Tempered Glass (B-2908), Add	81.91	
10 28 13 13-0283 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	229.98	18.90
10 28 13 13-0284 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	270.40	18.90
10 28 13 13-0285 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	311.92	18.90
10 28 13 13-0286 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 3636).....	255.04	18.90
10 28 13 13-0287 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 4836).....	305.15	18.90
10 28 13 13-0288 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 7236).....	415.06	18.90
10 28 13 13-0289 Stainless Steel Angle Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0259)</small>		
10 28 13 13-0290 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1824).....	251.73	18.90
10 28 13 13-0291 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	264.02	18.90
10 28 13 13-0292 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	277.02	18.90
10 28 13 13-0293 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	308.69	18.90
10 28 13 13-0294 Frameless Stainless Steel Mirrors <small>(10 28 13 13-0259)</small>		
10 28 13 13-0295 EA 15-1/2" x 19-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1620).....	114.63	18.90
10 28 13 13-0296 EA 15-1/2" x 23-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1624).....	128.57	18.90
10 28 13 13-0297 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	151.03	18.90
10 28 13 13-0298 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	196.18	18.90
10 28 13 13-0299 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors <small>(10 28 13 13-0259)</small>		
10 28 13 13-0300 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	202.56	18.90
10 28 13 13-0301 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	213.67	18.90
10 28 13 13-0302 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	257.16	18.90
10 28 13 13-0303 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	316.49	18.90
10 28 13 13-0304 Medicine Cabinets <small>(10 28 13 13)</small>		
10 28 13 13-0305 Metal Medicine Cabinets <small>(10 28 13 13-0304)</small>		
10 28 13 13-0306 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	229.55	37.80
10 28 13 13-0307 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	168.51	37.80
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0308 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297).....	178.43	37.80
Note: Includes two fixed shelves with baked white enamel finish.		



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, And Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0309 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	371.08	37.80
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0310 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	525.91	37.80
Note: Includes four adjustable shelves.		
10 28 13 13-0311 Ash Trays <small>(10 28 13 13)</small>		
10 28 13 13-0312 EA Compact Type, Surface Mounted, Stainless Steel Wall Urn Ash Tray (Bobrick B-240)	57.67	15.12
10 28 13 13-0313 Janitorial Material <small>(10 28 13 13)</small>		
10 28 13 13-0314 EA Stainless Steel Pail And Ladder Hook (Bobrick B-670)	35.68	7.56
10 28 13 13-0315 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	90.99	17.01
10 28 13 13-0316 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	93.82	17.01
10 28 13 13-0317 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x30)	115.33	17.01
10 28 13 13-0318 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	106.82	17.01
10 28 13 13-0319 EA 36" Length, Utility Hook Strip (Bobrick B-232x36)	106.82	17.01
10 28 13 13-0320 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	225.72	17.01
10 28 13 13-0321 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	331.86	17.01
10 28 13 13-0322 Remove And Reinstall Bathroom Accessories <small>(10 28 13 13)</small>		
10 28 13 13-0323 EA Remove And Reinstall Bathroom Accessory	23.63	
10 28 13 19 Healthcare Toilet Accessories <small>(10 28 13)</small>		
10 28 13 19-0001 EA Surface Mounted, Stainless Steel Bed Pan/Urinal Holder (Bradley BR-9905)	199.95	23.67
10 28 13 19-0002 EA Recessed Mounted, Stainless Steel Bed Pan Storage Cabinet (Bradley BR-990)	640.56	23.67
10 28 13 19-0003 EA Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	193.03	62.99
10 28 16 Bath Accessories <small>(10 28)</small>		
10 28 16 13 Residential Bath Accessories <small>(10 28 16)</small>		
10 28 16 13-0001 Toilet Accessories <small>(10 28 16 13)</small>		
10 28 16 13-0002 Recessed Mounted, Chrome Plated Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0003 EA Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	54.65	17.01
10 28 16 13-0004 EA Recessed Mounted, Chrome Plated Soap Dish	67.30	17.01
10 28 16 13-0005 EA Recessed Mounted, Chrome Plated Soap Dish And Bar	69.87	17.01
10 28 16 13-0006 EA Recessed Mounted, Chrome Plated Tumbler Holder	55.74	17.01
10 28 16 13-0007 Surface Mounted, Chrome Plated Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0008 EA Surface Mounted, Chrome Plated Soap Dish	32.96	11.35
10 28 16 13-0009 EA Surface Mounted, Chrome Plated Single Clothes Hook	35.82	11.35
10 28 16 13-0010 EA Surface Mounted, Chrome Plated Double Clothes Hook	35.82	11.35
10 28 16 13-0011 LF 6" Deep, Surface Mounted, Chrome Plated Supports, Glass Shelf	58.18	11.35
10 28 16 13-0012 LF 6" Deep, Surface Mounted, Stainless Steel Shelf	50.97	11.35
10 28 16 13-0013 EA 18" Length, Surface Mounted, Chrome Plated Towel Bar	43.09	15.12
10 28 16 13-0014 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar	43.41	15.12
10 28 16 13-0015 EA Surface Mounted, Chrome Plated Towel Ring	32.25	11.35
10 28 16 13-0016 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	21.63	17.01
10 28 16 13-0017 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	32.96	11.35
10 28 16 13-0018 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	52.18	11.35
10 28 16 13-0019 EA Surface Mounted, Chrome Plated Globe Soap Dispenser	36.81	11.35
10 28 16 13-0020 EA Surface Mounted, Chrome Plated Towel Pin	38.11	11.35
10 28 16 13-0021 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf	81.82	11.35
10 28 16 13-0022 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	49.56	11.35
10 28 16 13-0023 EA 24" Length, Cut To Size Plastic Bar, Surface Mounted, Ceramic Base Towel Bar	61.12	11.35
10 28 16 13-0024 Solid Oak Medicine Cabinets <small>(10 28 16 13-0001)</small>		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025 EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	295.54	37.80
10 28 16 13-0026 EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	367.64	37.80
10 28 16 13-0027 EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	312.71	37.80
10 28 16 13-0028 EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	391.06	37.80
10 28 16 13-0029 EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	323.54	37.80
10 28 16 13-0030 EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	411.64	37.80
10 28 16 13-0031 EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	338.41	37.80
10 28 16 13-0032 EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	436.78	37.80
10 28 16 13-0033 Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0034 EA Surface Mounted Paper Towel Dispenser, Plastic	50.31	17.01
10 28 16 13-0035 EA Surface Mounted Napkin Disposal, Plastic	46.71	17.01
10 28 16 13-0036 EA Soap Dispenser For Soaps And Detergent, 50 Fluid Oz, Plastic	47.98	

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0037 EA Soap Dispenser For Antibacterial Soaps, 50 Fluid Oz, Plastic	51.79	17.01
10 28 16 13-0038 EA Multi Roll (2) Toilet Tissue Dispenser, Plastic.....	50.32	17.01
10 28 16 13-0039 EA Single Jumbo Roll Toilet Tissue Dispenser, Plastic.....	61.61	20.80
10 28 16 13-0040 EA Surface Mounted Toilet Seat Cover Dispenser, Plastic	38.29	15.12
10 28 16 13-0041 EA Waste Door For Countertops, 13 Gallon, Plastic	105.37	28.36

10 28 19 Tub and Shower Enclosures (10 28)**10 28 19 16 Shower Doors (10 28 19)****10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)****10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)**

10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	334.69	20.33
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	339.19	20.33
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	344.98	20.33
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	349.48	20.33
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	358.49	20.33

10 28 19 16-0008 Sliding Shower Doors (10 28 19 16)**10 28 19 16-0009 Framed, Sliding Shower Doors (10 28 19 16-0008)**

10 28 19 16-0010 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	485.54	20.33
10 28 19 16-0011 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	492.48	20.33
10 28 19 16-0012 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	504.40	20.33
10 28 19 16-0013 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	517.08	20.33
10 28 19 16-0014 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	524.15	20.33
10 28 19 16-0015 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	534.62	20.33

10 28 19 19 Tub Doors (10 28 19)**10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)****10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)**

10 28 19 19-0003 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	479.18	20.33
10 28 19 19-0004 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	484.28	20.33
10 28 19 19-0005 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	495.81	20.33

10 40 Safety Specialties (10)**10 41 Emergency Access And Information Cabinets (10 40)****10 41 13 Fire Department Plan Cabinets (10 41)****10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)**

10 41 13 00-0002 EA 18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	837.52	24.57
For Tamper Switch Connected To Existing Alarm System, Add	40.00	
For Dual Locks, Add	60.00	
For Back Key Hook Panel, Add	57.82	
For Swing Key Hook Panel, Add	156.82	
For Non-Locking Weather Housing, Add	393.45	
10 41 13 00-0003 EA 18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	887.33	24.57
For Tamper Switch Connected To Existing Alarm System, Add	40.00	
For Dual Locks, Add	60.00	
For Back Key Hook Panel, Add	57.82	
For Swing Key Hook Panel, Add	156.82	
For Second Swing Key Hook Panel, Add	123.82	
For Non-Locking Weather Housing, Add	393.45	

10 41 16 Emergency Key Cabinets (10 41)**10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)**



Specialties	10
Safety Specialties	10 40
Emergency Access And Information Cabinets	10 41

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 16 00-0002 EA Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	424.08	24.57
For Tamper Switch Connected To Existing Alarm System, Add	40.00	
10 41 16 00-0003 EA 5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox- Box 3200).....	374.26	24.57
For Lift-Off Door, Deduct	-40.00	
For Aluminum Or Dark Bronze Finish, Add	10.00	
For Tamper Switch Connected To Existing Alarm System, Add	40.00	
For Recess Mount, Add	54.08	
For Cast-In-Place Concrete Recess Mounting, Add	119.00	
10 41 16 00-0004 EA 6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox- Vault 4100).....	496.30	24.57
For Aluminum Or Dark Bronze Finish, Add	10.00	
For Tamper Switch Connected To Existing Alarm System, Add	40.00	
For Recess Mount, Add	54.08	
For Dual Locks, Add	60.00	
For Cast-In-Place Concrete Recess Mounting, Add	130.00	
10 41 16 00-0005 EA 7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	527.44	24.57
For Aluminum Or Dark Bronze Finish, Add	10.00	
For Tamper Switch Connected To Existing Alarm System, Add	40.00	
For Recess Mount, Add	54.08	
For Dual Locks, Add	60.00	
For Cast-In-Place Concrete Recess Mounting, Add	135.00	

10 44 Fire Protection Specialties (10 40)

10 44 13 Fire Protection Cabinets (10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	240.92	30.99
10 44 13 00-0005 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	244.84	30.99
10 44 13 00-0006 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	245.62	30.99
10 44 13 00-0007 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	269.93	30.99
10 44 13 00-0008 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	333.44	30.99
10 44 13 00-0009 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	342.06	30.99

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	273.16	30.99
10 44 13 00-0012 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	278.14	30.99
10 44 13 00-0013 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	286.45	30.99
10 44 13 00-0014 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	300.57	30.99
10 44 13 00-0015 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	344.29	30.99
10 44 13 00-0016 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	357.58	30.99

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	341.83	30.99
10 44 13 00-0019 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	350.28	30.99
10 44 13 00-0020 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	354.50	30.99
10 44 13 00-0021 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	383.38	30.99
10 44 13 00-0022 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	441.54	30.99
10 44 13 00-0023 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	459.14	30.99

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	918.66	30.99
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	925.37	30.99
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,062.20	30.99

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	291.88	30.99
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	321.68	30.99

10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	262.09	30.99
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	269.93	30.99
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	270.71	30.99

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	297.37	30.99
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	350.69	30.99
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	359.31	30.99
10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	310.24	30.99
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	322.70	30.99
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	330.17	30.99
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	344.29	30.99
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	393.29	30.99
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	404.92	30.99
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	378.86	30.99
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	388.72	30.99
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	392.95	30.99
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	414.78	30.99
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	469.00	30.99
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	480.97	30.99
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,157.61	30.99
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,163.24	30.99
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,333.19	30.99
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	320.11	30.99
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	348.34	30.99
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	255.82	30.99
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	260.52	30.99
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	298.16	30.99
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	344.42	30.99
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	356.96	30.99
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	389.14	30.99
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	399.93	30.99
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	424.02	30.99
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	471.35	30.99
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	491.29	30.99
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	440.13	30.99
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	453.51	30.99
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	486.61	30.99
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	550.69	30.99
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	570.41	30.99
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,327.89	30.99
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,496.54	30.99
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	302.86	30.99
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	337.36	30.99
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	458.11	30.99
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories (10 44 13 00-0001)		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism.....	24.92	9.45
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets.....	22.81	9.45
10 44 13 00-0089 EA Replacement Standard Pull Handle.....	21.53	9.45
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	64.89	18.90
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	111.46	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	122.61	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	167.19	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	228.49	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	267.50	
10 44 13 00-0096 EA Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	64.65	
10 44 13 00-0097 EA Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	66.88	
10 44 13 00-0098 EA Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	89.17	
10 44 13 00-0099 EA Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	161.62	
10 44 13 00-0100 EA Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	163.85	
10 44 13 00-0101 EA Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	65.80	
10 44 13 00-0102 EA Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	69.09	
10 44 13 00-0103 EA Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	93.21	
10 44 13 00-0104 EA Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	164.49	
10 44 13 00-0105 EA Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	166.68	
10 44 13 00-0106 Fire Hose Cabinets (10 44 13)		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107 Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	355.90	94.25
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	361.54	94.25
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	366.24	94.25
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	370.95	94.25
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	376.59	94.25
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	391.64	94.25
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	396.34	94.25
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	385.15	94.25
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	394.40	94.25
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	395.60	94.25
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	399.44	94.25
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	404.48	94.25
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	418.77	94.25
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	433.06	94.25
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	468.35	94.25
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	512.05	94.25
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	516.26	94.25
For Solid Stainless Steel Door, Deduct	-7.70	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0128	EA		38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	529.70	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0129	EA		38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	533.90	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0130	EA		30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	555.75	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0131	EA		38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	577.60	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0132			Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0133			Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)		
			Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	370.95	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0135	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	376.59	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0136	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	381.29	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0137	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	386.93	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0138	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	391.64	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0139	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	406.68	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0140	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	412.32	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0141			Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)		
			Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	394.40	94.25
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0143	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	404.48	94.25
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0144	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	405.92	94.25
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0145	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	408.68	94.25
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0146	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	413.73	94.25
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0147	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	428.01	94.25
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0148	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	442.30	94.25
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0149			Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)		
			Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	494.41	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0151	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	542.31	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0152	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	546.51	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0153	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	559.96	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0154	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	564.16	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0155	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	586.01	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0156	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	607.86	94.25
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0157			Surface Mount Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0158			Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)		
			Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	376.59	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0160	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	381.29	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0161	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	386.93	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0162	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	391.64	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0163	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	396.34	94.25
			<i>For Solid Steel Door, Deduct</i>	-8.60	



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0164	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	418.32 -8.60	94.25
10 44 13 00-0165	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	417.03 -8.60	94.25
10 44 13 00-0166			Aluminum Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small> Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	418.77 6.50	94.25
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	428.01 6.50	94.25
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	430.41 6.50	94.25
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	433.06 6.50	94.25
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	437.26 6.50	94.25
10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	452.39 6.50	94.25
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	461.63 6.50	94.25
10 44 13 00-0174			Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small> Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	529.70 -7.70	94.25
10 44 13 00-0176	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	669.21 -7.70	94.25
10 44 13 00-0177	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	704.50 -7.70	94.25
10 44 13 00-0178	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	712.91 -7.70	94.25
10 44 13 00-0179	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	721.31 -7.70	94.25
10 44 13 00-0180	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	756.61 -7.70	94.25
10 44 13 00-0181	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	800.31 -7.70	94.25
10 44 16			Fire Extinguishers <small>(10 44)</small>		
10 44 16 13			Portable Fire Extinguishers <small>(10 44 16)</small> Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001			Carbon Dioxide Type, Class BC Portable Fire Extinguisher <small>(10 44 16 13)</small>		
10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	170.78 -6.02 -12.04 -25.20	9.82
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	257.11 -9.95 -19.90 -29.08	11.35
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	334.46 -12.94 -25.89 -37.81	14.37
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	411.11 -15.83 -31.66 -47.26	18.15
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	457.14 -18.13 -36.26 -47.26	18.15
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	1,561.93 -70.54 -141.07	28.73
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	3,048.14 -144.85 -289.69	28.73
10 44 16 13-0009			Dry Chemical Type, Class ABC Portable Fire Extinguisher <small>(10 44 16 13)</small>		
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	95.59 -2.26 -4.52 -25.20	9.82

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	123.26	11.35
			<i>For >5 To 10, Deduct</i>	-3.26	
			<i>For >10, Deduct</i>	-6.51	
			<i>For Placement In Cabinet, Deduct</i>	-29.08	
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	177.65	14.37
			<i>For >5 To 10, Deduct</i>	-5.10	
			<i>For >10, Deduct</i>	-10.20	
			<i>For Placement In Cabinet, Deduct</i>	-37.81	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	255.11	18.15
			<i>For >5 To 10, Deduct</i>	-8.03	
			<i>For >10, Deduct</i>	-16.06	
			<i>For Placement In Cabinet, Deduct</i>	-47.26	
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,837.04	28.73
			<i>For >5 To 10, Deduct</i>	-84.29	
			<i>For >10, Deduct</i>	-168.58	
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,796.39	28.73
			<i>For >5 To 10, Deduct</i>	-132.26	
			<i>For >10, Deduct</i>	-264.52	
10 44 16 13-0016			Other Portable Fire Extinguishers (10 44 16 13)		
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	191.68	11.35
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-6.68	
			<i>For >10, Deduct</i>	-13.35	
			<i>For Placement In Cabinet, Deduct</i>	-29.08	
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	287.22	18.15
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-9.64	
			<i>For >10, Deduct</i>	-19.27	
			<i>For Placement In Cabinet, Deduct</i>	-47.26	
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	302.03	18.15
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-10.38	
			<i>For >10, Deduct</i>	-20.75	
			<i>For Placement In Cabinet, Deduct</i>	-47.26	
10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher.....	453.22	18.15
			Note: Yellow steel.		
			<i>For >5 To 10, Deduct</i>	-17.94	
			<i>For >10, Deduct</i>	-35.87	
10 44 16 13-0021			Recharge Existing Portable Fire Extinguishers (10 44 16 13)		
			Note: Includes removal, filling, testing, certification and reinstallation.		
10 44 16 13-0022			Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0023	EA		Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher.....	8.66	
10 44 16 13-0024	EA		Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher.....	9.62	
10 44 16 13-0025	EA		Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher.....	10.00	
10 44 16 13-0026	EA		Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher.....	11.32	
10 44 16 13-0027	EA		Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher.....	13.08	
10 44 16 13-0028			Recharge Dry Chemical, Class ABC Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0029	EA		Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher.....	10.44	
10 44 16 13-0030	EA		Recharge 5 LB Dry Chemical Portable Fire Extinguisher.....	12.64	
10 44 16 13-0031	EA		Recharge 10 LB Dry Chemical Portable Fire Extinguisher.....	17.87	
10 44 16 13-0032	EA		Recharge 20 LB Dry Chemical Portable Fire Extinguisher.....	28.20	
10 44 16 13-0033			Recharge Other Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0034	EA		Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher.....	10.33	
10 44 16 13-0035	EA		Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	73.66	
10 44 16 13-0036	EA		Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	103.12	
10 44 16 13-0037	EA		Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	42.46	
10 44 16 13-0038			Fire Extinguisher Backboards (10 44 16 13)		
10 44 16 13-0039			Fire Extinguisher Backboards (10 44 16 13-0038)		
			Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0040	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	84.85	12.97
10 44 16 13-0041	EA		Relocate Fire Extinguisher Wood Backboard, Any Size.....	114.44	
			Note: Includes storage and cleaning.		
10 44 16 13-0042			Inspections And Testing (10 44 16 13)		
10 44 16 13-0043	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	9.34	
10 44 16 13-0044	EA		On Site Fire Extinguisher Hydrotest.....	13.74	
10 44 19			Fire Blankets (10 44)		



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44	19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	293.75	30.99
10 44	19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	219.26	30.99

10 50 Storage Specialties ⁽¹⁰⁾

10 51 Lockers ^(10 50)

10 51 13 Metal Lockers ^(10 51)

10 51 13 00-0001 Institutional And Corridor Lockers ^(10 51 13)

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker ^(10 51 13 00-0001)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	157.70	23.44	
		For >25 To 50, Deduct	-5.54		
		For >50 To 100, Deduct	-11.79		
		For >100, Deduct	-18.03		
		For 14 Gauge Doors, Add	8.87		
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	163.57	23.44	
		For >25 To 50, Deduct	-5.83		
		For >50 To 100, Deduct	-12.37		
		For >100, Deduct	-18.91		
		For 14 Gauge Doors, Add	9.34		
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	171.60	23.44	
		For >25 To 50, Deduct	-6.24		
		For >50 To 100, Deduct	-13.18		
		For >100, Deduct	-20.11		
		For 14 Gauge Doors, Add	9.98		
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	171.39	24.19	
		For >25 To 50, Deduct	-6.15		
		For >50 To 100, Deduct	-13.03		
		For >100, Deduct	-19.90		
		For 14 Gauge Doors, Add	9.84		
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	176.26	24.19	
		For >25 To 50, Deduct	-6.39		
		For >50 To 100, Deduct	-13.51		
		For >100, Deduct	-20.63		
		For 14 Gauge Doors, Add	10.23		
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	181.00	24.19	
		For >25 To 50, Deduct	-6.63		
		For >50 To 100, Deduct	-13.99		
		For >100, Deduct	-21.34		
		For 14 Gauge Doors, Add	10.61		
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	189.20	24.19	
		For >25 To 50, Deduct	-7.04		
		For >50 To 100, Deduct	-14.81		
		For >100, Deduct	-22.57		
		For 14 Gauge Doors, Add	11.26		
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	197.30	24.19	
		For >25 To 50, Deduct	-7.45		
		For >50 To 100, Deduct	-15.62		
		For >100, Deduct	-23.79		
		For 14 Gauge Doors, Add	11.91		
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	205.89	24.19	
		For >25 To 50, Deduct	-7.88		
		For >50 To 100, Deduct	-16.48		
		For >100, Deduct	-25.08		
		For 14 Gauge Doors, Add	12.60		
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	213.82	24.19	
		For >25 To 50, Deduct	-8.27		
		For >50 To 100, Deduct	-17.27		
		For >100, Deduct	-26.27		
		For 14 Gauge Doors, Add	13.23		
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	286.27	24.19	
		For >25 To 50, Deduct	-11.89		
		For >50 To 100, Deduct	-24.51		
		For >100, Deduct	-37.13		
		For 14 Gauge Doors, Add	19.03		
10 51 13 00-0014	Two Tier Institutional Or Corridor Locker ^(10 51 13 00-0001)				
	Note: Includes three single hooks and one double hook per tier.				
10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	185.09	24.19	
		For >25 To 50, Deduct	-6.84		
		For >50 To 100, Deduct	-14.40		
		For >100, Deduct	-21.96		
		For 14 Gauge Doors, Add	15.04		

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0016 EA 12" x 15" x 60" Two Tier Institutional Or Corridor Locker	188.79	24.19
For >25 To 50, Deduct	-7.02	
For >50 To 100, Deduct	-14.77	
For >100, Deduct	-22.51	
For 14 Gauge Doors, Add	15.44	
10 51 13 00-0017 EA 12" x 18" x 60" Two Tier Institutional Or Corridor Locker	192.52	24.19
For >25 To 50, Deduct	-7.21	
For >50 To 100, Deduct	-15.14	
For >100, Deduct	-23.07	
For 14 Gauge Doors, Add	15.85	
10 51 13 00-0018 EA 12" x 12" x 72" Two Tier Institutional Or Corridor Locker	193.40	24.95
For >25 To 50, Deduct	-7.18	
For >50 To 100, Deduct	-15.10	
For >100, Deduct	-23.02	
For 14 Gauge Doors, Add	15.79	
10 51 13 00-0019 EA 12" x 15" x 72" Two Tier Institutional Or Corridor Locker	201.48	24.95
For >25 To 50, Deduct	-7.58	
For >50 To 100, Deduct	-15.91	
For >100, Deduct	-24.23	
For 14 Gauge Doors, Add	16.67	
10 51 13 00-0020 EA 12" x 18" x 72" Two Tier Institutional Or Corridor Locker	206.36	24.95
For >25 To 50, Deduct	-7.82	
For >50 To 100, Deduct	-16.39	
For >100, Deduct	-24.97	
For 14 Gauge Doors, Add	17.21	
10 51 13 00-0021 EA 15" x 15" x 72" Two Tier Institutional Or Corridor Locker	213.36	24.95
For >25 To 50, Deduct	-8.17	
For >50 To 100, Deduct	-17.09	
For >100, Deduct	-26.02	
For 14 Gauge Doors, Add	17.98	
10 51 13 00-0022 EA 15" x 18" x 72" Two Tier Institutional Or Corridor Locker	220.39	24.95
For >25 To 50, Deduct	-8.52	
For >50 To 100, Deduct	-17.80	
For >100, Deduct	-27.07	
For 14 Gauge Doors, Add	18.75	
10 51 13 00-0023 EA 18" x 18" x 72" Two Tier Institutional Or Corridor Locker	252.19	24.95
For >25 To 50, Deduct	-10.11	
For >50 To 100, Deduct	-20.98	
For >100, Deduct	-31.84	
For 14 Gauge Doors, Add	22.25	
10 51 13 00-0024 EA 18" x 21" x 72" Two Tier Institutional Or Corridor Locker	257.96	24.95
For >25 To 50, Deduct	-10.40	
For >50 To 100, Deduct	-21.55	
For >100, Deduct	-32.71	
For 14 Gauge Doors, Add	22.89	
10 51 13 00-0025 Three Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
Note: Includes one double hook per tier.		
10 51 13 00-0026 EA 12" x 12" x 72" Three Tier Institutional Or Corridor Locker	216.39	25.71
For >25 To 50, Deduct	-8.25	
For >50 To 100, Deduct	-17.27	
For >100, Deduct	-26.29	
For 14 Gauge Doors, Add	24.75	
10 51 13 00-0027 EA 12" x 15" x 72" Three Tier Institutional Or Corridor Locker	220.18	25.71
For >25 To 50, Deduct	-8.44	
For >50 To 100, Deduct	-17.65	
For >100, Deduct	-26.86	
For 14 Gauge Doors, Add	25.31	
10 51 13 00-0028 EA 12" x 18" x 72" Three Tier Institutional Or Corridor Locker	233.68	25.71
For >25 To 50, Deduct	-9.11	
For >50 To 100, Deduct	-19.00	
For >100, Deduct	-28.88	
For 14 Gauge Doors, Add	27.34	
10 51 13 00-0029 EA 15" x 15" x 72" Three Tier Institutional Or Corridor Locker	246.61	25.71
For >25 To 50, Deduct	-9.76	
For >50 To 100, Deduct	-20.29	
For >100, Deduct	-30.82	
For 14 Gauge Doors, Add	29.28	
10 51 13 00-0030 EA 15" x 18" x 72" Three Tier Institutional Or Corridor Locker	256.90	25.71
For >25 To 50, Deduct	-10.27	
For >50 To 100, Deduct	-21.32	
For >100, Deduct	-32.36	
For 14 Gauge Doors, Add	30.82	
10 51 13 00-0031 Four Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0032 EA 12" x 12" x 72" Four Tier Institutional Or Corridor Locker	212.82	26.47
For >25 To 50, Deduct	-7.99	
For >50 To 100, Deduct	-16.78	
For >100, Deduct	-25.57	
10 51 13 00-0033 EA 12" x 15" x 72" Four Tier Institutional Or Corridor Locker	219.45	26.47
For >25 To 50, Deduct	-8.33	
For >50 To 100, Deduct	-17.45	
For >100, Deduct	-26.57	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	230.11 -8.86 -18.51 -28.16	26.47
10 51	13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	238.64 -9.29 -19.36 -29.44	26.47
10 51	13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	250.93 -9.90 -20.59 -31.29	26.47
10 51 13 00-0037 Six Tier Institutional Or Corridor Locker (10 51 13 00-0001)					
10 51	13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	231.00 -8.83 -18.47 -28.12	27.22
10 51	13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	236.11 -9.08 -18.98 -28.88	27.22
10 51	13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	245.76 -9.57 -19.95 -30.33	27.22
10 51 13 00-0041 Locker And Coat Rack Combination (10 51 13 00-0001)					
10 51	13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	416.27	18.15
10 51	13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	668.63	37.80
10 51 13 00-0044 All-Welded Steel Lockers (10 51 13)					
10 51 13 00-0045 All-Welded Steel Lockers (10 51 13 00-0044)					
Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.					
10 51 13 00-0046 Single Tier, All-Welded Steel Lockers (10 51 13 00-0045)					
Note: Includes one hat shelf, two single hooks and one double hook.					
10 51	13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	241.02 -11.11 -22.50 -33.89	13.23
10 51	13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	254.14 -11.76 -23.81 -35.85	13.23
10 51	13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	266.76 -12.39 -25.07 -37.75	13.23
10 51	13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	251.85 -11.65 -23.58 -35.51	13.23
10 51	13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	264.47 -12.28 -24.84 -37.40	13.23
10 51	13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.09 -12.91 -26.10 -39.30	13.23
10 51	13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	265.43 -12.23 -24.78 -37.32	14.56
10 51	13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.11 -12.82 -25.94 -39.07	14.56
10 51	13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	289.73 -13.45 -27.21 -40.96	14.56
10 51	13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	301.54 -14.04 -28.39 -42.74	14.56

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	311.26	14.56
			<i>For >25 To 50, Deduct</i>	-14.52	
			<i>For >50 To 100, Deduct</i>	-29.36	
			<i>For >100, Deduct</i>	-44.19	
10 51	13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	324.68	14.56
			<i>For >25 To 50, Deduct</i>	-15.19	
			<i>For >50 To 100, Deduct</i>	-30.70	
			<i>For >100, Deduct</i>	-46.21	
10 51	13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	339.77	14.56
			<i>For >25 To 50, Deduct</i>	-15.95	
			<i>For >50 To 100, Deduct</i>	-32.21	
			<i>For >100, Deduct</i>	-48.47	
10 51	13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	567.08	14.56
			<i>For >25 To 50, Deduct</i>	-27.31	
			<i>For >50 To 100, Deduct</i>	-54.94	
			<i>For >100, Deduct</i>	-82.57	
10 51	13 00-0061		Two Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51	13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker.....	292.77	13.23
			<i>For >25 To 50, Deduct</i>	-13.69	
			<i>For >50 To 100, Deduct</i>	-27.67	
			<i>For >100, Deduct</i>	-41.65	
10 51	13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker.....	298.56	13.23
			<i>For >25 To 50, Deduct</i>	-13.98	
			<i>For >50 To 100, Deduct</i>	-28.25	
			<i>For >100, Deduct</i>	-42.52	
10 51	13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker.....	314.11	13.23
			<i>For >25 To 50, Deduct</i>	-14.76	
			<i>For >50 To 100, Deduct</i>	-29.80	
			<i>For >100, Deduct</i>	-44.85	
10 51	13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker.....	304.34	14.56
			<i>For >25 To 50, Deduct</i>	-14.18	
			<i>For >50 To 100, Deduct</i>	-28.67	
			<i>For >100, Deduct</i>	-43.16	
10 51	13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker.....	325.77	14.56
			<i>For >25 To 50, Deduct</i>	-15.25	
			<i>For >50 To 100, Deduct</i>	-30.81	
			<i>For >100, Deduct</i>	-46.37	
10 51	13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker.....	337.45	14.56
			<i>For >25 To 50, Deduct</i>	-15.83	
			<i>For >50 To 100, Deduct</i>	-31.98	
			<i>For >100, Deduct</i>	-48.12	
10 51	13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker.....	354.10	14.56
			<i>For >25 To 50, Deduct</i>	-16.67	
			<i>For >50 To 100, Deduct</i>	-33.64	
			<i>For >100, Deduct</i>	-50.62	
10 51	13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker.....	361.94	14.56
			<i>For >25 To 50, Deduct</i>	-17.06	
			<i>For >50 To 100, Deduct</i>	-34.43	
			<i>For >100, Deduct</i>	-51.80	
10 51	13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker.....	384.53	14.56
			<i>For >25 To 50, Deduct</i>	-18.19	
			<i>For >50 To 100, Deduct</i>	-36.69	
			<i>For >100, Deduct</i>	-55.18	
10 51	13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker.....	402.03	14.56
			<i>For >25 To 50, Deduct</i>	-19.06	
			<i>For >50 To 100, Deduct</i>	-38.44	
			<i>For >100, Deduct</i>	-57.81	
10 51	13 00-0072		Three Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51	13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker.....	364.71	14.56
			<i>For >25 To 50, Deduct</i>	-17.20	
			<i>For >50 To 100, Deduct</i>	-34.70	
			<i>For >100, Deduct</i>	-52.21	
10 51	13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker.....	373.49	14.56
			<i>For >25 To 50, Deduct</i>	-17.63	
			<i>For >50 To 100, Deduct</i>	-35.58	
			<i>For >100, Deduct</i>	-53.53	
10 51	13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker.....	382.21	14.56
			<i>For >25 To 50, Deduct</i>	-18.07	
			<i>For >50 To 100, Deduct</i>	-36.45	
			<i>For >100, Deduct</i>	-54.84	
10 51	13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker.....	402.86	14.56
			<i>For >25 To 50, Deduct</i>	-19.10	
			<i>For >50 To 100, Deduct</i>	-38.52	
			<i>For >100, Deduct</i>	-57.93	
10 51	13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker.....	406.67	14.56
			<i>For >25 To 50, Deduct</i>	-19.29	
			<i>For >50 To 100, Deduct</i>	-38.90	
			<i>For >100, Deduct</i>	-58.50	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0078 Four Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0079 EA 12" x 12" x 72" Four Tier, All-Welded Steel Locker.....	343.88	14.56
For >25 To 50, Deduct	-16.15	
For >50 To 100, Deduct	-32.62	
For >100, Deduct	-49.09	
10 51 13 00-0080 EA 12" x 15" x 72" Four Tier, All-Welded Steel Locker.....	352.17	14.56
For >25 To 50, Deduct	-16.57	
For >50 To 100, Deduct	-33.45	
For >100, Deduct	-50.33	
10 51 13 00-0081 EA 12" x 18" x 72" Four Tier, All-Welded Steel Locker.....	360.41	14.56
For >25 To 50, Deduct	-16.98	
For >50 To 100, Deduct	-34.27	
For >100, Deduct	-51.57	
10 51 13 00-0082 EA 15" x 15" x 72" Four Tier, All-Welded Steel Locker.....	379.84	14.56
For >25 To 50, Deduct	-17.95	
For >50 To 100, Deduct	-36.22	
For >100, Deduct	-54.48	
10 51 13 00-0083 EA 15" x 18" x 72" Four Tier, All-Welded Steel Locker.....	383.38	14.56
For >25 To 50, Deduct	-18.13	
For >50 To 100, Deduct	-36.57	
For >100, Deduct	-55.01	
10 51 13 00-0084 Six Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0085 EA 12" x 12" x 72" Six Tier, All-Welded Steel Locker.....	356.78	14.56
For >25 To 50, Deduct	-16.80	
For >50 To 100, Deduct	-33.91	
For >100, Deduct	-51.02	
10 51 13 00-0086 EA 12" x 15" x 72" Six Tier, All-Welded Steel Locker.....	368.88	14.56
For >25 To 50, Deduct	-17.40	
For >50 To 100, Deduct	-35.12	
For >100, Deduct	-52.84	
10 51 13 00-0087 EA 12" x 18" x 72" Six Tier, All-Welded Steel Locker.....	377.79	14.56
For >25 To 50, Deduct	-17.85	
For >50 To 100, Deduct	-36.01	
For >100, Deduct	-54.17	
10 51 13 00-0088 All Welded Locker Accessories <small>(10 51 13 00-0044)</small>		
10 51 13 00-0089 EA ADA Requirements For All Welded Lockers.....	61.74	
10 51 13 00-0090 EA Solid Boxed End Panel For 12" Deep All Welded Lockers.....	101.31	3.02
10 51 13 00-0091 EA Solid Boxed End Panel For 15" Deep All Welded Lockers.....	117.18	3.02
10 51 13 00-0092 EA Recessed Trim For All Welded Lockers.....	71.91	3.02
10 51 13 00-0093 EA Built In Combination Lock For All Welded Lockers.....	25.72	3.02
10 51 13 00-0094 EA Pad Lock For All Welded Lockers.....	20.75	3.02
10 51 13 00-0095 Athletic Lockers <small>(10 51 13)</small>		
Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096 Single Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097 EA 12" x 15" x 72" Single Tier Athletic Locker.....	241.45	24.19
For >25 To 50, Deduct	-9.65	
For >50 To 100, Deduct	-20.03	
For >100, Deduct	-30.41	
10 51 13 00-0098 EA 12" x 18" x 72" Single Tier Athletic Locker.....	255.48	24.19
For >25 To 50, Deduct	-10.35	
For >50 To 100, Deduct	-21.43	
For >100, Deduct	-32.52	
10 51 13 00-0099 EA 15" x 15" x 72" Single Tier Athletic Locker.....	260.41	24.19
For >25 To 50, Deduct	-10.60	
For >50 To 100, Deduct	-21.93	
For >100, Deduct	-33.25	
10 51 13 00-0100 EA 15" x 18" x 72" Single Tier Athletic Locker.....	269.42	24.19
For >25 To 50, Deduct	-11.05	
For >50 To 100, Deduct	-22.83	
For >100, Deduct	-34.61	
10 51 13 00-0101 EA 18" x 18" x 72" Single Tier Athletic Locker.....	291.63	24.19
For >25 To 50, Deduct	-12.16	
For >50 To 100, Deduct	-25.05	
For >100, Deduct	-37.94	
10 51 13 00-0102 EA 18" x 21" x 72" Single Tier Athletic Locker.....	314.90	24.19
For >25 To 50, Deduct	-13.33	
For >50 To 100, Deduct	-27.38	
For >100, Deduct	-41.43	
10 51 13 00-0103 Two Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
Note: Includes three single hooks and one double hook per tier.		

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0104	EA	12" x 12" x 72" Two Tier Athletic Locker	269.30	24.95
			<i>For >25 To 50, Deduct</i>	-10.97	
			<i>For >50 To 100, Deduct</i>	-22.69	
			<i>For >100, Deduct</i>	-34.41	
10 51	13 00-0105	EA	12" x 15" x 72" Two Tier Athletic Locker	277.79	24.95
			<i>For >25 To 50, Deduct</i>	-11.39	
			<i>For >50 To 100, Deduct</i>	-23.54	
			<i>For >100, Deduct</i>	-35.68	
10 51	13 00-0106	EA	12" x 18" x 72" Two Tier Athletic Locker	289.37	24.95
			<i>For >25 To 50, Deduct</i>	-11.97	
			<i>For >50 To 100, Deduct</i>	-24.70	
			<i>For >100, Deduct</i>	-37.42	
10 51	13 00-0107	EA	15" x 15" x 72" Two Tier Athletic Locker	291.12	24.95
			<i>For >25 To 50, Deduct</i>	-12.06	
			<i>For >50 To 100, Deduct</i>	-24.87	
			<i>For >100, Deduct</i>	-37.68	
10 51	13 00-0108	EA	15" x 18" x 72" Two Tier Athletic Locker	300.64	24.95
			<i>For >25 To 50, Deduct</i>	-12.54	
			<i>For >50 To 100, Deduct</i>	-25.82	
			<i>For >100, Deduct</i>	-39.11	
10 51	13 00-0109	EA	18" x 18" x 72" Two Tier Athletic Locker	312.32	24.95
			<i>For >25 To 50, Deduct</i>	-13.12	
			<i>For >50 To 100, Deduct</i>	-26.99	
			<i>For >100, Deduct</i>	-40.86	
10 51	13 00-0110	EA	18" x 21" x 72" Two Tier Athletic Locker	338.55	24.95
			<i>For >25 To 50, Deduct</i>	-14.43	
			<i>For >50 To 100, Deduct</i>	-29.61	
			<i>For >100, Deduct</i>	-44.79	
10 51	13 00-0111		Three Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes one double hook per tier.		
10 51	13 00-0112	EA	12" x 12" x 72" Three Tier Athletic Locker	297.12	25.71
			<i>For >25 To 50, Deduct</i>	-12.29	
			<i>For >50 To 100, Deduct</i>	-25.34	
			<i>For >100, Deduct</i>	-38.40	
10 51	13 00-0113	EA	12" x 15" x 72" Three Tier Athletic Locker	309.26	25.71
			<i>For >25 To 50, Deduct</i>	-12.89	
			<i>For >50 To 100, Deduct</i>	-26.56	
			<i>For >100, Deduct</i>	-40.22	
10 51	13 00-0114	EA	12" x 18" x 72" Three Tier Athletic Locker	326.00	25.71
			<i>For >25 To 50, Deduct</i>	-13.73	
			<i>For >50 To 100, Deduct</i>	-28.23	
			<i>For >100, Deduct</i>	-42.73	
10 51	13 00-0115	EA	15" x 15" x 72" Three Tier Athletic Locker	334.57	25.71
			<i>For >25 To 50, Deduct</i>	-14.16	
			<i>For >50 To 100, Deduct</i>	-29.09	
			<i>For >100, Deduct</i>	-44.02	
10 51	13 00-0116	EA	15" x 18" x 72" Three Tier Athletic Locker	347.43	25.71
			<i>For >25 To 50, Deduct</i>	-14.80	
			<i>For >50 To 100, Deduct</i>	-30.37	
			<i>For >100, Deduct</i>	-45.94	
10 51	13 00-0117		Four Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
10 51	13 00-0118	EA	12" x 12" x 72" Four Tier Athletic Locker	277.15	26.47
			<i>For >25 To 50, Deduct</i>	-11.21	
			<i>For >50 To 100, Deduct</i>	-23.22	
			<i>For >100, Deduct</i>	-35.22	
10 51	13 00-0119	EA	12" x 15" x 72" Four Tier Athletic Locker	293.84	26.47
			<i>For >25 To 50, Deduct</i>	-12.05	
			<i>For >50 To 100, Deduct</i>	-24.88	
			<i>For >100, Deduct</i>	-37.72	
10 51	13 00-0120	EA	12" x 18" x 72" Four Tier Athletic Locker	310.53	26.47
			<i>For >25 To 50, Deduct</i>	-12.88	
			<i>For >50 To 100, Deduct</i>	-26.55	
			<i>For >100, Deduct</i>	-40.23	
10 51	13 00-0121	EA	15" x 15" x 72" Four Tier Athletic Locker	319.08	26.47
			<i>For >25 To 50, Deduct</i>	-13.31	
			<i>For >50 To 100, Deduct</i>	-27.41	
			<i>For >100, Deduct</i>	-41.51	
10 51	13 00-0122	EA	15" x 18" x 72" Four Tier Athletic Locker	325.49	26.47
			<i>For >25 To 50, Deduct</i>	-13.63	
			<i>For >50 To 100, Deduct</i>	-28.05	
			<i>For >100, Deduct</i>	-42.47	
10 51	13 00-0123		Six Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
10 51	13 00-0124	EA	12" x 12" x 72" Six Tier Athletic Locker	306.73	27.22
			<i>For >25 To 50, Deduct</i>	-12.61	
			<i>For >50 To 100, Deduct</i>	-26.05	
			<i>For >100, Deduct</i>	-39.48	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0125 EA 12" x 15" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	319.56 -13.26 -27.33 -41.40	27.22
10 51 13 00-0126 EA 12" x 18" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	332.35 -13.90 -28.61 -43.32	27.22
10 51 13 00-0127 EA 12" x 21" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	379.07 -16.23 -33.28 -50.33	27.22
10 51 13 00-0128 Metal Locker Accessories (10 51 13)		
10 51 13 00-0129 Locker Slope Tops (10 51 13 00-0128)		
10 51 13 00-0130 16 Gauge Continuous Sloping Hood (10 51 13 00-0129)		
10 51 13 00-0131 LF 12" Deep, 16 Gauge Continuous Slope Top.....	19.72	3.02
10 51 13 00-0132 LF 15" Deep, 16 Gauge Continuous Slope Top.....	16.80	3.02
10 51 13 00-0133 LF 18" Deep, 16 Gauge Continuous Slope Top.....	22.71	3.02
10 51 13 00-0134 LF 21" Deep, 16 Gauge Continuous Slope Top.....	24.98	3.02
10 51 13 00-0135 LF 24" Deep, 16 Gauge Continuous Slope Top.....	26.05	3.02
10 51 13 00-0136 16 Gauge Slope Top Corner Fillers (10 51 13 00-0129)		
10 51 13 00-0137 EA 12" Deep, 16 Gauge Slope Top Corner Fillers	78.35	3.02
10 51 13 00-0138 EA 15" Deep, 16 Gauge Slope Top Corner Fillers	80.01	3.02
10 51 13 00-0139 EA 18" Deep, 16 Gauge Slope Top Corner Fillers	81.65	3.02
10 51 13 00-0140 EA 21" Deep, 16 Gauge Slope Top Corner Fillers	83.65	3.02
10 51 13 00-0141 EA 24" Deep, 16 Gauge Slope Top Corner Fillers	85.63	3.02
10 51 13 00-0142 20 Gauge Individual Slope Top (10 51 13 00-0129)		
10 51 13 00-0143 EA 12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	17.09	3.02
10 51 13 00-0144 EA 12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	16.98	3.02
10 51 13 00-0145 EA 12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	18.78	3.02
10 51 13 00-0146 EA 15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	18.78	3.02
10 51 13 00-0147 EA 15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	19.21	3.02
10 51 13 00-0148 EA 15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	20.91	3.02
10 51 13 00-0149 EA 18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	20.91	3.02
10 51 13 00-0150 EA 18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	23.14	3.02
10 51 13 00-0151 EA 18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	25.80	3.02
10 51 13 00-0152 Continuous Slope Top End Closures (10 51 13 00-0129)		
10 51 13 00-0153 PR 12" Deep, Continuous Slope Top End Closures	18.15	3.02
10 51 13 00-0154 PR 15" Deep, Continuous Slope Top End Closures	15.58	3.02
10 51 13 00-0155 PR 18" Deep, Continuous Slope Top End Closures	20.27	3.02
10 51 13 00-0156 PR 21" Deep, Continuous Slope Top End Closures	21.33	3.02
10 51 13 00-0157 PR 24" Deep, Continuous Slope Top End Closures	22.06	3.02
10 51 13 00-0158 Individual Slope Top End Closures (10 51 13 00-0129)		
10 51 13 00-0159 EA 12" Deep, Individual Slope Top End Closures	12.10	3.02
10 51 13 00-0160 EA 15" Deep, Individual Slope Top End Closures	12.43	3.02
10 51 13 00-0161 EA 18" Deep, Individual Slope Top End Closures	13.17	3.02
10 51 13 00-0162 EA 21" Deep, Individual Slope Top End Closures	13.68	3.02
10 51 13 00-0163 EA 24" Deep, Individual Slope Top End Closures	18.92	3.02
10 51 13 00-0164 Locker Base (10 51 13 00-0128)		
10 51 13 00-0165 Closed Front Base (10 51 13 00-0164)		
10 51 13 00-0166 EA 12" Wide, 6" High Closed Front Base	12.67	3.02
10 51 13 00-0167 EA 15" Wide, 6" High Closed Front Base	13.22	3.02
10 51 13 00-0168 EA 18" Wide, 6" High Closed Front Base	14.38	3.02
10 51 13 00-0169 EA 24" Wide, 6" High Closed Front Base	14.93	3.02
10 51 13 00-0170 Closed End Base (10 51 13 00-0164)		
10 51 13 00-0171 EA 12" Deep, 6" High Closed End Base.....	14.21	3.02
10 51 13 00-0172 EA 15" Deep, 6" High Closed End Base.....	14.30	3.02
10 51 13 00-0173 EA 18" Deep, 6" High Closed End Base.....	15.05	3.02
10 51 13 00-0174 EA 21" Deep, 6" High Closed End Base.....	15.79	3.02
10 51 13 00-0175 EA 24" Deep, 6" High Closed End Base.....	16.79	3.02
10 51 13 00-0176 Recessed Continuous Front "Z" Base (10 51 13 00-0164)		
10 51 13 00-0177 LF 4" High Recessed Continuous Front "Z" Base.....	14.61	2.27


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0178			"Z" Base Ends Or Splice <small>(10 51 13 00-0164)</small>		
10 51 13 00-0179	EA		12" Wide, 4" High Z-Base Ends Or Splice	14.80	3.02
10 51 13 00-0180	EA		15" Wide, 4" High Z-Base Ends Or Splice	16.98	3.02
10 51 13 00-0181	EA		18" Wide, 4" High Z-Base Ends Or Splice	19.21	3.02
10 51 13 00-0182	EA		21" Wide, 4" High Z-Base Ends Or Splice	21.55	3.02
10 51 13 00-0183	EA		24" Wide, 4" High Z-Base Ends Or Splice	23.88	3.02
10 51 13 00-0184			Locker Front Fillers And End Panels <small>(10 51 13 00-0128)</small>		
10 51 13 00-0185			Locker Front Fillers <small>(10 51 13 00-0184)</small>		
10 51 13 00-0186	EA		6" Wide x 60" High, 16 Gauge Front Filler	23.81	3.78
10 51 13 00-0187	EA		12" Wide x 60" High, 16 Gauge Front Filler	36.08	3.78
10 51 13 00-0188	EA		6" Wide x 66" High, 16 Gauge Front Filler	25.81	3.78
10 51 13 00-0189	EA		12" Wide x 66" High, 16 Gauge Front Filler	28.84	3.78
10 51 13 00-0190	EA		6" Wide x 72" High, 16 Gauge Front Filler	28.13	3.78
10 51 13 00-0191	EA		12" Wide x 72" High, 16 Gauge Front Filler	39.39	3.78
10 51 13 00-0192	EA		6" Wide x 78" High, 16 Gauge Front Filler	28.77	3.78
10 51 13 00-0193	EA		12" Wide x 78" High, 16 Gauge Front Filler	33.32	3.78
10 51 13 00-0194			Locker End Panels <small>(10 51 13 00-0184)</small>		
10 51 13 00-0195	EA		12" Deep x 60" High, 16 Gauge End Panel	35.98	3.02
10 51 13 00-0196	EA		15" Deep x 60" High, 16 Gauge End Panel	40.68	3.02
10 51 13 00-0197	EA		18" Deep x 60" High, 16 Gauge End Panel	48.08	3.02
10 51 13 00-0198	EA		12" Deep x 72" High, 16 Gauge End Panel	42.23	3.02
10 51 13 00-0199	EA		15" Deep x 72" High, 16 Gauge End Panel	47.95	3.02
10 51 13 00-0200	EA		18" Deep x 72" High, 16 Gauge End Panel	55.56	3.02
10 51 13 00-0201	EA		21" Deep x 72" High, 16 Gauge End Panel	63.82	3.02
10 51 13 00-0202			Locker Recessed Trim <small>(10 51 13 00-0128)</small>		
10 51 13 00-0203	LF		3" Height, Top Trim For Recessed Lockers	6.58	1.51
10 51 13 00-0204	EA		3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	17.81	3.02
10 51 13 00-0205	EA		60" Height, 3" Wide Side Trim For Recessed Lockers	26.63	3.02
10 51 13 00-0206	EA		66" Height, 3" Wide Side Trim For Recessed Lockers	27.56	3.02
10 51 13 00-0207	EA		72" Height, 3" Wide Side Trim For Recessed Lockers	28.49	3.02
10 51 13 00-0208	EA		78" Height, 3" Wide Side Trim For Recessed Lockers	29.30	3.02
10 51 13 00-0209			Locker Interior Accessories <small>(10 51 13 00-0128)</small>		
10 51 13 00-0210			Locker Coat Rods <small>(10 51 13 00-0209)</small>		
10 51 13 00-0211	EA		12" Wide Coat Rod	10.05	3.02
10 51 13 00-0212	EA		15" Wide Coat Rod	10.92	3.02
10 51 13 00-0213	EA		18" Wide Coat Rod	11.69	3.02
10 51 13 00-0214	EA		24" Wide Coat Rod	12.37	3.02
10 51 13 00-0215			Locker Hat Shelf <small>(10 51 13 00-0209)</small>		
10 51 13 00-0216	EA		12" Wide Hat Shelf	11.88	3.02
10 51 13 00-0217	EA		15" Wide Hat Shelf	13.75	3.02
10 51 13 00-0218	EA		18" Wide Hat Shelf	14.54	3.02
10 51 13 00-0219	EA		24" Wide Hat Shelf	17.66	3.02
10 51 13 00-0220			Locker ADA Compliant Shelf <small>(10 51 13 00-0209)</small>		
10 51 13 00-0221	EA		ADA Compliant Shelf For Single Tier Lockers	22.72	3.78
			Note: Includes an ADA label for locker face.		
10 51 13 00-0222			Other Interior Locker Accessories <small>(10 51 13 00-0209)</small>		
10 51 13 00-0223	EA		3" x 10" Bent Plate Shoe Rack	29.37	3.02
10 51 13 00-0224	EA		8" x 10" Mirror	23.54	3.02
10 51 13 00-0225	EA		Additional Hook	7.51	3.02
10 51 13 00-0226			Locker Locks <small>(10 51 13 00-0128)</small>		
10 51 13 00-0227	EA		Built In Combination Lock	25.72	3.02
10 51 13 00-0228			Locker Repair And Refinishing <small>(10 51 13)</small>		
10 51 13 00-0229	EA		Replace Single Tier Locker Door	218.08	
10 51 13 00-0230	EA		Replace Two Tier Locker Door	171.70	
10 51 13 00-0231	EA		Replace Three Tier Locker Door	147.72	
10 51 13 00-0232	EA		Replace Four Tier Locker Door	125.15	
10 51 13 00-0233	EA		Replace Six Tier Or Sixteen Person Locker Door	71.99	
10 51 13 00-0234	EA		Realign Metal Locker Door For Proper Closure	33.24	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0235 SF Patch Small Drill Holes in Locker.....	6.65	
10 51 13 00-0236 Steel Basket Racks Mounted On Concrete Base <small>(10 51 13)</small> Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0237 EA 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	1,174.58	56.71
10 51 13 00-0238 EA 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,006.93	56.71
10 51 26 Plastic Lockers <small>(10 51)</small>		
10 51 26 00-0001 Solid Plastic Lockers <small>(10 51 26)</small> Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002 Single Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small> Note: Includes one double hook per tier.		
10 51 26 00-0003 EA 12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	288.09	23.44
For >50 To 100, Deduct	-24.12	
For >100, Deduct	-37.59	
10 51 26 00-0004 EA 12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	292.93	23.44
For >50 To 100, Deduct	-24.61	
For >100, Deduct	-38.31	
10 51 26 00-0005 EA 12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	297.77	23.44
For >50 To 100, Deduct	-25.09	
For >100, Deduct	-39.04	
10 51 26 00-0006 EA 15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	305.02	23.44
For >50 To 100, Deduct	-25.81	
For >100, Deduct	-40.13	
10 51 26 00-0007 EA 15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	297.35	23.44
For >50 To 100, Deduct	-25.05	
For >100, Deduct	-38.98	
10 51 26 00-0008 EA 18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	299.38	23.44
For >50 To 100, Deduct	-25.25	
For >100, Deduct	-39.28	
10 51 26 00-0009 EA 18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	295.80	23.44
For >50 To 100, Deduct	-24.89	
For >100, Deduct	-38.74	
10 51 26 00-0010 EA 18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	315.78	23.44
For >50 To 100, Deduct	-26.89	
For >100, Deduct	-41.74	
10 51 26 00-0011 EA 12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	311.18	23.44
For >50 To 100, Deduct	-26.43	
For >100, Deduct	-41.05	
10 51 26 00-0012 EA 12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	316.55	23.44
For >50 To 100, Deduct	-26.97	
For >100, Deduct	-41.86	
10 51 26 00-0013 EA 12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	321.93	23.44
For >50 To 100, Deduct	-27.51	
For >100, Deduct	-42.66	
10 51 26 00-0014 EA 15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	334.22	23.44
For >50 To 100, Deduct	-28.73	
For >100, Deduct	-44.51	
10 51 26 00-0015 EA 15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	351.13	23.44
For >50 To 100, Deduct	-30.43	
For >100, Deduct	-47.04	
10 51 26 00-0016 EA 18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	335.76	23.44
For >50 To 100, Deduct	-28.89	
For >100, Deduct	-44.74	
10 51 26 00-0017 EA 18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	363.41	23.44
For >50 To 100, Deduct	-31.65	
For >100, Deduct	-48.89	
10 51 26 00-0018 EA 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	313.32	23.44
For >50 To 100, Deduct	-26.64	
For >100, Deduct	-41.37	
10 51 26 00-0019 EA 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	329.08	23.44
For >50 To 100, Deduct	-28.22	
For >100, Deduct	-43.74	
10 51 26 00-0020 EA 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	344.85	23.44
For >50 To 100, Deduct	-29.80	
For >100, Deduct	-46.10	
10 51 26 00-0021 EA 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	333.30	23.44
For >50 To 100, Deduct	-28.64	
For >100, Deduct	-44.37	
10 51 26 00-0022 EA 15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	350.00	23.44
For >50 To 100, Deduct	-30.31	
For >100, Deduct	-46.87	
10 51 26 00-0023 EA 15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	366.72	23.44
For >50 To 100, Deduct	-31.98	
For >100, Deduct	-49.38	
10 51 26 00-0024 EA 18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	353.28	23.44
For >50 To 100, Deduct	-30.64	
For >100, Deduct	-47.37	

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	370.94	23.44
			<i>For >50 To 100, Deduct</i>	-32.41	
			<i>For >100, Deduct</i>	-50.02	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	356.69	24.19
			<i>For >50 To 100, Deduct</i>	-30.83	
			<i>For >100, Deduct</i>	-47.70	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	374.36	24.19
			<i>For >50 To 100, Deduct</i>	-32.60	
			<i>For >100, Deduct</i>	-50.35	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	392.01	24.19
			<i>For >50 To 100, Deduct</i>	-34.36	
			<i>For >100, Deduct</i>	-52.99	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	379.62	24.19
			<i>For >50 To 100, Deduct</i>	-33.12	
			<i>For >100, Deduct</i>	-51.14	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	398.26	24.19
			<i>For >50 To 100, Deduct</i>	-34.99	
			<i>For >100, Deduct</i>	-53.93	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	416.88	24.19
			<i>For >50 To 100, Deduct</i>	-36.85	
			<i>For >100, Deduct</i>	-56.73	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	397.90	24.19
			<i>For >50 To 100, Deduct</i>	-34.95	
			<i>For >100, Deduct</i>	-53.88	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	422.14	24.19
			<i>For >50 To 100, Deduct</i>	-37.38	
			<i>For >100, Deduct</i>	-57.51	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	441.71	24.19
			<i>For >50 To 100, Deduct</i>	-39.33	
			<i>For >100, Deduct</i>	-60.45	
10 51 26 00-0035			Double Tier Solid Plastic Lockers (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	321.90	24.19
			<i>For >50 To 100, Deduct</i>	-27.35	
			<i>For >100, Deduct</i>	-42.48	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	326.51	24.19
			<i>For >50 To 100, Deduct</i>	-27.81	
			<i>For >100, Deduct</i>	-43.17	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	333.42	24.19
			<i>For >50 To 100, Deduct</i>	-28.50	
			<i>For >100, Deduct</i>	-44.21	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	331.12	24.19
			<i>For >50 To 100, Deduct</i>	-28.27	
			<i>For >100, Deduct</i>	-43.86	
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	343.42	24.19
			<i>For >50 To 100, Deduct</i>	-29.50	
			<i>For >100, Deduct</i>	-45.71	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	372.61	24.19
			<i>For >50 To 100, Deduct</i>	-32.42	
			<i>For >100, Deduct</i>	-50.08	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	334.20	24.19
			<i>For >50 To 100, Deduct</i>	-28.58	
			<i>For >100, Deduct</i>	-44.32	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	349.07	24.19
			<i>For >50 To 100, Deduct</i>	-30.07	
			<i>For >100, Deduct</i>	-46.55	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	375.69	24.19
			<i>For >50 To 100, Deduct</i>	-32.73	
			<i>For >100, Deduct</i>	-50.55	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	332.48	24.19
			<i>For >50 To 100, Deduct</i>	-28.41	
			<i>For >100, Deduct</i>	-44.07	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	356.54	24.19
			<i>For >50 To 100, Deduct</i>	-30.82	
			<i>For >100, Deduct</i>	-47.67	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	363.42	24.19
			<i>For >50 To 100, Deduct</i>	-31.50	
			<i>For >100, Deduct</i>	-48.71	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	360.57	24.19
			<i>For >50 To 100, Deduct</i>	-31.22	
			<i>For >100, Deduct</i>	-48.28	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	376.51	24.19
			<i>For >50 To 100, Deduct</i>	-32.81	
			<i>For >100, Deduct</i>	-50.67	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	379.63	24.19
			<i>For >50 To 100, Deduct</i>	-33.12	
			<i>For >100, Deduct</i>	-51.14	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	396.50	24.19
			<i>For >50 To 100, Deduct</i>	-34.81	
			<i>For >100, Deduct</i>	-53.67	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	413.36	24.19
			<i>For >50 To 100, Deduct</i>	-36.50	
			<i>For >100, Deduct</i>	-56.20	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	382.96 -33.31 -51.46	24.95
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	399.82 -34.99 -53.99	24.95
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	408.61 -35.87 -55.30	24.95
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	404.85 -35.50 -54.74	24.95
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	422.64 -37.27 -57.41	24.95
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	440.42 -39.05 -60.08	24.95
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	408.03 -35.81 -55.22	24.95
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	445.44 -39.55 -60.83	24.95
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	464.11 -41.42 -63.63	24.95
10 51 26 00-0062			Triple Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small> Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	317.65 -26.78 -41.66	24.95
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	330.30 -28.04 -43.56	24.95
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	341.90 -29.20 -45.30	24.95
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	344.15 -29.43 -45.63	24.95
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.19 -32.13 -49.69	24.95
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.32 -32.14 -49.71	24.95
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	386.07 -33.62 -51.92	24.95
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	400.88 -35.10 -54.14	24.95
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.69 -36.58 -56.37	24.95
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	403.78 -35.39 -54.58	24.95
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	419.44 -36.95 -56.93	24.95
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	435.09 -38.52 -59.28	24.95
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	406.97 -35.56 -54.88	25.71
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	422.64 -37.12 -57.23	25.71
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	433.63 -38.22 -58.88	25.71
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	427.30 -37.59 -57.93	25.71
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	432.27 -38.09 -58.67	25.71
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	450.16 -39.88 -61.35	25.71

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	420.19	25.71
			<i>For >50 To 100, Deduct</i>	-36.88	
			<i>For >100, Deduct</i>	-56.86	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	456.57	25.71
			<i>For >50 To 100, Deduct</i>	-40.52	
			<i>For >100, Deduct</i>	-62.32	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	482.33	25.71
			<i>For >50 To 100, Deduct</i>	-43.09	
			<i>For >100, Deduct</i>	-66.18	
10 51 26 00-0084			Four Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	367.18	25.71
			<i>For >50 To 100, Deduct</i>	-31.58	
			<i>For >100, Deduct</i>	-48.91	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	377.45	25.71
			<i>For >50 To 100, Deduct</i>	-32.60	
			<i>For >100, Deduct</i>	-50.45	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	396.38	25.71
			<i>For >50 To 100, Deduct</i>	-34.50	
			<i>For >100, Deduct</i>	-53.29	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	394.07	25.71
			<i>For >50 To 100, Deduct</i>	-34.27	
			<i>For >100, Deduct</i>	-52.94	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	418.59	25.71
			<i>For >50 To 100, Deduct</i>	-36.72	
			<i>For >100, Deduct</i>	-56.62	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	426.33	25.71
			<i>For >50 To 100, Deduct</i>	-37.49	
			<i>For >100, Deduct</i>	-57.78	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	422.49	25.71
			<i>For >50 To 100, Deduct</i>	-37.11	
			<i>For >100, Deduct</i>	-57.20	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	435.55	25.71
			<i>For >50 To 100, Deduct</i>	-38.41	
			<i>For >100, Deduct</i>	-59.16	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	473.21	25.71
			<i>For >50 To 100, Deduct</i>	-42.18	
			<i>For >100, Deduct</i>	-64.81	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	420.90	26.47
			<i>For >50 To 100, Deduct</i>	-36.80	
			<i>For >100, Deduct</i>	-56.78	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	439.11	26.47
			<i>For >50 To 100, Deduct</i>	-38.62	
			<i>For >100, Deduct</i>	-59.51	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	441.48	26.47
			<i>For >50 To 100, Deduct</i>	-38.86	
			<i>For >100, Deduct</i>	-59.87	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	464.43	26.47
			<i>For >50 To 100, Deduct</i>	-41.15	
			<i>For >100, Deduct</i>	-63.31	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	443.19	26.47
			<i>For >50 To 100, Deduct</i>	-39.03	
			<i>For >100, Deduct</i>	-60.13	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	462.43	26.47
			<i>For >50 To 100, Deduct</i>	-40.95	
			<i>For >100, Deduct</i>	-63.01	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	442.46	26.47
			<i>For >50 To 100, Deduct</i>	-38.95	
			<i>For >100, Deduct</i>	-60.02	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	465.51	26.47
			<i>For >50 To 100, Deduct</i>	-41.26	
			<i>For >100, Deduct</i>	-63.47	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	500.04	26.47
			<i>For >50 To 100, Deduct</i>	-44.71	
			<i>For >100, Deduct</i>	-68.65	
10 51 26 00-0103			Five Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	398.25	26.08
			<i>For >50 To 100, Deduct</i>	-34.61	
			<i>For >100, Deduct</i>	-53.48	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	410.96	26.08
			<i>For >50 To 100, Deduct</i>	-35.88	
			<i>For >100, Deduct</i>	-55.38	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	423.68	26.08
			<i>For >50 To 100, Deduct</i>	-37.15	
			<i>For >100, Deduct</i>	-57.29	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	415.58	26.08
			<i>For >50 To 100, Deduct</i>	-36.34	
			<i>For >100, Deduct</i>	-56.08	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	438.36	26.08
			<i>For >50 To 100, Deduct</i>	-38.62	
			<i>For >100, Deduct</i>	-59.49	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0109 EA 15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	449.38 -39.72 -61.15	26.08
10 51 26 00-0110 EA 18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	445.54 -39.34 -60.57	26.08
10 51 26 00-0111 EA 18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	457.84 -40.57 -62.41	26.08
10 51 26 00-0112 EA 18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	497.79 -44.56 -68.41	26.08
10 51 26 00-0113 EA 12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	433.53 -37.98 -58.59	26.84
10 51 26 00-0114 EA 12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	447.79 -39.41 -60.73	26.84
10 51 26 00-0115 EA 12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	462.03 -40.83 -62.86	26.84
10 51 26 00-0116 EA 15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	457.05 -40.34 -62.11	26.84
10 51 26 00-0117 EA 15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	467.07 -41.34 -63.62	26.84
10 51 26 00-0118 EA 15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	482.09 -42.84 -65.87	26.84
10 51 26 00-0119 EA 18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	470.55 -41.69 -64.14	26.84
10 51 26 00-0120 EA 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	487.77 -43.41 -66.72	26.84
10 51 26 00-0121 EA 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	507.75 -45.41 -69.72	26.84
10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0123 EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	457.11 -40.42 -62.21	26.47
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	449.32 -39.49 -60.87	27.22
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	463.56 -40.91 -63.00	27.22
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	473.06 -41.86 -64.43	27.22
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	492.05 -43.76 -67.27	27.22
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	497.59 -44.32 -68.11	27.22
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	501.55 -44.71 -68.70	27.22
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	503.13 -44.87 -68.94	27.22
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	520.54 -46.61 -71.55	27.22
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	543.49 -48.91 -74.99	27.22
10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	22.49	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	24.54	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0138 End Panels For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®)	54.34	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors	20.55	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers <small>(10 51 26 00-0133)</small>		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)	60.00	
Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers <small>(10 51 26 00-0133)</small>		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers	5.13	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers	15.41	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers	20.55	
10 51 53 Locker Room Benches <small>(10 51)</small>		
10 51 53 00-0001 LF Hardwood Bench With Aluminum Pedestals	64.36	3.78
10 51 53 00-0002 LF Hardwood Bench With Painted Steel Pedestals	51.49	3.78
10 51 53 00-0003 LF Plastic Laminated Bench With Steel Pedestals	78.35	3.78
10 51 53 00-0004 LF Solid Plastic Bench With Steel Pedestals	74.90	3.78
10 51 53 00-0005 LF Aluminum Bench With Aluminum Pedestals	58.32	3.78
10 55 Postal Specialties <small>(10 50)</small>		
10 55 23 Mail Boxes <small>(10 55)</small>		
10 55 23 23 Residential Mail Boxes <small>(10 55 23)</small>		
10 55 23 23-0001 Residential Mail Boxes <small>(10 55 23 23)</small>		
10 55 23 23-0002 EA 13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	60.26	8.51
For Stainless Steel Sleeve, Add	10.22	
10 55 23 23-0003 EA 13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	76.08	8.51
For Stainless Steel Sleeve, Add	10.22	
10 55 23 23-0004 EA Aluminum Or Galvanized Wall Mounted Mailbox	49.31	7.56
10 55 23 23-0005 EA 20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	75.80	9.45
10 55 23 26 Commercial Mail Boxes <small>(10 55 23)</small>		
10 55 23 26-0001 Commercial Mail Boxes <small>(10 55 23 26)</small>		
10 55 23 26-0002 EA Surface Mounted Aluminum Letter Box With Key Lock	159.22	6.05
10 55 23 26-0003 EA Recessed Mounted Aluminum Letter Box With Key Lock	196.95	17.01
10 55 23 26-0004 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox	958.32	22.68
Note: Any door combination.		
10 55 23 26-0005 EA 24" x 27" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox	1,212.41	30.24
Note: Any door combination.		
10 55 23 26-0006 BOX 4-1/2" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	45.43	11.35
10 55 23 26-0007 BOX 10-3/4" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	83.30	15.12
10 55 23 26-0008 BOX 6-3/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	45.81	9.45
10 55 23 26-0009 BOX 12-7/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	89.57	15.12
10 55 26 Parcel Lockers <small>(10 55)</small>		
10 55 26 00-0001 Parcel Lockers <small>(10 55 26)</small>		
10 55 26 00-0002 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker	761.72	22.68
Note: Two compartments.		
10 55 26 00-0003 EA 48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker	907.18	30.24
Note: Two compartments.		
10 56 Storage Assemblies <small>(10 50)</small>		
10 56 13 Metal Storage Shelving <small>(10 56)</small>		
10 56 13 16 Post-And-Shelf Metal Storage Shelving <small>(10 56 13)</small>		
10 56 13 16-0001 Baked Enamel Steel Shelving <small>(10 56 13 16)</small>		
10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type <small>(10 56 13 16-0001)</small>		
10 56 13 16-0003 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	88.45	16.61
For >75" To 87" High, Add	7.38	



Specialties	10
Storage Specialties	10 50
Storage Assemblies	10 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13 16-0004 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf <i>For >75" To 87" High, Add</i>	89.13 7.36	17.45
10 56 13 16-0005 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf <i>For >75" To 87" High, Add</i>	86.81 6.99	19.11
10 56 13 16-0006 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf <i>For >75" To 87" High, Add</i>	108.28 9.03	20.77
10 56 13 16-0007 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf <i>For >75" To 87" High, Add</i>	120.84 10.16	21.60
10 56 13 16-0008 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf <i>For >75" To 87" High, Add</i>	117.55 9.72	23.26
10 56 13 16-0009 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf <i>For >75" To 87" High, Add</i>	130.02 10.84	24.92
10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001) Note: Adjustable shelves.		
10 56 13 16-0011 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	61.61	8.48
10 56 13 16-0012 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	61.29	9.05
10 56 13 16-0013 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	68.57	9.64
10 56 13 16-0014 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	71.41	10.22
10 56 13 16-0015 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	81.84	10.88
10 56 13 16-0016 4 Shelf Unit, 40" High Unit (10 56 13 16-0001)		
10 56 13 16-0017 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	73.75	16.61
10 56 13 16-0018 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	61.78	17.45
10 56 13 16-0019 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	70.42	19.11
10 56 13 16-0020 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	74.29	20.77
10 56 13 16-0021 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	84.25	21.60
10 56 16 Fabricated Wood Storage Shelving (10 56)		
10 56 16 00-0001 Shelving (10 56 16)		
10 56 16 00-0002 Built-In Wood Shelving (10 56 16 00-0001) Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003 SF Built-in Wood Storage Shelving Post And Trimmed Plywood <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	13.67 0.69 2.32	1.91
10 56 16 00-0004 SF Built-in Wood Storage Shelving Post And Solid Clear Pine <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	14.73 0.69 2.32	2.29
10 56 16 00-0005 SF Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	14.88 0.69 2.32	3.82
10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0007 LF 1" x 8" White Pine Clear Grade Wood Shelving.....	11.66	4.58
10 56 16 00-0008 LF 1" x 10" White Pine Clear Grade Wood Shelving.....	12.74	4.89
10 56 16 00-0009 LF 1" x 12" White Pine Clear Grade Wood Shelving.....	13.95	5.26
10 56 16 00-0010 SF Wood Shelving, 2" White Pine Clear Grade.....	17.74	
10 56 16 00-0011 Plywood Shelf With Edge Band (10 56 16 00-0001)		
10 56 16 00-0012 LF 3/4" Plywood Shelf, 12" Wide With Edge Band.....	13.63	4.58
10 56 16 00-0013 LF 3/4" Plywood Shelf, 24" Wide With Edge Band.....	20.38	5.72
10 56 16 00-0014 Adjustable Shelf And Rod (10 56 16 00-0001)		
10 56 16 00-0015 EA 12" Wide Adjustable Shelf, 3' To 6' Long Including Rod	106.42	17.16
10 56 16 00-0016 EA 12" Wide Adjustable Shelf, 5' To 8' Long Including Rod	127.16	22.88
10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)		
10 56 16 00-0018 LF Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	12.18	4.58
10 56 16 00-0019 LF Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	13.21	4.89
10 56 16 00-0020 SF Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	41.74	7.63
10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0022 LF Wood Shelving, 1" X 8" Oak Clear Grade.....	13.40	7.17
10 56 17 Wall-Mounted Standards and Shelving (10 56)		
10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002 LF 8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	47.06 2.18 2.54	7.56

10	Specialties
10 50	Storage Specialties
10 56	Storage Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0003 LF 10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	48.60	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0004 LF 12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	52.18	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0005 LF 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	56.79	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0006 LF 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	57.94	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0007 LF 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	67.83	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	75.11	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	82.11	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	89.15	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	105.32	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	114.90	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	128.72	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016 LF 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	32.50	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0017 LF 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	33.54	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0018 LF 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	34.80	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0019 LF 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	36.63	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0020 LF 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	38.85	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0021 LF 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	44.81	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023 LF 14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	46.08	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0024 LF 18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	51.47	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026 LF 14" Depth, Stainless Steel, Wall Mounted Wire Shelving	104.66	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0027 LF 18" Depth, Stainless Steel, Wall Mounted Wire Shelving	108.79	7.56
For Installation On Concrete Walls, Add	2.18	
For Installation On Concrete Block Walls, Add	2.54	
10 56 17 00-0028 Wall Mounted Shelving Accessories (10 56 17)		
10 56 17 00-0029 LF Remove And Reinstall Single Shelf Metal Storage Shelving Unit	27.19	



Specialties	10	10
Storage Specialties	10 50	
Wardrobe And Closet Specialties	10 57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 57 Wardrobe And Closet Specialties (10 50)

10 57 13 Hat And Coat Racks (10 57)

10 57 13 00-0001 Hat And Coat Rack (10 57 13)

10 57 13 00-0002 Single Tier (10 57 13 00-0001)

10 57 13 00-0003	LF Single Tier Hat And Coat Rack Baked Enameled Steel.....	40.40	3.78
	<i>For Custom Made Units, Add</i>	18.23	
10 57 13 00-0004	LF Single Tier Hat And Coat Rack Stainless Steel	33.62	3.78
	<i>For Custom Made Units, Add</i>	14.16	
10 57 13 00-0005	LF Single Tier Hat And Coat Rack Aluminum	47.53	3.78
	<i>For Custom Made Units, Add</i>	22.51	

10 57 13 00-0006 Double Tier (10 57 13 00-0001)

10 57 13 00-0007	LF Double Tier Hat And Coat Rack Baked Enameled Steel	53.91	3.78
	<i>For Custom Made Units, Add</i>	24.91	
10 57 13 00-0008	LF Double Tier Hat And Coat Rack Stainless Steel	37.68	3.78
	<i>For Custom Made Units, Add</i>	15.17	
10 57 13 00-0009	LF Double Tier Hat And Coat Rack Aluminum.....	76.59	3.78
	<i>For Custom Made Units, Add</i>	38.52	

10 57 43 Wardrobe Units (10 57)

10 57 43 00-0001 Dormitory Wardrobe Units (10 57 43)

10 57 43 00-0002	EA 24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door.....	1,098.96	140.03
	<i>For Custom Made Units, Add</i>	561.37	
10 57 43 00-0003	EA 24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door.....	858.41	140.03
	<i>For Custom Made Units, Add</i>	417.04	

10 70 Exterior Specialties (10)

10 73 Protective Covers (10 70)

10 73 13 Awnings (10 73)

10 73 13 00-0001 Metal Awnings (10 73 13)

Note: Includes metal cover, frame supports and anchoring.

10 73 13 00-0002	SF Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish.....	29.73	6.62
10 73 13 00-0003	SF Ribbed Aluminum Window Awning, Baked Enamel Finish	26.41	5.92
10 73 13 00-0004	SF Flat Roofed Steel Awning (Per SF Of Covered Area)	72.08	6.87
10 73 13 00-0005	SF Arched Roofed Steel Awning (Per SF Of Covered Area).....	74.63	7.73

10 73 13 00-0006 Canvas Awnings (10 73 13)

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 00-0007	SF Canvas Awning, Waterproof Fabric Tubular Metal Framing	26.62	5.17
10 73 13 00-0008	SF Side Protection Canvas For Walkways (Per SF Of Wall Area).....	14.32	1.67
10 73 13 00-0009	SF Replacement Canvas For Awnings.....	15.22	
	<i>Note: Includes removal of existing canvas cover.</i>		
	<i>For 18 Oz. Vinyl Laminated Polyester Cover, Add</i>	0.46	

10 73 16 Canopies (10 73)

10 73 16 00-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16)

Note: Includes cover, frame supports and anchoring.

10 73 16 00-0002	EA 8' x 10' Canopy, Aluminum, Wall Hung.....	2,542.65	339.94
10 73 16 00-0003	EA 8' x 20' Canopy, Aluminum, Wall Hung.....	4,545.66	544.04
10 73 16 00-0004	EA 10' x 10' Canopy, Aluminum, Wall Hung.....	3,143.39	425.34
10 73 16 00-0005	EA 10' x 20' Canopy, Aluminum, Wall Hung.....	5,347.09	568.77

10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 00-0001 Steel Walkway/Parking Covers (10 73 26)

Note: Factory applied polyester finish.

10 73 26 00-0002	SF Flat Roofed Steel Walkway/Parking Cover	36.94	4.94
	<i>Note: Includes factory applied polyester finish.</i>		
	<i>For Snow Load (30 PSF), Add</i>	10.82	
	<i>For Wind Load (140 MPH), Add</i>	13.53	
10 73 26 00-0003	SF Arch Roofed Steel Walkway/Parking Cover.....	39.39	5.33
	<i>Note: Includes factory applied polyester finish.</i>		
	<i>For Snow Load (30 PSF), Add</i>	11.50	
	<i>For Wind Load (140 MPH), Add</i>	14.37	

10 73 26 00-0004 Aluminum Walkway/Parking Covers (10 73 26)

10	Specialties
10 70	Exterior Specialties
10 73	Protective Covers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 26 00-0005	SF		Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	23.93	4.94
			For Snow Load (30 PSF), Add	5.62	
			For Wind Load (140 MPH), Add	7.02	
10 73 26 00-0006	SF		Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	25.97	5.33
			For Snow Load (30 PSF), Add	6.13	
			For Wind Load (140 MPH), Add	7.66	

10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)

10 75 16 00-0002	EA	25'	Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	2,812.65	640.01
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	20.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA	30'	Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	3,306.57	698.19
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	50.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA	35'	Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,196.46	814.55
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	10.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0005	EA	40'	Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,878.16	930.91
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	50.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0006	EA	50'	Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	9,306.91	1,047.28
			For Internal Halyard, Winch System, Add	1,700.00	
			For Bronze Finish, Add	200.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0007	EA	60'	Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	11,102.93	1,163.64
			For Internal Halyard, Winch System, Add	1,900.00	
			For Bronze Finish, Add	160.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0008	EA	70'	Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	19,388.90	1,280.01
			For Internal Halyard, Winch System, Add	2,860.00	
			For Bronze Finish, Add	700.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0009	EA	78'	Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	25,225.84	1,396.37
			For Internal Halyard, Winch System, Add	2,900.00	
			For Bronze Finish, Add	900.00	
			For Rope Lock Box, Add	96.00	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles (10 75 16)

Note: Heavy duty.

10 75 16 00-0011	EA	20'	Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,307.70	581.82
			For Internal Halyard, Winch System, Add	570.00	
			For Clear Anodized Finish, Add	150.00	
			For Bronze Anodized Finish, Add	180.00	
			For Black Anodized Finish, Add	230.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0012	EA	25'	Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,760.75	640.01
			For Internal Halyard, Winch System, Add	1,100.00	
			For Clear Anodized Finish, Add	200.00	
			For Bronze Anodized Finish, Add	230.00	
			For Black Anodized Finish, Add	320.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0013	EA	30'	Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,096.83	698.19
			For Internal Halyard, Winch System, Add	1,390.00	
			For Clear Anodized Finish, Add	300.00	
			For Bronze Anodized Finish, Add	375.00	
			For Black Anodized Finish, Add	450.00	
			For Rope Lock Box, Add	96.00	



Specialties	10	10
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0014 EA 35' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,956.15 1,340.00 290.00 360.00 480.00 96.00	814.55
10 75 16 00-0015 EA 40' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	5,026.06 1,490.00 390.00 480.00 660.00 96.00	930.91
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	5,537.63 1,340.00 400.00 500.00 700.00 96.00	989.09
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,985.16 1,380.00 700.00 860.00 1,130.00 96.00	1,047.28
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	11,986.14 1,800.00 620.00 820.00 1,160.00 96.00	1,163.64
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	13,453.84 1,720.00 710.00 950.00 1,360.00 96.00	1,280.01
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	16,489.29 2,600.00 1,100.00 1,380.00 1,840.00 96.00	1,396.37
10 75 16 00-0021 Flagpole Bases (10 75 16)		
10 75 16 00-0022 Flagpole Concrete Base (10 75 16 00-0021) Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023 EA 30' Or Less Flagpole, Poured Concrete Foundation	1,011.61	
10 75 16 00-0024 EA 35' Flagpole, Poured Concrete Foundation	1,045.86	
10 75 16 00-0025 EA 40' Flagpole, Poured Concrete Foundation	1,203.38	
10 75 16 00-0026 EA 45' Flagpole, Poured Concrete Foundation	1,272.95	
10 75 16 00-0027 EA 50' Flagpole, Poured Concrete Foundation	1,525.46	
10 75 16 00-0028 EA 60' Flagpole, Poured Concrete Foundation	1,848.17	
10 75 16 00-0029 EA 70' Flagpole, Poured Concrete Foundation	2,186.01	
10 75 16 00-0030 EA 80' Flagpole, Poured Concrete Foundation	2,543.47	
10 75 16 00-0031 EA 90' To 100' Flagpole, Poured Concrete Foundation.....	2,967.00	
10 75 16 00-0032 Direct Embedded Flagpole Base (10 75 16 00-0021) Note: Augured in place, no concrete required.		
10 75 16 00-0033 EA 20' To 25' Flagpole, Direct Embedded Pole Base.....	456.61	
10 75 16 00-0034 EA 30' To 40' Flagpole, Direct Embedded Pole Base.....	655.78	
10 75 16 00-0035 EA 45' To 55' Flagpole, Direct Embedded Pole Base.....	731.25	
10 75 16 00-0036 EA 60' To 70' Flagpole, Direct Embedded Pole Base.....	824.98	
10 75 16 00-0037 Flagpole Accessories (10 75 16)		
10 75 16 00-0038 Flagpole Tops (10 75 16 00-0037) Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039 EA 4" Gold Anodized Aluminum Ball For Top Of Flagpole	88.86	32.15
10 75 16 00-0040 EA 5" Gold Anodized Aluminum Ball For Top Of Flagpole	97.33	34.04
10 75 16 00-0041 EA 6" Gold Anodized Aluminum Ball For Top Of Flagpole	106.96	35.93
10 75 16 00-0042 EA 8" Gold Anodized Aluminum Ball For Top Of Flagpole	136.48	37.82
10 75 16 00-0043 EA 10" Gold Anodized Aluminum Ball For Top Of Flagpole	189.40	39.71
10 75 16 00-0044 EA 12" Gold Anodized Aluminum Ball For Top Of Flagpole	211.91	41.60

10	Specialties
10 70	Exterior Specialties
10 75	Flagpoles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	176.81	41.60
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	211.56	47.27
10 75 16 00-0047			Flagpole Accessories <small>(10 75 16 00-0037)</small>		
			Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF		5/16" Nylon Wire Core (#10).....	0.70	0.06
10 75 16 00-0049	LF		5/16" Polypropylene Wire Cord (#10).....	0.36	0.06
10 75 16 00-0050	LF		5/16" Nylon (#10).....	0.28	0.06
10 75 16 00-0051	LF		3/8" Nylon Wire Core (#12).....	0.94	0.06
10 75 16 00-0052	EA		Refinish Existing Ball.....	246.44	94.52
10 75 16 00-0053	EA		Aluminum Cleat Box, Locking.....	225.78	56.71
10 75 16 00-0054	EA		Aluminum Cleat.....	18.67	3.78
10 75 16 00-0055	LF		1/8" Diameter 7x7 Galvanized Wire Rope.....	0.46	0.08
10 75 23			Wall-Mounted Flagpoles <small>(10 75)</small>		
10 75 23 00-0001			Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles <small>(10 75 23)</small>		
			Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,570.62	510.37
			For Clear Anodized Finish, Add	60.00	
			For Bronze Anodized Finish, Add	80.00	
			For Black Anodized Finish, Add	90.00	
			For Rope Lock Box, Add	96.00	
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,707.79	561.41
			For Clear Anodized Finish, Add	70.00	
			For Bronze Anodized Finish, Add	80.00	
			For Black Anodized Finish, Add	100.00	
			For Rope Lock Box, Add	96.00	
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,833.27	612.45
			For Clear Anodized Finish, Add	70.00	
			For Bronze Anodized Finish, Add	110.00	
			For Black Anodized Finish, Add	120.00	
			For Rope Lock Box, Add	96.00	
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	2,131.02	714.51
			For Clear Anodized Finish, Add	70.00	
			For Bronze Anodized Finish, Add	90.00	
			For Black Anodized Finish, Add	100.00	
			For Rope Lock Box, Add	96.00	
10 75 23 00-0006			Outrigger, Wall Mounted Tapered Aluminum Flagpoles <small>(10 75 23)</small>		
			Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA		10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish.....	2,252.42	459.33
			For Rope Lock Box, Add	96.00	
10 75 23 00-0008	EA		15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish.....	2,284.30	510.37
			For Rope Lock Box, Add	96.00	
10 75 23 00-0009	EA		20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish.....	2,511.85	612.45
			For Rope Lock Box, Add	96.00	
10 80			Other Specialties <small>(10)</small>		
10 81			Pest Control Devices <small>(10 80)</small>		
10 81 13			Bird Control Devices <small>(10 81)</small>		
10 81 13 00-0001			Stainless Steel Spiked Bird Barrier <small>(10 81 13)</small>		
			Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	6.53	0.60
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	7.13	0.60
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	9.50	0.60
10 81 13 00-0005			Polycarbonate Spiked Bird Barrier <small>(10 81 13)</small>		
			Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	4.98	0.60
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	6.03	0.60
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	7.21	0.60
10 81 13 00-0009			Spiked Gutter Or Girder Bird Barrier <small>(10 81 13)</small>		
			Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF		Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application.....	5.63	0.60
10 81 13 00-0011			Coil Bird Barrier <small>(10 81 13)</small>		
			Note: Stainless steel coil.		
10 81 13 00-0012	LF		4" Diameter Stainless Steel Coil Bird Deterrent System.....	4.07	0.60
10 81 13 00-0013	LF		5" Diameter Stainless Steel Coil Bird Deterrent System.....	4.77	0.60



Specialties	10	10
Other Specialties	10 80	
Pest Control Devices	10 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0014 Spider Bird Barrier <small>(10 81 13)</small>		
Note: Stainless steel arms with various bases.		
10 81 13 00-0015 EA 2' Diameter Stainless Steel Spider Bird Deterrent System	74.04	0.60
10 81 13 00-0016 EA 4' Diameter Stainless Steel Spider Bird Deterrent System	91.24	0.60
10 81 13 00-0017 EA 8' Diameter Stainless Steel Spider Bird Deterrent System	107.00	0.60
10 81 13 00-0018 Oriented Flexible Flame Resistant Netting <small>(10 81 13)</small>		
Note: Includes stainless steel rings and plastic ties. See CSI section 05 15 16 00-0000 for wire rope and mounting hardware.		
10 81 13 00-0019 SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting	0.61	0.27
Note: To control bird and marine predators.		
10 81 13 00-0020 SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting	0.60	0.27
Note: To control bird and marine predators.		
10 81 13 00-0021 SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting	0.59	0.27
Note: To control bird and marine predators.		
10 81 13 00-0022 SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.58	0.27
Note: To control bird and marine predators.		
10 81 13 00-0023 SF 1" x 1" Mesh Flexible Polypropylene Netting	0.58	0.27
Note: To control bird and marine predators.		
10 81 13 00-0024 SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.58	0.27
Note: To control bird and marine predators.		
10 81 13 00-0025 SF 2" x 2" Mesh Flexible Polypropylene Netting	0.57	0.27
Note: To control bird and marine predators.		
10 81 13 00-0026 SF 3" x 3" Mesh Flexible Polypropylene Netting	0.57	0.27
Note: To control bird and marine predators.		
10 81 13 00-0027 SF 4" x 4" Mesh Flexible Polypropylene Netting	0.56	0.27
Note: To control bird and marine predators.		
10 81 13 00-0028 SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.59	0.27
Note: To control bird and marine predators.		
10 81 13 00-0029 SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.58	0.27
Note: To control bird and marine predators.		
10 81 13 00-0030 EA Poly Clips For Flexible Netting.....	2.10	
10 81 13 00-0031 Netting Accessories <small>(10 81 13)</small>		
10 81 13 00-0032 EA 2' Zipper For Flexible Netting.....	4.40	
10 81 13 00-0033 EA 4' Zipper For Flexible Netting.....	6.63	
10 81 13 00-0034 EA 6' Zipper For Flexible Netting.....	7.80	
10 81 13 00-0035 EA 8' Zipper For Flexible Netting.....	11.09	
10 86 Security Mirrors And Domes <small>(10 86)</small>		
10 86 00 00-0001 Dome Mirrors <small>(10 86)</small>		
Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002 Steel Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0003 EA 9" Diameter Full-Dome Steel Dome Mirror	158.43	15.13
10 86 00 00-0004 EA 12" Diameter Full-Dome Steel Dome Mirror	185.58	15.88
10 86 00 00-0005 EA 18" Diameter Full-Dome Steel Dome Mirror	214.24	17.40
10 86 00 00-0006 EA 24" Diameter Full-Dome Steel Dome Mirror	284.15	18.91
10 86 00 00-0007 EA 9" Diameter Half-Dome Steel Dome Mirror	113.64	11.35
10 86 00 00-0008 EA 12" Diameter Half-Dome Steel Dome Mirror	130.76	12.11
10 86 00 00-0009 EA 18" Diameter Half-Dome Steel Dome Mirror.....	152.43	13.23
10 86 00 00-0010 EA 24" Diameter Half-Dome Steel Dome Mirror.....	210.42	14.37
10 86 00 00-0011 Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0012 EA 18" Diameter Full-Dome Plexiglas Dome Mirror	125.63	17.40
10 86 00 00-0013 EA 26" Diameter Full-Dome Plexiglas Dome Mirror	174.92	18.91
10 86 00 00-0014 EA 32" Diameter Full-Dome Plexiglas Dome Mirror	230.01	21.93
10 86 00 00-0015 EA 36" Diameter Full-Dome Plexiglas Dome Mirror	278.10	26.48
10 86 00 00-0016 EA 48" Diameter Full-Dome Plexiglas Dome Mirror	405.56	37.82
10 86 00 00-0017 EA 18" Diameter Half-Dome Plexiglas Dome Mirror.....	78.09	13.23
10 86 00 00-0018 EA 26" Diameter Half-Dome Plexiglas Dome Mirror.....	103.75	14.37
10 86 00 00-0019 EA 32" Diameter Half-Dome Plexiglas Dome Mirror.....	135.71	16.64
10 86 00 00-0020 EA 36" Diameter Half-Dome Plexiglas Dome Mirror.....	167.15	20.04
10 86 00 00-0021 EA 48" Diameter Half-Dome Plexiglas Dome Mirror.....	264.05	28.37
10 86 00 00-0022 EA 18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	51.67	11.35
10 86 00 00-0023 EA 26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	65.43	12.48
10 86 00 00-0024 EA 32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	84.95	14.00
10 86 00 00-0025 EA 36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	105.51	16.64
10 86 00 00-0026 EA 48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	173.22	23.64
10 86 00 00-0027 Coated Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0028 EA 18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	148.48	17.40
10 86 00 00-0029 EA 26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	226.19	18.91
10 86 00 00-0030 EA 36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	380.64	26.48
10 86 00 00-0031 EA 48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	585.01	37.82

10 Specialties**10 80 Other Specialties****10 86 Security Mirrors And Domes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0032 EA 18" Diameter Half-Dome Coated Plexiglas Dome Mirror	97.26	13.23
10 86 00 00-0033 EA 26" Diameter Half-Dome Coated Plexiglas Dome Mirror	142.43	14.37
10 86 00 00-0034 EA 36" Diameter Half-Dome Coated Plexiglas Dome Mirror	224.00	20.04
10 86 00 00-0035 EA 48" Diameter Half-Dome Coated Plexiglas Dome Mirror	368.82	28.37
10 86 00 00-0036 EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	71.40	11.35
10 86 00 00-0037 EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	98.65	12.48
10 86 00 00-0038 EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	126.85	14.00
10 86 00 00-0039 EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	162.57	16.64
10 86 00 00-0040 EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	253.47	23.64
10 86 00 00-0041 Circular Convex Security Mirrors (10 86)		
Note: Includes all mounting hardware.		
10 86 00 00-0042 Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043 EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor	55.41	12.11
10 86 00 00-0044 EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor	70.95	13.23
10 86 00 00-0045 EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor	104.98	14.37
10 86 00 00-0046 EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor	130.58	16.64
10 86 00 00-0047 EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor	172.73	20.04
10 86 00 00-0048 EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor	301.94	28.37
10 86 00 00-0049 EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	89.79	13.23
10 86 00 00-0050 EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	127.27	14.37
10 86 00 00-0051 EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	181.64	20.04
10 86 00 00-0052 EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	328.69	28.37
10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	107.18	13.23
10 86 00 00-0055 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	165.84	14.37
10 86 00 00-0056 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	221.65	16.64
10 86 00 00-0057 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	276.39	20.04
10 86 00 00-0058 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	401.14	28.37
10 86 00 00-0059 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	127.57	13.23
10 86 00 00-0060 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	194.82	14.37
10 86 00 00-0061 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	269.58	16.64
10 86 00 00-0062 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	305.36	20.04
10 86 00 00-0063 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	482.51	28.37
10 86 00 00-0064 Security Mirrors (10 86)		
10 86 00 00-0065 EA 8" x 10" Framed Stainless Steel Mirror With Mounting Plate	72.12	23.68
10 86 00 00-0066 EA 10" x 14" Framed Stainless Steel Mirror With Mounting Plate	79.27	23.68
10 86 00 00-0067 EA 16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	134.54	19.73
10 86 00 00-0068 EA 8" x 10" Framed Polycarbonate Mirror With Mounting Plate	61.19	23.68
10 86 00 00-0069 EA 10" x 14" Framed Polycarbonate Mirror With Mounting Plate	67.98	23.68
10 86 00 00-0070 EA 16" x 20" Unframed Polycarbonate Mirror With Mounting Screws	67.90	19.73
10 86 00 00-0071 EA 8" x 10" Framed Stainless Steel Replacement Mirror	63.58	23.68
10 86 00 00-0072 EA 10" x 14" Framed Stainless Steel Replacement Mirror	94.14	23.68

END OF SECTION 10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 01 Operation And Maintenance Of Equipment ⁽¹¹⁾

11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment ^(11 01)

11 01 10 00-0001 Replacement Parking Equipment ^(11 01 10)

11 01 10 00-0002	EA	10' Wood Arm Replacement With Bolts	303.62	
11 01 10 00-0003	EA	12' Wood Arm Replacement With Bolts	318.44	
11 01 10 00-0004	EA	14' Wood Arm Replacement With Bolts	335.23	
11 01 10 00-0005	EA	12' Aluminum Arm Replacement With Bolts	441.56	
11 01 10 00-0006	EA	14' Aluminum Arm Replacement With Bolts	457.37	
11 01 10 00-0007	EA	16' Aluminum Arm Replacement With Bolts	645.55	
11 01 10 00-0008	EA	18' Aluminum Arm Replacement With Bolts	655.78	
11 01 10 00-0009	EA	20' Aluminum Arm Replacement With Bolts	674.50	
11 01 10 00-0010	EA	22' Aluminum Arm Replacement With Bolts	774.67	
11 01 10 00-0011	EA	24' Aluminum Arm Replacement With Bolts	788.17	

11 10 Vehicle And Pedestrian Equipment ⁽¹¹⁾

11 11 Vehicle Service Equipment ^(11 10)

11 11 19 Vehicle Lubrication Equipment ^(11 11)

11 11 19 00-0001 Lube Equipment ^(11 11 19)

11 11 19 00-0002 Hose Reels With Pumps, Not Including Piping ^(11 11 19 00-0001)

11 11 19 00-0003	EA	1 Reel Hose Reel With Pump, Not Including Piping	2,926.96	1,213.09
11 11 19 00-0004	EA	2 Reel Hose Reel With Pump, Not Including Piping	3,549.20	1,415.00
11 11 19 00-0005	EA	3 Reel Hose Reel With Pump, Not Including Piping	4,244.44	1,615.93
11 11 19 00-0006	EA	4 Reel Hose Reel With Pumps, Not Including Piping	4,902.90	1,818.36
11 11 19 00-0007	EA	5 Reel Hose Reel With Pumps, Not Including Piping	5,564.17	2,018.92
11 11 19 00-0008	EA	Diesel Refueling Station, Including Valves, Hose, Nozzle And Stand	3,982.13	972.86
11 11 19 00-0009	EA	Lube Station, Including Valves, Hose, Nozzle And Stand	3,301.80	898.03

11 11 19 00-0010 Wash Reels And Supports ^(11 11 19)

11 11 19 00-0011	EA	Hose Reel With 100' Hose, 1-1/2" High Pressure Hose	1,463.18	89.14
11 11 19 00-0012	EA	Wash Station Support	682.19	169.45

11 11 19 00-0013 Pneumatic Powered Pump ^(11 11 19)

Note: Excludes air compressor.

11 11 19 00-0014	EA	Pumping Unit - Oil/Gear Lube	2,587.57	67.72
11 11 19 00-0015	EA	Pumping Unit - Grease	3,568.41	67.72

11 11 19 00-0016 Pumping Unit Accessories ^(11 11 19)

11 11 19 00-0017	EA	Hose Reel - 1,000 PSI- Oil/Lube	1,772.31	50.81
11 11 19 00-0018	EA	Hose Reel - 5,000 PSI- Grease	2,022.42	50.81
11 11 19 00-0019	EA	Hose Reel - 160 PSI- Air	1,335.84	50.81
11 11 19 00-0020	EA	Control Valve - Oil/Lube	745.57	25.44
11 11 19 00-0021	EA	Control Valve - Grease	402.28	25.44

11 11 26 Vehicle-Washing Equipment ^(11 11)

Note: Complete equipment and installation for system. Excludes earthwork, concrete foundation, walls or housing.

11 11 26 00-0001 Brushless Type ^(11 11 26)

11 11 26 00-0002	EA	30' Vehicle Wash Equipment, Brushless	200,860.26	
11 11 26 00-0003	EA	50' Vehicle Wash Equipment, Brushless	224,148.34	
11 11 26 00-0004	EA	100' Vehicle Wash Equipment, Brushless	290,172.83	
11 11 26 00-0005	EA	130' Vehicle Wash Equipment, Brushless	340,009.43	

11 11 26 00-0006 Brush Type ^(11 11 26)

11 11 26 00-0007	EA	30' Vehicle Wash Equipment, Brush	131,323.77	
11 11 26 00-0008	EA	50' Vehicle Wash Equipment, Brush	160,146.84	
11 11 26 00-0009	EA	100' Vehicle Wash Equipment, Brush	231,481.70	
11 11 26 00-0010	EA	130' Vehicle Wash Equipment, Brush	285,403.78	

11 11 26 00-0011 High Pressure Water System ^(11 11 26)

11 11 26 00-0012	EA	High Pressure Water Equipment	48,200.39	
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11	11	Equipment
	11 10	Vehicle And Pedestrian Equipment
	11 11	Vehicle Service Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 11 26 00-0013			Car Wash Package Water Heater, Gas Fired <small>(11 11 26)</small>		
Note: Continuous duty, high recovery.					
11 11 26 00-0014	EA		180 MBH Car Wash Water Heater, 174 GPH.....	5,600.85	
11 11 26 00-0015	EA		280 MBH Car Wash Water Heater, 270 GPH.....	6,022.72	
11 11 26 00-0016	EA		400 MBH Car Wash Water Heater, 386 GPH.....	6,885.31	
11 11 26 00-0017	EA		480 MBH Car Wash Water Heater, 464 GPH.....	7,304.47	
11 11 26 00-0018	EA		605 MBH Car Wash Water Heater, 584 GPH.....	8,398.96	
11 11 26 00-0019	EA		700 MBH Car Wash Water Heater, 676 GPH.....	8,949.18	
11 11 26 00-0020	EA		1,000 MBH Car Wash Water Heater, 966 GPH.....	10,054.65	
11 11 26 00-0021	EA		1,200 MBH Car Wash Water Heater, 1,159 GPH.....	13,494.65	
11 11 26 00-0022	EA		1,400 MBH Car Wash Water Heater, 1,353 GPH.....	14,776.33	

11 12 Parking Control Equipment (11 10)

11 12 16 Parking Ticket Dispensers (11 12)

11 12 16 00-0001			Parking Ticket Dispensers <small>(11 12 16)</small>		
11 12 16 00-0002	EA		Standard Parking Ticket Dispenser With Printer.....	5,363.10	148.25
11 12 16 00-0003	EA		Rate Computing Parking Ticket Dispenser With Printer.....	7,153.65	148.25

11 12 23 Parking Meters (11 12)

11 12 23 00-0001			Parking Meters <small>(11 12 23)</small>		
11 12 23 00-0002	EA		Remove Parking Meter For Replacement Or Reinstall Existing Meter.....	150.08	

11 12 26 Parking Fee Collection Equipment (11 12)

11 12 26 00-0001			Parking Fee Collection Equipment <small>(11 12 26)</small>		
11 12 26 00-0002	EA		Multiple Station Slot Box For Parking Fee Collection.....	1,294.02	50.24

11 12 33 Parking Gates (11 12)

11 12 33 13 Lift Arm Parking Gates (11 12 33)

11 12 33 13-0001			Barrier Parking Gate Operators <small>(11 12 33 13)</small>		
11 12 33 13-0002			Barrier Parking Gate Operators <small>(11 12 33 13-0001)</small>		
Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.					
11 12 33 13-0003	EA		12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,617.35	205.56
			<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0004	EA		14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,651.35	205.56
			<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0005	EA		14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,725.35	205.56
			<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0006	EA		20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080).....	3,694.97	205.56
			<i>For 230/460 Volt AC, Add</i>	322.50	
11 12 33 13-0007	EA		14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	4,397.40	205.56
11 12 33 13-0008	EA		14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	4,559.40	205.56

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes

(11 12 33 13-0001)
Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.

11 12 33 13-0010	EA		14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	7,325.75	411.13
11 12 33 13-0011	EA		14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	8,676.98	411.13
11 12 33 13-0012	EA		14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	7,422.25	411.13
11 12 33 13-0013	EA		14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	8,773.48	411.13

11 12 33 13-0014 Barrier Parking Gate Operator Accessories (11 12 33 13-0001)

11 12 33 13-0015	EA		12' Plastic Replacement Arm For Barrier Parking Gate Operators.....	87.25	16.62
11 12 33 13-0016	EA		14' Wood Replacement Arm For Barrier Parking Gate Operators.....	121.25	16.62
11 12 33 13-0017	EA		14' Aluminum Replacement Arm For Barrier Parking Gate Operators.....	195.25	16.62
11 12 33 13-0018	EA		20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators.....	276.25	16.62
11 12 33 13-0019	EA		Folding Wood Replacement Arm For Barrier Parking Gate Operators.....	268.75	16.62
11 12 33 13-0020	EA		Folding Plastic Replacement Arm For Barrier Parking Gate Operators.....	268.75	16.62
11 12 33 13-0021	EA		Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	325.75	16.62
11 12 33 13-0022	EA		Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092).....	361.46	99.74
11 12 33 13-0023	EA		Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	361.46	99.74
11 12 33 13-0024	EA		Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010).....	382.33	



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Parking Control Equipment	11 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B).....	959.33	
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2' x 2' Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	544.39	16.62
Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36 Tire Shredders (11 12)		
11 12 36 00-0001 Tire Shredding Traffic Control Spikes (11 12 36)		
11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0003 EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081).....	1,233.45	265.95
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0005 EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-086).....	1,833.98	132.98
11 12 36 00-0006 EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-085)	1,347.98	132.98
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0008 EA Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615).....	977.24	49.86
Note: Includes light and mounting post.		
11 12 36 00-0009 EA Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603).....	780.98	66.49
Note: Includes mounting post and hardware.		
11 13 Loading Dock Equipment (11 10)		
11 13 13 Loading Dock Bumpers (11 13)		
11 13 13 00-0001 Laminated Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0003 EA 14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	84.67	15.12
11 13 13 00-0004 EA 24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	104.83	15.12
11 13 13 00-0005 EA 36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	133.50	15.12
11 13 13 00-0006 EA 12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	93.29	15.12
11 13 13 00-0007 EA 14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	100.35	15.12
11 13 13 00-0008 EA 18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	113.23	15.12
11 13 13 00-0009 EA 24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	133.50	15.12
11 13 13 00-0010 EA 36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	179.19	15.12
11 13 13 00-0011 EA 12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	104.72	15.12
11 13 13 00-0012 EA 12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	113.23	15.12
11 13 13 00-0013 EA 12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	137.53	15.12
11 13 13 00-0014 EA 12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	154.78	15.12
11 13 13 00-0015 EA 12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	210.78	15.12
11 13 13 00-0016 EA 11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	127.56	15.12
11 13 13 00-0017 EA 11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	147.50	15.12
11 13 13 00-0018 EA 11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	190.17	15.12
11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020 EA 12" x 10", 6" Projection, Laminated Rubber Dock Bumper	117.98	15.12
11 13 13 00-0021 EA 14" x 10", 6" Projection, Laminated Rubber Dock Bumper	125.03	15.12
11 13 13 00-0022 EA 18" x 10", 6" Projection, Laminated Rubber Dock Bumper	142.06	15.12
11 13 13 00-0023 EA 24" x 10", 6" Projection, Laminated Rubber Dock Bumper	168.04	15.12
11 13 13 00-0024 EA 36" x 10", 6" Projection, Laminated Rubber Dock Bumper	225.27	15.12
11 13 13 00-0025 EA 12" x 12", 6" Projection, Laminated Rubber Dock Bumper	133.66	15.12
11 13 13 00-0026 EA 14" x 12", 6" Projection, Laminated Rubber Dock Bumper	139.48	15.12
11 13 13 00-0027 EA 18" x 12", 6" Projection, Laminated Rubber Dock Bumper	162.44	15.12
11 13 13 00-0028 EA 24" x 12", 6" Projection, Laminated Rubber Dock Bumper	196.71	15.12
11 13 13 00-0029 EA 36" x 12", 6" Projection, Laminated Rubber Dock Bumper	276.12	15.12
11 13 13 00-0030 EA 11" x 20", 6" Projection, Laminated Rubber Dock Bumper	167.93	15.12
11 13 13 00-0031 EA 11" x 24", 6" Projection, Laminated Rubber Dock Bumper	191.00	15.12
11 13 13 00-0032 EA 11" x 36", 6" Projection, Laminated Rubber Dock Bumper	236.25	15.12
11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035 EA 12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	45.07	15.12
11 13 13 00-0036 EA 18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	47.83	15.12
11 13 13 00-0037 EA 24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	51.46	15.12
11 13 13 00-0038 EA 36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	59.20	15.12
11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0040 EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	56.84	15.12
11 13 13 00-0041 EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	64.53	15.12
11 13 13 00-0042 EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	69.10	15.12
11 13 13 00-0043 EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	78.98	15.12

11	11 Equipment
	11 10 Vehicle And Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 13 00-0044	6" Projection, Extruded Rubber Dock Bumpers <small>(11 13 13 00-0033)</small>		
11 13 13 00-0045	EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	71.70	15.12
11 13 13 00-0046	EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	87.22	15.12
11 13 13 00-0047	EA 24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	102.04	15.12
11 13 13 00-0048	EA 36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	133.28	15.12

11 13 13 00-0049 **Molded Rubber Dock Bumpers** (11 13 13)

11 13 13 00-0050	Rectangular Molded Rubber Dock Bumpers <small>(11 13 13 00-0049)</small>		
11 13 13 00-0051	EA 18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	72.19	15.12
11 13 13 00-0052	EA 10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	63.55	15.12
11 13 13 00-0053	EA 20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	85.46	15.12
11 13 13 00-0054	EA 30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	107.34	15.12
11 13 13 00-0055	EA 24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	83.70	15.12
11 13 13 00-0056	EA 13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	65.52	15.12
11 13 13 00-0057	EA 18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	83.00	15.12
11 13 13 00-0058	EA 30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	150.54	15.12
11 13 13 00-0059	EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	69.45	15.12
11 13 13 00-0060	EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	97.58	15.12
11 13 13 00-0061	EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	135.00	15.12
11 13 13 00-0062	EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	183.15	15.12

11 13 13 00-0063 **T And L Shaped Rubber Dock Bumpers** (11 13 13 00-0049)

11 13 13 00-0064	EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	95.52	15.12
11 13 13 00-0065	EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	86.58	15.12

11 13 16 Loading Dock Seals And Shelters (11 13)

11 13 16 13 Loading Dock Seals (11 13 16)

11 13 16 13-0001	Vinyl Loading Dock Seals <small>(11 13 16 13)</small>		
11 13 16 13-0002	LF 10" Projection, Standard Vinyl Dock Seal.....	66.63	15.12
11 13 16 13-0003	LF 11" Projection, Standard Vinyl Dock Seal.....	68.91	15.12
11 13 16 13-0004	LF 12" Projection, Standard Vinyl Dock Seal.....	70.15	15.12
11 13 16 13-0005	LF 13" Projection, Standard Vinyl Dock Seal.....	71.30	15.12
11 13 16 13-0006	LF 14" Projection, Standard Vinyl Dock Seal.....	72.54	15.12
11 13 16 13-0007	LF 15" Projection, Standard Vinyl Dock Seal.....	73.69	15.12
11 13 16 13-0008	LF 16" Projection, Standard Vinyl Dock Seal.....	74.93	15.12
11 13 16 13-0009	LF 17" Projection, Standard Vinyl Dock Seal.....	76.08	15.12
11 13 16 13-0010	LF 18" Projection, Standard Vinyl Dock Seal.....	77.32	15.12
11 13 16 13-0011	LF 19" Projection, Standard Vinyl Dock Seal.....	78.47	15.12
11 13 16 13-0012	LF 20" Projection, Standard Vinyl Dock Seal.....	79.71	15.12

11 13 16 13-0013 **Drape Style, Vinyl Loading Dock Seals** (11 13 16 13)

11 13 16 13-0014	LF 10" Projection, Drape Style Vinyl Dock Seal.....	52.23	15.12
11 13 16 13-0015	LF 12" Projection, Drape Style Vinyl Dock Seal.....	53.39	15.12
11 13 16 13-0016	LF 14" Projection, Drape Style Vinyl Dock Seal.....	55.88	15.12
11 13 16 13-0017	LF 16" Projection, Drape Style Vinyl Dock Seal.....	58.41	15.12
11 13 16 13-0018	LF 18" Projection, Drape Style Vinyl Dock Seal.....	60.90	15.12
11 13 16 13-0019	LF 20" Projection, Drape Style Vinyl Dock Seal.....	63.43	15.12
11 13 16 13-0020	LF 22" Projection, Drape Style Vinyl Dock Seal.....	65.96	15.12

11 13 16 23 Loading Dock Shelters (11 13 16)

11 13 16 23-0001	Retractable Vinyl Loading Dock Shelter <small>(11 13 16 23)</small>		
11 13 16 23-0002	LF Retractable Vinyl Dock Shelters, Scissor Arms.....	97.10	18.90

11 13 16 23-0003 **Rigid Loading Dock Shelters** (11 13 16 23)

11 13 16 23-0004	LF 18" Projection, Rigid Loading Dock Shelter.....	91.27	18.15
11 13 16 23-0005	LF 24" Projection, Rigid Loading Dock Shelter.....	95.60	18.15
11 13 16 23-0006	LF 30" Projection, Rigid Loading Dock Shelter.....	99.38	18.90
11 13 16 23-0007	LF 36" Projection, Rigid Loading Dock Shelter.....	101.76	18.90

11 13 19 Stationary Loading Dock Equipment (11 13)

Note: Includes all anchor bolts and fasteners.

11 13 19 13 Loading Dock Levelers (11 13 19)

11 13 19 13-0001	Hydraulic Dock Levelers <small>(11 13 19 13)</small>		
11 13 19 13-0002	20,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0003	EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,941.01	553.45
11 13 19 13-0004	EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,411.05	614.94



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0005 EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,116.05	737.93
11 13 19 13-0006 EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,386.50	614.94
11 13 19 13-0007 EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,035.15	676.43
11 13 19 13-0008 EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,640.35	737.93
11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0010 EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,093.76	553.45
11 13 19 13-0011 EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,570.53	614.94
11 13 19 13-0012 EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,265.51	737.93
11 13 19 13-0013 EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,537.32	614.94
11 13 19 13-0014 EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,175.57	676.43
11 13 19 13-0015 EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,933.00	737.93
11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0017 EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,410.16	645.69
11 13 19 13-0018 EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,876.49	737.93
11 13 19 13-0019 EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,618.80	860.91
11 13 19 13-0020 EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,876.49	737.93
11 13 19 13-0021 EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,499.11	830.17
11 13 19 13-0022 EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	10,241.42	830.17
11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0024 EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,672.66	614.94
11 13 19 13-0025 EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,139.90	676.43
11 13 19 13-0026 EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,275.23	799.43
11 13 19 13-0027 EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,139.90	676.43
11 13 19 13-0028 EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,832.94	737.93
11 13 19 13-0029 EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,602.31	860.91
11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0031 EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,158.57	614.94
11 13 19 13-0032 EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,625.37	676.43
11 13 19 13-0033 EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,386.61	799.43
11 13 19 13-0034 EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,625.37	676.43
11 13 19 13-0035 EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,318.96	737.93
11 13 19 13-0036 EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	11,088.13	860.91
11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0038 EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,540.42	676.43
11 13 19 13-0039 EA 6' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,012.89	737.93
11 13 19 13-0040 EA 6' x 10', 45,000 LB Hydraulic Dock Leveler.....	10,767.51	860.91
11 13 19 13-0041 EA 7' x 6', 45,000 LB Hydraulic Dock Leveler.....	9,013.82	737.93
11 13 19 13-0042 EA 7' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,703.16	799.43
11 13 19 13-0043 EA 7' x 10', 45,000 LB Hydraulic Dock Leveler.....	11,463.92	922.41
11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)		
11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0046 EA 6' x 6', 20,000 LB Manual Dock Leveler.....	5,359.01	553.45
11 13 19 13-0047 EA 6' x 8', 20,000 LB Manual Dock Leveler.....	5,839.04	614.94
11 13 19 13-0048 EA 6' x 10', 20,000 LB Manual Dock Leveler.....	7,534.05	737.93
11 13 19 13-0049 EA 7' x 6', 20,000 LB Manual Dock Leveler.....	5,805.92	614.94
11 13 19 13-0050 EA 7' x 8', 20,000 LB Manual Dock Leveler.....	6,453.15	676.43
11 13 19 13-0051 EA 7' x 10', 20,000 LB Manual Dock Leveler.....	8,219.69	737.93
11 13 19 13-0052 40,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0053 EA 6' x 6', 40,000 LB Manual Dock Leveler.....	6,716.49	614.94
11 13 19 13-0054 EA 6' x 8', 40,000 LB Manual Dock Leveler.....	7,183.29	676.43
11 13 19 13-0055 EA 6' x 10', 40,000 LB Manual Dock Leveler.....	7,719.48	799.43
11 13 19 13-0056 EA 7' x 6', 40,000 LB Manual Dock Leveler.....	7,183.29	676.43
11 13 19 13-0057 EA 7' x 8', 40,000 LB Manual Dock Leveler.....	8,203.85	737.93
11 13 19 13-0058 EA 7' x 10', 40,000 LB Manual Dock Leveler.....	9,646.05	860.91
11 13 19 13-0059 Edge-Of-Dock Levelers (11 13 19 13)		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060 Hydraulic Edge-Of-Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0061 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,935.77	184.48
11 13 19 13-0062 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,162.69	184.48
11 13 19 13-0063 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,136.12	184.48
11 13 19 13-0064 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,448.16	184.48

11	11 Equipment
	11 10 Vehicle And Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0065 Manual Edge-Of-Dock Levelers <small>(11 13 19 13-0065)</small>		
11 13 19 13-0066 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,524.80	184.48
11 13 19 13-0067 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,521.05	184.48
11 13 19 13-0068 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,568.07	184.48
11 13 19 13-0069 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,677.23	184.48
11 13 19 23 Stationary Loading Dock Lifts <small>(11 13 19)</small>		
11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0002 EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	13,598.08	152.58
11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0004 EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	8,297.94	152.58
11 13 19 23-0005 EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	16,033.12	228.86
11 13 19 23-0006 EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	30,380.61	457.73
11 13 19 23-0007 EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	29,305.73	610.31
11 13 19 26 Loading Dock Truck Lifts <small>(11 13 19)</small>		
11 13 19 26-0001 Hydraulic Truck Lifts <small>(11 13 19 26)</small>		
11 13 19 26-0002 EA 10' x 15', 60,000 LB Platform Truck Lift	26,140.32	1,287.66
11 13 19 26-0003 EA 10' x 20', 60,000 LB Platform Truck Lift	29,890.89	1,545.19
11 13 19 33 Loading Dock Truck Restraints <small>(11 13 19)</small>		
11 13 19 33-0001 Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002 EA Truck Restraint System (Poweramp Powerstop AAL).....	6,130.83	230.60
Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0003 EA Rotating Hook Truck Restraint System (Kelley Star 4)	4,228.55	230.60
Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 23 Portable Dock Equipment <small>(11 13)</small>		
11 13 23 23 Portable Dock Platforms <small>(11 13 23)</small>		
11 13 23 23-0001 EA 6' x 6', 5,000 LB Capacity Portable Platform Lift.....	13,704.36	83.11
11 13 26 Loading Dock Lights <small>(11 13)</small>		
11 13 26 00-0001 Communication Lights <small>(11 13 26)</small>		
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	218.63	61.77
Note: Excludes control console.		
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	266.26	61.77
11 13 26 00-0004 EA Dock Guide Light For Truck Backing	125.91	49.41
11 13 26 00-0005 Communication Lights Controls <small>(11 13 26)</small>		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	246.39	82.36
11 13 26 00-0007 Loading Dock Lights <small>(11 13 26)</small>		
11 13 26 00-0008 Incandescent Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	280.77	82.36
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	295.47	82.36
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	321.25	82.36
11 13 26 00-0012 Metal Halide Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide	468.61	82.36
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	514.65	82.36
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	551.47	82.36
11 13 26 00-0016 Quartz Halogen Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	290.29	82.36
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	319.43	82.36
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	344.29	82.36

11 14 Pedestrian Control Equipment (11 10)



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Pedestrian Control Equipment	11 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 Pedestrian Gates (11 14)		
11 14 13 16 Rotary Gates (11 14 13)		
11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability (11 14 13 16)		
11 14 13 16-0002 Mechanical (11 14 13 16-0001)		
11 14 13 16-0003 Galvanized Steel (11 14 13 16-0002)		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	6,631.34	1,031.01
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	7,420.96	1,031.01
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	14,526.08	1,538.23
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	14,090.63	1,538.23
11 14 13 16-0008 Powder Coated Steel (11 14 13 16-0002)		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	7,431.12	1,031.01
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	8,190.25	1,031.01
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	17,009.60	1,538.23
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	15,402.79	1,538.23
11 14 13 16-0013 Anodized Aluminum (11 14 13 16-0002)		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	7,778.03	1,031.01
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	13,091.97	1,031.01
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	15,338.92	1,538.23
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	25,348.47	1,538.23
11 14 13 16-0018 Stainless Steel (11 14 13 16-0002)		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	11,980.12	1,031.01
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	13,382.27	1,031.01
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	19,170.88	1,538.23
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	23,728.59	1,538.23
11 14 13 16-0023 Transparent (11 14 13 16-0002)		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	23,252.47	1,031.17
11 14 13 16-0025 Mechanical Options (11 14 13 16-0001)		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	123.38	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add	87.09	
11 14 13 16-0028 Electrical, One-Way (11 14 13 16-0001)		
11 14 13 16-0029 Galvanized Steel (11 14 13 16-0028)		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	6,981.15	1,031.01
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	7,772.22	1,031.01
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	15,832.43	1,538.23
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,655.27	1,538.23
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,832.43	1,538.23
11 14 13 16-0035 Powder Coated Steel (11 14 13 16-0028)		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	7,779.48	1,031.01
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	8,663.44	1,031.01
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	20,925.75	1,538.23
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,974.68	1,538.23
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,154.75	1,538.23
11 14 13 16-0041 Anodized Aluminum (11 14 13 16-0028)		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	7,924.63	1,031.01
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,374.59	1,031.01
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	13,527.42	1,031.01
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,138.70	1,538.23
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,864.53	1,538.23
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	26,101.79	1,538.23
11 14 13 16-0048 Stainless Steel (11 14 13 16-0028)		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	12,713.13	1,031.01
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	13,569.51	1,031.01
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	21,893.90	1,538.23

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 14 Pedestrian Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	24,847.70	1,538.23
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	27,313.80	1,538.23
11 14 13 16-0054 Transparent <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	21,253.75	1,031.17
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	22,467.21	1,031.17
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	22,997.00	1,031.17
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	37,750.08	1,538.23
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	40,087.00	1,538.23
11 14 13 16-0060 Electrical, Two-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0061 Galvanized Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	7,486.28	1,031.01
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	8,300.57	1,031.01
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	18,607.70	1,538.23
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	15,556.65	1,538.23
11 14 13 16-0066 Powder Coated Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	8,222.19	1,031.01
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	9,156.95	1,031.01
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	21,364.10	1,538.23
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	16,883.32	1,538.23
11 14 13 16-0071 Anodized Aluminum <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	8,422.49	1,031.01
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	8,852.14	1,031.01
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	14,106.57	1,031.01
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,153.30	1,538.23
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	27,043.82	1,538.23
11 14 13 16-0077 Stainless Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	13,203.73	1,031.01
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	14,074.63	1,031.01
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	22,253.87	1,538.23
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	25,573.45	1,538.23
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	28,315.33	1,538.23
11 14 13 16-0083 Transparent <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	21,674.69	1,031.17
11 14 13 16-0085 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	22,815.57	1,031.17
11 14 13 16-0086 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	23,470.19	1,031.17
11 14 13 16-0087 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	38,635.50	1,538.23
11 14 13 16-0088 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	40,812.75	1,538.23
11 14 13 16-0089 Electrical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090 EA Additional Set Of Electric Controls, Per Rotor, Add.....	483.35	
11 14 13 16-0091 EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add.....	339.65	
11 14 13 16-0092 EA Time-Out-Relay, Per Controlled Direction.....	111.77	
11 14 13 16-0093 EA Pulse-Relay, Per Controlled Direction.....	111.77	
11 14 13 16-0094 EA Pushbutton, Per Controlled Direction.....	88.54	
11 14 13 16-0095 EA Heel Protectors, (Per Heel Protector), Add.....	87.09	
11 14 13 16-0096 EA Card Reader Mounting Pad, Per Reader.....	79.83	
11 14 13 16-0097 EA Hydraulic Speed Control (Per Rotor), Add.....	2,027.75	
11 14 13 16-0098 Relocate Rotary Gate <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099 EA Relocate Rotary Gate.....	3,028.58	
11 14 13 19 Turnstiles <small>(11 14 13)</small>		
11 14 13 19-0001 Security Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0002 EA 7' Security Turnstile With Automatic Control Free Turning..... Note: One direction, Type B.	7,037.59	511.71
11 14 13 19-0003 EA 7' Security Turnstile, Type B Free Turning In Both Directions.....	6,214.12	511.71
11 14 13 19-0004 EA 7' Security Turnstile With Automatic Control Free Turning..... Note: One direction, Type AA.	8,315.16	511.71
11 14 13 19-0005 EA 7' Security Turnstile, Type AA Free Turning In Both Directions.....	7,561.22	511.71



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Pedestrian Control Equipment	11 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 14 13 19-0006	Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0007	EA 24" Diameter Manual Turnstile, Three Arm, Two Way.....	1,463.14	286.08
11 14 13 19-0008	EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter.....	1,871.84	286.08

11 20 Commercial Equipment (11)

11 21 Retail and Service Equipment (11 20)

11 21 63 Refrigerated Display Equipment (11 21)

11 21 63 00-0001	Dairy Products <small>(11 21 63)</small>		
11 21 63 00-0002	Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003	LF Refrigerated Case, Dairy, Multi-Deck <i>For Rear Sliding Doors, Add</i>	1,120.37 19.95	243.98
11 21 63 00-0004	Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005	EA 46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	4,847.03	177.48
11 21 63 00-0006	Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007	EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser.....	5,373.43	194.91
11 21 63 00-0008	Ice Cream Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009	EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	4,488.42	164.11
11 21 63 00-0010	Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011	EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer.....	1,119.34	40.85
11 21 63 00-0012	EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer.....	1,462.67	53.41
11 21 63 00-0013	Ice Cream Cabinets <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014	EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet.....	3,505.60	127.64
11 21 63 00-0015	EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet.....	4,994.88	184.20
11 21 63 00-0016	Delicatessen Case, Service Deli <small>(11 21 63)</small>		
11 21 63 00-0017	LF Delicatessen Case, Single-Deck.....	1,083.31	203.32
11 21 63 00-0018	LF Delicatessen Case, Multi-Deck.....	1,229.93	243.98
11 21 63 00-0019	EA Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	1,293.27	53.30
11 21 63 00-0020	Meat Case <small>(11 21 63)</small>		
11 21 63 00-0021	LF Meat Case, Single - Deck.....	844.27	243.98
11 21 63 00-0022	LF Meat Case, Multi - Deck.....	912.51	243.98
11 21 63 00-0023	Produce Case <small>(11 21 63)</small>		
11 21 63 00-0024	LF Produce Case, Single - Deck.....	874.65	243.98
11 21 63 00-0025	LF Produce Case, Multi - Deck.....	960.98	243.98
11 21 63 00-0026	Bottle Coolers <small>(11 21 63)</small>		
11 21 63 00-0027	EA Bottle Cooler, 6' Long.....	3,201.11	813.28
11 21 63 00-0028	EA Bottle Cooler, 10' Long.....	4,891.99	1,219.92
11 21 63 00-0029	Cold Pan Units <small>(11 21 63)</small>		
11 21 63 00-0030	EA 5" x 48", Iced, Cold Pan Units.....	1,794.06	65.00
11 21 63 00-0031	EA 5" x 72", Iced, Cold Pan Units.....	2,492.82	90.93
11 21 63 00-0032	EA 8" x 72", Iced, Cold Pan Units.....	2,947.39	107.54
11 21 63 00-0033	EA 5" x 48", Mechanical, Cold Pan Units.....	3,030.28	111.11
11 21 63 00-0034	EA 8" x 48", Mechanical, Cold Pan Units.....	3,297.73	119.95
11 21 63 00-0035	EA 8" x 72", Mechanical, Cold Pan Units.....	3,918.11	141.74
11 21 63 00-0036	Cold Cabinets (Insulated) <small>(11 21 63)</small>		
11 21 63 00-0037	EA 69-3/4" x 32" x 24", Insulated Cold Cabinet.....	1,627.96	56.24

11 26 Compact Kitchens (11 20)

11 26 13 Metal Compact Kitchens (11 26)

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes

11	11 Equipment
	11 20 Commercial Equipment
	11 26 Compact Kitchens



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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garbage disposer and hood exhaust vent piping.

11 26 13 00-0001	30" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0002	EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	1,992.15	406.48
	<i>For Gas Unit, Add</i>	217.53	
11 26 13 00-0003	EA 30" Compact Unit Kitchen With Refrigerator And Sink.....	1,709.07	284.54
11 26 13 00-0004	EA 30" Compact Unit Kitchen With Refrigerator And Range.....	1,567.77	243.89
11 26 13 00-0005	EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	466.83	226.83
11 26 13 00-0006	EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	981.44	151.22
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 26 13 00-0007	EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	63.98	13.29
11 26 13 00-0008	EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	57.34	13.29
11 26 13 00-0009	42" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0010	EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,326.25	447.13
	<i>For Gas Unit, Add</i>	259.51	
11 26 13 00-0011	EA 42" Compact Unit Kitchen With Refrigerator And Sink.....	2,107.66	365.83
11 26 13 00-0012	EA 42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	597.07	128.54
11 26 13 00-0013	EA 42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,140.24	170.13
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 26 13 00-0014	EA 42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	77.24	13.29
11 26 13 00-0015	EA 42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	64.16	13.29
11 26 13 00-0016	54" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0017	EA 54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,158.14	569.07
	<i>For Gas Unit, Add</i>	359.91	
11 26 13 00-0018	EA 54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	742.44	75.61
11 26 13 00-0019	EA 54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,268.05	189.02
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 26 13 00-0020	EA 54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	90.05	13.29
11 26 13 00-0021	EA 54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	66.68	13.29
11 26 13 00-0022	60" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0023	EA 60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	3,319.44	609.71
	<i>For Gas Unit, Add</i>	375.97	
11 26 13 00-0024	EA 60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	878.05	189.02
11 26 13 00-0025	EA 60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	95.66	13.29
11 26 13 00-0026	EA 60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	66.68	13.29
11 26 13 00-0027	72" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0028	EA 72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,560.73	650.37
	<i>For Gas Unit, Add</i>	404.04	
11 26 13 00-0029	EA 72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,073.65	226.83
11 26 13 00-0030	EA 72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	111.76	16.62
11 26 13 00-0031	EA 72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	69.70	16.62

11 30 Residential Equipment (11)

11 30 13 Residential Appliances (11 30)

11 30 13 13 Residential Kitchen Appliances (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001	Ranges With Ovens <small>(11 30 13 13)</small>		
	Note: Free standing or slide in.		
11 30 13 13-0002	Electric Ranges With Ovens <small>(11 30 13 13-0001)</small>		
11 30 13 13-0003	EA 20" Electric Range With Oven.....	481.98	66.49
	<i>For Stainless Steel, Add</i>	87.25	
11 30 13 13-0004	EA 24" Electric Range With Oven.....	501.98	66.49
	<i>For Stainless Steel, Add</i>	92.25	
11 30 13 13-0005	EA 30" Electric Range With Oven.....	531.98	66.49
	<i>For Stainless Steel, Add</i>	99.75	
11 30 13 13-0006	Gas Ranges With Ovens <small>(11 30 13 13-0001)</small>		
11 30 13 13-0007	EA 20" Gas Range With Oven.....	531.98	66.49
	<i>For Stainless Steel, Add</i>	99.75	
11 30 13 13-0008	EA 24" Gas Range With Oven.....	557.98	66.49
	<i>For Stainless Steel, Add</i>	106.25	
11 30 13 13-0009	EA 30" Gas Range With Oven.....	581.98	66.49
	<i>For Stainless Steel, Add</i>	112.25	
11 30 13 13-0010	Range Hoods <small>(11 30 13 13)</small>		
11 30 13 13-0011	Venting Range Hoods <small>(11 30 13 13-0010)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0012 EA 21" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	178.43 11.80	49.86
11 30 13 13-0013 EA 24" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	166.74 10.05	49.86
11 30 13 13-0014 EA 30" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	164.69 9.74	49.86
11 30 13 13-0015 EA 36" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	166.74 10.05	49.86
11 30 13 13-0016 Non-Ducted Range Hoods (11 30 13 13-0010)		
11 30 13 13-0017 EA 21" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	179.94 12.03	49.86
11 30 13 13-0018 EA 24" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	168.29 10.28	49.86
11 30 13 13-0019 EA 30" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	166.23 9.97	49.86
11 30 13 13-0020 EA 36" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	168.29 10.28	49.86
11 30 13 13-0021 Microwaves (11 30 13 13)		
11 30 13 13-0022 Countertop Microwaves (11 30 13 13-0021)		
11 30 13 13-0023 EA 1.1 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	98.62 12.30	8.31
11 30 13 13-0024 EA 1.2 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	116.61 15.00	8.31
11 30 13 13-0025 EA 1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	119.61 15.45	8.31
11 30 13 13-0026 EA 1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	145.62 19.35	8.31
11 30 13 13-0027 EA 1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	155.62 20.85	8.31
11 30 13 13-0028 EA 1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	165.62 22.35	8.31
11 30 13 13-0029 EA 1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	175.62 23.85	8.31
11 30 13 13-0030 EA 1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	185.62 25.35	8.31
11 30 13 13-0031 EA 2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	196.61 27.00	8.31
11 30 13 13-0032 Over-The-Range Microwaves (11 30 13 13-0021)		
11 30 13 13-0033 EA 1.5 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	355.31 38.34	66.48
11 30 13 13-0034 EA 1.6 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	398.72 44.85	66.48
11 30 13 13-0035 EA 1.7 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	412.71 46.95	66.48
11 30 13 13-0036 EA 1.8 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	517.71 62.70	66.48
11 30 13 13-0037 EA 2.0 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	418.72 47.85	66.48
11 30 13 13-0038 Trash Compactors (11 30 13 13)		
11 30 13 13-0039 EA 15" Built-In Trash Compactor, 4 To 1 Compaction <i>For Stainless Steel, Add</i>	781.98 116.82	66.49
11 30 13 13-0040 Refrigerators (11 30 13 13)		
11 30 13 13-0041 Top Freezer Refrigerators (11 30 13 13-0040)		
11 30 13 13-0042 EA Up To 10 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	386.48 48.00	33.25
11 30 13 13-0043 EA >10 To 12 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	465.49 59.85	33.25
11 30 13 13-0044 EA >12 To 14 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	516.48 67.50	33.25
11 30 13 13-0045 EA >14 To 16 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	546.48 72.00	33.25
11 30 13 13-0046 EA >16 To 18 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	626.48 84.00	33.25
11 30 13 13-0047 EA >18 To 20 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	695.49 94.35	33.25
11 30 13 13-0048 EA >20 To 22 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	746.48 102.00	33.25
11 30 13 13-0049 Side-By-Side Refrigerators (11 30 13 13-0040)		

11	Equipment
11 30	Residential Equipment
11 30 13	Residential Appliances



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0050	EA		Up To 22 CF Side-By-Side Refrigerator.....	766.37	33.25
			<i>For Stainless Steel, Add</i>	104.98	
11 30 13 13-0051	EA		>22 To 24 CF Side-By-Side Refrigerator.....	946.48	33.25
			<i>For Stainless Steel, Add</i>	132.00	
11 30 13 13-0052	EA		>24 To 26 CF Side-By-Side Refrigerator.....	1,066.48	33.25
			<i>For Stainless Steel, Add</i>	150.00	
11 30 13 13-0053			Other Refrigerators (11 30 13 13-0040)		
11 30 13 13-0054	EA		1.7 CF Dormitory Sized Refrigerator.....	131.35	16.62
			<i>For Stainless Steel, Add</i>	14.72	
11 30 13 13-0055	EA		4.4 CF Dormitory Sized Refrigerator.....	176.35	16.62
			<i>For Stainless Steel, Add</i>	21.47	
11 30 13 13-0056			Freezers (11 30 13 13)		
11 30 13 13-0057			Upright Freezers (11 30 13 13-0056)		
11 30 13 13-0058	EA		Up To 10 CF Upright Freezer.....	365.49	33.25
			<i>For Stainless Steel, Add</i>	44.85	
11 30 13 13-0059	EA		>10 To 12 CF Upright Freezer.....	465.49	33.25
			<i>For Stainless Steel, Add</i>	59.85	
11 30 13 13-0060	EA		>12 To 14 CF Upright Freezer.....	495.49	33.25
			<i>For Stainless Steel, Add</i>	64.35	
11 30 13 13-0061	EA		>14 To 16 CF Upright Freezer.....	565.49	33.25
			<i>For Stainless Steel, Add</i>	74.85	
11 30 13 13-0062	EA		>16 To 18 CF Upright Freezer.....	646.48	33.25
			<i>For Stainless Steel, Add</i>	87.00	
11 30 13 13-0063	EA		>18 To 20 CF Upright Freezer.....	686.49	33.25
			<i>For Stainless Steel, Add</i>	93.00	
11 30 13 13-0064	EA		>20 To 22 CF Upright Freezer.....	716.48	33.25
			<i>For Stainless Steel, Add</i>	97.50	
11 30 13 13-0065			Chest Freezers (11 30 13 13-0056)		
11 30 13 13-0066	EA		Up To 8 CF Chest Freezer.....	296.48	33.25
			<i>For Stainless Steel, Add</i>	34.50	
11 30 13 13-0067	EA		>8 To 10 CF Chest Freezer.....	366.48	33.25
			<i>For Stainless Steel, Add</i>	45.00	
11 30 13 13-0068	EA		>10 To 12 CF Chest Freezer.....	391.49	33.25
			<i>For Stainless Steel, Add</i>	48.75	
11 30 13 13-0069	EA		>12 To 14 CF Chest Freezer.....	436.48	33.25
			<i>For Stainless Steel, Add</i>	55.50	
11 30 13 13-0070	EA		>14 To 16 CF Chest Freezer.....	465.49	33.25
			<i>For Stainless Steel, Add</i>	59.85	
11 30 13 13-0071	EA		>16 To 18 CF Chest Freezer.....	565.49	33.25
			<i>For Stainless Steel, Add</i>	74.85	
11 30 13 13-0072	EA		>18 To 20 CF Chest Freezer.....	695.49	33.25
			<i>For Stainless Steel, Add</i>	94.35	
11 30 13 13-0073	EA		>20 To 22 CF Chest Freezer.....	716.48	33.25
			<i>For Stainless Steel, Add</i>	97.50	
11 30 13 13-0074			Automatic Ice Makers (11 30 13 13)		
11 30 13 13-0075	EA		15" Wide, 50 LB Per Day, Automatic Ice Maker.....	1,330.98	66.49
11 30 13 13-0076	EA		18" Wide, 50 LB Per Day, Automatic Ice Maker.....	1,480.98	66.49
11 30 13 13-0077			Built-In Dishwashers (11 30 13 13)		
11 30 13 13-0078	EA		18" Built-In Dishwasher.....	662.97	66.49
			<i>For Stainless Steel, Add</i>	79.50	
11 30 13 13-0079	EA		24" Built-In Dishwasher.....	452.97	66.49
			<i>For Stainless Steel, Add</i>	48.00	
11 30 13 13-0080			Disposals (11 30 13 13)		
11 30 13 13-0081	EA		1/3 HP Insulated Garbage Disposal (GE GFC320V).....	168.74	49.86
11 30 13 13-0082	EA		1/2 HP Insulated Garbage Disposal (GE GFC520V).....	188.74	49.86
11 30 13 13-0083	EA		3/4 HP Insulated Garbage Disposal (GE GFC720V).....	238.74	49.86
11 30 13 13-0084	EA		1 HP Insulated Garbage Disposal (GE GFC1020V).....	288.74	49.86
11 30 13 13-0085			Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)		
			Note: Includes storage, cleaning and final connections.		
11 30 13 13-0086	EA		Remove And Reinstall Garbage Disposal.....	99.74	
11 30 13 13-0087	EA		Remove And Reinstall Stove/Range.....	199.46	
11 30 13 13-0088	EA		Remove And Reinstall Dishwasher.....	212.77	
11 30 13 13-0089	EA		Remove And Reinstall Range Hood.....	99.74	
11 30 13 13-0090	EA		Remove And Reinstall Washer And Dryer.....	166.22	



Equipment	11	
Residential Equipment	11 30	11
Residential Appliances	11 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0091 Appliance Repair <small>(11 30 13 13)</small> Note: Includes removal.		
11 30 13 13-0092 EA 8" Burner Replacement.....	20.97	
11 30 13 13-0093 EA 4" Burner Element Replacement.....	35.97	
11 30 13 13-0094 EA 8" Burner Element Replacement.....	41.47	
11 30 13 13-0095 EA Burner Manifold Replacement.....	146.06	
11 30 13 13-0096 EA Burner Switch Replacement.....	57.50	
11 30 13 13-0097 EA Burner Tube, 5/8" x 4" Replacement.....	28.09	
11 30 13 13-0098 EA Oven Control Replacement.....	68.16	
11 30 13 13-0099 EA Oven Door Gasket Replacement.....	28.79	
11 30 13 13-0100 EA Oven Element Replacement.....	63.70	
11 30 13 13-0101 EA Oven Igniter Replacement.....	45.71	
11 30 13 13-0102 EA Oven Knobs Replacement.....	34.59	
11 30 13 13-0103 Accessories <small>(11 30 13 13)</small>		
11 30 13 13-0104 SF Colored Metal Range Splash Plate.....	11.11	2.66
11 30 13 13-0105 SF Stainless Steel Range Splash Plate.....	15.77	2.66
11 30 13 13-0106 Automatic Water Softener <small>(11 30 13 13)</small>		
11 30 13 13-0107 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30).....	717.52	149.67
11 30 13 13-0108 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40).....	840.36	149.67
11 30 13 23 Residential Laundry Appliances <small>(11 30 13)</small>		
11 30 13 23-0001 Washing Machines And Dryers <small>(11 30 13 23)</small>		
11 30 13 23-0002 Washing Machines <small>(11 30 13 23-0001)</small>		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	509.73	66.49
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine.....	799.73	66.49
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine.....	1,049.73	66.49
11 30 13 23-0006 Dryers <small>(11 30 13 23-0001)</small>		
11 30 13 23-0007 Electric Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer.....	398.74	66.49
11 30 13 23-0009 EA >6 To 6.5 CF, Electric Dryer.....	499.73	66.49
11 30 13 23-0010 EA >6.5 To 7 CF, Electric Dryer.....	609.73	66.49
11 30 13 23-0011 EA >7 To 7.5 CF, Electric Dryer.....	689.73	66.49
11 30 13 23-0012 Gas Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0013 EA Up To 6 CF, Gas Dryer.....	469.73	66.49
11 30 13 23-0014 EA >6 To 6.5 CF, Gas Dryer.....	569.73	66.49
11 30 13 23-0015 EA >6.5 To 7 CF, Gas Dryer.....	669.62	66.49
11 30 13 23-0016 EA >7 To 7.5 CF, Gas Dryer.....	759.73	66.49
11 30 33 Retractable Stairs <small>(11 30)</small>		
11 30 33 00-0001 Disappearing Folding Access Stairs <small>(11 30 33)</small>		
11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0003 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	484.21	151.28
11 30 33 00-0004 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	492.94	151.28
11 30 33 00-0005 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	492.94	151.28
11 30 33 00-0006 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	501.46	151.28
11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0008 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	563.93	151.28
11 30 33 00-0009 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	581.58	151.28
11 30 33 00-0010 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	574.32	151.28
11 30 33 00-0011 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	591.19	151.28
11 30 33 00-0012 EA 30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	584.40	151.28
11 30 33 00-0013 EA 30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	613.56	151.28
11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0015 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	579.09	151.28
11 30 33 00-0016 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	604.82	151.28
11 30 33 00-0017 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	586.26	151.28
11 30 33 00-0018 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	611.98	151.28
11 30 33 00-0019 EA 25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	755.23	151.28
11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs <small>(11 30 33 00-0001)</small>		

11	Equipment
11 30	Residential Equipment
11 30 33	Retractable Stairs



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0021 EA 22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	508.56	151.28
11 30 33 00-0022 EA 22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	530.43	151.28

11 40 Foodservice Equipment ⁽¹¹⁾

11 41 Foodservice Storage Equipment ^(11 40)

11 41 13 Refrigerated Food Storage Cases ^(11 41)

11 41 13 00-0001 Frozen Food Cases ^(11 41 13)

11 41 13 00-0002 LF Chest Type Frozen Food Case.....	869.28	243.98
11 41 13 00-0003 LF Reach-in Frozen Food Case (Glass Door).....	1,568.56	243.98
11 41 13 00-0004 LF Island Type Frozen Food Case.....	989.78	243.98
11 41 13 00-0005 LF Multi-Deck Frozen Food Case.....	1,510.25	243.98

11 41 13 00-0006 Reach-In Refrigerators ^(11 41 13)

11 41 13 00-0007 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	2,823.88	120.23
11 41 13 00-0008 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,480.15	151.64
11 41 13 00-0009 EA Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,631.83	167.52
11 41 13 00-0010 EA Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	2,939.13	120.23
11 41 13 00-0011 EA Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,821.90	151.64
11 41 13 00-0012 EA Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,069.44	167.52
11 41 13 00-0013 EA Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,379.85	120.23
11 41 13 00-0014 EA Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,566.39	151.64
11 41 13 00-0015 EA Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,972.67	120.23
11 41 13 00-0016 EA Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,715.52	151.64

11 41 13 00-0017 Reach-In Freezers ^(11 41 13)

11 41 13 00-0018 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	3,168.70	120.37
11 41 13 00-0019 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	4,197.57	151.42

11 41 23 Walk-In-Coolers ^(11 41)

11 41 23 00-0001 Walk-In Refrigerated Boxes ^(11 41 23)

Note: Overall heights include 4" floor panel and 4" ceiling panel.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor ^(11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003 EA 6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	6,899.17	915.46
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,419.59	
11 41 23 00-0004 EA 6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,235.75	1,029.89
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,715.64	
11 41 23 00-0005 EA 6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,729.01	1,144.33
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,800.81	
11 41 23 00-0006 EA 6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,881.83	1,373.19
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,012.97	
11 41 23 00-0007 EA 6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,401.64	1,602.06
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,316.68	
11 41 23 00-0008 EA 6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,612.08	1,830.92
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,542.61	
11 41 23 00-0009 EA 6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,801.14	2,059.78
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,763.69	
11 41 23 00-0010 EA 8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,076.83	1,144.33
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,887.77	
11 41 23 00-0011 EA 8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,934.80	1,258.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,064.23	
11 41 23 00-0012 EA 8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,204.16	1,487.62
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,304.95	
11 41 23 00-0013 EA 8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,868.09	1,716.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,644.86	
11 41 23 00-0014 EA 8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,157.64	1,945.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,891.19	
11 41 23 00-0015 EA 8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,488.31	2,174.22
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,147.21	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0016	EA		8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,776.56	2,403.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,393.54	
11 41 23 00-0017	EA		8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,103.34	2,631.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,648.29	
11 41 23 00-0018	EA		8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,397.98	2,860.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,895.89	
11 41 23 00-0019			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,254.75	1,373.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,356.20	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,638.90	1,602.06
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,625.99	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,082.92	1,830.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,910.32	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,447.42	2,059.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,175.26	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,911.65	2,288.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,465.71	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,276.57	2,517.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,729.38	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,745.29	2,746.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,021.35	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,103.23	2,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,284.77	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,570.72	3,204.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,575.21	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,937.92	3,432.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,840.16	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,557.11	3,776.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,130.86	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,061.07	4,119.57
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,394.27	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,954.39	1,716.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,916.44	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,549.94	1,945.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,239.27	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,018.31	2,174.22
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,529.71	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,606.44	2,403.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,851.01	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,082.14	2,631.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,142.99	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,670.54	2,860.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,464.03	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,134.18	3,089.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,754.48	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,733.16	3,318.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,077.31	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,279.09	3,604.62
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,367.75	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,021.50	3,947.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,689.05	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,645.72	4,291.22
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,981.03	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,382.70	4,634.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,302.07	
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,997.42	4,977.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,592.52	
11 41 23 00-0045			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,376.86	2,059.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,907.62	
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,153.21	2,288.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,276.10	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,075.05	2,517.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,679.00	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,850.79	2,746.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,047.73	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,760.55	2,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,449.10	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,547.30	3,204.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,819.36	
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,460.20	3,432.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,220.73	
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,391.51	3,776.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,589.46	
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,453.41	4,119.57
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,992.36	
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,403.35	4,462.87
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,360.83	
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,454.62	4,806.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,762.46	
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,395.79	5,092.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,132.46	
11 41 23 00-0058			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,034.66	2,403.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,708.07	
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,085.64	2,631.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,143.86	
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,069.80	2,860.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,563.85	
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,120.96	3,089.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,001.17	
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,108.56	3,318.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,421.16	
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,235.89	3,604.62
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,856.95	
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,379.16	3,947.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,278.47	
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,578.66	4,291.22
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,714.26	
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,711.40	4,634.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,134.25	
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,913.64	4,977.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,571.57	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,782.67	2,746.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,530.70	



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,886.23	2,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,980.52	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,100.36	3,204.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,457.62	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,201.96	3,432.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,906.17	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,571.87	3,776.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,384.55	
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,816.35	4,119.57
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,833.09	
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,200.81	4,462.87
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,310.20	
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,444.86	4,806.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,760.02	
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,814.43	5,149.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,237.12	
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,205.65	5,569.05
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,685.67	
11 41 23 00-0079			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,268.41	915.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,511.90	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,378.55	1,029.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,751.34	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,198.21	1,144.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,918.11	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,420.39	1,373.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,147.61	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,970.80	1,602.06
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,458.97	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,250.60	1,830.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,702.24	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,470.26	2,059.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,930.97	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,584.79	1,144.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,014.76	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,473.36	1,258.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,198.87	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,812.08	1,487.62
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,456.93	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,506.61	1,716.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,804.49	
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,865.52	1,945.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,068.16	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,226.79	2,174.22
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,331.83	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,584.40	2,403.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,595.50	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,941.78	2,631.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,857.90	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,305.78	2,860.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,122.84	
11 41 23 00-0096			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,823.91	1,373.19
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,498.49	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,277.42	1,602.06
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,785.62	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,752.04	1,830.92
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,077.60	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,185.90	2,059.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,359.88	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,680.73	2,288.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,657.98	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,115.01	2,517.51
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,938.99	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,614.33	2,746.38
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,238.61	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,041.63	2,975.25
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,519.37	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,539.72	3,204.11
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,817.46	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,976.28	3,432.98
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,099.75	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,626.07	3,776.28
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,398.10	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,199.39	4,062.36
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,678.85	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,662.27	1,716.49
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,093.41	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,288.42	1,945.36
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,423.89	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,826.15	2,174.22
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,731.67	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,444.88	2,403.08
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,060.62	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,989.94	2,631.95
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,369.94	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,608.94	2,860.81
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,698.63	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,141.94	3,089.68
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,006.42	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,771.52	3,318.54
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,336.90	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,386.81	3,604.62
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,644.68	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,159.82	3,947.92
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,973.63	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,853.40	4,291.22
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,282.95	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,620.98	4,634.51
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,611.64	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,305.06	4,977.81
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,919.43	
11 41 23 00-0122		Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,145.94	2,059.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,099.89	



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0124	EA		14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,991.65	2,288.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,485.71	
11 41 23 00-0125	EA		14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,944.09	2,517.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,896.26	
11 41 23 00-0126	EA		14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,789.19	2,746.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,282.33	
11 41 23 00-0127	EA		14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,729.55	2,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,691.35	
11 41 23 00-0128	EA		14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,585.66	3,204.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,078.95	
11 41 23 00-0129	EA		14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,529.16	3,432.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,487.97	
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,529.83	3,776.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,874.04	
11 41 23 00-0131	EA		14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,622.33	4,119.57
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,284.59	
11 41 23 00-0132	EA		14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,641.63	4,462.87
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,670.40	
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,723.50	4,806.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,079.68	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,734.03	5,149.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,467.02	
11 41 23 00-0135			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,942.46	2,403.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,935.02	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,024.04	2,631.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,378.46	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,077.56	2,860.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,815.79	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,159.32	3,089.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,260.76	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,216.28	3,318.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,698.09	
11 41 23 00-0141	EA		16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,374.21	3,604.62
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,141.53	
11 41 23 00-0142	EA		16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,586.84	3,947.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,580.39	
11 41 23 00-0143	EA		16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,816.94	4,291.22
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,023.83	
11 41 23 00-0144	EA		16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,019.04	4,634.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,461.16	
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,251.88	4,977.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,906.13	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,751.67	2,746.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,772.95	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,924.59	2,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,240.11	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,169.32	3,204.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,724.86	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,340.28	3,432.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,190.75	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,740.79	3,776.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,676.78	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,054.63	4,119.57
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,142.66	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,469.69	4,462.87
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,627.42	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,783.10	4,806.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,094.58	
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,183.27	5,149.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,579.33	
11 41 23 00-0155	EA		18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,643.85	5,569.05
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,045.22	
11 41 23 00-0156			Walk-In Refrigerated Unit Metal Price Add-Ons <small>(11 41 23 00-0001)</small>		
11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume	0.43	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 GA White Polyester vs. 24 Gauge Galvalume	0.80	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume	1.13	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 GA Stainless Steel vs. 24 Gauge Galvalume.....	7.96	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 GA Stainless Steel vs. 24 Gauge Galvalume.....	10.40	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 GA Embossed Tan Polyester vs. 24 Gauge Galvalume	1.28	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume	3.16	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume.....	4.08	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 GA Smooth Kynar Painted vs. 24 Gauge Galvalume	4.28	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-5.76	
11 41 23 00-0167	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	2.40	
11 41 23 00-0168	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	6.23	
11 41 23 00-0169	SF		Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	5.46	
11 41 23 00-0170	SF		Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	17.70	
11 41 23 00-0171			Air Cooled Condensing Units For Walk-In Coolers And Freezers <small>(11 41 23)</small>		
11 41 23 00-0172			Medium Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small>		
			Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173			208/230 Volt, 1 Phase <small>(11 41 23 00-0172)</small>		
			Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174	EA		1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,436.33	112.25
11 41 23 00-0175	EA		3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,577.74	130.97
11 41 23 00-0176	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,969.71	149.67
11 41 23 00-0177	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,205.65	168.38
11 41 23 00-0178	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,532.06	187.09
11 41 23 00-0179	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,975.00	224.51
11 41 23 00-0180	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,384.23	261.92
11 41 23 00-0181	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,782.82	299.34
11 41 23 00-0182			208/230 Volt, 3 Phase <small>(11 41 23 00-0172)</small>		
			Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,973.84	149.67
11 41 23 00-0184	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,205.65	168.38
11 41 23 00-0185	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,569.28	187.09
11 41 23 00-0186	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,930.68	224.51
11 41 23 00-0187	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,384.23	261.92
11 41 23 00-0188	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,731.41	299.34
11 41 23 00-0189			Medium Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small>		
			Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190			208/230 Volt, 1 Phase <small>(11 41 23 00-0189)</small>		
			Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191	EA		1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,607.70	112.25
11 41 23 00-0192	EA		3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,873.20	130.97
11 41 23 00-0193	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,313.03	149.67
11 41 23 00-0194	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,455.61	168.38
11 41 23 00-0195	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,711.11	187.09
11 41 23 00-0196	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,230.28	224.51
11 41 23 00-0197	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,643.64	261.92
11 41 23 00-0198	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,044.01	299.34
11 41 23 00-0199			208/230 Volt, 3 Phase <small>(11 41 23 00-0189)</small>		
			Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,291.17	149.67



Equipment	11	
Foodservice Equipment	11	40
Foodservice Storage Equipment	11	41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,464.47	168.38
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,757.20	187.09
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,186.55	224.51
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,657.23	261.92
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,989.64	299.34
11 41 23 00-0206 Low Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	224.52	112.25
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,869.65	130.97
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,011.07	149.67
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,218.65	168.38
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,503.10	187.09
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,137.50	224.51
11 41 23 00-0214 208/230 Volt, 3 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,015.21	149.67
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,218.65	168.38
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,541.51	187.09
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,094.96	224.51
11 41 23 00-0219 Low Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 208/230 Volt, 1 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,065.66	112.25
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,116.65	130.97
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,288.80	149.67
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,566.70	168.38
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,892.52	187.09
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,385.69	224.51
11 41 23 00-0227 208/230 Volt, 3 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,395.76	149.67
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,619.29	168.38
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,935.06	187.09
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,342.55	224.51
11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233 208/230 Volt, 1 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,148.76	149.67
11 41 23 00-0235 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,193.94	299.34
11 41 23 00-0236 208/230 Volt, 3 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,151.12	149.67
11 41 23 00-0238 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,352.25	187.09
11 41 23 00-0239 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,430.44	224.51
11 41 23 00-0240 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,097.62	299.34
11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242 208/230 Volt, 1 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,446.58	149.67

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0244 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,480.37	299.34
11 41 23 00-0245 208/230 Volt, 3 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,452.49	149.67
11 41 23 00-0247 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,079.25	187.09
11 41 23 00-0248 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,855.90	224.51
11 41 23 00-0249 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,671.40	299.34
11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251 208/230 Volt, 1 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,212.97	130.97
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,435.94	149.67
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,029.39	168.38
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,665.44	187.09
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,894.31	224.51
11 41 23 00-0257 208/230 Volt, 3 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,196.43	130.97
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,433.58	149.67
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,006.93	168.38
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,626.44	187.09
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,686.89	224.51
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,933.46	261.92
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,388.52	336.76
11 41 23 00-0265 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	12,059.33	392.89
11 41 23 00-0266 Low Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267 208/230 Volt, 1 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,533.84	130.97
11 41 23 00-0269 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,708.95	149.67
11 41 23 00-0270 EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,313.62	168.38
11 41 23 00-0271 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,953.81	187.09
11 41 23 00-0272 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,202.18	224.51
11 41 23 00-0273 208/230 Volt, 3 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,481.84	130.97
11 41 23 00-0275 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,711.31	149.67
11 41 23 00-0276 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,304.76	168.38
11 41 23 00-0277 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,910.08	187.09
11 41 23 00-0278 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,014.86	224.51
11 41 23 00-0279 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,746.56	261.92
11 41 23 00-0280 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,253.63	336.76
11 41 23 00-0281 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	12,992.99	392.89
11 41 23 00-0282 Walk-In Refrigerated Boxes Accessories <small>(11 41 23)</small> See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283 Accessories <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284 EA Super Door Package, For 36" Or 42" Door.....	557.21	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285 EA Super Door Package, For 48" Door.....	749.99	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286 EA Super Door Package, For 60" Door.....	749.99	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0287	EA		14" x 24" Observation Window, Heated.....	848.84	
11 41 23 00-0288	EA		Heated Air Vent, Kason.....	313.34	
11 41 23 00-0289	EA		Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	726.44	
11 41 23 00-0290	EA		Interior Ramps, For 36" Or 42" Wide Doors.....	1,045.28	
11 41 23 00-0291	EA		Interior Ramps, For 48" Wide Doors.....	1,142.18	
11 41 23 00-0292	EA		Interior Ramps, For 60" Wide Doors.....	1,254.38	
11 41 23 00-0293	EA		Exterior Ramps, For 36" Or 42" Wide Doors.....	427.16	
11 41 23 00-0294	EA		Exterior Ramps, For 48" Wide Doors.....	778.04	
11 41 23 00-0295	EA		Exterior Ramps, For 60" Wide Doors.....	778.04	
11 41 23 00-0296	EA		Field Installed Extra Vapor-Proof Lights.....	101.08	
11 41 23 00-0297	EA		Field Installed Fluorescent Lights, 48", 2 Tubes.....	397.22	
11 41 23 00-0298	EA		Vinyl Strip Curtain, For 36" Or 42" Wide Door.....	328.73	
11 41 23 00-0299	EA		Vinyl Strip Curtain, For 48" Wide Door.....	435.66	
11 41 23 00-0300	EA		Vinyl Strip Curtain, For 60" Wide Door.....	531.77	
11 41 23 00-0301	EA		Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,026.22	
11 41 23 00-0302	EA		Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,078.24	
11 41 23 00-0303	EA		Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	516.22	
11 41 23 00-0304	EA		Locking Devices, 36" Or 42" Wide Locking Bar.....	292.84	
11 41 23 00-0305	EA		Locking Devices, 48" Wide Locking Bar.....	333.64	
11 41 23 00-0306	EA		Locking Devices, 60" Wide Locking Bar.....	333.64	
11 41 23 00-0307	EA		Locking Devices, Mortise Dead Bolt (Cooler).....	590.68	
11 41 23 00-0308	EA		Locking Devices, Mortise Dead Bolt (Freezer).....	725.32	
11 41 23 00-0309	EA		Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,171.76	
11 41 23 00-0310	EA		Blast Freezer Kit, For 48" Wide Doors.....	1,237.04	
11 41 23 00-0311	EA		Blast Freezer Kit, For 60" Wide Doors.....	1,271.72	
11 41 23 00-0312	EA		Hardware Options, Polished For 36" Or 42" Door.....	56.10	
11 41 23 00-0313	EA		Hardware Options, Polished For 48" Or 60" Door.....	45.90	
11 41 23 00-0314	EA		Hardware Options, Chrome For 36" Or 42" Door.....	141.78	
11 41 23 00-0315	EA		Hardware Options, Chrome For 48" Or 60" Door.....	76.50	
11 41 23 00-0316	EA		Hardware Options, Positive Latch, 36" Or 42" Door.....	182.28	
11 41 23 00-0317	EA		Hardware Options, Strap Hinges, 36" Or 42" Door.....	133.32	
11 41 23 00-0318	EA		4" Screed Door.....	356.18	
11 41 23 00-0319	EA		Doors Cut For Tile.....	429.62	
11 41 23 00-0320	EA		84" High Doors (36" Wide).....	429.62	
11 41 23 00-0321	EA		Doors Raised Or Lowered In Panel.....	969.20	
11 41 23 00-0322	EA		57-1/2" Door Section.....	277.64	
11 41 23 00-0323	EA		3 Way (Interior And Exterior) Light Switches.....	236.74	
11 41 23 00-0324	EA		3 Way (1 Side Only) Light Switch.....	120.28	
11 41 23 00-0325	EA		Structural Support, 5" Reinforcing Ceilings (Every 23").....	216.64	
11 41 23 00-0326	EA		Structural Support, 6" Reinforcing Ceilings (Every 23").....	273.76	
11 41 23 00-0327	LF		Structural Support, Self-Supporting Standard Angle.....	29.18	
11 41 23 00-0328	LF		Structural Support, Self-Supporting 6" Channel.....	37.60	
11 41 23 00-0329	LF		Structural Support, Self-Supporting 8" Channel.....	54.17	
11 41 23 00-0330	LF		Structural Support, Self-Supporting 10" Channel.....	86.04	
11 41 23 00-0331	LF		Structural Support, Suspended Ceiling Support.....	15.95	
11 41 23 00-0332	LF		Factory Prepared Opening, Foam Cut Opening.....	5.36	
11 41 23 00-0333	LF		Factory Prepared Opening, Metal Capped Opening.....	17.85	
11 41 23 00-0334	LF		Factory Prepared Opening, Wood Framed Opening.....	19.01	
11 41 23 00-0335	LF		Factory Prepared Opening, Metal Capped Wood Framed Opening.....	27.54	
11 41 23 00-0336	LF		Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	22.95	
11 41 23 00-0337	SF		Outdoor Weather Roofs, Aluminum Roof Caps.....	10.31	
11 41 23 00-0338	SF		Outdoor Weather Roofs, Membrane Roof Caps.....	5.61	
11 41 23 00-0339	SF		Outdoor Weather Roofs, Painted Aluminum Roofs.....	12.81	
11 41 23 00-0340	SF		1/8" Aluminum Tread Plate.....	29.34	
11 41 23 00-0341	SF		3/16" Aluminum Tread Plate.....	34.76	
11 41 23 00-0342	EA		Digitemp Display Thermometer (Indoor Exterior Wall).....	231.46	
11 41 23 00-0343	EA		4-1/2" Dial Type Thermometer With 5" Cap Tube.....	208.00	
11 41 23 00-0344	EA		6" Dial Type Thermometer With 5" Cap Tube.....	668.02	
11 41 23 00-0345	EA		2" Dial Type Thermometer (Standard).....	73.36	
11 41 23 00-0346	LF		Extra Capillary Tubing.....	9.01	

11 41 23 00-0347

Partition Wall For Walk-In Refrigerated Boxes (11 41 23 00-0282)

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0348	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High.....	2,397.80	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	116.08	
11 41 23 00-0349	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	2,611.74	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	126.58	
11 41 23 00-0350	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High.....	2,686.96	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	130.15	
11 41 23 00-0351	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	2,904.98	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	140.86	
11 41 23 00-0352	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High.....	2,845.55	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	137.70	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0353	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,058.46	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	148.16	
11 41 23 00-0354	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High.....	3,123.47	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	151.22	
11 41 23 00-0355	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,426.15	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	166.16	
11 41 23 00-0356	EA		13'-6" Length Partition Wall, 7'-2"/7'-6" High.....	3,293.28	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	159.32	
11 41 23 00-0357	EA		14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,507.22	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	169.83	
11 41 23 00-0358	EA		15'-5" Length Partition Wall, 7'-2"/7'-6" High.....	3,587.54	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	173.66	
11 41 23 00-0359	EA		16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,802.49	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	184.21	
11 41 23 00-0360	EA		17'-4" Length Partition Wall, 7'-2"/7'-6" High.....	4,379.66	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	212.88	
11 41 23 00-0361	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High.....	2,616.08	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	126.99	
11 41 23 00-0362	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	2,797.38	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	135.86	
11 41 23 00-0363	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High.....	2,885.86	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	140.10	
11 41 23 00-0364	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,127.34	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	151.98	
11 41 23 00-0365	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High.....	3,055.67	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	148.21	
11 41 23 00-0366	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,296.12	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	160.04	
11 41 23 00-0367	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High.....	3,385.61	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	164.32	
11 41 23 00-0368	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,626.07	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	176.15	
11 41 23 00-0369	EA		13'-6" Length Partition Wall, 7'-2"/7'-6" High.....	3,554.40	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	172.38	
11 41 23 00-0370	EA		14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,794.86	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	184.21	
11 41 23 00-0371	EA		15'-5" Length Partition Wall, 7'-2"/7'-6" High.....	3,884.36	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	188.50	
11 41 23 00-0372	EA		16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	4,124.81	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	200.33	
11 41 23 00-0373	EA		17'-4" Length Partition Wall, 7'-2"/7'-6" High.....	4,053.14	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	196.55	
11 41 23 00-0374			Glass Doors For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
			Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0375	EA		23" x 67" Glass Door, Displayrite, Coolrite Model.....	1,012.86	
11 41 23 00-0376	EA		23" x 73" Glass Door, Displayrite, Coolrite Model.....	1,106.70	
11 41 23 00-0377	EA		30" x 67" Glass Door, Displayrite, Coolrite Model.....	1,115.88	
11 41 23 00-0378	EA		30" x 73" Glass Door, Displayrite, Coolrite Model.....	1,234.20	
11 41 23 00-0379	EA		23" x 67" Glass Door, Displayrite, Freezerite Model.....	1,354.56	
11 41 23 00-0380	EA		23" x 73" Glass Door, Displayrite, Freezerite Model.....	1,440.24	
11 41 23 00-0381	EA		30" x 67" Glass Door, Displayrite, Freezerite Model.....	1,445.34	
11 41 23 00-0382	EA		30" x 73" Glass Door, Displayrite, Freezerite Model.....	1,681.98	
11 41 23 00-0383	EA		24" x 67" Glass Door, Anthony Model 101.....	1,377.00	
11 41 23 00-0384	EA		26" x 67" Glass Door, Anthony Model 101.....	1,705.44	
11 41 23 00-0385	EA		30" x 67" Glass Door, Anthony Model 101.....	1,820.70	
11 41 23 00-0386	EA		30x75 Glass Door, Anthony Model 101.....	1,859.46	
11 41 23 00-0387	EA		24" x 67" Glass Door, Anthony Model 101.....	2,097.12	
11 41 23 00-0388	EA		26" x 67" Glass Door, Anthony Model 101.....	2,327.64	
11 41 23 00-0389	EA		30" x 67" Glass Door, Anthony Model 101.....	2,370.48	
11 41 23 00-0390	EA		30" x 75" Glass Door, Anthony Model 101.....	2,528.58	
11 41 23 00-0391	EA		23" x 67" Glass Door, Anthony Model 401.....	1,087.32	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0392	EA		26-3/4" x 67" Glass Door, Anthony Model 401.....	1,145.46	
11 41 23 00-0393	EA		30-1/4" x 67" Glass Door, Anthony Model 401.....	1,540.20	
11 41 23 00-0394	EA		30-1/4" x 75" Glass Door, Anthony Model 401.....	1,320.90	
11 41 23 00-0395	EA		23" x 67" Glass Door, Anthony Model 401.....	1,466.76	
11 41 23 00-0396	EA		26-3/4" x 67" Glass Door, Anthony Model 401.....	1,535.10	
11 41 23 00-0397	EA		30-1/4" x 67" Glass Door, Anthony Model 401.....	1,540.20	
11 41 23 00-0398	EA		30-1/4" x 75" Glass Door, Anthony Model 401.....	1,833.96	
11 41 23 00-0399			Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)		
11 41 23 00-0400	EA		14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	371.38	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0401	EA		14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	391.51	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0402	EA		14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	436.12	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0403	EA		14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	460.34	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0404	EA		14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	500.60	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0405	EA		18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	428.23	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0406	EA		18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	439.18	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0407	EA		18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	484.82	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0408	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	506.99	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0409	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	578.88	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0410	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	466.72	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0411	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	472.58	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0412	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	538.61	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0413	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	542.42	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0414	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	624.52	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0415	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	318.34	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0416	EA		14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	334.39	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0417	EA		14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	366.76	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0418	EA		14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	374.66	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0419	EA		14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	427.16	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0420	EA		18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	350.71	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0421	EA		18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	375.94	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0422	EA		18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	398.12	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0423	EA		18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	403.97	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0424	EA		18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	475.86	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0425	EA		21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	385.12	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0426	EA		21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	400.16	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0427	EA		21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	429.47	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0428	EA		21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	445.52	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0429	EA		21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	519.46	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0430	EA		14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,670.72	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0431	EA		14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,864.74	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0432	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,901.34	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0433	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,937.96	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0434	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,345.67	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0435	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,753.24	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0436	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,861.99	
			<i>For Cantilever Shelving, Add</i>	402.00	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0437	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,062.58	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0438	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,145.09	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0439	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,624.97	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0440	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,894.78	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0441	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,069.14	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0442	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,269.71	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0443	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,352.23	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0444	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,989.53	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0445	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	437.90	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0446	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	472.31	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0447	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	511.82	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0448	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	548.28	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0449	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	594.68	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0450	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	518.21	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0451	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	531.20	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0452	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	586.02	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0453	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	614.32	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0454	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	701.51	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0455	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	564.86	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0456	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	582.96	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0457	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	644.92	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0458	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	658.94	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0459	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	756.32	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0460	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	373.64	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0461	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	392.75	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0462	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	432.26	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0463	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	441.18	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0464	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	504.92	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0465	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	422.33	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0466	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	451.64	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0467	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	514.62	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0468	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	510.28	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0469	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	570.95	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0470	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	463.88	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0471	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	481.98	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0472	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	518.44	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0473	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	536.54	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0474	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	627.80	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0475	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	2,039.62	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0476	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	2,281.19	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0477	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	2,326.00	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0478	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	2,370.81	
			<i>For Cantilever Shelving, Add</i>	472.00	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0479	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,878.57 472.00	
11 41 23 00-0480	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,141.82 472.00	
11 41 23 00-0481	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,276.80 472.00	
11 41 23 00-0482	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,526.58 472.00	
11 41 23 00-0483	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,628.79 472.00	
11 41 23 00-0484	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,226.72 472.00	
11 41 23 00-0485	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,317.80 472.00	
11 41 23 00-0486	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,534.78 472.00	
11 41 23 00-0487	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,784.56 472.00	
11 41 23 00-0488	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,886.77 472.00	
11 41 23 00-0489	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,681.46 472.00	
11 41 31 Non-Refrigerated Storage Equipment (11 41)					
11 41 31 00-0001 Wall Cabinets (11 41 31)					
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	1,708.67	59.05
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,254.55	77.96
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors..... Note: 15" deep and 24" high.	2,587.77	89.37
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	1,656.18	57.01
11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)					
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck.....	159.71	5.10
11 41 31 00-0008 Pot And Utensil Rack (11 41 31)					
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack.....	465.89	15.56
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack.....	539.95	17.59
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	641.94	21.07
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	349.10	11.51
11 41 31 00-0013 Tray And Silverware Cart (11 41 31)					
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	1,611.44	52.52
11 41 31 00-0015 Flat Top Utility Units (11 41 31)					
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,098.69	35.90
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,472.32	47.98
11 41 33 Foodservice Shelving (11 41)					
11 41 33 00-0001 Shelving/Racks (11 41 33)					
11 41 33 00-0002 Stainless Steel Shelving, Louvered, 4-Tier (11 41 33 00-0001)					
11 41 33 00-0003	EA		20" X 3' Stainless Steel Shelving, Louvered 4-Tier.....	573.01	41.55
11 41 33 00-0004	EA		20" X 4' Stainless Steel Shelving, Louvered 4-Tier.....	657.48	41.55
11 41 33 00-0005	EA		20" X 6' Stainless Steel Shelving, Louvered 4-Tier.....	815.15	41.55
11 41 33 00-0006	EA		24" X 3' Stainless Steel Shelving, Louvered 4-Tier.....	696.90	41.55
11 41 33 00-0007	EA		24" X 4' Stainless Steel Shelving, Louvered 4-Tier.....	758.84	41.55
11 41 33 00-0008	EA		24" X 6' Stainless Steel Shelving, Louvered 4-Tier.....	997.60	41.55
11 41 33 00-0009 Stainless Steel Shelving, Flat, 4-Tier (11 41 33 00-0001)					
11 41 33 00-0010	EA		20" X 3' Stainless Steel Shelving, Flat 4-Tier.....	567.38	41.55
11 41 33 00-0011	EA		20" X 4' Stainless Steel Shelving, Flat 4-Tier.....	640.58	41.55
11 41 33 00-0012	EA		20" X 5' Stainless Steel Shelving, Flat 4-Tier.....	741.94	41.55
11 41 33 00-0013	EA		24" X 3' Stainless Steel Shelving, Flat 4-Tier.....	640.58	41.55
11 41 33 00-0014	EA		24" X 4' Stainless Steel Shelving, Flat 4-Tier.....	747.58	41.55
11 41 33 00-0015	EA		24" X 6' Stainless Steel Shelving, Flat 4-Tier.....	826.41	41.55
11 41 33 00-0016 Galvanized Steel Shelving, Louvered, 4-Tier (11 41 33 00-0001)					
11 41 33 00-0017	EA		20" X 3' Galvanized Shelving, Louvered 4-Tier.....	510.27	41.55

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0018	EA		20" X 4' Galvanized Shelving, Louvered 4-Tier.....	603.93	41.55
11 41 33 00-0019	EA		20" X 6' Galvanized Shelving, Louvered 4-Tier.....	825.51	41.55
11 41 33 00-0020	EA		24" X 3' Galvanized Shelving, Louvered 4-Tier.....	581.08	41.55
11 41 33 00-0021	EA		24" X 4' Galvanized Shelving, Louvered 4-Tier.....	654.18	41.55
11 41 33 00-0022	EA		24" X 6' Galvanized Shelving, Louvered 4-Tier.....	791.24	41.55
11 41 33 00-0023			Galvanized Steel Shelving, Flat, 4-Tier <small>(11 41 33 00-0001)</small>		
11 41 33 00-0024	EA		20" X 3' Galvanized Shelving, Flat 4-Tier.....	510.27	41.55
11 41 33 00-0025	EA		20" X 4' Galvanized Shelving, Flat 4-Tier.....	539.97	41.55
11 41 33 00-0026	EA		20" X 6' Galvanized Shelving, Flat 4-Tier.....	711.29	41.55
11 41 33 00-0027	EA		24" X 3' Galvanized Shelving, Flat 4-Tier.....	539.97	41.55
11 41 33 00-0028	EA		24" X 4' Galvanized Shelving, Flat 4-Tier.....	631.34	41.55
11 41 33 00-0029	EA		24" X 6' Galvanized Shelving, Flat 4-Tier.....	745.56	41.55
11 41 33 00-0030			Stainless Steel Dunnage Rack <small>(11 41 33 00-0001)</small>		
11 41 33 00-0031	EA		24" X 3' Stainless Steel Dunnage Rack.....	404.35	33.24
11 41 33 00-0032	EA		24" X 4' Stainless Steel Dunnage Rack.....	438.14	33.24
11 41 33 00-0033			Galvanized Steel Dunnage Rack <small>(11 41 33 00-0001)</small>		
11 41 33 00-0034	EA		24" X 3' Galvanized Dunnage Rack.....	443.39	33.24
11 41 33 00-0035	EA		24" X 4' Galvanized Dunnage Rack.....	466.24	33.24
11 41 33 00-0036			Mobile Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0037	EA		Mobile Rack With Pan Slide.....	1,376.96	33.24
11 41 33 00-0038			Can Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0039	EA		Can Rack.....	2,001.53	33.24
11 42 Food Preparation Equipment <small>(11 40)</small>					
11 42 13 Food Preparation Appliances <small>(11 42)</small>					
11 42 13 00-0001			Vertical Cutter Mixers <small>(11 42 13)</small>		
11 42 13 00-0002	EA		Bench Type Mixers, 25 Quart.....	8,115.66	180.52
11 42 13 00-0003	EA		Bench Type Mixers, 40 Quart.....	9,321.32	180.52
11 42 13 00-0004	EA		Bench Type Mixers, 80 Quart.....	11,683.67	310.49
11 42 13 00-0005	EA		Bench Type Mixers, 130 Quart.....	13,225.21	505.46
11 42 13 00-0006			Choppers <small>(11 42 13)</small>		
11 42 13 00-0007	EA		Choppers, 5 LB.....	2,037.38	144.42
11 42 13 00-0008	EA		Choppers, 16 LB.....	2,988.31	187.74
11 42 13 00-0009	EA		Choppers, 35 LB - 40 LB.....	5,767.91	231.07
11 42 13 00-0010	EA		Choppers, 35 LB - 40 LB/Min, 2 HP.....	4,785.35	205.28
11 42 13 00-0011	EA		Choppers, 35 LB - 40 LB/Min, 3 HP.....	5,426.55	205.28
11 42 13 00-0012			Floor Model Mixer <small>(11 42 13)</small>		
11 42 13 00-0013	EA		Floor Type Mixers, 20 Quart.....	3,869.04	108.32
11 42 13 00-0014	EA		Floor Type Mixers, 60 Quart.....	9,524.36	72.20
11 42 13 00-0015	EA		Floor Type Mixers, 80 Quart.....	15,036.71	72.20
11 42 13 00-0016	EA		Floor Type Mixers, 140 Quart.....	19,056.80	115.53
11 42 13 00-0017			Slicers <small>(11 42 13)</small>		
11 42 13 00-0018	EA		Slicer With Table.....	3,229.47	104.27
11 42 13 00-0019			Peelers <small>(11 42 13)</small>		
11 42 13 00-0020	EA		Small Peeler.....	2,215.57	117.34
11 42 13 00-0021	EA		Large Peeler.....	2,346.86	156.48
11 42 13 00-0022			Proof Boxes <small>(11 42 13)</small>		
11 42 13 00-0023	EA		30-1/2" x 22-1/2", Stainless Steel Proof Box.....	1,131.97	52.52
11 42 13 00-0024	EA		30-1/2" x 45", Stainless Steel Proof Box.....	1,894.30	88.01
11 42 13 00-0025	EA		30-1/2" x 45", Galvanized Proof Box.....	1,680.19	39.95
11 42 13 00-0026			Non-Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0027	EA		Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,537.11	50.33
11 42 13 00-0028	EA		Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,648.92	53.81
11 42 13 00-0029	EA		Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,526.68	49.92



Equipment	11	
Foodservice Equipment	11 40	11
Food Preparation Equipment	11 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0030	EA		Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	1,618.07	52.92
11 42 13 00-0031			Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0032	EA		3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	2,500.60	86.49
11 42 13 00-0033	EA		3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	2,613.17	90.43
11 42 13 00-0034			Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small>		
11 42 13 00-0035	EA		Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	3,719.15	151.64
11 42 13 00-0036	EA		Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	3,951.59	151.64
11 42 13 00-0037	EA		Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	5,026.95	158.85
11 42 13 00-0038	EA		Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	5,501.77	158.85
11 42 16			Food Preparation Surfaces <small>(11 42)</small>		
11 42 16 00-0001			Tables <small>(11 42 16)</small>		
11 42 16 00-0002			Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003	EA		4' Open Base Baker's Table	747.75	38.57
11 42 16 00-0004	EA		10' Open Base Baker's Table	1,467.58	75.61
11 42 16 00-0005	EA		10' Undershelf Baker's Table.....	1,810.76	93.30
11 42 16 00-0006	EA		10' Three Drawers Baker's Table.....	1,942.08	100.18
11 42 16 00-0007	EA		10' Bins Baker's Table.....	2,857.32	147.44
11 42 16 00-0008	EA		10' Bins And Drawers Baker's Table.....	4,486.83	231.44
11 42 16 00-0009			Preparation Table, Stainless Steel, With Undershelf <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010	EA		30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	415.81	20.33
11 42 16 00-0011	EA		30" x 72' Marine Edge Stainless Steel Preparation Table With Undershelf	450.03	24.42
11 42 16 00-0012	EA		36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	677.34	33.19
11 42 16 00-0013			Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014	EA		30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	437.83	21.40
11 42 16 00-0015	EA		36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	562.75	27.52
11 42 16 00-0016	EA		36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	483.39	23.67
11 42 16 00-0017	EA		36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front.....	581.85	28.51
11 42 16 00-0018	EA		Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	117.54	5.75
11 42 16 00-0019			Mobile Tables <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,600.84	18.22
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	869.24	21.85
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	501.05	24.57
11 42 16 00-0023			Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	894.87	43.85
11 42 16 00-0025	EA		32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	725.82	35.54
11 42 16 00-0026	EA		Full Size Pan With Cover Stainless Steel Hot Food Tables.....	60.24	2.95
11 42 16 00-0027	EA		Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	88.13	4.31
11 42 16 00-0028	EA		58-1/2", 4 Openings Stainless Steel Hot Food Tables	1,767.24	82.25
11 42 16 00-0029	EA		114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	3,516.12	164.11
11 42 16 00-0030			Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031	LF		Table, Basic.....	251.46	18.48
11 42 16 00-0032			Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033	LF		Table With Sink.....	308.30	31.21
11 42 23			Food Preparation Scullery Sinks <small>(11 42)</small>		
11 42 23 00-0001			Stainless Steel Scullery Sinks <small>(11 42 23)</small>		
			Note: Excludes faucet. See CSI section 22 42 39 00-0074 for service sink faucets.		
11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	1,931.55	130.97
			<i>For Additional Drain Board, Add</i>	180.06	
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	2,653.91	149.67
			<i>For Additional Drain Board, Add</i>	251.36	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	3,471.85	149.67
			<i>For Additional Drain Board, Add</i>	332.22	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	4,907.57	149.67
			<i>For Additional Drain Board, Add</i>	475.79	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	3,168.59	149.67
11 42 23 00-0007	EA		Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR).....	4,121.97	149.67
			<i>For Additional Drain Board, Add</i>	398.17	

11	Equipment
11 40	Foodservice Equipment
11 42	Food Preparation Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 44 Food Cooking Equipment ^(11 40)

11 44 13 Commercial Ranges ^(11 44)

11 44 13 00-0001 Range ^(11 44 13)

11 44 13 00-0002	EA	Heavy Duty Range, With 34" Open Top Oven.....	1,922.22	72.20
11 44 13 00-0003	EA	Range With Fry Top.....	1,922.22	72.20
11 44 13 00-0004	EA	Steel Finish Fry Top.....	4,099.09	98.78
11 44 13 00-0005	EA	Stainless Top Only Fry Top.....	4,097.27	97.65
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top.....	4,734.51	113.70
11 44 13 00-0007	EA	Gas Range, Vulcan #260L.....	4,272.45	101.31

Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.

11 44 16 Commercial Ovens ^(11 44)

11 44 16 00-0001 Bake Oven ^(11 44 16)

11 44 16 00-0002	EA	Bake Oven - Single Deck.....	3,993.35	108.32
11 44 16 00-0003	EA	Bake Oven - Double Deck.....	8,139.03	144.42
11 44 16 00-0004	EA	Bake Oven - Triple Deck.....	11,838.82	144.42
11 44 16 00-0005	EA	Rotary Oven, Gas, Medium.....	29,598.43	4,693.52

11 44 16 00-0006 Combination Ovens ^(11 44 16)

Note: Convection, steam and combination modes.

11 44 16 00-0007	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	11,826.97	126.37
11 44 16 00-0008	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	19,366.58	144.42
11 44 16 00-0009	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	16,013.34	144.42
11 44 16 00-0010	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	38,550.39	180.52
11 44 16 00-0011	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	29,291.82	180.52

11 44 16 00-0012 Electric Convection Type Oven ^(11 44 16)

11 44 16 00-0013	EA	40" x 45" x 57" Convection Oven.....	6,250.00	122.75
11 44 16 00-0014	EA	30" x 25" x 29" Half Size Electric Convection Oven.....	3,496.05	126.37
11 44 16 00-0015	EA	30" x 25" x 66-3/4" Half Size Electric Convection Oven.....	7,105.83	135.39
11 44 16 00-0016	EA	40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven.....	4,915.96	135.39
11 44 16 00-0017	EA	40" x 41-1/2" x 70" Single Deck Electric Convection Oven.....	9,276.44	144.42

11 44 16 00-0018 Broiler, Without Oven ^(11 44 16)

11 44 16 00-0019	EA	69" x 26" x 39" Broiler Without Oven.....	5,340.12	115.53
11 44 16 00-0020	EA	Conveyor Broiler.....	4,746.36	134.09

11 44 19 Other Commercial Cooking Equipment ^(11 44)

11 44 19 00-0001 Electric Griddle ^(11 44 19)

11 44 19 00-0002	EA	24" Wide x 24" Deep Electric Griddle.....	2,120.93	99.29
11 44 19 00-0003	EA	36" Wide x 24" Deep Electric Griddle.....	2,991.90	99.29
11 44 19 00-0004	EA	48" Wide x 24" Deep Electric Griddle.....	3,421.24	108.32
11 44 19 00-0005	EA	60" Wide x 24" Deep Electric Griddle.....	4,081.38	108.32
11 44 19 00-0006	EA	72" Wide x 24" Deep Electric Griddle.....	5,218.57	117.34

11 44 19 00-0007 Fryer, With Submerger ^(11 44 19)

11 44 19 00-0008	EA	Single Fryer With Submerger.....	2,923.89	115.53
11 44 19 00-0009	EA	Double Fryer With Submerger.....	5,921.99	144.42
11 44 19 00-0010	EA	Fryer Battery With Filter Unit (Single 42 LB Capacity).....	8,962.18	187.74
11 44 19 00-0011	EA	Fryer Battery With Filter Unit (Triple 42 LB Capacity).....	21,189.71	234.67
11 44 19 00-0012	EA	50 LB Capacity, 208 Volt, Electric Fryer.....	3,340.70	144.42
11 44 19 00-0013	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	4,881.40	151.64
11 44 19 00-0014	EA	50 LB Capacity, 480 Volt, Electric Fryer.....	3,502.45	144.42
11 44 19 00-0015	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	5,043.15	151.64
11 44 19 00-0016	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	11,029.69	187.74
11 44 19 00-0017	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	11,295.13	187.74

11 44 19 00-0018 Kettles, Steam Jacketed ^(11 44 19)

11 44 19 00-0019	EA	5 Gallon Kettle, With Stand.....	3,005.36	81.04
11 44 19 00-0020	EA	20 Gallon Kettle With Steam Jacket.....	3,980.83	81.04
11 44 19 00-0021	EA	40 Gallon Kettle With Steam Jacket.....	7,066.95	81.04
11 44 19 00-0022	EA	60 Gallon Kettle With Steam Jacket.....	11,039.40	81.04

11 44 19 00-0023 Steamers, Electric ^(11 44 19)

11 44 19 00-0024 Cooking Equipment/ Steamers ^(11 44 19 00-0023)



Equipment	11	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0025 EA 3 Pan, Electric Countertop Convection Steamer.....	4,559.98	151.64
11 44 19 00-0026 EA 5 Pan, Electric Countertop Convection Steamer.....	5,983.19	158.85
11 44 19 00-0027 EA 3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	4,225.41	151.64
11 44 19 00-0028 EA 5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	6,127.65	158.85
11 44 19 00-0029 Braising Pans (11 44 19)		
11 44 19 00-0030 EA 24" x 24", 240 Volt, Tilting Braising Pan.....	6,330.70	141.26
11 44 19 00-0031 EA 24" x 31", 240 Volt, Tilting Braising Pan.....	6,680.58	148.55
11 44 19 00-0032 EA 24" x 41", 240 Volt, Tilting Braising Pan.....	7,115.33	158.19
11 44 19 00-0033 EA 24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	8,252.84	184.20
11 44 19 00-0034 EA 24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	8,533.93	189.88
11 44 19 00-0035 EA 24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	8,865.66	194.91
11 44 19 00-0036 Toasters (11 44 19)		
11 44 19 00-0037 EA Bun Toaster 3.2 KW	1,253.47	29.49
11 44 19 00-0038 EA Bun Toaster 4.3 KW	1,367.99	32.13
11 44 19 00-0039 EA Pop-Up Toaster, 2 Slot.....	420.18	78.20
11 44 19 00-0040 EA Conveyor Toaster	722.82	117.34
11 44 19 00-0041 Microwave Ovens (11 44 19)		
11 44 19 00-0042 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer	666.25	
11 44 19 00-0043 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display	924.96	
11 44 19 00-0044 Ceramic Broiler On Storage Base With Doors (11 44 19)		
11 44 19 00-0045 EA Standard Finish Ceramic Boiler On Storage Base With Doors.....	5,216.09	115.81
11 44 19 00-0046 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors	5,216.09	115.81
11 44 19 00-0047 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	6,483.04	144.58
11 44 19 00-0048 Gas Countertop Hot Plate (11 44 19)		
11 44 19 00-0049 EA 2 Burners Gas Countertop Hot Plate	665.00	14.75
11 46 Food Dispensing Equipment (11 46)		
11 46 13 Bar Equipment (11 46)		
11 46 13 00-0001 Soft Serve Machines (11 46 13)		
11 46 13 00-0002 EA Soft Serve Machines, Medium.....	9,126.17	85.35
11 46 13 00-0003 EA Soft Serve Machines, Large.....	15,395.44	104.27
11 46 13 00-0004 Salad Bars (11 46 13)		
11 46 13 00-0005 EA 96" Refrigerated Salad Bar With Light 54" Height.....	6,862.58	314.03
11 46 13 00-0006 EA 96" Refrigerated Salad Bar Without Light 54" Height.....	6,304.03	314.03
11 46 13 00-0007 EA 96" Iced Salad Bar Without Light 54" Height.....	4,415.52	172.53
11 46 13 00-0008 EA 79" Iced Salad Bar Without Light 54" Height.....	3,493.95	141.74
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height.....	5,305.01	207.95
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height	5,827.51	184.20
11 46 13 00-0011 EA Salad Bar Tray Fixed	1,147.71	31.20
11 46 13 00-0012 EA Salad Bar Tray Hinged	1,221.34	31.20
11 46 16 Service Line Equipment (11 46)		
11 46 16 00-0001 Food Warmer Holding Station (11 46 16)		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp.....	463.13	10.89
11 46 16 00-0003 Roll And Food Warmers (11 46 16)		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer.....	996.62	23.44
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer	2,280.72	53.69
11 46 16 00-0006 Hot Cabinets With Top Wells Electric (11 46 16)		
11 46 16 00-0007 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric.....	5,333.68	115.81
11 46 16 00-0008 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric.....	7,620.46	165.97
11 46 16 00-0009 Portable Hot Food Units (11 46 16)		
11 46 16 00-0010 EA 44-1/2", 3 Opening Portable Hot Food Unit	1,176.52	25.61
11 46 16 00-0011 EA 72-1/2", 5 Opening Portable Hot Food Unit	1,713.00	37.28
11 46 16 00-0012 Stationary Hot Food Units (11 46 16)		

11	Equipment
11 40	Foodservice Equipment
11 46	Food Dispensing Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0013 EA 44-1/2", 3 Opening Stationary Hot Food Unit.....	1,058.54	23.58
11 46 16 00-0014 EA 72-1/2", 5 Opening Stationary Hot Food Unit.....	1,561.93	34.77
11 46 16 00-0015 Serving Counters <small>(11 46 16)</small>		
11 46 16 00-0016 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	92.25	29.46
11 46 16 00-0017 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	116.73	45.13
11 46 16 00-0018 Drop-In Equipment <small>(11 46 16)</small>		
11 46 16 00-0019 EA Hot Food Well, Rectangular	397.42	93.87
11 46 16 00-0020 EA Hot Food Well, Circular	364.65	93.87
11 46 16 00-0021 EA Refrigerated Well, 2 Compartment	976.10	93.87
11 46 16 00-0022 EA Refrigerated Well, 3 Compartment	1,107.33	104.27
11 46 16 00-0023 EA Refrigerated Well, 4 Compartment	1,257.29	117.34
11 46 16 00-0024 EA Frost Cold Plate	1,535.46	104.27
11 46 16 00-0025 Beverage Dispensing <small>(11 46 16)</small>		
11 46 16 00-0026 EA Coffee Urn, Twin 3 Gallon.....	2,493.59	145.19
11 46 16 00-0027 EA Coffee Urn, Twin 6 Gallon.....	3,551.63	203.24
11 46 16 00-0028 EA Coffee Brewer, 5 Burner	1,027.49	145.19
11 46 16 00-0029 EA Hot Chocolate Dispenser	1,000.82	119.59
11 46 16 00-0030 EA Iced Tea Brewer.....	1,467.68	119.59
11 46 16 00-0031 EA Juice Dispenser (Concentrate).....	1,072.07	208.39
11 46 16 00-0032 EA Jet Spray Dispenser.....	1,522.92	208.61
11 46 16 00-0033 EA Milk Dispenser, Bulk, 2 Flavor.....	1,279.78	117.34
11 46 16 00-0034 EA Milk Dispenser, Bulk, 3 Flavor.....	1,746.64	117.34
11 46 16 00-0035 Dish Dispensers <small>(11 46 16)</small>		
11 46 16 00-0036 EA Dish Dispenser, 12", Drop-in.....	515.99	23.73
11 46 16 00-0037 EA Dish Dispenser, Mobile	1,608.32	27.73
11 46 16 00-0038 EA Cup And Glass Dispenser, Drop-in	881.48	73.79
11 46 16 00-0039 EA Disposable Cup Dispenser, Drop-in.....	319.91	16.62
11 46 16 00-0040 Tray And Silver Dispensers <small>(11 46 16)</small>		
11 46 16 00-0041 EA Tray And Silver Dispensers Mobile	2,008.79	16.62
11 46 16 00-0042 Condiment Dispensers <small>(11 46 16)</small>		
11 46 16 00-0043 EA Butter Pat Dispenser	118.54	20.81
11 46 16 00-0044 EA Bread Dispenser, Counter Top	333.13	20.81
11 46 16 00-0045 Sandwich Rack Warmer <small>(11 46 16)</small>		
11 46 16 00-0046 EA 18 Compartment, 2 Tier Sandwich Rack Warmer.....	2,515.03	86.87
11 46 16 00-0047 Mobile Bread Counter <small>(11 46 16)</small>		
11 46 16 00-0048 EA Mobile Bread And Roll Counter.....	5,772.99	195.30
11 46 16 00-0049 Open Service Stand <small>(11 46 16)</small>		
11 46 16 00-0050 EA 6' Open Service Stand.....	2,230.14	72.53
11 46 16 00-0051 LF Each Additional Ft Over 6 Ft Add.....	305.10	9.80
11 46 16 00-0052 Mobile Serving Stand Unit <small>(11 46 16)</small>		
11 46 16 00-0053 EA 36" Mobile Serving Stand Unit	1,947.82	69.37
11 46 16 00-0054 EA 96" Mobile Serving Stand Unit	3,201.56	103.98
11 46 16 00-0055 Reach-In Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0056 EA Heated Cabinet, Reach-in, 1 Compartment	3,926.42	120.37
11 46 16 00-0057 EA Heated Cabinet, Reach-in, 2 Compartment	5,659.40	151.42
11 46 16 00-0058 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In.....	4,110.70	120.37
11 46 16 00-0059 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment.....	5,927.23	151.42
11 46 16 00-0060 Mobile Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0061 EA Heated Cabinet, Mobile	4,424.07	41.55

11 46 19 Soda Fountain Equipment (11 46)



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 19 00-0001			Carbonated Beverage Dispensing ^(11 46 19)		
11 46 19 00-0002	EA		Carbonated Beverage Dispenser.....	2,730.97	293.38
11 46 19 00-0003	EA		Carbonated Beverage Dispenser With 90 LB Ice	4,344.76	335.26
11 46 19 00-0004	EA		Carbonated Beverage Dispenser With 150 LB Ice	8,002.19	469.35
11 46 19 00-0005			Beverage Chilling Systems ^(11 46 19)		
11 46 19 00-0006	EA		Beverage Chiller, Small	4,111.85	249.43
11 46 19 00-0007	EA		Beverage Chiller, Large	7,645.38	374.18
11 46 83			Ice Machines ^(11 46)		
11 46 83 00-0001			Ice Cube Maker ^(11 46 83)		
11 46 83 00-0002	EA		101 LB/Day, Self Contained Ice Maker With Built-In Bin	1,720.49	126.37
11 46 83 00-0003	EA		201 LB/Day, Self Contained Ice Maker With Built-In Bin	2,036.35	135.39
11 46 83 00-0004	EA		260 LB/Day, Self Contained Ice Maker With Built-In Bin	2,330.94	144.42
11 46 83 00-0005	EA		320 LB/Day, Modular Ice Maker Without Bin	2,057.62	135.39
11 46 83 00-0006	EA		451 LB/Day, Modular Ice Maker Without Bin	2,234.62	144.42
11 46 83 00-0007	EA		600 LB/Day, Modular Ice Maker Without Bin	2,547.92	144.42
11 46 83 00-0008	EA		901 LB/Day, Modular Ice Maker Without Bin	3,616.34	153.44
11 46 83 00-0009	EA		1301 LB/Day, Modular Ice Maker Without Bin	4,093.29	153.44
11 46 83 00-0010	EA		1601 LB/Day, Modular Ice Maker Without Bin	4,923.33	162.47
11 46 83 00-0011	EA		1900 LB/Day, Modular Ice Maker Without Bin	5,430.20	162.47
11 46 83 00-0012			Ice Flakers ^(11 46 83)		
11 46 83 00-0013	EA		Ice Flakers, 300 LB/Day	3,245.57	406.64
11 46 83 00-0014	EA		Ice Flakers, 600 LB/Day	5,845.67	650.63
11 46 83 00-0015	EA		Ice Flakers, 1,000 LB/Day.....	7,264.12	894.61
11 46 83 00-0016	EA		Ice Flakers, 2,000 LB/Day.....	8,825.30	975.94
11 46 83 00-0017			Ice Storage Bins ^(11 46 83)		
11 46 83 00-0018	EA		260 LB Stainless Steel Ice Storage Bin	854.63	99.74
11 46 83 00-0019	EA		360 LB Stainless Steel Ice Storage Bin	931.21	99.74
11 46 83 00-0020	EA		550 LB Stainless Steel Ice Storage Bin	1,152.05	108.04
11 46 83 00-0021	EA		660 LB Stainless Steel Ice Storage Bin	1,237.14	108.04
11 46 83 00-0022	EA		1150 LB Stainless Steel Ice Storage Bin	2,317.36	116.35
11 48			Foodservice Cleaning and Disposal Equipment ^(11 40)		
11 48 13			Commercial Dishwashers ^(11 48)		
11 48 13 00-0001			Sprays And Hoses ^(11 48 13)		
11 48 13 00-0002			Sprays, Fillers ^(11 48 13 00-0001)		
11 48 13 00-0003	EA		Pre-Rinse Spray	323.62	59.41
11 48 13 00-0004	EA		Kettle Fillers	282.67	59.41
11 48 13 00-0005			Hoses ^(11 48 13 00-0001)		
11 48 13 00-0006	EA		Hose Reel	388.35	71.32
11 48 13 00-0007	EA		Wash-Down Hose.....	306.44	71.32
11 48 13 00-0008	EA		Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,189.91	
11 48 13 00-0009			Rack Type Dishwasher ^(11 48 13)		
11 48 13 00-0010	EA		Dishwasher, 1 Tank And 190 Racks/Hour	7,086.26	162.59
11 48 13 00-0011	EA		Dishwasher, 2 Tanks And 234 Racks/Hour	11,826.77	227.63
11 48 13 00-0012	EA		Dishwasher, 2 Tanks And 265 Racks/Hour	14,222.16	243.89
11 48 13 00-0013	EA		Dishwasher, Automatic - 100 Meals/Hour.....	11,370.18	121.94
11 48 13 00-0014	EA		Dishwasher, Machine Rack	13,315.56	338.76
11 48 13 00-0015	EA		Dishwasher, Hobart LX30-H	3,555.77	142.27
11 48 13 00-0016			Exhaust Hood Dishwasher ^(11 48 13)		
11 48 13 00-0017	EA		4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	1,443.28	157.87
11 48 13 00-0018	EA		4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,439.03	189.44
11 48 13 00-0019			Dish Tables ^(11 48 13)		
11 48 13 00-0020	LF		Clean/Soiled Dish Table, Basic.....	174.16	31.21
11 48 13 00-0021	LF		Clean/Soiled Dish Table With Trough.....	272.91	46.77
11 48 13 00-0022	LF		Clean/Soiled Dish Table, Maximum	332.77	62.34
11 48 16			Food Waste Disposers ^(11 48)		

11 Equipment

11 40 Foodservice Equipment

11 48 Foodservice Cleaning and Disposal Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 16 00-0001			Garbage Disposals ^(11 48 16) Note: Manual switch.		
11 48 16 00-0002	EA		Garbage Disposal 1.5 HP At 100 GPH	1,989.45	121.94
11 48 16 00-0003	EA		Garbage Disposal 3 HP At 120 GPH	3,061.28	81.30
11 48 16 00-0004	EA		Garbage Disposal 5 HP At 250 GPH	3,657.97	162.59
11 48 16 00-0005	EA		Garbage Disposal 7-1/2 HP	5,050.11	161.62
11 48 16 00-0006			Pulper/Extractors ^(11 48 16)		
11 48 16 00-0007	EA		5 HP, Pulper/Extractor, Close-Coupled.....	4,447.69	169.34

11 50 Educational And Scientific Equipment ⁽¹¹⁾

11 52 Audio-Visual Equipment ^(11 50)

11 52 13 Projection Screens ^(11 52)

11 52 13 13 Fixed Projection Screens ^(11 52 13)

11 52 13 13-0001 Screens ^(11 52 13 13)

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded; Da-Lite Model B

11 52 13 13-0003	EA	40 x 40 Pull Down Projection Screen.....	174.90	52.95
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA	50 x 50 Pull Down Projection Screen.....	211.37	68.08
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0005	EA	60 x 60 Pull Down Projection Screen.....	278.10	94.56
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA	70 x 70 Pull Down Projection Screen.....	325.93	113.46
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA	84 x 84 Pull Down Projection Screen.....	499.39	170.20
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0008	EA	96 x 96 Pull Down Projection Screen.....	577.20	189.10
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0009	EA	64 x 84 Pull Down Projection Screen.....	401.05	121.02
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0010	EA	72 x 96 Pull Down Projection Screen.....	471.57	151.28
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0011	EA	43 x 57 Pull Down Projection Screen.....	237.59	64.29
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0012	EA	50 x 67 Pull Down Projection Screen.....	330.54	90.77
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0013	EA	55 x 77 Pull Down Projection Screen.....	363.23	102.12
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0014	EA	60 x 80 Pull Down Projection Screen.....	388.36	109.68
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0015	EA	69 x 92 Pull Down Projection Screen.....	453.74	132.37
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0016	EA	45 x 80 Pull Down Projection Screen.....	358.10	94.56
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0017	EA	52 x 92 Pull Down Projection Screen.....	408.36	109.68
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	



Equipment	11	
Educational And Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded; Da- Lite Model C <small>(11 52 13 13-0001)</small>		
11 52 13 13-0019 EA 50 x 50 Pull Down Projection Screen.....	351.37	68.08
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0020 EA 60 x 60 Pull Down Projection Screen.....	428.10	94.56
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0021 EA 70 x 70 Pull Down Projection Screen.....	516.18	128.59
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0022 EA 84 x 84 Pull Down Projection Screen.....	619.39	170.20
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0023 EA 6' x 8' Pull Down Projection Screen	666.95	173.97
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0024 EA 8' x 8' Pull Down Projection Screen	717.20	189.10
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0025 EA 7' x 9' Pull Down Projection Screen	727.20	189.10
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0026 EA 9' x 9' Pull Down Projection Screen	779.90	200.45
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0027 EA 8' x 10' Pull Down Projection Screen	832.59	211.80
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0028 EA 10' x 10' Pull Down Projection Screen	892.84	226.93
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0029 EA 9' x 12' Pull Down Projection Screen	972.84	226.93
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0030 EA 12' x 12' Pull Down Projection Screen	1,164.13	302.57
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded; Da- Lite Model C With CSR <small>(11 52 13 13-0001)</small>		
Note: With controlled screen return.		
11 52 13 13-0032 EA 60 x 60 Pull Down Projection Screen With CSR (Controlled Screen Return)	628.10	94.56
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0033 EA 70 x 70 Pull Down Projection Screen With CSR (Controlled Screen Return)	726.18	128.59
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0034 EA 84 x 84 Pull Down Projection Screen With CSR (Controlled Screen Return)	829.39	170.20
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0035 EA 6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return).....	866.95	173.97
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0036 EA 8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return).....	927.20	189.10
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0037 EA 7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return).....	937.20	189.10
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0038 EA 9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return).....	989.90	200.45
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0039 EA 8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,015.03 40.00 40.00 120.00	208.01
11 52 13 13-0040 EA 10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,132.84 40.00 40.00 120.00	226.93
11 52 13 13-0041 EA 9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,222.84 40.00 40.00 120.00	226.93
11 52 13 13-0042 EA 12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,434.13 40.00 40.00 120.00	302.57
11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded; Da-Lite Cosmopolitan Electrol ^(11 52 13 13-0001) Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044 EA 50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted.....	1,252.98	85.10
11 52 13 13-0045 EA 60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted.....	1,284.80	94.56
11 52 13 13-0046 EA 70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted.....	1,347.18	113.46
11 52 13 13-0047 EA 84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted.....	1,571.76	170.20
11 52 13 13-0048 EA 6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted.....	1,610.33	173.97
11 52 13 13-0049 EA 8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted.....	1,711.65	189.10
11 52 13 13-0050 EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted.....	1,743.95	189.10
11 52 13 13-0051 EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted.....	1,832.45	202.34
11 52 13 13-0052 EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted.....	1,937.93	211.80
11 52 13 13-0053 EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted.....	2,010.82	226.93
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted.....	2,068.96	226.93
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted.....	2,321.04	302.57
11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded; Da-Lite Professional Electrol ^(11 52 13 13-0001) Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	2,152.84	226.93
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	2,384.13	302.57
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	2,919.77	340.39
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	3,095.41	378.20
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	3,346.70	453.84
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	3,722.34	491.67
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,067.98	529.49
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,267.98	529.49
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,629.26	605.13
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,222.34	491.67
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,549.26	605.13
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,800.54	680.77
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,497.98	529.49
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted..... Note: Heavy-duty screen for exposed or recessed installation without doors.	5,800.54	680.77
11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded; Da-Lite Executive Electrol ^(11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50 x 50 Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,869.20	85.10
11 52 13 13-0073 EA 60 x 60 Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,918.10	94.56
11 52 13 13-0074 EA 70 x 70 Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,975.93	113.46
11 52 13 13-0075 EA 84 x 84 Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,159.39	170.20
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,186.95	173.97
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,277.20	189.10



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,337.20	189.10
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,393.68	202.34
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,462.59	211.80
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,532.84	226.93
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,552.84	226.93
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,804.13	302.57
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,001.95	321.47
11 52 13 13-0085 EA 14' x 14' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,139.77	340.39
11 52 13 13-0086 EA 12' x 16' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,435.41	378.20
11 52 13 13-0087 EA 16' x 16' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,636.70	453.84
11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded; Da-Lite Senior Electrol (11 52 13 13-0001)		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089 EA 50 x 50 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,565.20	85.10
11 52 13 13-0090 EA 60 x 60 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,617.01	104.00
11 52 13 13-0091 EA 70 x 70 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,644.93	113.46
11 52 13 13-0092 EA 84 x 84 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,787.39	170.20
11 52 13 13-0093 EA 6' x 8' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,803.95	173.97
11 52 13 13-0094 EA 8' x 8' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,872.20	189.10
11 52 13 13-0095 EA 7' x 9' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,925.20	189.10
11 52 13 13-0096 EA 9' x 9' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,022.68	202.34
11 52 13 13-0097 EA 8' x 10' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,055.59	211.80
11 52 13 13-0098 EA 10' x 10' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,128.84	226.93
11 52 13 13-0099 EA 9' x 12' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,164.49	264.74
11 52 13 13-0100 EA 12' x 12' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,380.13	302.57
11 52 13 13-0101 EA 10'-6" x 14' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,915.95	321.47
11 52 13 13-0102 EA 14' x 14' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	3,048.77	340.39
11 52 13 13-0103 EA 12' x 16' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	3,309.41	378.20
11 52 13 13-0104 EA 16' x 16' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	3,502.70	453.84
11 52 13 13-0105 EA 13'-6" x 18' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	3,813.34	491.67
11 52 13 13-0106 EA 18' x 18' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	4,055.98	529.49
11 52 13 13-0107 EA 15' x 20' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	4,201.98	529.49
11 52 13 13-0108 EA 20' x 20' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	4,665.26	605.13
11 52 13 13-0109 EA 50 x 67 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,644.93	113.46
11 52 13 13-0110 EA 60 x 80 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,749.57	151.28
11 52 13 13-0111 EA 69 x 92 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,796.39	170.20
11 52 13 13-0112 EA 87 x 116 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,065.59	211.80
11 52 13 13-0113 EA 105 x 140 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,247.49	264.74
11 52 13 13-0114 EA 123 x 164 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,797.77	340.39
11 52 13 13-0115 EA 141 x 188 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	3,025.06	416.03
11 52 13 13-0116 EA 12' x 24' Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	5,161.62	567.31
11 52 13 13-0117 EA 45 x 80 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,754.57	151.28

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0118 EA 52 x 92 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,811.39	170.20
11 52 13 13-0119 EA 54 x 96 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,863.08	181.54
11 52 13 13-0120 EA 58 x 104 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	1,902.34	196.66
11 52 13 13-0121 EA 65 x 116 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,017.59	211.80
11 52 13 13-0122 EA 78 x 139 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,209.49	264.74
11 52 13 13-0123 EA 92 x 164 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	2,770.77	340.39
11 52 13 13-0124 EA 106 x 188 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	3,224.06	416.03
11 52 13 13-0125 EA 119 x 212 Electric Projection Screen, Senior..... Note: Heavy duty screen for recessed or exposed installation.	3,900.34	491.67
11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded; Da-Lite Boardroom Electrol <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,422.33	85.10
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,472.24	94.56
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,533.33	113.46
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,726.90	170.20
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,760.30	173.97
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,846.11	189.10
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,932.68	189.10
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,014.72	202.34
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,074.98	211.80
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,171.13	226.93
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,260.28	226.93
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,486.51	302.57
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded; Da-Lite Ascender Electrol <small>(11 52 13 13-0001)</small> Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60 x 80 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,757.20	189.10
11 52 13 13-0141 EA 69 x 92 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,112.84	226.93
11 52 13 13-0142 EA 87 x 116 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,019.77	340.39
11 52 13 13-0143 EA 105 x 140 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,606.70	453.84
11 52 13 13-0144 EA 120 x 160 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,457.98	529.49
11 52 13 13-0145 EA 52 x 92 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,037.20	189.10
11 52 13 13-0146 EA 58 x 104 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,522.84	226.93
11 52 13 13-0147 EA 65 x 116 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,868.49	264.74
11 52 13 13-0148 EA 78 x 139 Electric Ascending Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,379.77	340.39
11 52 13 13-0149 Electric Rear Projection Screen, Da-Lite DA-View <small>(11 52 13 13-0001)</small> Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,356.02	189.10
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,943.55	208.01
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,366.15	226.93
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,987.57	245.83



Equipment	11	
Educational And Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0154 EA 90° Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,630.06	6,365.31
11 52 13 13-0155 EA 96° Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,365.34	302.57
11 52 13 13-0156 EA 100° Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,419.90	340.39
11 52 13 13-0157 EA 120° Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,683.80	378.20
11 52 13 13-0158 EA 125° Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,188.67	416.03
11 52 13 13-0159 EA 135° Diagonal Video Format Rigid Rear Projection Screen..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,936.76	453.84
11 52 13 13-0160 Screen Accessories (11 52 13 13-0001)		
11 52 13 13-0161 Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair).....	29.35	5.67
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair).....	39.35	6.05
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	45.35	6.81
11 52 13 13-0165 Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared.....	257.90	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	367.90	
11 52 13 13-0168 Relocate Existing Fixed Projection Screen (11 52 13 13)		
11 52 13 13-0169 EA Relocate Electric Controlled Projection Screen, Including Storage And Cleaning.....	1,112.37	
11 52 13 16 Portable Projection Screens (11 52 13)		
11 52 13 16-0001 Motion Picture Screen And Case (11 52 13 16)		
11 52 13 16-0002 SF Screen, Riser Projection With Anodized Aluminum Frame.....	18.22	2.72
11 52 16 Projectors (11 52)		
11 52 16 26 Video Projectors (11 52 16)		
11 52 16 26-0001 Projectors (11 52 16 26)		
11 52 16 26-0002 EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	674.34	37.82
11 52 16 26-0003 EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	779.11	37.82
11 52 16 26-0004 EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,026.07	37.82
11 52 16 26-0005 EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	1,609.80	37.82
11 52 16 26-0006 EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	1,871.73	37.82
11 52 16 26-0007 EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	2,373.14	37.82
11 52 16 26-0008 EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,765.10	37.82
11 52 16 26-0009 EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	5,097.20	37.82
11 52 16 26-0010 EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	7,559.34	37.82
11 52 16 26-0011 Projector Mounts (11 52 16 26)		
11 52 16 26-0012 Universal Projector Mounts (11 52 16 26-0011)		
Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013 EA Flush Ceiling, Universal Projector Mount (Peerless PPF).....	160.77	41.59
11 52 16 26-0014 EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	253.68	41.59
11 52 16 26-0015 Projector Mount Components (11 52 16 26-0011)		
Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0017 EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	59.89	18.90
11 52 16 26-0018 EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	78.96	18.90
11 52 16 26-0019 EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	107.18	18.90
11 52 16 26-0020 EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	134.07	18.90
11 52 16 26-0021 Projector Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0022 EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	190.67	18.90
11 52 16 26-0023 EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	412.95	18.90
11 52 16 26-0024 Threaded Extension Columns For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts (11 52 16 26-0024)		
Note: Peerless EXT series.		
11 52 16 26-0026 EA 6" Fixed Length, Threaded Extension Column For Projector Mounts.....	33.69	5.67
11 52 16 26-0027 EA 12" Fixed Length, Threaded Extension Column For Projector Mounts.....	43.10	5.67

11	Equipment
11 50	Educational And Scientific Equipment
11 52	Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0028 EA 18" Fixed Length, Threaded Extension Column For Projector Mounts	46.63	5.67
11 52 16 26-0029 EA 24" Fixed Length, Threaded Extension Column For Projector Mounts	48.98	5.67
11 52 16 26-0030 EA 36" Fixed Length, Threaded Extension Column For Projector Mounts	58.63	7.56
11 52 16 26-0031 EA 48" Fixed Length, Threaded Extension Column For Projector Mounts	70.39	7.56
11 52 16 26-0032 EA 60" Fixed Length, Threaded Extension Column For Projector Mounts	89.21	7.56
11 52 16 26-0033 EA 72" Fixed Length, Threaded Extension Column For Projector Mounts	102.14	7.56
11 52 16 26-0034 EA 84" Fixed Length, Threaded Extension Column For Projector Mounts	120.04	9.45
11 52 16 26-0035 EA 96" Fixed Length, Threaded Extension Column For Projector Mounts	136.50	9.45
11 52 16 26-0036 EA 108" Fixed Length, Threaded Extension Column For Projector Mounts	152.04	11.35
11 52 16 26-0037 EA 120" Fixed Length, Threaded Extension Column For Projector Mounts	159.10	11.35
11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0024)</small>		
Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039 EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	68.29	9.45
11 52 16 26-0040 EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	103.57	9.45
11 52 16 26-0041 EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	105.92	9.45
11 52 16 26-0042 EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	109.45	9.45
11 52 16 26-0043 EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	119.11	11.35
11 52 16 26-0044 EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	124.99	11.35
11 52 16 26-0045 EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	137.93	11.35
11 52 16 26-0046 EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	149.69	11.35
11 52 16 26-0047 EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	166.42	13.23
11 52 16 26-0048 EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	178.18	13.23
11 52 16 26-0049 EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	194.88	15.12
11 52 16 26-0050 EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	203.11	15.12
11 53 Laboratory Equipment <small>(11 50)</small>		
11 53 43 Service Fittings And Accessories <small>(11 53)</small>		
11 53 43 00-0001 Outlet And Valves <small>(11 53 43)</small>		
11 53 43 00-0002 EA Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	578.36	
11 53 43 00-0003 Test And Certify <small>(11 53 43)</small>		
11 53 43 00-0004 EA Test And Certify Medical Gas Port	40.66	
11 60 Entertainment and Recreation Equipment <small>(11)</small>		
11 66 Athletic Equipment <small>(11 60)</small>		
11 66 13 Exercise Equipment <small>(11 66)</small>		
11 66 13 00-0001 Fitness Systems <small>(11 66 13)</small>		
11 66 13 00-0002 Components For Physical Fitness Activities <small>(11 66 13 00-0001)</small>		
11 66 13 00-0003 EA Sit And Reach	760.66	77.15
11 66 13 00-0004 EA Isometric Squat	284.89	30.86
11 66 13 00-0005 EA Log Jump	1,800.66	123.45
11 66 13 00-0006 EA Step Up	426.62	61.72
11 66 13 00-0007 EA Hip Rotation	1,959.28	108.02
11 66 13 00-0008 EA Body Curl	738.22	61.72
11 66 13 00-0009 EA Horizontal Ladder	2,364.90	123.45
11 66 13 00-0010 EA Chin Up	1,809.08	123.45
11 66 13 00-0011 EA Push Up	1,096.13	61.72
11 66 13 00-0012 EA Leg Raise	1,536.83	92.59
11 66 13 00-0013 EA Log Hop	689.12	30.86
11 66 13 00-0014 EA Parallel Bar	1,479.99	92.59
11 66 13 00-0015 EA Leg Stretch	637.16	61.72
11 66 13 00-0016 EA Balance Beam	566.30	46.29
11 66 13 00-0017 EA Log Roll	1,745.97	77.15
11 68 Play Field Equipment And Structures <small>(11 60)</small>		
11 68 13 Playground Equipment <small>(11 68)</small>		
See CSI section 32 31 13 00-0001 for augering holes and fill for posts.		
11 68 13 00-0001 Standalone Playground Equipment <small>(11 68 13)</small>		
11 68 13 00-0002 Ground Socket For Movable Posts <small>(11 68 13 00-0001)</small>		
11 68 13 00-0003 PR Ground Socket For 2-3/8" Post For Playground Equipment	182.06	45.10
11 68 13 00-0004 PR Ground Socket For 3-1/2" Post For Playground Equipment	259.40	45.10
11 68 13 00-0005 See-Saws <small>(11 68 13 00-0001)</small>		
11 68 13 00-0006 Steel See-Saw <small>(11 68 13 00-0005)</small>		



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0007	EA		2 Unit Steel See-Saw.....	1,448.43	277.56
11 68 13 00-0008	EA		4 Unit Steel See-Saw.....	2,244.74	328.01
11 68 13 00-0009	EA		6 Unit Steel See-Saw.....	3,067.50	400.92
11 68 13 00-0010			14' Long Laminated Beam <small>(11 68 13 00-0005)</small>		
11 68 13 00-0011	EA		Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,444.88	245.43
11 68 13 00-0012	EA		Beam Is Supported By Two 8 In x 8 In Posts.....	1,031.08	218.63
11 68 13 00-0013			Slides <small>(11 68 13 00-0001)</small>		
11 68 13 00-0014	EA		8' Long x 4' High Slide With Stainless Steel Bed	1,749.70	317.39
11 68 13 00-0015	EA		12' Long x 6' High Slide With Stainless Steel Bed	2,465.31	451.03
11 68 13 00-0016	EA		16' Long x 8' High Slide With Stainless Steel Bed	2,731.69	501.14
11 68 13 00-0017	EA		20' Long x 10' High Slide With Stainless Steel Bed	3,370.49	555.13
11 68 13 00-0018	EA		6' High, 360 Degree One Piece Molded Polyethylene Slide	4,895.92	873.25
11 68 13 00-0019	EA		7' High, 360 Degree Slide, Stainless Steel Bed	9,718.44	900.85
11 68 13 00-0020	EA		9' High, 360 Degree Slide, Stainless Steel Bed	12,117.93	946.82
11 68 13 00-0021			Whirlers <small>(11 68 13 00-0001)</small>		
11 68 13 00-0022	EA		8' Diameter Whirler	3,777.34	601.36
11 68 13 00-0023	EA		10' Diameter Whirler	4,406.05	721.64
11 68 13 00-0024			Other Standalone Playground Equipment <small>(11 68 13 00-0001)</small>		
11 68 13 00-0025			Miscellaneous Standalone Playground Equipment <small>(11 68 13 00-0024)</small>		
11 68 13 00-0026	EA		Horizontal Ladder	1,131.75	148.44
11 68 13 00-0027	EA		Tether Ball Post.....	203.46	31.40
11 68 13 00-0028	PR		10'-6" Long Multiple Purpose Post.....	316.92	55.53
11 68 13 00-0029	EA		3-Person Fiberglass Golf Tee Shelter Turntable.....	2,075.15	156.89
11 68 13 00-0030	EA		Horizontal Turning Bars, 1 Bar.....	374.12	77.47
11 68 13 00-0031	EA		Horizontal Turning Bars, 2 Bars.....	499.57	92.59
11 68 13 00-0032	EA		Horizontal Turning Bars, 3 Bars.....	672.83	123.45
11 68 13 00-0033	EA		Horizontal Turning Bars, 5 Bars.....	978.38	169.74
11 68 13 00-0034	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	970.00	70.67
11 68 13 00-0035	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,067.20	76.29
11 68 13 00-0036	EA		Coil Spring With Single Riding Aluminum Saddle Devices	1,047.86	81.78
11 68 13 00-0037	EA		"C" Spring With Single Riding Aluminum Saddle Devices	660.26	70.37
11 68 13 00-0038	EA		Rubber Spring With Single Riding Aluminum Saddle Devices.....	819.39	92.15
11 68 13 00-0039	EA		Coil Spring Assembly Only	273.30	33.89
11 68 13 00-0040	EA		"C" Spring Assembly Only	181.64	22.59
11 68 13 00-0041	EA		Rubber Spring Assembly Only.....	205.00	44.07
11 68 13 00-0042	EA		Footbuck Assembly Only.....	47.24	5.93
11 68 13 00-0043	EA		Replacement Animal Only	670.43	48.02
11 68 13 00-0044	EA		Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,186.87	84.75
11 68 13 00-0045			Freestanding Panels <small>(11 68 13 00-0024)</small>		
			Note: Rotomolded polyethylene.		
11 68 13 00-0046	EA		Tic-Tac-Toe Panel	505.50	36.30
11 68 13 00-0047	EA		24" Bubble Panel	757.26	54.38
11 68 13 00-0048	EA		Fire Engine Panel	1,111.30	79.81
11 68 13 00-0049	EA		Flat Mirror Panel	889.05	63.88
11 68 13 00-0050	EA		Wavy Mirror Panel	1,315.87	94.56
11 68 13 00-0051	EA		Paint Time Panel	853.65	61.35
11 68 13 00-0052	EA		Phone Time Panel	605.80	43.52
11 68 13 00-0053	EA		Phone Time With Graphic Panel.....	605.80	43.52
11 68 13 00-0054	EA		Race Time Panel	1,062.13	76.29
11 68 13 00-0055	EA		Rescue 911 Panel	1,077.29	76.29
11 68 13 00-0056	EA		Eastern/Central/Western States Panel	580.25	41.67
11 68 13 00-0057	EA		Career People Panel	658.91	47.34
11 68 13 00-0058	EA		Solar System Panel	658.91	47.34
11 68 13 00-0059	EA		Animals Panel.....	658.91	47.34
11 68 13 00-0060			Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061	EA		3-1/2" Outside Diameter End Panel Upright	161.96	20.37
11 68 13 00-0062	EA		3-1/2" Outside Diameter 90 Degree Upright	175.46	22.04
11 68 13 00-0063	EA		3-1/2" Outside Diameter 180 Degree Upright	175.46	22.04
11 68 13 00-0064	EA		3-1/2" Outside Diameter "T-Shaped" Upright.....	186.71	23.46
11 68 13 00-0065			Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066	EA		12' Single Metal Coaster With Four Posts	3,891.19	246.89
11 68 13 00-0067	EA		18' Single Metal Coaster With Four Posts	4,369.60	308.62
11 68 13 00-0068	EA		12' Double Metal Coaster With Four Posts	6,278.04	370.34
11 68 13 00-0069	EA		18' Double Metal Coaster With Four Posts	7,163.16	462.93

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0070			Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071	EA		Tower Climber, 3.17' Diameter x 7.25' High.....	780.75	164.92
11 68 13 00-0072	EA		Arch Climber, 2' x 12' x 4.5' High.....	719.61	201.97
11 68 13 00-0073	EA		Arch Climber, 2' x 15' x 5.83' High.....	773.65	164.92
11 68 13 00-0074	EA		Arch Climber, 2' x 17' x 6.58' High.....	824.83	201.97
11 68 13 00-0075	EA		Rainbow Climber, 2' x 10'-5" x 4' High.....	876.99	164.74
11 68 13 00-0076	EA		Rainbow Climber, 2' x 10'-5" x 5' High.....	971.73	164.80
11 68 13 00-0077	EA		Rainbow Climber, 2' x 12'-5" x 6' High.....	1,116.84	164.80
11 68 13 00-0078	EA		Rainbow Climber, 2' x 15'-4" x 7' High.....	1,211.74	164.74
11 68 13 00-0079	EA		Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	1,458.74	192.89
11 68 13 00-0080	EA		12' Long Horizontal Ladder Climber.....	1,204.27	155.88
11 68 13 00-0081	EA		14' Long Horizontal Ladder Climber.....	1,220.24	155.88
11 68 13 00-0082	EA		16' Long Horizontal Ladder Climber.....	1,325.97	155.88
11 68 13 00-0083	EA		Bell Climber, 7'-5" High With Double Bars.....	1,252.63	185.17
11 68 13 00-0084	EA		2-Way Climber.....	1,056.45	148.44
11 68 13 00-0085	EA		4-Way Climber.....	1,630.39	148.44
11 68 13 00-0086			Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0087			Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
			Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088	EA		8' High Top Rail, One Section Two Seats.....	1,060.86	245.43
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	120.91	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	127.18	
11 68 13 00-0089	EA		8' High Top Rail, Two Sections Four Seats.....	1,678.84	351.20
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	192.31	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	206.09	
11 68 13 00-0090	EA		8' High Top Rail, Three Sections, Six Seats.....	2,327.38	516.78
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	266.31	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	284.20	
11 68 13 00-0091	EA		8' High Top Rail, Four Sections, Eight Seats.....	2,906.78	601.36
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	333.27	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	358.31	
11 68 13 00-0092	EA		10' High Top Rail, One Section Two Seats.....	1,122.02	245.43
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	128.56	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	137.89	
11 68 13 00-0093	EA		10' High Top Rail, Two Section Four Seats.....	1,765.60	374.05
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	201.49	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	212.91	
11 68 13 00-0094	EA		10' High Top Rail, Three Sections, Six Seats.....	2,452.36	580.86
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	278.88	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	290.81	
11 68 13 00-0095	EA		10' High Top Rail, Four Sections, Eight Seats.....	3,229.22	701.60
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	368.56	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	389.64	
11 68 13 00-0096			Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
			Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097	EA		8' High Top Rail, One Section, Two Seats.....	1,183.08	216.76
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	137.05	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	152.84	
11 68 13 00-0098	EA		8' High Top Rail, Two Sections, Four Seats.....	1,717.06	314.51
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	198.91	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	221.86	
11 68 13 00-0099	EA		8' High Top Rail, Three Sections, Six Seats.....	2,291.42	420.63
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	265.40	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	295.84	
11 68 13 00-0100	EA		8' High Top Rail, Four Sections, Eight Seats.....	2,848.17	501.14
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	330.96	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	373.13	
11 68 13 00-0101	EA		10' High Top Rail, One Section, Two Seats.....	1,334.06	244.29
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	154.54	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	172.39	
11 68 13 00-0102	EA		10' High Top Rail, One Section Three Seats.....	1,388.26	259.05
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	161.19	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	181.25	
11 68 13 00-0103	EA		10' High Top Rail, Two Sections, Four Seats.....	1,863.03	341.98
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	215.78	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	240.53	
11 68 13 00-0104	EA		10' High Top Rail, Two Sections, Six Seats.....	2,219.15	394.23
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	258.61	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	294.44	
11 68 13 00-0105	EA		10' High Top Rail, Three Section, Six Seats.....	2,479.76	454.97
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	287.22	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	320.21	
11 68 13 00-0106	EA		10' High Top Rail, Three Sections, Nine Seats.....	3,047.77	501.34
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	355.91	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	408.06	
11 68 13 00-0107	EA		10' High Top Rail, Four Section, Eight Seats.....	3,160.32	601.36
			For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add	364.96	
			For Contemporary Design With 2-3/8" O.D. Support Pipe, Add	402.68	



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0108 EA 12' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	1,448.69 168.45 190.31	265.34
11 68 13 00-0109 EA 12' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	2,353.86 273.90 310.25	426.90
11 68 13 00-0110 EA 12' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" O.D. Top Pipe With 2-3/8" O.D. Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" O.D. Support Pipe, Add</i>	3,475.58 401.04 441.18	683.76
11 68 13 00-0111 Swing Accessories <small>(11 68 13 00-0086)</small>		
11 68 13 00-0112 EA Enclosed Tot Seat With Chain And Hardware	319.93	20.14
11 68 13 00-0113 EA Bucket Seat With Chain And Hardware	265.97	16.75
11 68 13 00-0114 EA Belt Seat With Chain And Hardware	283.31	17.88
11 68 13 00-0115 EA Seat With Chain And Hardware	279.45	17.61
11 68 13 00-0116 EA Wide Seat With Chain And Hardware	294.98	18.61
11 68 13 00-0117 EA Handi Seat With Chain And Hardware	880.78	55.50
11 68 13 00-0118 LF 0.4 LB/LF Replacement Chain	3.80	0.40
11 68 13 00-0119 LF 1 LB/LF Replacement Chain	7.05	0.79
11 68 13 00-0120 EA Swing Hanger Replacement	41.23	4.59
11 68 13 00-0121 Modular Playground Stations <small>(11 68 13)</small>		
Note: Complete as described.		
11 68 13 00-0122 "Miracle" Or Equal <small>(11 68 13 00-0121)</small>		
11 68 13 00-0123 EA Miracle 714-029	69,275.51	6,419.30
11 68 13 00-0124 EA Miracle 714-030	27,914.85	2,586.23
11 68 13 00-0125 EA Miracle 714-031	35,904.61	3,326.93
11 68 13 00-0126 EA Miracle 714-055	109,331.86	10,104.23
11 68 13 00-0127 EA Miracle 714-059	50,518.32	4,672.51
11 68 13 00-0128 EA Miracle 714-038	5,836.98	539.47
11 68 13 00-0129 EA Miracle 714-053	39,803.41	3,678.76
11 68 13 00-0130 EA Miracle 714-050	28,153.06	2,604.76
11 68 13 00-0131 EA Miracle 714-056	99,054.58	9,147.51
11 68 13 00-0132 EA Miracle 714-020	43,151.30	3,987.38
11 68 13 00-0133 EA Miracle 714-035	35,193.67	3,246.68
11 68 13 00-0134 EA Miracle 714-021	47,615.41	4,394.75
11 68 13 00-0135 EA Miracle 714-034	53,171.27	4,907.06
11 68 13 00-0136 EA Miracle 714-025	19,008.62	1,752.96
11 68 13 00-0137 EA Miracle 714-027	24,590.15	2,271.45
11 68 13 00-0138 EA Miracle 714-057	24,980.60	2,308.48
11 68 13 00-0139 EA Miracle 714-061	28,839.24	2,666.48
11 68 13 00-0140 EA Miracle 714-003	33,255.39	3,073.86
11 68 13 00-0141 EA Miracle 714-002-1	34,781.53	3,215.82
11 68 13 00-0142 EA Miracle 714-018	27,844.91	2,573.89
11 68 13 00-0143 EA Miracle 714-019	17,798.91	1,641.86
11 68 13 00-0144 EA Miracle 714-023	13,360.06	1,234.48
11 68 13 00-0145 EA Miracle 714-010	30,527.46	2,820.79
11 68 13 00-0146 EA Miracle 718-008	12,570.68	1,160.41
11 68 13 00-0147 EA Miracle 718-002	18,669.25	1,728.27
11 68 13 00-0148 EA Miracle 718-010	12,087.46	1,117.21
11 68 13 00-0149 EA Miracle 718-005	17,072.50	1,583.22
11 68 13 00-0150 EA Miracle 718-854	1,480.53	135.79
11 68 13 00-0151 EA Miracle 1314-2	969.30	89.50
11 68 13 00-0152 EA Miracle 718-009	5,216.66	482.06
11 68 13 00-0153 EA Miracle 718-014	16,121.33	1,487.55
11 68 13 00-0154 EA Miracle 718-012	9,313.18	857.96
11 68 13 00-0155 EA Miracle 718-001	14,906.15	1,376.44
11 68 13 00-0156 EA Miracle 718-011	8,586.27	790.07
11 68 13 00-0157 EA Miracle 162-422	92,181.51	8,493.24
11 68 13 00-0158 EA Miracle 162-440	38,995.57	3,598.51
11 68 13 00-0159 EA Miracle 162-438	77,180.70	7,122.95
11 68 13 00-0160 EA Miracle 162-435-1	15,940.58	1,469.04
11 68 13 00-0161 EA Miracle 162-411	67,915.63	6,258.82
11 68 13 00-0162 EA Miracle 162-495	18,064.22	1,666.55
11 68 13 00-0163 EA Miracle 162-436	34,479.24	3,172.62
11 68 13 00-0164 EA Miracle 162-408	48,065.33	4,431.78
11 68 13 00-0165 EA Miracle 137A	7,906.29	728.34
11 68 13 00-0166 EA Miracle 136A	5,684.39	524.65
11 68 13 00-0167 EA Miracle 134RA	4,606.43	425.90
11 68 13 00-0168 EA Miracle 138RA	7,397.52	678.96
11 68 13 00-0169 EA Miracle 121-112A	3,538.05	327.14
11 68 13 00-0170 EA Miracle 105-22A	4,937.12	456.76
11 68 13 00-0171 EA Miracle 132-31A	5,307.14	487.62
11 68 13 00-0172 EA Miracle 132-71A	10,126.10	932.04
11 68 13 00-0173 EA Miracle Twin Rider 608-1	1,137.72	104.93
11 68 13 00-0174 EA Miracle Twin Bear Rider 608-2	2,310.12	212.33
11 68 13 00-0175 EA Miracle 4-way Animal Hop 926	4,352.04	401.20
11 68 13 00-0176 EA Miracle Spaceship Columbia 939	1,385.14	129.62
11 68 13 00-0177 EA Miracle Grad Prix 950	1,616.41	148.14

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0178	EA		Miracle Moto-Cross With "C" Spring	1,093.80	98.76
11 68 13 00-0179	EA		Miracle Rodeo Rider With "C" Spring 901	709.92	64.81
11 68 13 00-0180	EA		Miracle Frog With "C" Spring 932	709.92	65.43
11 68 13 00-0181	EA		Miracle Jet Interceptor With "C" Spring 940	709.92	65.43
11 68 13 00-0182	EA		Miracle Elephant With "C" Spring 938	709.92	65.43
11 68 13 00-0183	EA		Miracle Lion With "C" Spring 917	709.92	65.43
11 68 13 00-0184	EA		Miracle Schnozz Womp With "C" Spring 933	709.92	65.43
11 68 13 00-0185	EA		Miracle Squirrel With "C" Spring 918	709.92	65.43
11 68 13 00-0186	EA		Miracle Seal With "C" Spring 919	709.92	65.43
11 68 13 00-0187	EA		Miracle 13' Geodesic Climber 402-2	3,332.32	308.62
11 68 13 00-0188	EA		Miracle Parallel Bars 850-285-2	520.94	48.14
11 68 13 00-0189	EA		Miracle 4-way Climber 410	2,601.31	240.72
11 68 13 00-0190	EA		Miracle Spider Climber 409	1,167.78	108.02
11 68 13 00-0191	EA		Miracle Horizontal Ladder 411	1,202.57	111.11
11 68 13 00-0192	EA		Miracle Whirl 302	2,703.33	246.89
11 68 13 00-0193	EA		Miracle Junior Whirl 300	2,078.87	191.34
11 68 13 00-0194	EA		Miracle Pony Express 321	5,940.72	549.34
11 68 13 00-0195	EA		Miracle Mustang Whirl 301	4,044.51	370.34

11 68 23 Exterior Court Athletic Equipment (11 68)**11 68 23 13 Exterior Basketball Equipment (11 68 23)****11 68 23 13-0001 Basketball Systems (11 68 23 13)**

See CSI section 32 31 13 00-0001 for auguring holes and concrete.

11 68 23 13-0002	EA		4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System	1,322.30	173.53
			Note: Sportsplay 541-616.		
11 68 23 13-0003	EA		5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,691.78	190.88
			Note: Porter Athletic 176-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	318.00	
11 68 23 13-0004	EA		4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,072.39	173.53
			Note: Porter Athletic 164-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	318.00	
11 68 23 13-0005	EA		4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,340.68	190.88
			Note: Porter Athletic 166-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	318.00	
11 68 23 13-0006	EA		Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	3,297.87	255.19
			Note: Porter Athletic 184-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-266.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	636.00	
11 68 23 13-0007	EA		Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	3,688.51	280.70
			Note: Porter Athletic 186-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-266.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	636.00	

11 68 23 13-0008 Basketball Components (11 68 23 13)

See CSI section 32 31 13 00-0001 for auguring holes and concrete.

11 68 23 13-0009	EA		Nylon Cord Basketball Net	23.21	6.17
			Note: Porter Athletic 9608-120.		
11 68 23 13-0010	EA		Chain Basketball Net	51.69	6.17
			Note: Porter Athletic 161.		
11 68 23 13-0011	EA		Heavy Duty Goal Ring	228.91	30.86
			Note: Porter Athletic 235.		
11 68 23 13-0012	EA		Goal Ring For Steel Net	217.25	13.89
			Note: Porter Athletic 251.		
11 68 23 13-0013	EA		42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame	939.68	26.24
			Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 00204-000.		
11 68 23 13-0014	EA		42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard	832.68	26.24
			Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 1207-300.		
11 68 23 13-0015	EA		42" x 72" Rectangular Melamine Surfaced Particle Board Basketball Backboard	534.74	21.60
			Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 228-300.		
11 68 23 13-0016	EA		54" x 39" Fan Shaped Cast Aluminum Basketball Backboard	472.07	23.15
			Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 234-300.		
			<i>For No Perimeter And Target Markings, Deduct</i>	-42.58	
11 68 23 13-0017	EA		54" x 39" Fan Shaped Fiberglass Basketball Backboard	323.83	23.15
			Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 267-000.		

11 68 23 33 Tennis Equipment (11 68 23)**11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)**

11 68 23 33-0002	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	737.00	113.59
11 68 23 33-0003	PR		Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	886.44	113.59



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 33-0004	PR		Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	911.35	113.59
11 68 23 33-0005	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	954.42	113.59
11 68 23 33-0006	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,107.77	113.59
11 68 23 33-0007	PR		Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	182.21	
11 68 23 33-0008	PR		Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	200.82	
11 68 23 33-0009			Tennis Court Nets <small>(11 68 23 33)</small>		
11 68 23 33-0010	EA		42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	361.71	112.26
11 68 23 33-0011	EA		42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	391.43	112.26
11 68 23 33-0012	EA		42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net.....	809.67	172.73
11 68 23 33-0013	EA		Galvanized Steel Anchor For Tennis Court Net Center Strap.....	48.69	
11 68 33			Athletic Field Equipment <small>(11 68)</small>		
11 68 33 13			Football Field Equipment <small>(11 68 33)</small>		
11 68 33 13-0001			Football Goal Posts <small>(11 68 33 13)</small>		
			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR		Double Steel Football Goal Posts, "H Shape".....	2,881.32	277.76
11 68 33 13-0003	PR		Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	3,911.78	349.74
11 68 33 13-0004	PR		Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	4,672.52	419.69
11 68 33 23			Soccer And Field Hockey Equipment <small>(11 68 33)</small>		
11 68 33 23-0001			Soccer Goal Posts <small>(11 68 33 23)</small>		
			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR		Regulation Soccer Goal Posts.....	2,676.74	200.46
11 68 33 23-0003	PR		Combination Football/Soccer Goal Post.....	3,148.07	277.76
11 68 33 33			Baseball Field Equipment <small>(11 68 33)</small>		
11 68 33 33-0001			Bases <small>(11 68 33 33)</small>		
11 68 33 33-0002	SET		Bases For Baseball Or Softball.....	297.19	
11 70			Healthcare Equipment <small>(11)</small>		
11 73			Patient Care Equipment <small>(11 70)</small>		
11 73 23			Patient Lift <small>(11 73)</small>		
11 73 23 00-0001			Ceiling Patient Lift <small>(11 73 23)</small>		
11 73 23 00-0002	EA		Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	6,802.05	
			Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.		
11 80			Facility Maintenance and Operation Equipment <small>(11)</small>		
11 81			Maintenance Equipment <small>(11 80)</small>		
11 81 29			Facility Fall Protection <small>(11 81)</small>		
11 81 29 00-0001			Safety And Tie-Back Anchors <small>(11 81 29)</small>		
			Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0063 for engineering testing and inspection.		
11 81 29 00-0002			Roof Mounted, Safety And Tie-Back Anchors <small>(11 81 29 00-0001)</small>		
			Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA		Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	381.83	56.73
			Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
			For Stainless Steel Pad Eye, Add	40.00	
			For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004	EA		Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	326.87	56.73
			Note: Includes drilling in concrete and adhesive anchor systems.		
			For Stainless Steel Pad Eye, Add	40.00	
			For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005	EA		Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	283.02	62.13
			For Stainless Steel Pad Eye, Add	40.00	
			For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006			Wall Mounted, Safety And Tie-Back Anchor <small>(11 81 29 00-0001)</small>		
			Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA		Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	297.62	56.73
			Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
			For Stainless Steel Pad Eye, Add	40.00	

11 Equipment**11 80 Facility Maintenance and Operation Equipment****11 81 Maintenance Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0008 EA Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	270.89	56.73
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009 EA Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) For Stainless Steel Pad Eye, Add	253.62 40.00	62.13
11 81 29 00-0010 Safety And Tie-Back Anchor Accessories <small>(11 81 29 00-0001)</small>		
11 81 29 00-0011 EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	213.82	
11 82 Facility Solid Waste Handling Equipment <small>(11 80)</small>		
11 82 19 Packaged Incinerators <small>(11 82)</small>		
11 82 19 00-0001 Electric Incinerator <small>(11 82 19)</small>		
11 82 19 00-0002 EA Electric Package Incinerator, 100 LB/Hour	21,162.11	803.55
11 82 19 00-0003 EA Electric Package Incinerator, 400 LB/Hour	43,278.00	1,607.11
11 82 19 00-0004 EA Electric Package Incinerator, 1,000 LB/Hour	144,501.95	2,410.66
11 82 26 Facility Waste Compactors <small>(11 82)</small>		
11 82 26 00-0001 Waste Compactors <small>(11 82 26)</small>		
11 82 26 00-0002 110 Volt Compactors <small>(11 82 26 00-0001)</small>		
11 82 26 00-0003 EA Waste Compactor, 110 Volt At 75 LB/Hour.....	11,288.94	307.47
11 82 26 00-0004 EA Waste Compactor, 110 Volt At 250 LB/Hour.....	14,189.38	737.93
11 82 26 00-0005 230 Volt Compactors <small>(11 82 26 00-0001)</small>		
11 82 26 00-0006 EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	14,163.33	983.91
11 82 26 00-0007 EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	15,971.75	1,291.38
11 82 26 00-0008 Trash Compactors <small>(11 82 26)</small>		
11 82 26 00-0009 EA Trash Compactor, Small	2,605.50	218.29
11 82 26 00-0010 EA Trash Compactor, Large	3,208.81	247.02

END OF SECTION 11



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation And Maintenance Of Furnishings ⁽¹²⁾

12 01 60 Operation And Maintenance Of Multiple Seating ^(12 01)

12 01 60 00-0001 Repair Fixed Auditorium Seating ^(12 01 60)			
12 01 60 00-0002	EA Replace Seat Part.....	102.43	
12 01 60 00-0003	EA Replace Center Armrest Part.....	49.34	
12 01 60 00-0004	EA Replace End Armrest Part.....	66.91	
12 01 60 00-0005	EA Replace Kick Plate Part.....	73.40	
12 01 60 00-0006	EA Replace Back Part.....	122.32	
12 01 60 00-0007	EA Replace Standard Part.....	95.64	
12 01 60 00-0008	EA Replace Back Bracket Part.....	42.85	
12 01 60 00-0009	EA Replace Seat Bracket Part.....	44.25	
12 01 60 00-0010	EA Secure Seat To Floor.....	40.99	
12 01 60 00-0011	EA Remove And Reinstall Existing Seat To Floor.....	49.70	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add	22.90	
12 01 60 00-0012	EA Reupholster Auditorium Seat And Back.....	128.98	
	Note: Includes removal of existing upholstery.		

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds ^(12 21 13 13)

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	8.27	0.68
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	6.77	0.68
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	7.35	0.68
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	8.50	0.68

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds ^(12 21 13 33)

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	7.00	0.68
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	8.10	0.68

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds ^(12 21 16 13)

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	9.65	1.43
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12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds ^(12 21 16 33)

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	6.24	1.43
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	8.72	1.43

12 22 Curtains And Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

12 22 13 00-0001 Lined Draperies ^(12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies.....	127.58	9.46
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	132.47	9.46
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	140.41	9.46
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	143.46	9.46
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	150.78	9.46
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	160.55	9.46
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	166.66	9.46
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	175.20	9.46
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	188.64	9.46

12	Furnishings
12 20	Window Treatments
12 22	Curtains And Drapes



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 22 13 00-0012	>48" To 72" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0013	EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	184.46	12.86
12 22 13 00-0014	EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	195.45	12.86
12 22 13 00-0015	EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	203.99	12.86
12 22 13 00-0016	EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	211.32	12.86
12 22 13 00-0017	EA >81" To 90" Long, >48" To 72" Wide Lined Draperies.....	228.42	12.86
12 22 13 00-0018	EA >90" To 99" Long, >48" To 72" Wide Lined Draperies.....	236.96	12.86
12 22 13 00-0019	EA >99" To 108" Long, >48" To 72" Wide Lined Draperies.....	244.29	12.86
12 22 13 00-0020	EA >108" To 120" Long, >48" To 72" Wide Lined Draperies.....	260.16	12.86
12 22 13 00-0021	EA >120" To 130" Long, >48" To 72" Wide Lined Draperies.....	277.26	12.86
12 22 13 00-0022	>72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023	EA Up To 39" Long, >72" To 96" Wide Lined Draperies.....	243.77	16.26
12 22 13 00-0024	EA >39" To 63" Long, >72" To 96" Wide Lined Draperies.....	259.65	16.26
12 22 13 00-0025	EA >63" To 72" Long, >72" To 96" Wide Lined Draperies.....	266.97	16.26
12 22 13 00-0026	EA >72" To 81" Long, >72" To 96" Wide Lined Draperies.....	284.07	16.26
12 22 13 00-0027	EA >81" To 90" Long, >72" To 96" Wide Lined Draperies.....	299.94	16.26
12 22 13 00-0028	EA >90" To 99" Long, >72" To 96" Wide Lined Draperies.....	315.81	16.26
12 22 13 00-0029	EA >99" To 108" Long, >72" To 96" Wide Lined Draperies.....	324.36	16.26
12 22 13 00-0030	EA >108" To 120" Long, >72" To 96" Wide Lined Draperies.....	341.46	16.26
12 22 13 00-0031	EA >120" To 130" Long, >72" To 96" Wide Lined Draperies.....	364.66	16.26
12 22 13 00-0032	>96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033	EA Up To 39" Long, >96" To 120" Wide Lined Draperies.....	306.75	19.67
12 22 13 00-0034	EA >39" To 63" Long, >96" To 120" Wide Lined Draperies.....	322.62	19.67
12 22 13 00-0035	EA >63" To 72" Long, >96" To 120" Wide Lined Draperies.....	331.17	19.67
12 22 13 00-0036	EA >72" To 81" Long, >96" To 120" Wide Lined Draperies.....	355.59	19.67
12 22 13 00-0037	EA >81" To 90" Long, >96" To 120" Wide Lined Draperies.....	371.47	19.67
12 22 13 00-0038	EA >90" To 99" Long, >96" To 120" Wide Lined Draperies.....	388.56	19.67
12 22 13 00-0039	EA >99" To 108" Long, >96" To 120" Wide Lined Draperies.....	399.68	19.67
12 22 13 00-0040	EA >108" To 120" Long, >96" To 120" Wide Lined Draperies.....	430.08	19.67
12 22 13 00-0041	EA >120" To 130" Long, >96" To 120" Wide Lined Draperies.....	442.29	19.67
12 22 13 00-0042	>120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043	EA Up To 39" Long, >120" To 144" Wide Lined Draperies.....	362.39	23.07
12 22 13 00-0044	EA >39" To 63" Long, >120" To 144" Wide Lined Draperies.....	385.59	23.07
12 22 13 00-0045	EA >63" To 72" Long, >120" To 144" Wide Lined Draperies.....	394.14	23.07
12 22 13 00-0046	EA >72" To 81" Long, >120" To 144" Wide Lined Draperies.....	418.56	23.07
12 22 13 00-0047	EA >81" To 90" Long, >120" To 144" Wide Lined Draperies.....	442.98	23.07
12 22 13 00-0048	EA >90" To 99" Long, >120" To 144" Wide Lined Draperies.....	467.40	23.07
12 22 13 00-0049	EA >99" To 108" Long, >120" To 144" Wide Lined Draperies.....	491.82	23.07
12 22 13 00-0050	EA >108" To 120" Long, >120" To 144" Wide Lined Draperies.....	516.25	23.07
12 22 13 00-0051	EA >120" To 130" Long, >120" To 144" Wide Lined Draperies.....	546.77	23.07
12 22 13 00-0052	>144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053	EA Up To 39" Long, >144" To 168" Wide Lined Draperies.....	425.37	26.48
12 22 13 00-0054	EA >39" To 63" Long, >144" To 168" Wide Lined Draperies.....	449.79	26.48
12 22 13 00-0055	EA >63" To 72" Long, >144" To 168" Wide Lined Draperies.....	468.11	26.48
12 22 13 00-0056	EA >72" To 81" Long, >144" To 168" Wide Lined Draperies.....	492.53	26.48
12 22 13 00-0057	EA >81" To 90" Long, >144" To 168" Wide Lined Draperies.....	516.95	26.48
12 22 13 00-0058	EA >90" To 99" Long, >144" To 168" Wide Lined Draperies.....	547.48	26.48
12 22 13 00-0059	EA >99" To 108" Long, >144" To 168" Wide Lined Draperies.....	571.90	26.48
12 22 13 00-0060	EA >108" To 120" Long, >144" To 168" Wide Lined Draperies.....	596.32	26.48
12 22 13 00-0061	EA >120" To 130" Long, >144" To 168" Wide Lined Draperies.....	639.06	26.48
12 22 13 00-0062	>168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063	EA Up To 39" Long, >168" To 192" Wide Lined Draperies.....	481.02	29.88
12 22 13 00-0064	EA >39" To 63" Long, >168" To 192" Wide Lined Draperies.....	511.55	29.88
12 22 13 00-0065	EA >63" To 72" Long, >168" To 192" Wide Lined Draperies.....	529.87	29.88
12 22 13 00-0066	EA >72" To 81" Long, >168" To 192" Wide Lined Draperies.....	560.39	29.88
12 22 13 00-0067	EA >81" To 90" Long, >168" To 192" Wide Lined Draperies.....	584.81	29.88
12 22 13 00-0068	EA >90" To 99" Long, >168" To 192" Wide Lined Draperies.....	615.34	29.88
12 22 13 00-0069	EA >99" To 108" Long, >168" To 192" Wide Lined Draperies.....	664.18	29.88
12 22 13 00-0070	EA >108" To 120" Long, >168" To 192" Wide Lined Draperies.....	682.50	29.88
12 22 13 00-0071	EA >120" To 130" Long, >168" To 192" Wide Lined Draperies.....	725.23	29.88
12 22 13 00-0072	>192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073	EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	542.78	33.28
12 22 13 00-0074	EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	567.20	33.28
12 22 13 00-0075	EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	591.62	33.28
12 22 13 00-0076	EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	628.25	33.28
12 22 13 00-0077	EA >81" To 90" Long, >192" To 216" Wide Lined Draperies.....	664.89	33.28
12 22 13 00-0078	EA >90" To 99" Long, >192" To 216" Wide Lined Draperies.....	701.52	33.28



Furnishings	12	12
Window Treatments	12 20	
Curtains And Drapes	12 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	732.04	33.28
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	762.57	33.28
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	817.52	33.28
12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	598.43	36.69
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	641.17	36.69
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	659.49	36.69
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	696.12	36.69
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	738.85	36.69
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	775.49	36.69
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	812.12	36.69
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	848.75	36.69
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	909.80	36.69
12 22 16 Drapery Track And Accessories (12 22)		
12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	77.86	32.13
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	85.03	32.13
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	98.31	35.71
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	120.70	35.71
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track.....	128.74	39.28
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	84.73	32.13
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	89.37	32.13
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	109.21	35.71
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	124.41	39.28
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	96.54	32.13
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	110.58	32.13
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	133.78	35.71
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	146.36	39.28
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White.....	4.86	1.36
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	21.42	
Note: Includes storage and cleaning.		
12 23 Interior Shutters (12 20)		
12 23 00 00-0001 Interior Plantation Shutters (12 23)		
Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 00 00-0002 12" Wide (12 23 00 00-0001)		
12 23 00 00-0003 PR 12" x 36" Plantation Shutter.....	200.63	22.89
12 23 00 00-0004 PR 12" x 40" Plantation Shutter.....	223.42	24.04
12 23 00 00-0005 PR 12" x 44" Plantation Shutter.....	244.09	25.17
12 23 00 00-0006 PR 12" x 48" Plantation Shutter.....	264.74	26.32
12 23 00 00-0007 PR 12" x 52" Plantation Shutter.....	285.41	27.46
12 23 00 00-0008 PR 12" x 56" Plantation Shutter.....	306.07	28.61
12 23 00 00-0009 PR 12" x 60" Plantation Shutter.....	307.60	29.76
12 23 00 00-0010 PR 12" x 64" Plantation Shutter.....	347.40	30.90
12 23 00 00-0011 PR 12" x 68" Plantation Shutter.....	368.07	32.04
12 23 00 00-0012 PR 12" x 72" Plantation Shutter.....	388.73	33.18
12 23 00 00-0013 PR 12" x 76" Plantation Shutter.....	409.39	34.33
12 23 00 00-0014 PR 12" x 80" Plantation Shutter.....	430.06	35.47
12 23 00 00-0015 14" Wide (12 23 00 00-0001)		
12 23 00 00-0016 PR 14" x 36" Plantation Shutter.....	209.14	22.89
12 23 00 00-0017 PR 14" x 40" Plantation Shutter.....	231.92	24.04
12 23 00 00-0018 PR 14" x 44" Plantation Shutter.....	252.59	25.17
12 23 00 00-0019 PR 14" x 48" Plantation Shutter.....	273.25	26.32
12 23 00 00-0020 PR 14" x 52" Plantation Shutter.....	296.04	27.46
12 23 00 00-0021 PR 14" x 56" Plantation Shutter.....	316.70	28.61
12 23 00 00-0022 PR 14" x 60" Plantation Shutter.....	337.37	29.76

12	Furnishings
12 20	Window Treatments
12 23	Interior Shutters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0023 PR 14" x 64" Plantation Shutter	360.15	30.90
12 23 00 00-0024 PR 14" x 68" Plantation Shutter	380.82	32.04
12 23 00 00-0025 PR 14" x 72" Plantation Shutter	401.49	33.18
12 23 00 00-0026 PR 14" x 76" Plantation Shutter	424.27	34.33
12 23 00 00-0027 PR 14" x 80" Plantation Shutter	444.94	35.47
12 23 00 00-0028 15" Wide (12 23 00 00-0001)		
12 23 00 00-0029 PR 15" x 36" Plantation Shutter	217.65	22.89
12 23 00 00-0030 PR 15" x 40" Plantation Shutter	240.43	24.04
12 23 00 00-0031 PR 15" x 44" Plantation Shutter	261.10	25.17
12 23 00 00-0032 PR 15" x 48" Plantation Shutter	281.76	26.32
12 23 00 00-0033 PR 15" x 52" Plantation Shutter	304.55	27.46
12 23 00 00-0034 PR 15" x 56" Plantation Shutter	327.33	28.61
12 23 00 00-0035 PR 15" x 60" Plantation Shutter	350.13	29.76
12 23 00 00-0036 PR 15" x 64" Plantation Shutter	372.91	30.90
12 23 00 00-0037 PR 15" x 68" Plantation Shutter	395.71	32.04
12 23 00 00-0038 PR 15" x 72" Plantation Shutter	416.37	33.18
12 23 00 00-0039 PR 15" x 76" Plantation Shutter	439.16	34.33
12 23 00 00-0040 PR 15" x 80" Plantation Shutter	461.95	35.47
12 23 00 00-0041 16" Wide (12 23 00 00-0001)		
12 23 00 00-0042 PR 16" x 36" Plantation Shutter	230.40	22.89
12 23 00 00-0043 PR 16" x 40" Plantation Shutter	255.31	24.04
12 23 00 00-0044 PR 16" x 44" Plantation Shutter	278.11	25.17
12 23 00 00-0045 PR 16" x 48" Plantation Shutter	303.02	26.32
12 23 00 00-0046 PR 16" x 52" Plantation Shutter	325.81	27.46
12 23 00 00-0047 PR 16" x 56" Plantation Shutter	348.60	28.61
12 23 00 00-0048 PR 16" x 60" Plantation Shutter	371.39	29.76
12 23 00 00-0049 PR 16" x 64" Plantation Shutter	398.43	30.90
12 23 00 00-0050 PR 16" x 68" Plantation Shutter	421.22	32.04
12 23 00 00-0051 PR 16" x 72" Plantation Shutter	444.02	33.18
12 23 00 00-0052 PR 16" x 76" Plantation Shutter	468.93	34.33
12 23 00 00-0053 PR 16" x 80" Plantation Shutter	491.72	35.47
12 23 00 00-0054 18" Wide (12 23 00 00-0001)		
12 23 00 00-0055 PR 18" x 36" Plantation Shutter	249.54	22.89
12 23 00 00-0056 PR 18" x 40" Plantation Shutter	274.45	24.04
12 23 00 00-0057 PR 18" x 44" Plantation Shutter	299.37	25.17
12 23 00 00-0058 PR 18" x 48" Plantation Shutter	326.41	26.32
12 23 00 00-0059 PR 18" x 52" Plantation Shutter	351.33	27.46
12 23 00 00-0060 PR 18" x 56" Plantation Shutter	378.37	28.61
12 23 00 00-0061 PR 18" x 60" Plantation Shutter	403.29	29.76
12 23 00 00-0062 PR 18" x 64" Plantation Shutter	428.20	30.90
12 23 00 00-0063 PR 18" x 68" Plantation Shutter	453.12	32.04
12 23 00 00-0064 PR 18" x 72" Plantation Shutter	480.17	33.18
12 23 00 00-0065 PR 18" x 76" Plantation Shutter	505.08	34.33
12 23 00 00-0066 PR 18" x 80" Plantation Shutter	532.13	35.47
12 23 00 00-0067 20" Wide (12 23 00 00-0001)		
12 23 00 00-0068 PR 20" x 36" Plantation Shutter	270.81	22.89
12 23 00 00-0069 PR 20" x 40" Plantation Shutter	299.97	24.04
12 23 00 00-0070 PR 20" x 44" Plantation Shutter	327.02	25.17
12 23 00 00-0071 PR 20" x 48" Plantation Shutter	354.05	26.32
12 23 00 00-0072 PR 20" x 52" Plantation Shutter	383.23	27.46
12 23 00 00-0073 PR 20" x 56" Plantation Shutter	410.26	28.61
12 23 00 00-0074 PR 20" x 60" Plantation Shutter	439.44	29.76
12 23 00 00-0075 PR 20" x 64" Plantation Shutter	466.48	30.90
12 23 00 00-0076 PR 20" x 68" Plantation Shutter	495.65	32.04
12 23 00 00-0077 PR 20" x 72" Plantation Shutter	522.70	33.18
12 23 00 00-0078 PR 20" x 76" Plantation Shutter	551.86	34.33
12 23 00 00-0079 PR 20" x 80" Plantation Shutter	578.91	35.47
12 23 00 00-0080 22" Wide (12 23 00 00-0001)		
12 23 00 00-0081 PR 22" x 36" Plantation Shutter	287.82	22.89
12 23 00 00-0082 PR 22" x 40" Plantation Shutter	319.11	24.04
12 23 00 00-0083 PR 22" x 44" Plantation Shutter	348.28	25.17
12 23 00 00-0084 PR 22" x 48" Plantation Shutter	3,567.08	26.32
12 23 00 00-0085 PR 22" x 52" Plantation Shutter	408.74	27.46
12 23 00 00-0086 PR 22" x 56" Plantation Shutter	437.91	28.61
12 23 00 00-0087 PR 22" x 60" Plantation Shutter	467.08	29.76
12 23 00 00-0088 PR 22" x 64" Plantation Shutter	498.37	30.90
12 23 00 00-0089 PR 22" x 68" Plantation Shutter	527.55	32.04
12 23 00 00-0090 PR 22" x 72" Plantation Shutter	558.85	33.18
12 23 00 00-0091 PR 22" x 76" Plantation Shutter	588.01	34.33
12 23 00 00-0092 PR 22" x 80" Plantation Shutter	619.31	35.47



Furnishings	12	12
Window Treatments	12 20	
Interior Shutters	12 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0093 24" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0094 PR 24" x 36" Plantation Shutter.....	304.83	22.89
12 23 00 00-0095 PR 24" x 40" Plantation Shutter.....	338.25	24.04
12 23 00 00-0096 PR 24" x 44" Plantation Shutter.....	369.55	25.17
12 23 00 00-0097 PR 24" x 48" Plantation Shutter.....	402.96	26.32
12 23 00 00-0098 PR 24" x 52" Plantation Shutter.....	434.26	27.46
12 23 00 00-0099 PR 24" x 56" Plantation Shutter.....	465.55	28.61
12 23 00 00-0100 PR 24" x 60" Plantation Shutter.....	496.85	29.76
12 23 00 00-0101 PR 24" x 64" Plantation Shutter.....	530.27	30.90
12 23 00 00-0102 PR 24" x 68" Plantation Shutter.....	561.57	32.04
12 23 00 00-0103 PR 24" x 72" Plantation Shutter.....	594.99	33.18
12 23 00 00-0104 PR 24" x 76" Plantation Shutter.....	626.28	34.33
12 23 00 00-0105 PR 24" x 80" Plantation Shutter.....	659.71	35.47
12 24 Window Shades <small>(12 20)</small>		
12 24 13 Roller Window Shades <small>(12 24)</small>		
12 24 13 00-0001 Roller Window Shades <small>(12 24 13)</small>		
12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003 SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	10.47	0.45
12 24 13 00-0004 SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	10.47	0.45
12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006 SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	13.40	0.45
12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008 SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	10.47	0.45
12 24 13 00-0009 Motorized Lightproof Shades <small>(12 24 13)</small>		
12 24 13 00-0010 SF Motorized Lightproof Shades, Up To 144" Width.....	19.00	1.79
12 30 Casework <small>(12)</small>		
12 31 Manufactured Metal Casework <small>(12 30)</small>		
12 31 13 Manufactured Metal Panel Casework <small>(12 31)</small>		
12 31 13 00-0001 Stainless Steel Cabinets <small>(12 31 13)</small>		
12 31 13 00-0002 Stainless Steel Base Cabinets <small>(12 31 13 00-0001)</small>		
12 31 13 00-0003 18" Stainless Steel Base Cabinet <small>(12 31 13 00-0002)</small>		
12 31 13 00-0004 EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers.....	1,465.62	171.05
For >5 To 9, Deduct		
For >9, Deduct		
12 31 13 00-0005 EA 18" Stainless Steel Base Cabinet, With 4 Drawers.....	2,419.82	171.05
For >5 To 9, Deduct		
For >9, Deduct		
12 31 13 00-0006 EA 18" Stainless Steel Base Cabinet, With 3 Drawers.....	2,239.77	171.05
For >5 To 9, Deduct		
For >9, Deduct		
12 31 13 00-0007 EA 18" Stainless Steel Base Cabinet, With 2 Drawers.....	2,059.72	171.05
For >5 To 9, Deduct		
For >9, Deduct		
12 31 13 00-0008 EA 18" Stainless Steel Base Cabinet, With Doors And Drawers.....	1,998.62	171.05
For >5 To 9, Deduct		
For >9, Deduct		
12 31 13 00-0009 24" Stainless Steel Base Cabinet <small>(12 31 13 00-0002)</small>		
12 31 13 00-0010 EA 24" Stainless Steel Base Cabinet, With Doors And Locks.....	2,141.23	184.87
For >5 To 9, Deduct		
For >9, Deduct		
12 31 13 00-0011 EA 24" Stainless Steel Base Cabinet, With Door, No Locks.....	1,921.53	184.87
For >5 To 9, Deduct		
For >9, Deduct		
12 31 13 00-0012 EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks.....	1,969.63	184.87
For >5 To 9, Deduct		
For >9, Deduct		

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31	13 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,193.23	184.87
			<i>For >5 To 9, Deduct</i>	-95.72	
			<i>For >9, Deduct</i>	-191.44	
12 31	13 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,871.18	184.87
			<i>For >5 To 9, Deduct</i>	-131.31	
			<i>For >9, Deduct</i>	-262.62	
12 31	13 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	3,161.73	184.87
			<i>For >5 To 9, Deduct</i>	-146.56	
			<i>For >9, Deduct</i>	-293.13	
12 31	13 00-0016		30" Stainless Steel Base Cabinet <small>(12 31 13 00-0002)</small>		
12 31	13 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,872.94	194.81
			<i>For >5 To 9, Deduct</i>	-77.88	
			<i>For >9, Deduct</i>	-155.76	
12 31	13 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,754.34	194.81
			<i>For >5 To 9, Deduct</i>	-124.16	
			<i>For >9, Deduct</i>	-248.31	
12 31	13 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks.....	3,564.89	194.81
			<i>For >5 To 9, Deduct</i>	-166.71	
			<i>For >9, Deduct</i>	-333.42	
12 31	13 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,274.34	194.81
			<i>For >5 To 9, Deduct</i>	-151.46	
			<i>For >9, Deduct</i>	-302.91	
12 31	13 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	3,094.29	194.81
			<i>For >5 To 9, Deduct</i>	-142.00	
			<i>For >9, Deduct</i>	-284.01	
12 31	13 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks.....	2,363.69	194.81
			<i>For >5 To 9, Deduct</i>	-103.65	
			<i>For >9, Deduct</i>	-207.29	
12 31	13 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	2,341.59	194.81
			<i>For >5 To 9, Deduct</i>	-102.49	
			<i>For >9, Deduct</i>	-204.97	
12 31	13 00-0024		36" Stainless Steel Base Cabinet <small>(12 31 13 00-0002)</small>		
12 31	13 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,073.62	202.55
			<i>For >5 To 9, Deduct</i>	-87.58	
			<i>For >9, Deduct</i>	-175.15	
12 31	13 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	2,542.92	202.55
			<i>For >5 To 9, Deduct</i>	-112.22	
			<i>For >9, Deduct</i>	-224.43	
12 31	13 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock.....	2,370.02	202.55
			<i>For >5 To 9, Deduct</i>	-103.14	
			<i>For >9, Deduct</i>	-206.28	
12 31	13 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,763.62	202.55
			<i>For >5 To 9, Deduct</i>	-176.30	
			<i>For >9, Deduct</i>	-352.60	
12 31	13 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	3,473.72	202.55
			<i>For >5 To 9, Deduct</i>	-161.08	
			<i>For >9, Deduct</i>	-322.16	
12 31	13 00-0030		42" Stainless Steel Base Cabinet <small>(12 31 13 00-0002)</small>		
12 31	13 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,175.92	215.26
			<i>For >5 To 9, Deduct</i>	-91.63	
			<i>For >9, Deduct</i>	-183.26	
12 31	13 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,969.27	215.26
			<i>For >5 To 9, Deduct</i>	-185.78	
			<i>For >9, Deduct</i>	-371.56	
12 31	13 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,678.72	215.26
			<i>For >5 To 9, Deduct</i>	-170.53	
			<i>For >9, Deduct</i>	-341.06	
12 31	13 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,377.77	215.26
			<i>For >5 To 9, Deduct</i>	-154.73	
			<i>For >9, Deduct</i>	-309.46	
12 31	13 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock.....	2,576.32	215.26
			<i>For >5 To 9, Deduct</i>	-112.65	
			<i>For >9, Deduct</i>	-225.30	
12 31	13 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock.....	2,746.62	215.26
			<i>For >5 To 9, Deduct</i>	-121.59	
			<i>For >9, Deduct</i>	-243.19	
12 31	13 00-0037		48" Stainless Steel Base Cabinet <small>(12 31 13 00-0002)</small>		
12 31	13 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,164.94	220.23
			<i>For >5 To 9, Deduct</i>	-195.55	
			<i>For >9, Deduct</i>	-391.10	
12 31	13 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,875.04	220.23
			<i>For >5 To 9, Deduct</i>	-180.33	
			<i>For >9, Deduct</i>	-360.66	
12 31	13 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,371.59	220.23
			<i>For >5 To 9, Deduct</i>	-101.40	
			<i>For >9, Deduct</i>	-202.80	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31	13 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	3,574.09 -164.53 -329.06	220.23
12 31	13 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,944.24 -131.46 -262.93	220.23
12 31	13 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,897.44 -129.01 -258.01	220.23
12 31	13 00-0044		60" Stainless Steel Base Cabinet <small>(12 31 13 00-0002)</small>		
12 31	13 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,863.57 -126.52 -253.04	226.94
12 31	13 00-0046		Stainless Steel Wall Cabinets <small>(12 31 13 00-0001)</small>		
12 31	13 00-0047		12" Wide Stainless Steel Wall Cabinets <small>(12 31 13 00-0046)</small>		
12 31	13 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,159.91 -54.06 -108.11	65.12
12 31	13 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,153.92 -53.33 -106.65	69.07
12 31	13 00-0050		18" Wide Stainless Steel Wall Cabinets <small>(12 31 13 00-0046)</small>		
12 31	13 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,215.30 -56.45 -112.89	70.02
12 31	13 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,144.45 -52.73 -105.45	70.02
12 31	13 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,344.65 -62.59 -125.19	76.17
12 31	13 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,301.10 -60.31 -120.61	76.17
12 31	13 00-0055		24" Wide Stainless Steel Wall Cabinets <small>(12 31 13 00-0046)</small>		
12 31	13 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,002.03 -44.47 -88.94	77.51
12 31	13 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,372.53 -63.92 -127.84	77.51
12 31	13 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,302.33 -60.24 -120.47	77.51
12 31	13 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,292.34 -60.24 -120.48	72.38
12 31	13 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,217.59 -56.32 -112.63	72.38
12 31	13 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,567.94 -74.71 -149.42	72.38
12 31	13 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	917.29 -40.55 -81.10	72.38
12 31	13 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	863.37 -38.07 -76.15	69.07
12 31	13 00-0064		30" Wide Stainless Steel Wall Cabinets <small>(12 31 13 00-0046)</small>		
12 31	13 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,787.95 -85.22 -170.44	82.33
12 31	13 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,617.65 -76.28 -152.56	82.33
12 31	13 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,076.20 -47.85 -95.71	82.33
12 31	13 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,701.77 -81.38 -162.77	75.78

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 13 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,531.47	75.78
			<i>For >5 To 9, Deduct</i>	-72.44	
			<i>For >9, Deduct</i>	-144.89	
12 31 13 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	990.02	75.78
			<i>For >5 To 9, Deduct</i>	-44.02	
			<i>For >9, Deduct</i>	-88.03	
12 31 13 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	935.90	72.22
			<i>For >5 To 9, Deduct</i>	-41.55	
			<i>For >9, Deduct</i>	-83.11	
12 31 13 00-0072			36" Wide Stainless Steel Wall Cabinets (12 31 13 00-0046)		
12 31 13 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,859.75	84.70
			<i>For >5 To 9, Deduct</i>	-88.74	
			<i>For >9, Deduct</i>	-177.49	
12 31 13 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,685.55	84.70
			<i>For >5 To 9, Deduct</i>	-79.60	
			<i>For >9, Deduct</i>	-159.20	
12 31 13 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,148.00	84.70
			<i>For >5 To 9, Deduct</i>	-51.38	
			<i>For >9, Deduct</i>	-102.75	
12 31 13 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,772.93	77.51
			<i>For >5 To 9, Deduct</i>	-84.94	
			<i>For >9, Deduct</i>	-169.88	
12 31 13 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,603.28	77.51
			<i>For >5 To 9, Deduct</i>	-76.04	
			<i>For >9, Deduct</i>	-152.07	
12 31 13 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,061.18	77.51
			<i>For >5 To 9, Deduct</i>	-47.58	
			<i>For >9, Deduct</i>	-95.15	
12 31 13 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,008.28	73.81
			<i>For >5 To 9, Deduct</i>	-45.18	
			<i>For >9, Deduct</i>	-90.37	
12 31 13 00-0080			42" Wide Stainless Steel Wall Cabinets (12 31 13 00-0046)		
12 31 13 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,941.59	106.57
			<i>For >5 To 9, Deduct</i>	-90.75	
			<i>For >9, Deduct</i>	-181.51	
12 31 13 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,947.62	100.56
			<i>For >5 To 9, Deduct</i>	-91.70	
			<i>For >9, Deduct</i>	-183.39	
12 31 13 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,774.72	100.56
			<i>For >5 To 9, Deduct</i>	-82.62	
			<i>For >9, Deduct</i>	-165.24	
12 31 13 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,234.57	100.56
			<i>For >5 To 9, Deduct</i>	-54.26	
			<i>For >9, Deduct</i>	-108.52	
12 31 13 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,840.66	84.46
			<i>For >5 To 9, Deduct</i>	-87.77	
			<i>For >9, Deduct</i>	-175.53	
12 31 13 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,669.06	84.46
			<i>For >5 To 9, Deduct</i>	-78.76	
			<i>For >9, Deduct</i>	-157.52	
12 31 13 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,128.91	84.46
			<i>For >5 To 9, Deduct</i>	-50.40	
			<i>For >9, Deduct</i>	-100.80	
12 31 13 00-0088			48" Wide Stainless Steel Wall Cabinets (12 31 13 00-0046)		
12 31 13 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks.....	1,702.49	106.57
			<i>For >5 To 9, Deduct</i>	-77.98	
			<i>For >9, Deduct</i>	-155.95	
12 31 13 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,018.04	102.78
			<i>For >5 To 9, Deduct</i>	-95.15	
			<i>For >9, Deduct</i>	-190.31	
12 31 13 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,847.74	102.78
			<i>For >5 To 9, Deduct</i>	-86.21	
			<i>For >9, Deduct</i>	-172.43	
12 31 13 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,306.29	102.78
			<i>For >5 To 9, Deduct</i>	-57.79	
			<i>For >9, Deduct</i>	-115.58	
12 31 13 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,911.03	85.25
			<i>For >5 To 9, Deduct</i>	-91.37	
			<i>For >9, Deduct</i>	-182.74	
12 31 13 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,741.38	85.25
			<i>For >5 To 9, Deduct</i>	-82.47	
			<i>For >9, Deduct</i>	-164.93	
12 31 13 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,199.28	85.25
			<i>For >5 To 9, Deduct</i>	-54.01	
			<i>For >9, Deduct</i>	-108.01	
12 31 13 00-0096			Accessories (12 31 13 00-0001)		



		Furnishings	12
		Casework	12 30
		Manufactured Metal Casework	12 31

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 31	13 00-0097		Stainless Steel Countertops <small>(12 31 13 00-0096)</small> Note: 16 gauge countertops without sinks.		
12 31	13 00-0098	SF	Stainless Steel Countertop With Marine Edge and Splash Note: 16 gauge.	102.30	4.34
12 31	13 00-0099	SF	Stainless Steel Countertop Without Marine Edge and With Splash Note: 16 gauge.	95.15	4.34
12 31	13 00-0100	SF	Stainless Steel Countertop Without Marine Edge or Splash Note: 16 gauge.	88.65	4.34
12 31	13 00-0101		Stainless Steel Wall Panels <small>(12 31 13 00-0096)</small>		
12 31	13 00-0102	SF	Stainless Steel Wall Panel, 20 Gauge	27.59	6.47
12 31	13 00-0103		Pedestal Legs <small>(12 31 13 00-0096)</small>		
12 31	13 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	254.61	9.87
12 31	13 00-0105		Stainless Steel Slanted Cabinet Top Enclosure <small>(12 31 13 00-0096)</small>		
12 31	13 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	275.90	18.91

12 35 Specialty Casework (12 30)

12 35 70 Healthcare Casework (12 35)

12 35 70 13 Hospital Casework (12 35 70)

12 35 70 13-0001 Modular Casework (12 35 70 13)

Note: Midmark.					
12 35	70 13-0002	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-243624	470.46	68.08
12 35	70 13-0003	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-363624	583.78	85.09
12 35	70 13-0004	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-243624	800.28	68.08
12 35	70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-363624	921.51	85.09
12 35	70 13-0006	EA	36" High Base Storage Unit, 1 Door; Midmark MC-SBP006-243624	529.17	68.08
12 35	70 13-0007	EA	36" High Base Storage Unit, 2 Doors; Midmark MC-SBP007-363624	709.11	85.09
12 35	70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-153624	531.15	68.08
12 35	70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-183624	570.07	68.08
12 35	70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-213624	603.71	68.08
12 35	70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-303624	754.62	85.09
12 35	70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-363624	765.84	85.09
12 35	70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-243624	704.63	68.08
12 35	70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-303624	820.59	85.09
12 35	70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-363624	845.00	85.09
12 35	70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-123624	619.54	68.08
12 35	70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-153624	636.69	68.08
12 35	70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-183624	680.89	68.08
12 35	70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-303624	1,124.68	85.09
12 35	70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-363624	1,186.69	85.09
12 35	70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-153624	792.36	68.08
12 35	70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-183624	837.88	68.08
12 35	70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-213624	916.38	68.08
12 35	70 13-0024	EA	84" High Tall Storage Unit, 2 Doors; Midmark MC-STP032-368424	1,634.32	204.22
12 35	70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors; Midmark MC-STP081-248424	1,507.01	204.22
12 35	70 13-0026	EA	Desk Filler Panel; Midmark MC-SDA003-060501	64.50	17.01
12 35	70 13-0027	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-123014	349.09	68.08
12 35	70 13-0028	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-153014	343.15	68.08
12 35	70 13-0029	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-183014	364.26	68.08
12 35	70 13-0030	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-213014	392.62	68.08
12 35	70 13-0031	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-243014	424.95	68.08
12 35	70 13-0032	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-303014	488.79	85.09
12 35	70 13-0033	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-363014	527.71	85.09
12 35	70 13-0034	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-303014	641.17	85.09
12 35	70 13-0035	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-363014	709.77	85.09
12 35	70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	87.21	11.35
12 35	70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	169.04	15.12

12 36 Countertops (12 30)

12 36 23 Plastic Countertops (12 36)

12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)

12 36 23 13-0001 Plastic Laminate Countertops (12 36 23 13)

12 36	23 13-0002	EA	Field Cutout For Sinks And Lavatories	63.01	
12 36	23 13-0003	SF	Plastic Laminate Counter Top	14.69	3.78
				2.85	
<i>For Square Edge Instead Of Rolled Drip Edge, Add</i>					
<i>For Plywood Base Instead Of Particle Board, Add</i>				1.07	

12 Furnishings**12 30 Casework****12 36 Countertops**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 23 13-0004	LF		Plastic Laminate Counter Top With Backsplash, Up To 26" Deep..... <i>For Square Edge Instead Of Rolled Drip Edge, Add</i> <i>For Plywood Base Instead Of Particle Board, Add</i>	32.12 5.89 2.21	7.56
12 36 23 13-0005	LF		Plastic Laminated Counter Top Custom Made With Backsplash..... <i>Note: Up to 26" deep.</i> <i>For Square Edge Instead Of Rolled Drip Edge, Add</i> <i>For Plywood Base Instead Of Particle Board, Add</i>	39.93 5.89 2.21	11.35
12 36 23 13-0006	LF		Plastic Laminated Backsplash..... <i>For Plywood Base Instead Of Particle Board, Add</i>	7.24 0.20	4.54
12 36 23 13-0007	EA		For End Splash..... <i>For Plywood Base Instead Of Particle Board, Add</i>	29.12 3.01	4.54

12 36 61 Simulated Stone Countertops (12 36)**12 36 61 16 Solid Surfacing Countertops (12 36 61)****12 36 61 16-0001 Solid Polyester Countertops (12 36 61 16)****12 36 61 16-0002 Solid Polyester Countertop And Backsplash, Group B Colors (12 36 61 16-0001)**

Note: May be used for wall applications.

12 36 61 16-0003	SF		1/4" Solid Polyester (Corian) Backsplash..... <i>Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.</i> <i>For Group A Color Material, Deduct</i> <i>For Group C Color Material, Add</i> <i>For Group D Color Material, Add</i>	19.99 -3.57 1.43 3.93	5.04
12 36 61 16-0004	SF		1/2" Solid Polyester (Corian) Countertop..... <i>Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).</i> <i>For Group A Color Material, Deduct</i> <i>For Group C Color Material, Add</i> <i>For Group D Color Material, Add</i> <i>For Each LF Of Half Round Edge, Add</i> <i>For Each LF Of Ogee Or Full Round Edge, Add</i> <i>For Each LF Of Machining A Cove At Backsplash, Add</i> <i>For Each Sink, Range Or Vanity Cutout, Add</i> <i>For 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add</i> <i>For 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add</i> <i>For 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add</i> <i>For 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add</i> <i>For 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add</i> <i>For 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add</i> <i>For 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add</i> <i>For 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add</i> <i>For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add</i> <i>Note: Single or double bowl.</i> <i>For >1.5 To 2.5 SF Integral Single Basin Kitchen Sink, Add</i> <i>Note: Single or double bowl.</i> <i>For >2.5 To 3 SF Integral Single Basin Kitchen Sink, Add</i> <i>Note: Single or double bowl.</i> <i>For >3 SF Integral Single Basin Kitchen Sink, Add</i> <i>Note: Single or double bowl.</i> <i>For >3 SF Integral Double Basin Kitchen Sink, Add</i>	39.99 -7.14 2.86 7.85 8.00 12.00 10.00 15.00 211.38 311.57 211.53 212.29 311.57 311.57 311.57 311.57 452.84 509.44 566.05 707.56 849.08	7.56

12 40 Furnishings And Accessories (12)**12 48 Rugs And Mats (12 40)****12 48 13 Entrance Floor Mats And Frames (12 48)****12 48 13 13 Entrance Floor Mats (12 48 13)****12 48 13 13-0001 Floor Mats (12 48 13 13)**

12 48 13 13-0002	SF		3/8" Thick Solid Recessable Floor Mat..... <i>For Colors, Add</i>	12.02 1.69	1.79
12 48 13 13-0003	SF		1/2" Thick Solid Recessable Floor Mat..... <i>For Colors, Add</i>	14.62 2.21	1.79
12 48 13 13-0004	SF		3/8" Thick Perforated Recessable Floor Mat..... <i>For Colors, Add</i>	12.67 1.82	1.79
12 48 13 13-0005	SF		1/2" Thick Perforated Recessable Floor Mat..... <i>For Colors, Add</i>	15.27 2.34	1.79

12 48 13 13-0006 Link Mats (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF		3/8" Link Mats, Aluminum.....	14.71	1.79
12 48 13 13-0008	SF		Black Rubber Link Mats With Galvanized Tie Rods.....	12.51	1.79
12 48 13 13-0009	SF		3/8" Thick, Galvanized Steel Link Mats.....	12.96	1.79
12 48 13 13-0010	SF		Vinyl Link Mats, Color.....	13.47	1.79
12 48 13 13-0011	LF		Rubber Nosing.....	3.87	0.78

12 48 13 13-0012 Duckboard (12 48 13 13)



Furnishings	12
Furnishings And Accessories	12 40
Rugs And Mats	12 48

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 13-0013 SF Aluminum Slats.....	20.46	1.96
12 48 13 13-0014 SF Hardwood Strips On Rubber Base.....	12.55	1.96
12 48 13 13-0015 SF Assembled With Brass Rods And Vinyl Spacers.....	13.82	1.96
12 48 13 13-0016 SF Tire Fabric, 3/4" Thick.....	11.57	1.96
12 48 13 13-0017 SF Vinyl, 36" Wide, Hollow Top And Bottom.....	6.40	1.96
12 48 13 13-0018 SF Vinyl, 36" Wide, Solid Top And Bottom.....	8.36	1.96

12 48 13 16 Entrance Floor Mat Frames (12 48 13)

12 48 13 16-0001 Recessed Frames (12 48 13 16)		
12 48 13 16-0002 LF Aluminum Recessed Frame.....	11.30	3.02
12 48 13 16-0003 LF Bronze Recessed Frame.....	15.96	3.02

12 50 Furniture (12)

12 55 Detention Furniture (12 50)

12 55 13 Detention Bunks (12 55)

12 55 13 00-0001 Wall Mounted Single Bunks (12 55 13)		
Note: 14 Gauge center pan, 7 gauge bracket, painted.		
12 55 13 00-0002 EA 27" Wide x 80" Long x 12" High Wall Mounted Bunk.....	289.68	63.54
12 55 13 00-0003 EA 32" Wide x 80" Long x 12" High Wall Mounted Bunk.....	323.90	63.54
12 55 13 00-0004 EA 38" Wide x 80" Long x 12" High Wall Mounted Bunk.....	347.86	63.54

12 55 13 00-0005 Floor Supported Single Bunks (12 55 13)		
Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006 EA 27" Wide x 80" Long x 12" High Floor Mounted Bunk.....	289.68	63.54
12 55 13 00-0007 EA 32" Wide x 80" Long x 12" High Floor Mounted Bunk.....	323.90	63.54
12 55 13 00-0008 EA 38" Wide x 80" Long x 12" High Floor Mounted Bunk.....	347.86	63.54
12 55 13 00-0009 EA Floor Mounted Single Bunk, 75" x 27" x 16"H, Up To 20.....	530.92	84.02
12 55 13 00-0010 EA Floor Mounted Single Bunk, 75" x 27" x 16"H, Over 20.....	458.34	84.02

12 55 13 00-0011 Floor Mounted Single Bunks (12 55 13)		
Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0012 EA 27" Wide x 80" Long x 16" High Floor Mounted Bunk.....	289.68	63.54
12 55 13 00-0013 EA 32" Wide x 80" Long x 16" High Floor Mounted Bunk.....	323.90	63.54
12 55 13 00-0014 EA 38" Wide x 80" Long x 16" High Floor Mounted Bunk.....	347.86	63.54

12 55 13 00-0015 Single Stackable Bunks (12 55 13)		
Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0016 EA 26" Wide x 76" Long x 32" High Stackable Bunk.....	296.53	63.54
12 55 13 00-0017 EA 31" Wide x 76" Long x 32" High Stackable Bunk.....	306.79	63.54

12 55 13 00-0018 Double Bunks (12 55 13)		
Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0019 EA 27" Wide x 80" Long x 52" High Double Bunk.....	503.14	84.73
12 55 13 00-0020 EA 32" Wide x 80" Long x 52" High Double Bunk.....	509.98	84.73
12 55 13 00-0021 EA 38" Wide x 80" Long x 52" High Double Bunk.....	539.07	84.73
12 55 13 00-0022 EA Double Bunk Bed, 75" x 27", Up To 20.....	832.65	126.03
12 55 13 00-0023 EA Double Bunk Bed, 75" x 27", Over 20.....	760.07	126.03

12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/Beds (12 55 13)		
Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025 EA 16" Long x 15" Wide x 7.75" Deep Non Removable Storage Drawer.....	130.27	31.77
12 55 13 00-0026 EA 24" Long x 23" Wide x 10" Deep Non Removable Storage Drawer.....	202.95	33.89

12 55 13 00-0027 Expanded Metal Convertible Beds (12 55 13)		
Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028 EA 27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	297.28	63.54
12 55 13 00-0029 EA 32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	311.47	63.54
12 55 13 00-0030 EA 38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	325.65	63.54
12 55 13 00-0031 EA Adapter Kit For Converting Single Bed To Double Deck.....	42.45	

12 55 16 Detention Desks (12 55)

12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat (12 55 16)		
Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top.....	529.57	67.78
12 55 16 00-0003 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top.....	656.92	67.78

12 Furnishings**12 50 Furniture****12 55 Detention Furniture**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 55 16 00-0004	Institutional Desk And Seat <small>(12 55 16)</small>		
12 55 16 00-0005	EA Institutional Desk And Seat, Up To 20	676.06	84.02
12 55 16 00-0006	EA Institutional Desk And Seat, Over 20	603.49	84.02
12 55 16 00-0007	EA Institutional Desk, Up To 20	603.49	84.02
12 55 16 00-0008	EA Institutional Desk, Over 20	530.92	84.02

12 55 19 Detention Stools (12 55)

12 55 19 00-0001	Heavy Duty Steel Bench <small>(12 55 19)</small>		
	Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002	EA 48" Long x 18" High x 12" Wide Steel Bench	271.13	50.83
12 55 19 00-0003	EA 72" Long x 18" High x 12" Wide Steel Bench	324.08	55.07
12 55 19 00-0004	EA 96" Long x 18" High x 12" Wide Steel Bench	358.14	59.30

12 55 19 00-0005 Stationary Stools (12 55 19)

	Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006	EA 12" Diameter Stainless Steel Stationary Stool, 18" High	175.44	50.83
12 55 19 00-0007	EA Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	186.39	33.61
12 55 19 00-0008	EA Floor Mounted Stool, 8" x 8" x 20"H, Over 20	198.07	33.61
12 55 19 00-0009	EA Wall Mounted Swivel Stool, Up To 20	258.20	42.01
12 55 19 00-0010	EA Wall Mounted Swivel Stool, Over 20	214.66	42.01

12 55 19 00-0011 Cell Bench (12 55 19)

	Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012	EA 48" Long x 12" Wide Cell Bench, Red Oak	311.16	50.92
12 55 19 00-0013	EA 72" Long x 12" Wide Cell Bench, Red Oak	374.63	55.07
12 55 19 00-0014	EA 96" Long x 12" Wide Cell Bench, Red Oak	414.75	59.30

12 55 23 Detention Tables (12 55)

12 55 23 00-0001	Wall Mounted Table And Seat Set <small>(12 55 23)</small>		
	Note: 7 Gauge steel, painted.		
12 55 23 00-0002	EA 18" x 12" Wall Mounted Table And Seat Set	151.51	36.00

12 55 23 00-0003 Heavy Duty Picnic Style Table (12 55 23)

	Note: 10 Gauge steel, painted.		
12 55 23 00-0004	EA 48" Long x 50" Wide x 30" High Steel Picnic - Style Table	683.20	63.54
12 55 23 00-0005	EA 72" Long x 50" Wide x 30" High Steel Picnic - Style Table	862.76	67.78
12 55 23 00-0006	EA 96" Long x 50" Wide x 30" High Steel Picnic - Style Table	961.04	74.13
12 55 23 00-0007	EA Picnic Table, 72" x 24" Up To 20	1,238.70	113.43
12 55 23 00-0008	EA Picnic Table, 72" x 24" Over 20	1,093.55	113.43

12 55 23 00-0009 Heavy Duty Picnic Style Table (12 55 23)

	Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0010	EA 48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	802.88	63.54
12 55 23 00-0011	EA 72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,121.05	67.78
12 55 23 00-0012	EA 96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,190.09	74.13

12 55 23 00-0013 Heavy Duty Pedestal Style Table (12 55 23)

	Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0014	EA 24" Long x 59" Wide x 30" High Steel Pedestal Table	602.08	52.96
12 55 23 00-0015	EA 65" Long x 65" Wide x 30" High Steel Pedestal Table	961.30	57.19
12 55 23 00-0016	EA 65" Long x 87" Wide x 30" High Steel Pedestal Table	1,410.37	63.54
12 55 23 00-0017	EA 12" Diameter Stainless Steel Replacement Seats	38.38	8.47

12 55 23 00-0018 Heavy Duty Pedestal Style Table (12 55 23)

	Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0019	EA 24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	528.24	52.96
12 55 23 00-0020	EA 65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	874.58	57.19
12 55 23 00-0021	EA 65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	1,247.74	63.54
12 55 23 00-0022	EA 12" Diameter Gray-Primed Steel Replacement Seats	29.96	8.47
12 55 23 00-0023	EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,059.94	96.62
12 55 23 00-0024	EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	914.79	96.62
12 55 23 00-0025	EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,367.05	105.02
12 55 23 00-0026	EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,221.90	105.02
12 55 23 00-0027	EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,964.45	113.43
12 55 23 00-0028	EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,674.15	113.43

12 55 26 Detention Safety Clothes Hooks (12 55)



Furnishings	12	12
Furniture	12 50	
Detention Furniture	12 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 26 00-0001 EA Collapsible Clothes Hook, Screw Type.....	58.34	15.79
12 55 26 00-0002 EA Collapsible Clothes Hook, Weld-On Type.....	57.57	16.94
12 55 26 00-0003 EA 8" x 18" Storage Shelf.....	309.29	33.89
Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004 EA Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20.....	212.36	33.61
12 55 26 00-0005 EA Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20.....	176.07	33.61
12 55 26 00-0006 EA Safety Clothes Hook, Up To 20.....	88.61	18.91
12 55 26 00-0007 EA Safety Clothes Hook, Over 20.....	103.05	18.91
12 55 86 Detention Control Room Furniture (12 55)		
12 55 86 00-0001 EA TV Wall Mount, 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm.....	169.78	59.20
12 55 86 00-0002 EA Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20.....	416.33	63.01
12 55 86 00-0003 EA Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20.....	380.04	63.01
12 55 86 00-0004 EA Speaking Device With 6" Diameter Stainless Steel Cover Plates.....	921.31	25.20
Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005 EA 1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks.....	404.89	21.00
12 55 86 00-0006 LF 20" Depth, 10 Gauge Steel, Wall Mounted Bench.....	199.38	12.60
12 55 86 00-0007 LF 20" Depth, 10 Gauge Steel, Floor Mounted Bench.....	238.72	10.50
12 59 Systems Furniture (12 50)		
12 59 13 Panel-Hung Component System Furniture (12 59)		
12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)		
Note: Excludes electrical wire and wiring devices. See CSI section 26 05 19 13-0001 for wire, 26 05 19 16-0011 for wire, 26 27 26 00-0000 for wiring devices.		
12 59 13 00-0002 EA 34H 24W Fabric Covered Panel - Component Systems Furniture.....	160.85	18.28
For Tackable Acoustical Barrier Panel, Add		26.49
For Acoustical Panel, Add		28.79
For Enameled Surface, Deduct		-11.52
12 59 13 00-0003 EA 34H 30W Fabric Covered Panel - Component Systems Furniture.....	178.77	20.35
For Tackable Acoustical Barrier Panel, Add		29.44
For Acoustical Panel, Add		32.00
For Enameled Surface, Deduct		-12.80
12 59 13 00-0004 EA 34H 36W Fabric Covered Panel - Component Systems Furniture.....	191.16	21.67
For Tackable Acoustical Barrier Panel, Add		31.48
For Acoustical Panel, Add		34.22
For Enameled Surface, Deduct		-13.69
12 59 13 00-0005 EA 34H 48W Fabric Covered Panel - Component Systems Furniture.....	214.19	24.34
For Tackable Acoustical Barrier Panel, Add		35.28
For Acoustical Panel, Add		38.34
For Enameled Surface, Deduct		-15.34
12 59 13 00-0006 EA 42H 24W Fabric Covered Panel - Component Systems Furniture.....	163.41	18.55
For Tackable Acoustical Barrier Panel, Add		26.91
For Acoustical Panel, Add		29.25
For Enameled Surface, Deduct		-11.70
12 59 13 00-0007 EA 42H 30W Fabric Covered Panel - Component Systems Furniture.....	184.73	20.95
For Tackable Acoustical Barrier Panel, Add		30.42
For Acoustical Panel, Add		33.07
For Enameled Surface, Deduct		-13.23
12 59 13 00-0008 EA 42H 36W Fabric Covered Panel - Component Systems Furniture.....	206.92	23.54
For Tackable Acoustical Barrier Panel, Add		34.08
For Acoustical Panel, Add		37.04
For Enameled Surface, Deduct		-14.82
12 59 13 00-0009 EA 42H 48W Fabric Covered Panel - Component Systems Furniture.....	243.20	27.59
For Tackable Acoustical Barrier Panel, Add		40.05
For Acoustical Panel, Add		43.54
For Enameled Surface, Deduct		-17.41
12 59 13 00-0010 EA 62H 12W Fabric Covered Panel - Component Systems Furniture.....	157.44	17.89
For Tackable Acoustical Barrier Panel, Add		25.93
For Acoustical Panel, Add		28.18
For Enameled Surface, Deduct		-11.27
12 59 13 00-0011 EA 62H 24W Fabric Covered Panel - Component Systems Furniture.....	193.70	22.01
For Tackable Acoustical Barrier Panel, Add		31.90
For Acoustical Panel, Add		34.68
For Enameled Surface, Deduct		-13.87
12 59 13 00-0012 EA 62H 36W Fabric Covered Panel - Component Systems Furniture.....	242.36	27.53
For Tackable Acoustical Barrier Panel, Add		39.91
For Acoustical Panel, Add		43.38
For Enameled Surface, Deduct		-17.35
12 59 13 00-0013 EA 62H 48W Fabric Covered Panel - Component Systems Furniture.....	290.12	32.91
For Tackable Acoustical Barrier Panel, Add		47.78
For Acoustical Panel, Add		51.94
For Enameled Surface, Deduct		-20.78
12 59 13 00-0014 EA 34" Draw Rod Panel Connector Hardware.....	8.79	0.99
12 59 13 00-0015 EA 42" Draw Rod Panel Connector Hardware.....	8.79	0.99
12 59 13 00-0016 EA 62" Draw Rod Panel Connector Hardware.....	9.37	1.06
12 59 13 00-0017 EA 34" Two-Way 90 Degree Panel Connector Hardware.....	40.41	4.59
12 59 13 00-0018 EA 42" Two-Way 90 Degree Panel Connector Hardware.....	46.85	5.32
12 59 13 00-0019 EA 62" Two-Way 90 Degree Panel Connector Hardware.....	53.88	6.12
12 59 13 00-0020 EA 34" Three-Way 90 Degree Panel Connector Hardware.....	62.67	7.11
12 59 13 00-0021 EA 42" Three-Way 90 Degree Panel Connector Hardware.....	72.62	8.25

12 Furnishings

12 50 Furniture

12 59 Systems Furniture

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	84.33	9.57
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	79.06	8.98
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	92.53	10.50
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	111.26	12.63
12 59 13 00-0026	EA	34" Panel End Cap Hardware	13.46	1.52
12 59 13 00-0027	EA	42" Panel End Cap Hardware	15.22	1.73
12 59 13 00-0028	EA	62" Panel End Cap Hardware	16.40	1.87
12 59 13 00-0029	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	14.86	1.73
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	7.65	0.86
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	8.06	0.93
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	9.34	1.06
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	7.65	0.86
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	15.71	1.80
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	17.84	2.00
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	18.26	2.06
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	20.38	2.33
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	22.92	2.59
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	123.30	13.97
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	151.89	17.22
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	143.36	16.29
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	179.22	20.35
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	180.91	20.55
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	227.85	25.93
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	219.72	24.93
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	276.03	31.31
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	490.36	55.72
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	535.89	60.90
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	58.88	6.71
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	66.98	7.57
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	75.09	8.51
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	93.43	10.63
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	112.20	12.76
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	196.28	22.27
12 59 13 00-0055	EA	Transaction Surface Support	15.54	1.77
12 59 13 00-0056	EA	Plastic Pencil Drawer	16.85	1.73
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	57.33	6.51
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	62.41	7.04
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	66.66	7.57
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	98.92	11.24
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	115.48	13.16
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	132.46	15.03
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	340.96	38.53
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	360.10	40.69
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	379.97	42.94
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	415.57	46.96
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	154.56	17.56
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	24.19	2.79
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	195.26	22.20
12 59 13 00-0070	EA	File Drawer Organizer	62.85	7.11
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	13.59	1.52
12 59 13 00-0072	EA	Utility Task Light	67.93	7.72

12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	22.84	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	25.39	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	27.15	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	30.42	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	23.22	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	26.25	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	29.40	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	34.54	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	22.36	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	27.52	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	34.42	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	41.22	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.24	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.24	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.33	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	5.74	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	6.65	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	7.66	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	8.90	



Furnishings	12
Furniture	12 50
Systems Furniture	12 59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0093 EA Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	10.31	
12 59 13 00-0094 EA Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	11.98	
12 59 13 00-0095 EA Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	11.23	
12 59 13 00-0096 EA Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	13.14	
12 59 13 00-0097 EA Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	15.80	
12 59 13 00-0098 EA Disassemble And Store 34" Panel End Cap Hardware.....	1.92	
12 59 13 00-0099 EA Disassemble And Store 42" Panel End Cap Hardware.....	2.17	
12 59 13 00-0100 EA Disassemble And Store 62" Panel End Cap Hardware.....	2.33	
12 59 13 00-0101 EA Disassemble And Store Variable Height Panel End Filler.....	2.11	
12 59 13 00-0102 EA Disassemble And Store Two-Way Trim Cover For Cable Management Raceway.....	1.08	
12 59 13 00-0103 EA Disassemble And Store Three-Way Trim Cover For Cable Management Raceway.....	1.14	
12 59 13 00-0104 EA Disassemble And Store Four-Way Trim Cover For Cable Management Raceway.....	1.32	
12 59 13 00-0105 EA Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	1.08	
12 59 13 00-0106 EA Disassemble And Store 12" Cable Management Raceway Assembly.....	2.23	
12 59 13 00-0107 EA Disassemble And Store 24" Cable Management Raceway Assembly.....	2.54	
12 59 13 00-0108 EA Disassemble And Store 30" Cable Management Raceway Assembly.....	2.59	
12 59 13 00-0109 EA Disassemble And Store 36" Cable Management Raceway Assembly.....	2.90	
12 59 13 00-0110 EA Disassemble And Store 48" Cable Management Raceway Assembly.....	3.26	
12 59 13 00-0111 EA Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	17.52	
12 59 13 00-0112 EA Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	21.58	
12 59 13 00-0113 EA Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	20.37	
12 59 13 00-0114 EA Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	25.45	
12 59 13 00-0115 EA Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	25.70	
12 59 13 00-0116 EA Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	32.37	
12 59 13 00-0117 EA Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	31.21	
12 59 13 00-0118 EA Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	39.22	
12 59 13 00-0119 EA Disassemble And Store 30" x 60" Radiused Edge Table.....	60.56	
12 59 13 00-0120 EA Disassemble And Store 30" x 72" Radiused Edge Table.....	76.10	
12 59 13 00-0121 EA Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	8.37	
12 59 13 00-0122 EA Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	9.51	
12 59 13 00-0123 EA Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	10.66	
12 59 13 00-0124 EA Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	13.27	
12 59 13 00-0125 EA Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	15.94	
12 59 13 00-0126 EA Disassemble And Store 14" Right Angle Corner Transaction Surface.....	27.88	
12 59 13 00-0127 EA Disassemble And Store Transaction Surface Support.....	2.20	
12 59 13 00-0128 EA Disassemble And Store Plastic Pencil Drawer.....	2.18	
12 59 13 00-0129 EA Disassemble And Store 15-1/2" x 24" Hanging Shelf.....	8.15	
12 59 13 00-0130 EA Disassemble And Store 15-1/2" x 36" Hanging Shelf.....	8.87	
12 59 13 00-0131 EA Disassemble And Store 15-1/2" x 48" Hanging Shelf.....	9.47	
12 59 13 00-0132 EA Disassemble And Store 24" Flipper Door And Shelf.....	14.06	
12 59 13 00-0133 EA Disassemble And Store 36" Flipper Door And Shelf.....	16.40	
12 59 13 00-0134 EA Disassemble And Store 48" Flipper Door And Shelf.....	18.82	
12 59 13 00-0135 EA Disassemble And Store 24" Suspended Lateral File.....	48.16	
12 59 13 00-0136 EA Disassemble And Store 30" Suspended Lateral File.....	50.87	
12 59 13 00-0137 EA Disassemble And Store 36" Suspended Lateral File.....	53.68	
12 59 13 00-0138 EA Disassemble And Store 48" Suspended Lateral File.....	58.70	
12 59 13 00-0139 EA Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	21.95	
12 59 13 00-0140 EA Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface.....	27.74	
12 59 13 00-0141 EA Disassemble And Store Utility Task Light.....	9.65	

12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)

12 59 13 00-0143 EA Reconfigure 34H 24W Fabric Covered Panel.....	24.36	
12 59 13 00-0144 EA Reconfigure 34H 30W Fabric Covered Panel.....	27.08	
12 59 13 00-0145 EA Reconfigure 34H 36W Fabric Covered Panel.....	28.94	
12 59 13 00-0146 EA Reconfigure 34H 48W Fabric Covered Panel.....	32.44	
12 59 13 00-0147 EA Reconfigure 42H 24W Fabric Covered Panel.....	24.75	
12 59 13 00-0148 EA Reconfigure 42H 30W Fabric Covered Panel.....	27.98	
12 59 13 00-0149 EA Reconfigure 42H 36W Fabric Covered Panel.....	31.34	
12 59 13 00-0150 EA Reconfigure 42H 48W Fabric Covered Panel.....	36.83	
12 59 13 00-0151 EA Reconfigure 62H 12W Fabric Covered Panel.....	23.85	
12 59 13 00-0152 EA Reconfigure 62H 24W Fabric Covered Panel.....	29.34	
12 59 13 00-0153 EA Reconfigure 62H 36W Fabric Covered Panel.....	36.70	
12 59 13 00-0154 EA Reconfigure 62H 48W Fabric Covered Panel.....	43.94	
12 59 13 00-0155 EA Reconfigure 34" Draw Rod Panel Connector Hardware.....	1.33	
12 59 13 00-0156 EA Reconfigure 42" Draw Rod Panel Connector Hardware.....	1.33	
12 59 13 00-0157 EA Reconfigure 62" Draw Rod Panel Connector Hardware.....	1.41	
12 59 13 00-0158 EA Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware.....	6.12	
12 59 13 00-0159 EA Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware.....	7.09	
12 59 13 00-0160 EA Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware.....	8.16	
12 59 13 00-0161 EA Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	9.49	
12 59 13 00-0162 EA Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	11.00	
12 59 13 00-0163 EA Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	12.77	
12 59 13 00-0164 EA Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	11.97	
12 59 13 00-0165 EA Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	14.02	
12 59 13 00-0166 EA Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	16.86	
12 59 13 00-0167 EA Reconfigure 34" Panel End Cap Hardware.....	2.04	
12 59 13 00-0168 EA Reconfigure 42" Panel End Cap Hardware.....	2.31	
12 59 13 00-0169 EA Reconfigure 62" Panel End Cap Hardware.....	2.49	
12 59 13 00-0170 EA Reconfigure Variable Height Panel End Filler.....	2.25	
12 59 13 00-0171 EA Reconfigure Two-Way Trim Cover For Cable Management Raceway.....	1.15	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.22	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.41	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.15	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	2.38	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	2.70	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	2.77	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	3.09	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	3.47	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	18.67	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	23.01	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	21.71	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	27.14	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	27.40	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	34.50	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	33.28	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	41.81	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table.....	74.27	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table.....	81.17	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	8.92	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	10.14	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	11.38	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	14.15	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	17.00	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface.....	29.73	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support.....	2.35	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf.....	8.68	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf.....	9.45	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf.....	10.09	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf	14.98	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf	17.49	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf	20.07	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File.....	51.38	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File.....	54.26	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File.....	57.26	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File.....	62.63	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	29.57	

12 60 Multiple Seating ⁽¹²⁾**12 61 Fixed Audience Seating** ^(12 60)

See CSI section 12 01 60 00-0001 for for seat repairs.

12 61 13 Upholstered Audience Seating ^(12 61)**12 61 13 00-0001 Fixed Back Upholstered Audience Seating** ^(12 61 13)

12 61 13 00-0002	EA	31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4)	380.31	32.74
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.		
		<i>For >100, Deduct</i>	-50.14	
		<i>For Table Arm Attachment, Add</i>	56.28	
		<i>For Aisle Panel, Add</i>	83.60	
		<i>For Epoxy Anchoring, Add</i>	22.90	
		<i>For <25, Add</i>	83.47	
12 61 13 00-0003	EA	36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4)	486.79	32.74
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.		
		<i>For >100, Deduct</i>	-67.41	
		<i>For Table Arm Attachment, Add</i>	56.28	
		<i>For Aisle Panel, Add</i>	83.60	
		<i>For Epoxy Anchoring, Add</i>	22.90	
		<i>For <25, Add</i>	112.22	

12 61 16 Molded-Plastic Audience Seating ^(12 61)**12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating** ^(12 61 16)

12 61 16 00-0002	EA	Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30).....	281.01	32.74
		Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.		
		<i>For >100, Deduct</i>	-34.04	
		<i>For Table Arm Attachment, Add</i>	56.28	
		<i>For Aisle Panel, Add</i>	83.60	
		<i>For Epoxy Anchoring, Add</i>	22.90	
		<i>For <25, Add</i>	56.66	

12 61 19 Plywood/Hardwood Audience Seating ^(12 61)**12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating** ^(12 61 19)



Furnishings	12
Multiple Seating	12 60
Fixed Audience Seating	12 61

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 19 00-0002 EA Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4).....	418.51	32.74
Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.		
For >100, Deduct	-56.34	
For Table Arm Attachment, Add	56.28	
For Aisle Panel, Add	83.60	
For Epoxy Anchoring, Add	22.90	
For <25, Add	93.78	

12 62 Portable-Audience Seating (12 60)

12 62 23 Portable Bleachers (12 62)

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable (12 62 23)

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

12 62 23 00-0003 SEA 2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	51.06	3.32
For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

Note: Includes side and back fence.

12 62 23 00-0005 SEA 4 To 9 Rows, Non Elevated Portable Aluminum Bleacher.....	64.53	3.32
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

12 62 23 00-0006 SEA 10 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	72.14	3.32
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

12 62 23 00-0007 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0008 SEA 5 To 9 Rows, Non Elevated Portable Aluminum Bleacher.....	96.70	3.73
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

12 62 23 00-0009 SEA 10 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	109.06	3.73
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

12 63 Stadium And Arena Seating (12 60)

12 63 13 Stadium And Arena Bench Seating (12 63)

12 63 13 00-0001 Precast Concrete Park Benches With Backs (12 63 13)

12 63 13 00-0002 EA 4' Precast Concrete Bench With Back	745.59	75.64
12 63 13 00-0003 EA 8' Precast Concrete Bench With Back	1,027.27	98.33

12 63 13 00-0004 Fiberglass Benches With Backs (12 63 13)

12 63 13 00-0005 EA 4' Fiberglass Bench With Back	360.94	37.82
12 63 13 00-0006 EA 8' Fiberglass Bench With Back	502.59	54.46

12 63 13 00-0007 Wood Benches With Backs And Fiberglass Supports (12 63 13)

12 63 13 00-0008 EA 4' Wood Bench With Back And Fiberglass Supports	737.74	37.82
12 63 13 00-0009 EA 8' Wood Bench With Back And Fiberglass Supports	901.19	54.46
12 63 13 00-0010 EA 6' Permanent Wooden Slat Bench With Back And Fiberglass Supports.....	218.83	29.14
12 63 13 00-0011 EA 6' Permanent Redwood Slat Bench With Back And Fiberglass Supports.....	263.46	29.14
12 63 13 00-0012 EA 6' Redwood Bench With Back And Fiberglass Supports.....	312.25	29.14
12 63 13 00-0013 EA 6' Permanent Redwood Contour Bench With Back And Fiberglass Supports	419.33	29.14
12 63 13 00-0014 EA 8' Heavy Duty Permanent Redwood Bench With Back And Fiberglass Supports.....	387.15	29.14
12 63 13 00-0015 EA 6' Ornate Bench, Exterior With Back And Fiberglass Supports	471.06	29.14

12 63 13 00-0016 Steel Frame Benches (12 63 13)

12 63 13 00-0017 EA 6' All Steel Bench.....	420.70	47.66
12 63 13 00-0018 EA 6' Steel Frame Bench With Hardwood Boards.....	378.59	47.66

12 63 13 00-0019 Aluminum Benches (12 63 13)

12 63 13 00-0020 LF 10' Steel Frame Players Bench Fir Seat With No Back	31.11	3.79
12 63 13 00-0021 EA 6' Permanent Enclosed Slat Bench.....	353.08	29.14
12 63 13 00-0022 EA 6' Portable Anodized Aluminum Bench.....	337.81	29.14
12 63 13 00-0023 EA 6' Portable Colored Aluminum Bench	374.77	29.14

12 Furnishings**12 60 Multiple Seating****12 63 Stadium And Arena Seating**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
12 63 13 00-0024		Steel Benches <small>(12 63 13)</small>			
12 63 13 00-0025	EA	6' Portable Super Slat Steel Bench.....	347.67		29.14
12 63 13 00-0026	EA	6' Permanent One-piece Steel Bench.....	326.61		29.14
12 63 13 00-0027	EA	6' Portable Perma-glass Park Bench.....	358.20		29.14
12 63 13 00-0028		Color Coated Square Steel Frames <small>(12 63 13)</small>			
		Note: With flat steel slats, includes intermediate frame with armrest and back.			
12 63 13 00-0029	EA	Bench 8.08' Long.....	983.27		71.06
12 63 13 00-0030	EA	Bench 10.08' Long.....	2,034.45		71.06
12 63 13 00-0031	EA	Bench 12' Long.....	2,209.65		71.06

END OF SECTION 12



Special Construction	13	13
Special Facility Components	13 10	
Swimming Pools	13 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 10 Special Facility Components ⁽¹³⁾

13 11 Swimming Pools ^(13 10)

13 11 46 Swimming Pool Accessories ^(13 11)

13 11 46 00-0001 Diving Stand ^(13 11 46)

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	18,273.76	1,891.03
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	19,251.82	1,891.03
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	10,803.74	756.41
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	11,789.27	756.41
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	3,988.07	350.98

13 11 46 00-0007 Diving Boards ^(13 11 46)

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....	2,141.25	279.87
		<i>For Wheel Adjuster, Add</i>	102.97	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....	1,452.58	279.87
		<i>For Wheel Adjuster, Add</i>	102.97	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....	899.47	232.21
		<i>For Wheel Adjuster, Add</i>	97.67	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....	1,108.07	248.11
		<i>For Wheel Adjuster, Add</i>	99.43	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....	1,313.65	264.74
		<i>For Wheel Adjuster, Add</i>	101.26	

13 11 46 00-0013 Heavy Duty Ladders ^(13 11 46)

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	984.26	108.17
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	1,363.60	108.17
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	1,130.01	124.81
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	1,675.89	124.81

13 11 46 00-0018 Lifeguard Chair ^(13 11 46)

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	2,359.29	279.87
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	3,085.76	279.87

13 11 46 00-0021 Underwater Lights ^(13 11 46)

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	410.86	102.95
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	401.44	102.95

13 11 46 00-0024 Pool Covers ^(13 11 46)

		Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....	10.56	4.66
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....	10.80	4.66

13 11 46 00-0027 Slides With Water Tube ^(13 11 46)

13 11 46 00-0028	EA	Swim Pool Slide.....	2,028.29	425.48
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13 11 46 00-0029 Curved Slides With Water Tube ^(13 11 46)

13 11 46 00-0030	EA	8 Ft Curved With Continuous Flowing Water.....	1,504.94	578.88
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13 12 Fountains ^(13 10)

13 12 13 Exterior Fountains ^(13 12)

13 12 13 00-0001 Fountains/Aerators ^(13 12 13)

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,127.02	118.37
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,359.59	120.97
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,389.47	123.90
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,509.85	126.83
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	2,630.99	130.08
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....	5,758.73	133.33
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....	6,604.13	136.90
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....	7,336.51	140.48
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....	9,312.98	144.38
13 12 13 00-0011	EA	Aerator Nozzle.....	470.92	65.04

13	13 Special Construction
	13 20 Special Purpose Rooms
	13 12 Fountains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13 21 26 Cold Storage Rooms ^(13 21)

See CSI section 11 41 23 00-0000 for refrigerated controlled environment rooms.

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 16 Grandstands And Bleachers ^(13 34)

13 34 16 13 Grandstands ^(13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame ^(13 34 16 13)

13 34 16 13-0002 3 To 15 Tiers ^(13 34 16 13-0001)

13 34 16 13-0003	SEA 3-15 Tier Permanent Grandstand Price Per Seat	63.96	6.64
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13 34 16 13-0004 16 To 30 Tiers ^(13 34 16 13-0001)

13 34 16 13-0005	SEA 16-30 Tier Permanent Grandstand Price Per Seat	97.95	7.48
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13 34 19 Metal Building Systems ^(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004	GSF 10' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	23.37	5.67
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<i>For 30' To 49' In Length Only, Add</i>		2.89	
<i>For 50' To 69' In Length Only, Add</i>		1.58	
<i>For 70' To 99' In Length Only, Add</i>		0.65	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>		0.70	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>		1.17	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>		1.75	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>		2.28	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>		2.80	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>		4.44	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>		5.61	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>		0.70	
<i>For Each SF Of Lap Roof, Deduct</i>		-0.76	
<i>For Each SF Of Hip Roof, Add</i>		0.72	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>		-1.97	

13 34 19 00-0005	GSF 12' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	24.84	6.23
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<i>For 30' To 49' In Length Only, Add</i>		2.97	
<i>For 50' To 69' In Length Only, Add</i>		1.62	
<i>For 70' To 99' In Length Only, Add</i>		0.67	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>		0.75	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>		1.24	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>		1.86	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>		2.42	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>		2.98	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>		4.72	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>		5.96	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>		0.74	
<i>For Each SF Of Lap Roof, Deduct</i>		-0.76	
<i>For Each SF Of Hip Roof, Add</i>		0.78	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>		-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006 GSF 14' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.47	6.87
For 30' To 49' In Length Only, Add	3.06	
For 50' To 69' In Length Only, Add	1.67	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.32	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.99	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.58	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.18	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.79	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.86	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007 GSF 16' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.36	7.51
For 30' To 49' In Length Only, Add	3.20	
For 50' To 69' In Length Only, Add	1.75	
For 70' To 99' In Length Only, Add	0.72	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.85	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.42	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.77	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.39	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.81	
For Each SF Of 24 Gauge Wall Panel, Add	0.84	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.93	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008 GSF 18' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.32	8.16
For 30' To 49' In Length Only, Add	3.36	
For 50' To 69' In Length Only, Add	1.84	
For 70' To 99' In Length Only, Add	0.76	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.91	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.52	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.27	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.96	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.90	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.00	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009 GSF 20' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.22	8.76
For 30' To 49' In Length Only, Add	3.53	
For 50' To 69' In Length Only, Add	1.93	
For 70' To 99' In Length Only, Add	0.79	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.97	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.61	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.42	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.14	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.87	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.73	
For Each SF Of 24 Gauge Wall Panel, Add	0.95	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.06	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.99	10.04
For 30' To 49' In Length Only, Add	3.84	
For 50' To 69' In Length Only, Add	2.09	
For 70' To 99' In Length Only, Add	0.86	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.08	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.70	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.51	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.32	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.84	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.64	
For Each SF Of 24 Gauge Wall Panel, Add	1.06	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.20	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0002)</small>		

13	Special Construction
13 30	Special Structures
13 34	Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012 GSF 10' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	20.24	4.51
For 30' To 49' In Length Only, Add	2.70	
For 50' To 69' In Length Only, Add	1.47	
For 70' To 99' In Length Only, Add	0.61	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.97	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.43	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.85	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.86	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013 GSF 12' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.45	4.92
For 30' To 49' In Length Only, Add	2.78	
For 50' To 69' In Length Only, Add	1.52	
For 70' To 99' In Length Only, Add	0.62	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.08	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.15	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014 GSF 14' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.46	5.33
For 30' To 49' In Length Only, Add	2.83	
For 50' To 69' In Length Only, Add	1.55	
For 70' To 99' In Length Only, Add	0.64	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.68	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.19	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.70	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.27	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.39	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.69	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015 GSF 16' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	24.02	5.80
For 30' To 49' In Length Only, Add	2.98	
For 50' To 69' In Length Only, Add	1.63	
For 70' To 99' In Length Only, Add	0.67	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.80	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.34	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.56	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.76	
For Each SF Of 24 Gauge Wall Panel, Add	0.72	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.74	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016 GSF 18' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	26.09	6.23
For 30' To 49' In Length Only, Add	3.27	
For 50' To 69' In Length Only, Add	1.79	
For 70' To 99' In Length Only, Add	0.74	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.78	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.30	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.96	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.54	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.13	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.96	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.26	
For Each SF Of 24 Gauge Wall Panel, Add	0.79	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.78	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.89	6.65
For 30' To 49' In Length Only, Add	3.48	
For 50' To 69' In Length Only, Add	1.90	
For 70' To 99' In Length Only, Add	0.78	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.39	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.09	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.72	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.35	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.69	
For Each SF Of 24 Gauge Wall Panel, Add	0.84	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.84	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.34	7.51
For 30' To 49' In Length Only, Add	3.67	
For 50' To 69' In Length Only, Add	2.01	
For 70' To 99' In Length Only, Add	0.83	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.91	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.52	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.28	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.96	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.91	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.93	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0002)		
13 34 19 00-0020 GSF 10' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.42	2.79
For 30' To 49' In Length Only, Add	2.36	
For 50' To 69' In Length Only, Add	1.29	
For 70' To 99' In Length Only, Add	0.53	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.77	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.16	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.50	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.85	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.93	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.70	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.05	2.97
For 30' To 49' In Length Only, Add	2.43	
For 50' To 69' In Length Only, Add	1.33	
For 70' To 99' In Length Only, Add	0.55	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.20	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.56	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.93	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.05	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.85	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022 GSF 14' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.69	3.13
For 30' To 49' In Length Only, Add	2.50	
For 50' To 69' In Length Only, Add	1.37	
For 70' To 99' In Length Only, Add	0.56	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.00	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.17	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.01	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.64	3.30
	For 30' To 49' In Length Only, Add	2.64	
	For 50' To 69' In Length Only, Add	1.44	
	For 70' To 99' In Length Only, Add	0.60	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.72	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.12	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.35	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.23	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.46	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.36	3.48
	For 30' To 49' In Length Only, Add	2.74	
	For 50' To 69' In Length Only, Add	1.49	
	For 70' To 99' In Length Only, Add	0.62	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.20	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.41	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.48	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.02	3.65
	For 30' To 49' In Length Only, Add	2.81	
	For 50' To 69' In Length Only, Add	1.54	
	For 70' To 99' In Length Only, Add	0.63	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.85	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.61	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.56	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.50	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.81	4.00
	For 30' To 49' In Length Only, Add	3.08	
	For 50' To 69' In Length Only, Add	1.68	
	For 70' To 99' In Length Only, Add	0.69	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.95	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.99	
	For Each SF Of 24 Gauge Wall Panel, Add	0.65	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.54	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001) Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.60	4.51
	For 30' To 49' In Length Only, Add	2.78	
	For 50' To 69' In Length Only, Add	1.52	
	For 70' To 99' In Length Only, Add	0.63	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.55	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.01	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.47	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.91	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.94	
	For Each SF Of 24 Gauge Wall Panel, Add	0.63	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.60	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030 GSF 12' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.07	4.93
<i>For 30' To 49' In Length Only, Add</i>	2.94	
<i>For 50' To 69' In Length Only, Add</i>	1.60	
<i>For 70' To 99' In Length Only, Add</i>	0.66	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.66	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.10	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.66	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.15	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.65	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.19	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.30	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.67	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.64	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0031 GSF 14' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.50	5.33
<i>For 30' To 49' In Length Only, Add</i>	3.08	
<i>For 50' To 69' In Length Only, Add</i>	1.68	
<i>For 70' To 99' In Length Only, Add</i>	0.69	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.71	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.18	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.76	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.29	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.82	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.47	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.64	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.72	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.69	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.41	5.80
<i>For 30' To 49' In Length Only, Add</i>	3.31	
<i>For 50' To 69' In Length Only, Add</i>	1.81	
<i>For 70' To 99' In Length Only, Add</i>	0.75	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.76	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.27	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.91	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.48	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.05	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.83	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.10	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.77	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.74	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.03	6.25
<i>For 30' To 49' In Length Only, Add</i>	3.49	
<i>For 50' To 69' In Length Only, Add</i>	1.90	
<i>For 70' To 99' In Length Only, Add</i>	0.79	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.81	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.35	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.03	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.64	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.24	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.14	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.49	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.82	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.79	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0034 GSF 20' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.66	6.70
<i>For 30' To 49' In Length Only, Add</i>	3.66	
<i>For 50' To 69' In Length Only, Add</i>	2.00	
<i>For 70' To 99' In Length Only, Add</i>	0.82	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.86	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.43	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.15	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.79	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.44	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.45	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.88	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.87	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.84	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.99	7.65
	For 30' To 49' In Length Only, Add	4.01	
	For 50' To 69' In Length Only, Add	2.19	
	For 70' To 99' In Length Only, Add	0.90	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.96	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.60	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.40	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.12	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.84	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.08	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.68	
	For Each SF Of 24 Gauge Wall Panel, Add	0.97	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.94	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0036 >30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings

(13 34 19 00-0027)

13 34 19 00-0037	GSF 10' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.63	4.00
	For 30' To 49' In Length Only, Add	2.56	
	For 50' To 69' In Length Only, Add	1.40	
	For 70' To 99' In Length Only, Add	0.58	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.54	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.47	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.54	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.81	4.36
	For 30' To 49' In Length Only, Add	2.66	
	For 50' To 69' In Length Only, Add	1.45	
	For 70' To 99' In Length Only, Add	0.60	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.93	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.75	
	For Each SF Of 24 Gauge Wall Panel, Add	0.61	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.97	4.72
	For 30' To 49' In Length Only, Add	2.76	
	For 50' To 69' In Length Only, Add	1.51	
	For 70' To 99' In Length Only, Add	0.62	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.57	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.04	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.98	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.03	
	For Each SF Of 24 Gauge Wall Panel, Add	0.64	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.62	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0040	GSF 16' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.26	5.07
	For 30' To 49' In Length Only, Add	2.91	
	For 50' To 69' In Length Only, Add	1.59	
	For 70' To 99' In Length Only, Add	0.66	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.17	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.23	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.34	
	For Each SF Of 24 Gauge Wall Panel, Add	0.68	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.66	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041 GSF 18' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.56	5.43
For 30' To 49' In Length Only, Add	3.05	
For 50' To 69' In Length Only, Add	1.66	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.77	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.30	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.83	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.48	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.65	
For Each SF Of 24 Gauge Wall Panel, Add	0.72	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.70	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.84	5.80
For 30' To 49' In Length Only, Add	3.18	
For 50' To 69' In Length Only, Add	1.73	
For 70' To 99' In Length Only, Add	0.71	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.24	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.86	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.96	
For Each SF Of 24 Gauge Wall Panel, Add	0.75	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.74	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.71	6.62
For 30' To 49' In Length Only, Add	3.48	
For 50' To 69' In Length Only, Add	1.90	
For 70' To 99' In Length Only, Add	0.78	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.39	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.08	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.70	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.33	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.26	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.65	
For Each SF Of 24 Gauge Wall Panel, Add	0.84	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.83	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044 >40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0045 GSF 10' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.44	3.13
For 30' To 49' In Length Only, Add	2.44	
For 50' To 69' In Length Only, Add	1.33	
For 70' To 99' In Length Only, Add	0.55	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.95	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046 GSF 12' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.29	3.35
For 30' To 49' In Length Only, Add	2.54	
For 50' To 69' In Length Only, Add	1.39	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.07	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.15	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.47	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0047	GSF	14' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.12	3.56
			For 30' To 49' In Length Only, Add	2.64	
			For 50' To 69' In Length Only, Add	1.44	
			For 70' To 99' In Length Only, Add	0.59	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.36	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.77	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.17	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.35	
			For Each SF Of 24 Gauge Wall Panel, Add	0.56	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.49	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0048	GSF	16' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.03	3.78
			For 30' To 49' In Length Only, Add	2.75	
			For 50' To 69' In Length Only, Add	1.50	
			For 70' To 99' In Length Only, Add	0.62	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.86	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.62	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.57	
			For Each SF Of 24 Gauge Wall Panel, Add	0.59	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.52	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0049	GSF	18' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.17	4.04
			For 30' To 49' In Length Only, Add	2.90	
			For 50' To 69' In Length Only, Add	1.59	
			For 70' To 99' In Length Only, Add	0.65	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.01	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.51	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.97	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.42	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.83	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.84	
			For Each SF Of 24 Gauge Wall Panel, Add	0.63	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.54	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0050	GSF	20' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.23	4.25
			For 30' To 49' In Length Only, Add	3.06	
			For 50' To 69' In Length Only, Add	1.67	
			For 70' To 99' In Length Only, Add	0.69	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.03	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.10	
			For Each SF Of 24 Gauge Wall Panel, Add	0.66	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0051	GSF	24' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.62	4.83
			For 30' To 49' In Length Only, Add	3.35	
			For 50' To 69' In Length Only, Add	1.83	
			For 70' To 99' In Length Only, Add	0.75	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.77	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.30	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.83	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.49	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.67	
			For Each SF Of 24 Gauge Wall Panel, Add	0.73	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.91	3.69
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.51	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.85	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.27	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.65	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.03	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.21	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.06	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.52	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.51	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.03	3.95
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.54	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.90	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.35	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.76	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.16	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.43	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.33	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.55	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.53	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.92	4.16
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.57	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.95	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.42	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.84	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.27	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.59	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.54	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.58	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.56	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.79	3.86
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.56	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.94	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.41	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.83	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.25	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.57	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.51	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.58	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.53	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.33	4.21
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.61	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.02	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.52	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.98	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.44	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.86	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.88	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.63	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.56	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
<small>(13 34 19 00-0052)</small>		
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.79	3.26
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.47	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.79	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.18	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.54	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.89	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.00	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.79	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.49	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.46	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0061 GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.79	3.48
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.01	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.03	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0062 GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.69	3.69
For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.72	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.12	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.36	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063 GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.48	3.86
For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.80	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.44	
For Each SF Of 24 Gauge Wall Panel, Add	0.57	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064 GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.99	4.21
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.40	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.80	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.80	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0066 GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.74	2.88
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.77	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.80	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0067 GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.46	3.00
For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.77	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.16	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.51	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.86	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.94	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.71	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.27	3.18
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.95	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.90	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.45	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.98	3.30
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.04	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.08	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.35	3.61
For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.20	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.40	
For Each SF Of 24 Gauge Wall Panel, Add	0.57	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.40	2.74
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.73	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.46	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.96	2.88
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.12	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.84	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.47	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.66	3.00
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.53	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.88	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.76	
For Each SF Of 24 Gauge Wall Panel, Add	0.49	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0075	GSF		20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.32	3.13
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.96	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.10	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.92	
			For Each SF Of 24 Gauge Wall Panel, Add	0.51	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076	GSF		24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.70	3.39
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.12	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.36	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.25	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077			Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078			Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)		
13 34 19 00-0079	GSF		14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.17	2.88
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.71	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.06	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.38	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.70	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.69	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.40	
			For Each SF Of 24 Gauge Wall Panel, Add	0.44	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.42	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080	GSF		16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.72	3.00
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.77	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.80	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.53	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.43	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081	GSF		18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.86	2.92
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.45	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.78	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.57	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.42	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0082	GSF		20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.45	3.05
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.77	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.16	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.51	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.85	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.94	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.71	
			For Each SF Of 24 Gauge Wall Panel, Add	0.48	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.47	3.26
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.70	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.10	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.32	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.19	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.46	2.62
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.31	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.62	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.56	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.23	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.92	2.71
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.34	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.44	2.81
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.41	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.73	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.47	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.95	2.92
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.12	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.79	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.84	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.95	3.13
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.03	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.07	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small>		

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092	GSF		14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.94	2.49
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.39	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.65	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.97	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.26	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.55	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.46	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.11	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.40	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.37	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0093	GSF		16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.49	2.58
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.40	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.67	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.01	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.32	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.62	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.56	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.24	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.42	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.38	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0094	GSF		18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.96	2.66
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.42	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.70	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.05	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.36	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.68	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.65	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.35	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.44	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.39	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0095	GSF		20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.39	2.74
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.43	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.72	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.08	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.40	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.73	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.73	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.45	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.45	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.40	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0096	GSF		24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.37	3.00
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.49	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.82	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.23	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.60	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.96	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.11	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.93	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.51	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.43	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0097			>160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small>		
13 34 19 00-0098	GSF		14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.79	2.41
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.38	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.64	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.96	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.25	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.53	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.43	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.07	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.40	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.36	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.25	2.49
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.99	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.29	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.59	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.18	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.75	2.58
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.30	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.22	2.66
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.71	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.07	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.71	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.70	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.41	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.11	2.88
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.21	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.57	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.93	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.87	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.67	2.32
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.95	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.24	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.52	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.41	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.04	
For Each SF Of 24 Gauge Wall Panel, Add	0.40	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.36	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.03	2.41
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.98	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.27	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.56	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.13	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.36	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.54	2.49
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.62	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.04	2.58
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.68	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.37	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.96	2.79
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.20	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.56	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.92	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.83	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109 Metal Building Options (13 34 19 00-0001)		
Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 16 00-0000 for door hardware.		
13 34 19 00-0110 Metal Framing For Rough Openings (13 34 19 00-0109)		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening	303.58	96.18
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening	447.54	124.52
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening	501.37	118.08
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening	537.21	120.23
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening	567.74	124.52
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening	295.03	96.18
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening	332.36	109.33
13 34 19 00-0118 LF Additional Girts	8.02	
13 34 19 00-0119 Wall Panel Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	7.72	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	9.52	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	11.15	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	13.07	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0124 Roofing Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125 SF Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.74	
13 34 19 00-0126 SF Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	11.46	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127 SF Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	12.38	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0128 SF Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 13.13 Note: 24 gauge exterior and 24 gauge interior panels. <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> 0.24 <i>For Premium Exterior Colors, Add</i> 0.12		
13 34 19 00-0129 EA 3' x 10' Translucent Fiberglass Panels 118.48		36.92
13 34 19 00-0130 LF Vented Ridge Vent For Standing Seam Roof 22.53		
13 34 19 00-0131 Insulation For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0132 SF 1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 0.88		0.24
13 34 19 00-0133 SF 2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 0.97		0.24
13 34 19 00-0134 SF 3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.10		0.32
13 34 19 00-0135 SF 3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.27		0.32
13 34 19 00-0136 SF 6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.59		0.32
13 34 19 00-0137 SF 1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.06		0.24
13 34 19 00-0138 SF 2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.16		0.24
13 34 19 00-0139 SF 3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.25		0.32
13 34 19 00-0140 SF 3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.38		0.32
13 34 19 00-0141 SF 6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.65		0.32
13 34 19 00-0142 SF 1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.01		0.24
13 34 19 00-0143 SF 2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.12		0.24
13 34 19 00-0144 SF 3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.32		0.32
13 34 19 00-0145 SF 3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.46		0.32
13 34 19 00-0146 SF 6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation..... 1.70		0.32
13 34 19 00-0147 SF 2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 0.94		0.24
13 34 19 00-0148 SF 3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 0.99		0.24
13 34 19 00-0149 SF 4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.11		0.32
13 34 19 00-0150 SF 6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.39		0.32
13 34 19 00-0151 SF 2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 0.95		0.24
13 34 19 00-0152 SF 3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.01		0.24
13 34 19 00-0153 SF 4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.13		0.32
13 34 19 00-0154 SF 6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.42		0.32
13 34 19 00-0155 SF 2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.26		0.24
13 34 19 00-0156 SF 3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.34		0.24
13 34 19 00-0157 SF 4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation 1.47		0.32
13 34 19 00-0158 SF 6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.75		0.32
13 34 19 00-0159 Eave And Overhang Options For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0160 LF 2' End Wall Roof Overhang And 26 Gauge Soffit 44.22		6.70
13 34 19 00-0161 LF 4' End Wall Roof Overhang And 26 Gauge Soffit 67.50		4.81
13 34 19 00-0162 SF Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy 51.96		10.74
Note: Up to 7' projection from wall. Includes finished underside and edges.		
<i>For End Braced (Up To 16' Wall Projection), Add</i> 11.92		
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 6.72		
13 34 19 00-0163 SF >20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy 43.45		9.01
Note: Up to 7' projection from wall. Includes finished underside and edges.		
<i>For End Braced (Up To 16' Wall Projection), Add</i> 9.96		
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 5.62		
13 34 19 00-0164 SF >50 SF, Prefinished Aluminum, Wall Hung Canopy..... 33.55		7.73
Note: Up to 7' projection from wall. Includes finished underside and edges.		
<i>For End Braced (Up To 16' Wall Projection), Add</i> 7.61		
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 4.26		
13 34 19 00-0165 SF Up To 50 SF, Prefinished Aluminum, Free Standing Canopy 65.60		16.31
Note: Includes finished underside and edges.		
13 34 19 00-0166 SF >50 SF, Prefinished Aluminum, Free Standing Canopy..... 43.34		9.88
Note: Includes finished underside and edges.		
13 34 19 00-0167 LF 1' Standard Eave Overhang Without Soffit 25.21		
13 34 19 00-0168 LF 2' Standard Eave Overhang Without Soffit 31.49		
13 34 19 00-0169 LF 3' Standard Eave Overhang Without Soffit 38.03		
13 34 19 00-0170 LF 4' Standard Eave Overhang Without Soffit 44.44		
13 34 19 00-0171 LF 6' Standard Eave Overhang Without Soffit 56.64		
13 34 19 00-0172 LF 1' Standard Eave Overhang And 26 Gauge Soffit 33.33		
<i>For 24 Gauge, Add</i> 3.35		
13 34 19 00-0173 LF 2' Standard Eave Overhang And 26 Gauge Soffit 41.58		
<i>For 24 Gauge, Add</i> 4.23		
13 34 19 00-0174 LF 3' Standard Eave Overhang And 26 Gauge Soffit 50.07		
<i>For 24 Gauge, Add</i> 5.07		
13 34 19 00-0175 LF 4' Standard Eave Overhang And 26 Gauge Soffit 58.57		
<i>For 24 Gauge, Add</i> 5.90		
13 34 19 00-0176 LF 6' Standard Eave Overhang And 26 Gauge Soffit 74.74		
<i>For 24 Gauge, Add</i> 7.61		
13 34 19 00-0177 Louvers And Vents For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0178 EA 4' x 3' Fixed Louver 431.54		133.97
13 34 19 00-0179 EA 12" Rotary Vent With Damper..... 264.79		85.88
13 34 19 00-0180 EA 20" Rotary Vent With Damper..... 444.12		114.65
13 34 19 00-0181 EA 24" Rotary Vent With Damper..... 574.20		128.82
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'..... 673.00		171.76
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'..... 710.50		171.76
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen..... 808.68		171.76

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	873.28	171.76
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	944.35	171.76
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,015.41	171.76
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,327.41	214.69
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,443.70	214.69
13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted	9.65	2.15
<i>For Galvanized Instead Of Painted, Deduct</i>	-1.34	
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted	8.15	3.00
<i>For Galvanized Instead Of Painted, Deduct</i>	-0.54	
13 34 23 Fabricated Structures (13 34)		
13 34 23 13 Portable And Mobile Buildings (13 34 23)		
Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.		
13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	446.18	
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	382.69	
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	306.28	
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	242.37	
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	216.64	
13 34 23 13-0007 Relocate Trailer Within 5 Miles (13 34 23 13)		
Note: Includes removal of tie-downs and underpins. Set-up tie-downs.		
13 34 23 13-0008 EA Relocate Single Trailer Within 5 Miles	886.93	
13 34 23 13-0009 SF Install Under-Pinning.....	2.45	
13 34 23 13-0010 Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0011 SF Single Trailer Up To 14' x 73'	32.69	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,191.18	
<i>For Each Knock-Down And Pick-Up, Add</i>	911.18	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0012 SF Modular Trailers, Connected.....	45.77	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	2,602.88	
<i>For Each Knock-Down And Pick-Up, Add</i>	1,952.88	
13 34 23 13-0013 EA Add Per Additional Exterior Door With Frame And Hardware	490.42	
13 34 23 13-0014 Accessories (13 34 23 13)		
13 34 23 13-0015 Skirting (13 34 23 13-0014)		
Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0016 Vinyl Covered, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0017 SF 1'-8" High Vinyl Covered Skirt.....	3.11	1.30
13 34 23 13-0018 SF 3' High Vinyl Covered Skirt	4.67	2.13
13 34 23 13-0019 Fiberglass, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0020 SF 1'-8" High Fiberglass Skirt.....	5.73	2.44
13 34 23 13-0021 SF 3' High Fiberglass Skirt.....	6.71	2.98
13 34 23 13-0022 Plywood, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0023 SF 1'-8" High 5/8" Plywood Skirt	5.53	2.59
13 34 23 13-0024 SF 3' High 5/8" Plywood Skirt.....	6.56	3.13
13 34 23 13-0025 Steel, Painted, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0026 SF 1'-8" High 26 Gauge Steel Skirt	6.12	2.44
13 34 23 13-0027 SF 3' High 26 Ga. Steel Skirt.....	7.15	2.98
13 34 23 13-0028 14" x 14" Access Hatch (13 34 23 13-0014)		
Note: Simple design.		
13 34 23 13-0029 EA 14" x 14" Vinyl Covered Access Hatch	152.87	57.21
13 34 23 13-0030 EA 14" x 14" Fiberglass Access Hatch	135.46	57.21
13 34 23 13-0031 EA 14" x 14" Plywood Access Hatch	151.94	57.21
13 34 23 13-0032 EA 14" x 14" 26 Gauge Steel Access Hatch.....	152.70	57.21



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0033		Aluminum Modular Access Ramp <small>(13 34 23 13-0014)</small> Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	1,801.58	19.08
13 34 23 13-0035	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	1,824.47	24.80
13 34 23 13-0036	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	3,745.38	38.14
13 34 23 13-0037	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,033.38	38.14
13 34 23 13-0038	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,896.47	24.80
13 34 23 13-0039	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,873.58	19.08
13 34 23 13-0040	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,614.67	24.80
13 34 23 13-0041	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,861.37	24.80
13 34 23 13-0042	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,861.37	24.80
13 34 23 13-0043	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,116.07	24.80
13 34 23 13-0044	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,368.97	24.80
13 34 23 14		Fabricated Classroom Buildings <small>(13 34 23)</small>		
13 34 23 14-0001		Semi Permanent Modular Transportable Buildings <small>(13 34 23 14)</small>		
13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	48.71	
		For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
		For Each Delivery And Set-Up (Block And Level), Add	2,602.88	
		For Each Knock-Down And Pick-Up, Add	1,952.88	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	50.16	
		For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
		For Each Delivery And Set-Up (Block And Level), Add	2,602.88	
		For Each Knock-Down And Pick-Up, Add	1,952.88	
13 34 23 16		Fabricated Control Booths <small>(13 34 23)</small>		
13 34 23 16-0001		Fabricated Parking Attendant Booths <small>(13 34 23 16)</small> Note: Excludes foundations and slab.		
13 34 23 16-0002	EA	Parking Booth For Attendant	1,053.32	
13 34 23 31		Fabricated Pavilion Style Buildings <small>(13 34 23)</small>		
13 34 23 31-0001		Pavilion Style Metal Shelter Structures <small>(13 34 23 31)</small> Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002	EA	12' x 12' Metal Shelter Structure	7,552.51	1,646.83
13 34 23 31-0003	EA	16' x 16' Metal Shelter Structure	8,821.32	1,718.45
13 34 23 31-0004	EA	16' x 32' Metal Shelter Structure	11,171.91	1,833.02
13 34 23 31-0005	EA	20' x 20' Metal Shelter Structure	10,505.74	1,775.74
13 34 23 31-0006	EA	20' x 30' Metal Shelter Structure	12,941.78	1,947.59
13 34 23 31-0007	EA	20' x 40' Metal Shelter Structure	15,351.88	2,004.87
13 34 23 31-0008	EA	24' x 24' Metal Shelter Structure	12,769.64	1,833.02
13 34 23 31-0009	EA	24' x 48' Metal Shelter Structure	17,959.99	2,291.27
13 34 23 31-0010	EA	30' x 30' Metal Shelter Structure	17,285.01	2,291.27
13 34 23 31-0011	EA	30' x 60' Metal Shelter Structure	31,310.12	2,864.09
13 34 23 31-0012	EA	40' x 40' Metal Shelter Structure	29,290.69	3,579.47
13 34 23 31-0013	EA	40' x 60' Metal Shelter Structure	42,033.09	4,009.73
13 40		Integrated Construction <small>(13)</small>		
13 42		Building Modules <small>(13 40)</small>		
13 42 63		Detention Cell Modules <small>(13 42)</small>		
13 42 63 16		Steel Detention Cell Modules <small>(13 42 63)</small>		
13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide	8,184.46	670.26
		Note: With hardware.		
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot	16,072.11	897.49
		Note: Not including plumbing.		
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers	69.93	6.36
		Note: Includes 12 gauge steel frame and concealment plates.		
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels	53.54	6.36
		Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.		
13 42 63 16-0005	SF	Perforated Metal Crime Shield	49.31	2.63
13 47		Facility Protection <small>(13 40)</small>		
13 47 13		Cathodic Protection <small>(13 47)</small>		
13 47 13 13		Cathodic Protection for Underground and Submerged Piping <small>(13 47 13)</small>		
13 47 13 13-0001		Anodes <small>(13 47 13 13)</small>		

13 Special Construction**13 40 Integrated Construction****13 47 Facility Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13	13-0002		Magnesium Type, Conventional (13 47 13 13-0001)		
	13 47 13 13-0003	EA	9 LB Magnesium Type Anodes.....	289.48	120.08
	13 47 13 13-0004	EA	17 LB Magnesium Type Anodes.....	433.56	173.56
	13 47 13 13-0005	EA	32 LB Magnesium Type Anode.....	603.90	223.27
	13 47 13 13-0006	EA	48 LB Magnesium Type Anode.....	864.49	312.40
13 47 13	13-0007		Graphite Type (13 47 13 13-0001)		
			Note: Includes epoxy cap.		
	13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	439.36	166.88
	13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	709.42	233.03
	13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	561.85	145.84
	13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	888.37	194.69
13 47 13	13-0012		Rectifiers (13 47 13 13)		
13 47 13	13-0013		Air Cooled, Silicon Type (13 47 13 13-0012)		
	13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,272.16	236.80
	13 47 13 13-0015	EA	Air Cooled Rectifiers, 20V/20A Silicon Type.....	1,371.81	236.80
13 47 13	13-0016		Oil Immersed, Silicon Type (13 47 13 13-0012)		
	13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,899.42	273.81
	13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20V/20A Silicon Type	2,006.20	273.81
13 47 13	13-0019		Anode Backfill (13 47 13 13)		
	13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	0.82	0.30
13 47 13	13-0021		Cathodic Protection Cable (13 47 13 13)		
	13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	1,534.93	583.33
	13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	1,698.17	583.33
	13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	1,943.01	583.33
	13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	2,351.09	583.33
	13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	2,915.47	642.71
	13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	3,221.53	642.71
	13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	3,731.64	642.71
	13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	5,071.13	700.60
13 47 13	13-0030		Cathodic Test Stations (13 47 13 13)		
13 47 13	13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0030)		
	13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	241.89	68.24
13 47 13 16			Cathodic Protection for Underground Storage Tank (13 47 13)		
			See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48			Sound, Vibration, And Seismic Control (13 40)		
13 48 63			Fabricated Seismic Control Assemblies (13 48)		
13 48 63 00-0001			Seismic Bracing Assembly (13 48 63)		
	13 48 63 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace.....	109.98	
			Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
	13 48 63 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	100.76	
			Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	150.90	
			Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	195.31	
			Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	187.43	
			Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	278.04	
			Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	368.67	
			Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener	122.02	
			Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener	179.93	
			Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
	13 48 63 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener	237.86	
			Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012			Seismic Brace Components (13 48 63)		
	13 48 63 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1.....	19.22	
			Note: To be used with 7x19 stranded cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2..... Note: To be used with 7x19 stranded cable.	25.60	
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3..... Note: To be used with 7x19 stranded cable.	33.25	
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4..... Note: To be used with 7x19 stranded cable.	44.72	
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor; Mason SSB-1..... Note: To be used with angle or channel.	18.18	
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor; Mason SSB-2..... Note: To be used with angle or channel.	23.79	
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor; Mason SSB-3..... Note: To be used with angle or channel.	30.61	
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor; Mason SSB-4..... Note: To be used with angle or channel.	40.63	
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1..... Note: To be used with 7x19 stranded cable.	21.59	
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2..... Note: To be used with 7x19 stranded cable.	27.80	
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3..... Note: To be used with 7x19 stranded cable.	37.82	
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	36.22	
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	50.05	
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	67.49	
13 48 63 00-0027 EA Seismic Rod Clamp; Mason SRC-1..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	15.72	
13 48 63 00-0028 EA Seismic Rod Clamp; Mason SRC-1 1/2..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	18.93	
13 48 63 00-0029 EA Seismic Rod Clamp; Mason SRC-2..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	23.34	
13 48 63 00-0030 Seismic Restraints (13 48 63)		
13 48 63 00-0031 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole..... Note: Adhesive applied.	2.98	0.75
13 48 63 00-0032 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	2.22	0.38
13 48 63 00-0033 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole..... Note: Adhesive applied.	3.89	0.95
13 48 63 00-0034 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied.....	2.85	0.47
13 48 63 00-0035 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied.....	3.59	0.54
13 48 63 00-0036 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied.....	5.90	0.66
13 48 63 00-0037 LF 3/4" Wide Seismic Strap, Gray.....	150.49	0.56
13 48 63 00-0038 LF 1" Wide Seismic Strap, Gray.....	262.79	0.56
13 48 63 00-0039 EA 3/4" Wide x 4" Long Seismic Strap, Gray.....	1.30	0.38
13 48 63 00-0040 EA 3/4" Wide x 12" Long Seismic Strap, Gray.....	5.67	1.14
13 48 63 00-0041 LF Seismic Chord, Black.....	269.51	0.56
13 48 63 00-0042 LF SAFELOK Seismic Fastener, Black.....	2.15	0.56
13 49 Radiation Protection (13 40)		
13 49 13 Integrated X-Ray Shielding Assemblies (13 49)		
13 49 13 00-0001 Lead Shielding (13 49 13)		
See CSI section 09 29 00 00-0054 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding.....	16.25	4.54
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding.....	24.18	4.91
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding.....	38.82	5.30
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding.....	70.06	6.81
13 49 16 Modular X-Ray Shielding Rooms (13 49)		
13 49 16 00-0001 X-Ray Barriers, Modular (13 49 16)		
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 1-Section Barrier, 36"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,501.17	98.67
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,648.85	98.67
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,747.38	118.41
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,924.60	118.41
13 49 16 00-0007 2-Section Barrier, 72"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,307.37	157.87
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,514.12	157.87
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,701.31	177.60
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	6,154.24	197.34

13 Special Construction**13 40 Integrated Construction****13 49 Radiation Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0012 3-Section Barrier, 108"W x 84"H <small>(13 49 16 00-0001)</small>		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,015.03	197.34
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,399.00	197.34
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,625.62	236.80
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	9,255.75	256.54
13 49 16 00-0017 X-Ray Barriers, Mobile <small>(13 49 16)</small> Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018 30"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0019 EA 24"H Upper With 0.5mm LE, 48"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	1,662.32	18.91
13 49 16 00-0020 48"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0021 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	2,932.37	18.91
13 49 16 00-0022 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,523.10	18.91
13 49 16 00-0023 72"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0024 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,464.03	18.91
13 49 16 00-0025 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	4,379.65	18.91
13 49 19 Lead-Lined Materials <small>(13 49)</small>		
13 49 19 16 Lead-Lined Drywall <small>(13 49 19)</small>		
13 49 19 16-0001 Lead Lined Drywall <small>(13 49 19 16)</small> See CSI section 09 29 00 00-0054 for finishing tasks.		
13 49 19 16-0002 SF 1/32" Lead Lined 5/8" Fire Rated Drywall	7.89	0.99
13 49 19 16-0003 SF 1/16" Lead Lined 5/8" Fire Rated Drywall	12.41	1.19
13 49 19 16-0004 SF 1/8" Lead Lined 5/8" Fire Rated Drywall	21.14	1.43

END OF SECTION 13



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation And Maintenance Of Elevators ^(14 01)

14 01 20 00-0001 Elevator Maintenance ^(14 01 20)

14 01 20 00-0002	EA	Regular Elevator Inspection, Electric Up To 10 Floors (Sufficient For Issue Of Certificate/Permit)	770.16
14 01 20 00-0003	EA	Regular Elevator Inspection, Electric Over 10 Floors (Sufficient For Issue Of Certificate/Permit)	962.70
14 01 20 00-0004	EA	Regular Elevator Inspection, Hydraulic (Sufficient For Issue Of Certificate/Permit)	577.63
14 01 20 00-0005	EA	Regular Elevator Inspection, Roped Hydraulic (Sufficient For Issue Of Certificate/Permit)	625.76
14 01 20 00-0006	EA	Regular Elevator Inspection, Dumbwaiters/Cart Lifts (Sufficient For Issue Of Certificate/Permit)	168.48
14 01 20 00-0007	HR	Elevator Servicing, Labor Only	134.57
14 01 20 00-0008	EA	Full Load Test For Traction And Winding Drum Elevator Up To 10 Floors	678.39
14 01 20 00-0009	EA	Full Load Test For Traction And Winding Drum Elevator Over 10 Floors	774.66
14 01 20 00-0010	EA	Full Load Test For Hydraulic Elevator	485.85
14 01 20 00-0011	EA	Full Load Test For Roped Hydraulic Elevator	606.18
14 01 20 00-0012	EA	Full Load Test For Dumbwaiters/Cart Lifts	558.05
14 01 20 00-0013	EA	Acceptance Test Of Traction And Winding Drum Elevator Up To 10 Floors	2,888.12
14 01 20 00-0014	EA	Acceptance Test Of Traction And Winding Drum Elevator Over 10 Floors	3,176.93
14 01 20 00-0015	EA	Acceptance Test Of Hydraulic Elevator	2,743.71
14 01 20 00-0016	EA	Acceptance Test Of Roped Hydraulic Elevator	2,839.98
14 01 20 00-0017	EA	Acceptance Test Of Dumbwaiters/Cart Lifts	1,684.74

14 01 20 00-0018 Elevator Modernization ^(14 01 20)

Note: Includes removal of existing and replacement with new.

14 01 20 00-0019	EA	4" Piston (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	18,440.78
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 00-0020	EA	6" Piston (Hydraulic) Unit Up To 3 Stories (2,500 LB x 100 FPM)	22,765.33
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 00-0021	EA	8" Piston (Hydraulic) Unit Up To 3 Stories (3,000 LB x 100 FPM)	35,006.51
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 00-0022	EA	10" Piston (Hydraulic) Unit Up To 3 Stories (4,000 LB x 100 FPM)	48,451.20
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 00-0023	EA	12" Piston (Hydraulic) Unit Up To 3 Stories (6,000 LB x 100 FPM)	57,865.63
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 00-0024	EA	Replace Multi-Port Controller Valve System	8,238.02
14 01 20 00-0025	SET	Car Roller Guide Assembly, Set Of Four	3,717.49
14 01 20 00-0026	EA	New Door Opening, Excluding Buildback	7,192.56
14 01 20 00-0027	SF	Cab Flooring, Epoxy Aggregate Flooring	14.44
14 01 20 00-0028	SF	Cab Flooring, Aluminum Diamond Plate	35.30
14 01 20 00-0029	EA	Car Stop Electronic Leveling Device (Per Car)	3,713.58
14 01 20 00-0030	EA	Electronic Leveling Device At Stop (Per Stop)	820.35
14 01 20 00-0031	EA	Hoistway Door Hangers Set	725.75
14 01 20 00-0032	EA	Hoistway Door Closer Set	321.60
14 01 20 00-0033	EA	Hoistway Door Interlock Set	513.56
14 01 20 00-0034	EA	Fire Service Switch Controller	1,718.58
14 01 20 00-0035	EA	Car Door Operators With ADA Buzzer	6,723.67
14 01 20 00-0036	EA	Car Door Safety Edges (Infrared Proximity Type Edge)	4,862.21
14 01 20 00-0037	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,782.83
14 01 20 00-0038	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	454.54
14 01 20 00-0039	EA	Car Traveling Lanterns With Audible Signal	3,152.95
14 01 20 00-0040	EA	Hoistway Door Jam Floor Tags (Braille)	104.06
14 01 20 00-0041	EA	Lobby Vandal Resistant Call Station	609.96
14 01 20 00-0042	EA	Car Voice Synthesized Floor Announcement Module	3,209.49
14 01 20 00-0043	LF	Traveling Cable (140 Conductors, #16 AWG Type ETT)	15.77
14 01 20 00-0044	LF	Governor Cable	6.75
14 01 20 00-0045	EA	Cab Walls Coverings (3,500 LB, Rigid Stainless Steel)	10,014.06
14 01 20 00-0046	EA	Remove And Replace Governor	4,754.54

14 Conveying Equipment
14 01 Operation And Maintenance Of Conveying Equipment
14 01 20 Operation And Maintenance Of Elevators



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 00-0047 EA Remove And Replace Car Station	6,841.87	
14 01 20 00-0048 EA Remove And Replace Telephone	2,871.43	
14 01 20 00-0049 EA Remove And Replace Lanterns	2,105.07	
14 01 20 00-0050 EA Hall Call Buttons, Vandal Resistant	439.87	109.40
14 01 20 00-0051 EA Hall Traveling Lanterns With Audible Signal	822.20	153.17
14 01 20 00-0052 EA Add Raised Character (Braille) Signage To Control Panel	68.09	
14 01 20 00-0053 EA Reprogram Existing Controller, Signal Fixtures	18,945.97	
14 01 20 00-0054 EA New Walls And Platform, Plastic Laminate, For 5' x 7' Cab	6,914.78	437.62
14 01 20 00-0055 EA New Walls And Platform, Plastic Laminate With Shell, For 5' x 7' Cab	9,835.08	525.14
14 01 20 00-0056 EA Replace Elevator Or Hoistway Doors, Baked Enamel	8,499.42	612.66
14 01 20 00-0057 EA Reopening Device, Manual	3,437.18	306.33
14 01 20 00-0058 EA Reopening Device, Automatic	17,543.19	306.33
14 01 20 00-0059 EA Elevator Pit Ladder	1,173.90	350.09
14 01 20 00-0060 EA New Walls And Platform, Partial Cab Plastic Laminate, For 5' x 7' Cab	9,495.51	437.62
14 01 20 00-0061 LF Replace Lifting Cable, 3/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	12.49	6.56
14 01 20 00-0062 LF Replace Lifting Cable, 1/2" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 8.0, EHS Traction Steel - 9.7	13.89	6.56
14 01 20 00-0063 LF Replace Lifting Cable, 5/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	15.71	6.56
14 01 20 00-0064 EA Aluminum Handrail Spacers With Set Screw	22.45	4.82
14 01 20 00-0065 EA Bronze Handrail Spacers With Set Screw	36.35	4.82
14 01 20 00-0066 LF 1/2" x 2" Obround Stainless Steel Elevator Handrail	47.85	3.61
14 01 20 00-0067 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	66.02	3.61
14 01 20 00-0068 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	88.95	3.85
14 01 20 00-0069 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	103.44	3.61
14 01 20 00-0070 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	125.30	3.85
14 01 20 00-0071 LF 3/8" x 2" Flat Bar Bronze Elevator Handrail, Brushed Finish	80.99	3.61
14 01 20 00-0072 LF 3/8" x 3" Flat Bar Bronze Elevator Handrail, Brushed Finish	103.92	3.85
14 01 20 00-0073 LF 3/8" x 2" Flat Bar Bronze Elevator Handrail, Mirror Finish	110.92	3.61
14 01 20 00-0074 LF 3/8" x 3" Flat Bar Bronze Elevator Handrail, Mirror Finish	133.85	3.85
14 01 20 00-0075 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	69.92	3.61
14 01 20 00-0076 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	76.28	3.61
14 01 20 00-0077 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	102.21	3.85
14 01 20 00-0078 LF 3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	114.93	3.85
14 01 20 00-0079 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	107.18	3.61
14 01 20 00-0080 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	114.45	3.61
14 01 20 00-0081 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	133.11	3.85
14 01 20 00-0082 LF 3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	145.83	3.85
14 01 20 00-0083 LF 3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	80.99	3.61
14 01 20 00-0084 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	88.47	3.61
14 01 20 00-0085 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	118.89	3.85
14 01 20 00-0086 LF 3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	133.85	3.85
14 01 20 00-0087 LF 3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	124.82	3.61
14 01 20 00-0088 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	133.37	3.61
14 01 20 00-0089 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	155.24	3.85
14 01 20 00-0090 LF 3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	170.20	3.85

14 01 30 Operation And Maintenance Of Escalators And Moving Walks

14 01 30 00-0001 Maintenance (14 01 30)

14 01 30 00-0002 EA Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	577.63
14 01 30 00-0003 HR Escalator Servicing, Labor Only	96.27
14 01 30 00-0004 EA Acceptance Test Of Escalators And Moving Walks	3,176.93

14 01 30 00-0005 Modernization (14 01 30)

14 01 30 00-0006 EA Replace 28" Wide Escalator Stair Tread	1,724.94
14 01 30 00-0007 EA Replace 36" Wide Escalator Stair Tread	1,864.26
14 01 30 00-0008 EA Replace 48" Wide Escalator Stair Tread	1,971.05
14 01 30 00-0009 EA Replace 54" Wide Escalator Stair Tread	2,134.40
14 01 30 00-0010 LF Replace Sliding Handrail	156.89

14 20 Elevators (14)

Note: Excludes final electrical work or shaft walls.

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 3 stops and 3 openings with power doors. See CSI section 14 24 13 00-0011 for drilling piston hole.



Conveying Equipment	14	14
Elevators	14 20	
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002 EA Hydraulic Freight Elevator, 3,000 LB x 50 FPM	125,554.92	7,375.59
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-11,080.38	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0003 EA Hydraulic Freight Elevator, 4,000 LB x 50 FPM	137,011.19	7,877.10
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-12,125.70	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0004 EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM	158,642.66	8,239.62
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-14,216.34	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0005 EA Hydraulic Freight Elevator, 3,000 LB x 100 FPM	140,357.01	7,459.35
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-12,543.83	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 4,000 LB x 100 FPM.....	149,746.37	7,972.76
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,380.08	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 6,000 LB x 100 FPM.....	173,701.47	8,451.86
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-15,679.78	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 3,000 LB x 150 FPM.....	152,900.83	7,459.35
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,798.21	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 4,000 LB x 150 FPM.....	164,676.72	8,120.76
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-14,843.53	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	



Conveying Equipment	14	14
Elevators	14 20	
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010 EA Hydraulic Freight Elevator, 6,000 LB x 150 FPM.....	186,578.20	8,618.25
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-16,934.17	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)		
14 24 13 00-0012 VLF Up To 6" Diameter Piston Drilling	55.77	
Note: Includes casing.		
14 24 13 00-0013 VLF 8" To 10" Diameter Piston Drilling.....	65.82	
Note: Includes casing.		
14 24 13 00-0014 VLF 12" To 16" Diameter Piston Drilling.....	73.26	
Note: Includes casing.		
14 24 13 00-0015 VLF 18" Diameter Piston Drilling.....	83.01	
Note: Includes casing.		
14 24 23 Hydraulic Passenger Elevators (14 24)		
14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)		
Note: Baked enamel shaft doors and plastic laminated trimmed cab, allowance of \$4000. Unit prices are based on a shaft of 3 stops and 3 openings. See CSI section 14 24 13 00-0011 for drilling piston hole.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,000 LB x 50 FPM.....	104,064.86	7,083.70
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 50 FPM.....	108,829.82	7,375.59
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0004 EA Hydraulic Passenger Elevator, 3,000 LB x 50 FPM.....	118,258.71	7,908.69
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0005 EA Hydraulic Passenger Elevator, 2,000 LB x 100 FPM.....	114,055.36	7,375.59
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	120,574.86	8,021.51
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	126,809.54	8,525.03
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 2,000 LB x 150 FPM	122,587.64	7,459.35
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0009	EA		Hydraulic Passenger Elevator, 2,500 LB x 150 FPM	133,871.23	8,397.78
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0010	EA		Hydraulic Passenger Elevator, 3,000 LB x 150 FPM	144,238.03	9,399.91
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0011			Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23) Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0012	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	83,962.76	7,375.59
14 24 23 00-0013	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	62,935.07	6,301.68
14 26			Limited-Use/Limited-Application Elevators ^(14 26)		
14 26 00 00-0001			Small Elevators, 1 Passenger Capacity ^(14 26) Note: 400 lb capacity, 28 FPM rated, 220V, automatic operation. Includes cab interiors.		
14 26 00 00-0002	EA		2 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	32,817.92	3,645.62
14 26 00 00-0003	EA		3 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	37,835.58	4,557.03
14 26 00 00-0004	EA		4 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	42,872.51	5,468.43
14 26 00 00-0005			Small Elevators, 2 To 3 Passenger Capacity ^(14 26) Note: 750 lb capacity, 36 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0006	EA		2 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	47,462.02	5,468.43
14 26 00 00-0007	EA		3 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	53,970.99	6,379.84
14 26 00 00-0008	EA		4 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	60,457.11	7,291.24
14 26 00 00-0009	EA		5 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	67,565.80	8,202.65
14 26 00 00-0010	EA		6 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	76,189.97	9,569.75



Conveying Equipment		14
Elevators		14 20
Limited-Use/Limited-Application Elevators		14 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 26 00 00-0011 EA 7 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	85,332.64	10,936.86
14 26 00 00-0012 Small Elevators, 4 To 6 Passenger Capacity ^(14 26) Note: 1500 lb capacity, 42 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0013 EA 2 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	73,631.41	8,921.47
For #4 Brushed Stainless Steel Doors, Add	111.58	
For Wrap Around Front, Add	55.79	
For Metal Hand Rails, Add	278.94	
For Wood Hand Rails, Add	418.41	
For Red Oak Side Panels, Add	1,673.65	
14 26 00 00-0014 EA 3 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	84,130.81	10,675.75
For #4 Brushed Stainless Steel Doors, Add	125.56	
For Wrap Around Front, Add	62.78	
For Metal Hand Rails, Add	313.90	
For Wood Hand Rails, Add	470.85	
For Red Oak Side Panels, Add	1,883.38	
14 26 00 00-0015 EA 4 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	95,107.35	12,668.53
For #4 Brushed Stainless Steel Doors, Add	139.54	
For Wrap Around Front, Add	69.77	
For Metal Hand Rails, Add	348.85	
For Wood Hand Rails, Add	523.28	
For Red Oak Side Panels, Add	2,093.11	

14 90 Other Conveying Equipment ⁽¹⁴⁾

14 91 Facility Chutes ^(14 90)

14 91 82 Trash Chutes ^(14 91)

14 91 82 00-0001 Trash Chutes ^(14 91 82)

14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	22.38	3.18
For Aluminum, Add	1.63	
For Stainless Steel, Add	5.71	
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	28.67	3.18
For Aluminum, Add	2.21	
For Stainless Steel, Add	7.73	
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	31.62	3.97
For Aluminum, Add	2.45	
For Stainless Steel, Add	8.57	
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	48.06	3.97
For Aluminum, Add	4.03	
For Stainless Steel, Add	14.11	
14 91 82 00-0006 EA Trash Chutes, Hopper	373.00	22.22
For Aluminum, Add	32.83	
For Stainless Steel, Add	114.90	
14 91 82 00-0007 EA Trash Chutes, Skylight.....	201.67	43.64
For Aluminum, Add	11.42	
For Stainless Steel, Add	39.97	
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top	150.57	47.60
For Aluminum, Add	5.00	
For Stainless Steel, Add	17.49	
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper	42.09	16.66
For Aluminum, Add	0.86	
For Stainless Steel, Add	3.00	
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit	337.00	59.51
For Aluminum, Add	21.13	
For Stainless Steel, Add	73.94	
14 91 82 00-0011 EA Hopper Doors	719.56	44.80

14 91 82 00-0012 Aluminized Steel Trash Chutes And Accessories ^(14 91 82)

Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.

14 91 82 00-0013 EA Refuse Bottom Hopper, Aluminum , 18" Diameter.....	1,405.49	199.11
14 91 82 00-0014 FLR 18" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	501.77	222.60
14 91 82 00-0015 FLR 24" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	584.57	243.48
14 91 82 00-0016 FLR 30" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	656.26	259.68
14 91 82 00-0017 FLR 36" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	716.15	278.23
14 91 82 00-0018 EA Refuse Bottom Hopper, 36" Aluminized Steel, With Sprinklers	618.86	259.68

14 92 Pneumatic Tube Systems ^(14 90)

14 92 00 00-0001 Pneumatic Message Tube Station ^(14 92)

Note: Twin tube, two or more stations, conventional

14 92 00 00-0002 LF 2-1/2" Tube With Bracketing	39.29	10.84
14 92 00 00-0003 LF 3" Tube With Bracketing	47.14	14.60
14 92 00 00-0004 LF 4" Tube With Bracketing	52.73	13.35
14 92 00 00-0005 LF 6" Tube With Bracketing	65.89	16.68
14 92 00 00-0006 LF 4" x 7" Oval Tube With Bracketing.....	68.39	17.93
14 92 00 00-0007 EA Blower Assembly	7,431.49	333.57

14	Conveying Equipment
14 90	Other Conveying Equipment
14 92	Pneumatic Tube Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 92 00 00-0008 EA Receiving Station, Round Or Oval	640.81	88.81
14 92 00 00-0009 EA Multi-Sided Dispatching Station, 3 Carrier	1,333.09	125.09
14 92 00 00-0010 EA Laboratory Receiving Station, Round Or Oval	948.02	112.58
14 92 00 00-0011 EA 2-Way Diverter Station	1,651.92	125.09
14 92 00 00-0012 EA 3-Way Diverter Station	2,105.88	145.94
14 92 00 00-0013 EA 4-Way Diverter Station	2,526.87	166.78

END OF SECTION 14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 00-0001	EA	Relocate Sprinkler Head And Branch Piping ^(21 01 10)	
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.			
21 01 10 00-0002	EA	Relocate Existing Sprinkler Head And Branch Piping.....	36.76
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.			
21 01 10 00-0003		Sprinkler Upgrades ^(21 01 10)	
21 01 10 00-0004	LF	Bleed Existing Lines Of Water	0.40
21 01 10 00-0005	LF	Refill Existing Lines With Water	0.48

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 00-0001	EA	Inspection And Recharge ^(21 01 30)	
21 01 30 00-0002	EA	Inspection, CO2, Carbon Dioxide	131.71
21 01 30 00-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	1.07
21 01 30 00-0004	EA	Inspection, Halon 1301	131.71
21 01 30 00-0005	LB	Refill/Recharge, Halon 1301	25.68
21 01 30 00-0006	EA	Inspection, WC, Wet Chemical	79.63
21 01 30 00-0007	GAL	Refill/Recharge, WC, Wet Chemical	24.08
21 01 30 00-0008	EA	Inspection, DC, Dry Chemical	79.63
21 01 30 00-0009	LB	Refill/Recharge, DC, Dry Chemical	2.14
21 01 30 00-0010	EA	Hydrostatic Testing, All Sizes, All Agents	24.50
See CSI section 23 05 93 00-0046 for testing existing piping systems.			
21 01 30 00-0011	EA	Disarm/Arm System	42.88

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements For Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 19 Meters And Gages For Fire-Suppression Systems ^(21 05)

21 05 19 00-0001	EA	Fire Service Meter Cast Iron Housing ^(21 05 19)	
21 05 19 00-0002	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	3,069.04
For >10 To 25, Deduct			-153.45
For >25, Deduct			-406.77
21 05 19 00-0003	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	5,947.57
For >10 To 25, Deduct			-297.38
For >25, Deduct			-817.80
21 05 19 00-0004	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	8,216.69
For >10 To 25, Deduct			-410.83
For >25, Deduct			-1,114.46
21 05 19 00-0005	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	10,451.49
For >10 To 25, Deduct			-522.57
For >25, Deduct			-1,441.25
21 05 19 00-0006	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	14,489.56
For >10 To 25, Deduct			-724.48
For >25, Deduct			-2,024.54

21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping ^(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment ^(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls For Fire-Suppression Piping And Equipment ^(21 05)

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 48 Vibration And Seismic Controls For Fire-Suppression Piping And Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 23 05 48 00-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment (21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation (21)**21 07 19 Fire-Suppression Piping Insulation (21 07)**

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems (21)

See CSI section 22 11 16 00-0285 for copper pipe, 22 11 16 00-0721 for CPVC pipe, 23 05 23 00-0044 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping (21 10)**21 11 19 Fire-Department Connections (21 11)****21 11 19 00-0001 Fire Department Connections (21 11 19)**

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	502.36	202.33
		<i>For Polished Chrome, Add</i>	24.48	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	683.10	252.91
		<i>For Polished Chrome, Add</i>	37.47	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	686.35	202.33
		<i>For Polished Chrome, Add</i>	47.47	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	898.93	252.91
		<i>For Polished Chrome, Add</i>	64.45	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	951.69	252.91
		<i>For Polished Chrome, Add</i>	71.05	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	843.73	267.67
		<i>For Polished Chrome, Add</i>	54.79	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	558.02	202.33
		<i>For Polished Chrome, Add</i>	31.44	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated (21 11 19)

See CSI section 33 12 16 00-0140 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve	568.37	213.28
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Note: The wall flange is tapped for a 4" diameter schedule 40 steel pipe which extends through wall.

21 12 Fire-Suppression Standpipes (21 10)**21 12 13 Fire-Suppression Hoses And Nozzles (21 12)****21 12 13 00-0001 Fire Hose (21 12 13)****21 12 13 00-0002 Fire Hose Without Couplings (21 12 13 00-0001)**

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.70	1.22
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.01	1.22
21 12 13 00-0005	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.79	1.22
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.14	1.22
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.00	1.22
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.56	1.22
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.09	1.22
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.75	1.22

21 12 13 00-0011 Fire Hose With Aluminum Couplings (21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	2.82	0.68
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	3.45	0.80
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	5.44	0.80

21 12 13 00-0015 Fire Hose Accessories (21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	59.43	20.21
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	83.78	22.66
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	42.34	15.93
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	76.42	15.93
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	61.84	15.93
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	85.96	15.93
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	151.89	67.39
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	197.53	67.39

21 12 23 Fire-Suppression Hose Valves (21 12)**21 12 23 00-0001 Standpipe Valves (21 12 23)**

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	365.08	133.84
		<i>For Polished Chrome, Add</i>	24.36	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	557.31	133.78
		<i>For Polished Chrome, Add</i>	53.19	



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Standpipes	21 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0004	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	708.42 73.37	144.71
21 12 23 00-0005	EA		3" x 3" x 4" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	834.32 94.74	133.78
21 12 23 00-0006	EA		3" x 3" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	975.39 113.41	144.71
21 12 23 00-0007	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	527.87 48.78	133.78
21 12 23 00-0008	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	754.59 80.29	144.71
21 12 23 00-0009	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	948.61 88.72	138.11
21 12 23 00-0010	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	1,341.55 133.08	153.44
21 12 23 00-0011	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	1,014.85 96.67	138.11
21 12 23 00-0012	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	1,441.36 145.06	153.44
21 12 23 00-0013	EA		2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	2,019.48 174.05	184.10
21 12 23 00-0014			Fire Hose Cabinet Angle Valves <small>(21 12 23)</small>		
21 12 23 00-0015	EA		1-1/2" Fire Hose Angle Valve, Cast Brass.....	117.72	
21 12 23 00-0016	EA		2-1/2" Fire Hose Angle Valve, Cast Brass.....	199.05	27.57
21 12 29			Fire-Suppression Fire Hose Equipment <small>(21 12)</small>		
21 12 29 00-0001			Standpipe And Fire Hose Equipment <small>(21 12 29)</small>		
21 12 29 00-0002	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	976.23	331.77
21 12 29 00-0003	EA		Water Motor Gong.....	332.30	97.49
21 12 29 00-0004	EA		Fire Riser Flow Switch (NFPA 13).....	219.15	11.34
21 12 29 00-0005	EA		Water Flow Supervisory (Tamper) Switch Mounted On Valve.....	126.17	19.40
21 12 29 00-0006	EA		Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe.....	208.57	59.70
21 12 29 00-0007	EA		Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	301.30	79.10
21 12 29 00-0008	EA		Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	459.18	89.55
21 12 29 00-0009	EA		Vane-Type Water Flow Switch For Up To 2-1/2" Pipe.....	256.82	59.70
21 12 29 00-0010	EA		Vane-Type Water Flow Switch For >2-1/2" To 4" Pipe.....	360.41	79.10
21 12 29 00-0011	EA		Vane-Type Water Flow Switch For >4" To 8" Pipe.....	552.90	89.55
21 12 29 00-0012	EA		Lever Type Bleeder Valve; Potter BVL.....	88.45	19.40
21 13			Fire-Suppression Sprinkler Systems <small>(21 10)</small>		
21 13 13			Wet-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 13 00-0001			Complete Sprinkler System Costs <small>(21 13 13)</small> Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 13 00-0002			Light Hazard, Prices Per Head <small>(21 13 13 00-0001)</small>		
21 13 13 00-0003	EA		Exposed Piping, Wet Automatic Sprinkler System, Light Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads.	242.97	
			<i>For Copper Pipe, Add</i>	28.59	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-40.74	
			<i>For Up To 5, Add</i>	112.90	
			<i>For >5 To 10, Add</i>	72.16	
			<i>For >10 To 20, Add</i>	47.87	
			<i>For >20 To 40, Add</i>	20.01	
			<i>For >100 To 150, Deduct</i>	-24.30	
			<i>For >150, Deduct</i>	-48.59	
21 13 13 00-0004	EA		Concealed Piping, Wet Automatic Sprinkler System, Light Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	324.22	
			<i>For Copper Pipe, Add</i>	37.06	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-53.28	
			<i>For Up To 5, Add</i>	152.83	
			<i>For >5 To 10, Add</i>	99.55	
			<i>For >10 To 20, Add</i>	67.13	
			<i>For >20 To 40, Add</i>	27.78	
			<i>For >100 To 150, Deduct</i>	-32.42	
			<i>For >150, Deduct</i>	-64.84	
21 13 13 00-0005			Ordinary Hazard, Prices Per Head <small>(21 13 13 00-0001)</small>		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0006	EA		Exposed Piping, Wet Automatic Sprinkler System, Ordinary Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads.	241.87	
			<i>For Copper Pipe, Add</i>	28.52	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-40.61	
			<i>For Up To 5, Add</i>	112.27	
			<i>For >5 To 10, Add</i>	71.66	
			<i>For >10 To 20, Add</i>	47.47	
			<i>For >20 To 40, Add</i>	19.86	
			<i>For >100 To 150, Deduct</i>	-24.19	
			<i>For >150, Deduct</i>	-48.37	
21 13 13 00-0007	EA		Concealed Piping, Wet Automatic Sprinkler System, Ordinary Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	321.23	
			<i>For Copper Pipe, Add</i>	36.77	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-52.83	
			<i>For Up To 5, Add</i>	151.32	
			<i>For >5 To 10, Add</i>	98.49	
			<i>For >10 To 20, Add</i>	66.37	
			<i>For >20 To 40, Add</i>	27.48	
			<i>For >100 To 150, Deduct</i>	-32.12	
			<i>For >150, Deduct</i>	-64.25	
21 13 13 00-0008			Extra Hazard, Prices Per Head (21 13 13 00-0001)		
21 13 13 00-0009	EA		Exposed Piping, Wet Automatic Sprinkler System, Extra Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads.	223.92	
			<i>For Copper Pipe, Add</i>	26.36	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-37.56	
			<i>For Up To 5, Add</i>	104.03	
			<i>For >5 To 10, Add</i>	66.47	
			<i>For >10 To 20, Add</i>	44.08	
			<i>For >20 To 40, Add</i>	18.42	
			<i>For >100 To 150, Deduct</i>	-22.39	
			<i>For >150, Deduct</i>	-44.78	
21 13 13 00-0010	EA		Concealed Piping, Wet Automatic Sprinkler System, Extra Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	297.94	
			<i>For Copper Pipe, Add</i>	34.06	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-48.95	
			<i>For Up To 5, Add</i>	140.45	
			<i>For >5 To 10, Add</i>	91.49	
			<i>For >10 To 20, Add</i>	61.70	
			<i>For >20 To 40, Add</i>	25.53	
			<i>For >100 To 150, Deduct</i>	-29.79	
			<i>For >150, Deduct</i>	-59.59	
21 13 13 00-0011			Wet-Pipe Sprinkler Components (21 13 13)		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			Sprinkler Heads (21 13 13 00-0011)		
21 13 13 00-0013	EA		Pendant Brass Sprinkler Heads, Standard Response.....	41.65	15.32
			<i>For Chrome, Add</i>	1.65	
21 13 13 00-0014	EA		Upright Brass Sprinkler Heads.....	35.18	15.32
			<i>For Chrome, Add</i>	1.14	
21 13 13 00-0015	EA		Sidewall, Vertical, Brass Sprinkler Heads.....	36.91	15.32
			<i>For Chrome, Add</i>	1.40	
21 13 13 00-0016	EA		Sidewall, Horizontal, Brass Sprinkler Heads.....	35.11	15.32
			<i>For Chrome, Add</i>	1.13	
21 13 13 00-0017	EA		Nipple, Adjustable, Fire Sprinkler System.....	60.82	6.09
21 13 13 00-0018	EA		Standard Duty Sprinkler Head Guard, 1 Piece.....	14.28	6.09
21 13 13 00-0019	EA		Heavy Duty Sprinkler Head Guard, 2 Piece.....	23.42	6.09
21 13 13 00-0020			Wet Pipe Alarm Valves (21 13 13 00-0011)		
21 13 13 00-0021	EA		2" Alarm Valve - Wet System.....	1,148.33	507.60
21 13 13 00-0022	EA		3" Alarm Valve - Wet System.....	1,542.13	692.92
21 13 13 00-0023	EA		4" Alarm Valve - Wet System.....	2,497.37	970.09
21 13 13 00-0024	EA		6" Alarm Valve - Wet System.....	2,856.21	1,146.19
21 13 13 00-0025	EA		8" Alarm Valve - Wet System.....	4,006.88	1,260.81
21 13 13 00-0026			Flexible Sprinkler Piping (21 13 13 00-0011)		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0027	EA		2' Long Stainless Steel Flexible Sprinkler Piping..... Note: Includes ceiling mounting bracket.	44.93	9.50
21 13 13 00-0028	EA		3' Long Stainless Steel Flexible Sprinkler Piping..... Note: Includes ceiling mounting bracket.	49.87	9.80
21 13 13 00-0029	EA		4' Long Stainless Steel Flexible Sprinkler Piping..... Note: Includes ceiling mounting bracket.	54.90	10.42
21 13 13 00-0030	EA		5' Long Stainless Steel Flexible Sprinkler Piping..... Note: Includes ceiling mounting bracket.	60.08	11.02
21 13 13 00-0031	EA		6' Long Stainless Steel Flexible Sprinkler Piping..... Note: Includes ceiling mounting bracket.	65.41	12.26



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	21 13 16			Dry-Pipe Sprinkler Systems <small>(21 13)</small>		
	21 13 16 00-0001			Complete Sprinkler System Costs <small>(21 13 16)</small>		
				Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
	21 13 16 00-0002			Light Hazard, Prices Per Head <small>(21 13 16 00-0001)</small>		
	21 13 16 00-0003	EA		Exposed Piping, Dry Automatic Sprinkler System, Light Hazard.....	263.70	
				Note: Includes branch pipe and fittings, supports and sprinkler heads.		
				For Up To 5, Add	122.68	
				For >5 To 10, Add	69.37	
				For >10 To 20, Add	52.17	
				For >20 To 40, Add	21.79	
				For >100 To 150, Deduct	-26.37	
				For >150, Deduct	-52.74	
				For Copper Pipe, Add	30.95	
				For Polyvinyl Chloride (PVC) Pipe, Deduct	-44.14	
	21 13 16 00-0004	EA		Concealed Piping, Dry Automatic Sprinkler System, Light Hazard.....	333.23	
				Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
				For Up To 5, Add	156.63	
				For >5 To 10, Add	91.66	
				For >10 To 20, Add	68.32	
				For >20 To 40, Add	28.33	
				For >100 To 150, Deduct	-33.32	
				For >150, Deduct	-66.65	
				For Copper Pipe, Add	38.32	
				For Polyvinyl Chloride (PVC) Pipe, Deduct	-54.98	
	21 13 16 00-0005			Ordinary Hazard, Prices Per Head <small>(21 13 16 00-0001)</small>		
	21 13 16 00-0006	EA		Exposed Piping, Dry Automatic Sprinkler System, Ordinary Hazard.....	266.93	
				Note: Includes branch pipe and fittings, supports and sprinkler heads.		
				For Up To 5, Add	123.76	
				For >5 To 10, Add	69.16	
				For >10 To 20, Add	52.17	
				For >20 To 40, Add	21.84	
				For >100 To 150, Deduct	-26.69	
				For >150, Deduct	-53.39	
				For Copper Pipe, Add	31.55	
				For Polyvinyl Chloride (PVC) Pipe, Deduct	-44.89	
	21 13 16 00-0007	EA		Concealed Piping, Dry Automatic Sprinkler System, Ordinary Hazard.....	334.85	
				Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
				For Up To 5, Add	156.99	
				For >5 To 10, Add	91.12	
				For >10 To 20, Add	68.06	
				For >20 To 40, Add	28.27	
				For >100 To 150, Deduct	-33.49	
				For >150, Deduct	-66.97	
				For Copper Pipe, Add	38.70	
				For Polyvinyl Chloride (PVC) Pipe, Deduct	-55.44	
	21 13 16 00-0008			Extra Hazard, Prices Per Head <small>(21 13 16 00-0001)</small>		
	21 13 16 00-0009	EA		Exposed Piping, Dry Automatic Sprinkler System, Extra Hazard.....	250.25	
				Note: Includes branch pipe and fittings, supports and sprinkler heads.		
				For Up To 5, Add	115.93	
				For >5 To 10, Add	64.60	
				For >10 To 20, Add	48.77	
				For >20 To 40, Add	20.43	
				For >100 To 150, Deduct	-25.03	
				For >150, Deduct	-50.05	
				For Copper Pipe, Add	29.62	
				For Polyvinyl Chloride (PVC) Pipe, Deduct	-42.14	
	21 13 16 00-0010	EA		Concealed Piping, Dry Automatic Sprinkler System, Extra Hazard.....	311.74	
				Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
				For Up To 5, Add	146.17	
				For >5 To 10, Add	84.85	
				For >10 To 20, Add	63.38	
				For >20 To 40, Add	26.32	
				For >100 To 150, Deduct	-31.17	
				For >150, Deduct	-62.35	
				For Copper Pipe, Add	36.03	
				For Polyvinyl Chloride (PVC) Pipe, Deduct	-51.61	
	21 13 16 00-0011			Equipment <small>(21 13 16 00-0001)</small>		
	21 13 16 00-0012	EA		Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge.....	1,240.47	192.90
	21 13 16 00-0013	EA		Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge.....	1,291.50	192.90
	21 13 16 00-0014	EA		Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge.....	1,334.55	192.90
	21 13 16 00-0015	EA		Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge.....	1,501.98	192.90

21	21	Fire Suppression
	21 10	Water-Based Fire-Suppression Systems
	21 13	Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 16 00-0016	Dry-Pipe Sprinkler Components <small>(21 13 16)</small>		
	Note: Excludes hydraulic calculations.		
21 13 16 00-0017	Dry Pipe Alarm Valves <small>(21 13 16 00-0016)</small>		
21 13 16 00-0018	EA 2" Alarm Valve - Dry System.....	1,183.75	507.60
21 13 16 00-0019	EA 3" Alarm Valve - Dry System.....	1,586.70	692.92
21 13 16 00-0020	EA 4" Alarm Valve - Dry System.....	2,892.33	970.09
21 13 16 00-0021	EA 6" Alarm Valve - Dry System.....	3,716.07	1,146.19
21 13 16 00-0022	EA 8" Alarm Valve - Dry System.....	4,635.92	1,260.81

21 13 16 00-0023	Dry Sprinkler Heads, 3/4" Or 1" NPT <small>(21 13 16 00-0016)</small>		
21 13 16 00-0024	EA Dry Pendant Head, Up To 4-3/4" Length	77.77	20.15
21 13 16 00-0025	EA Dry Pendant Head, >4-3/4" To 6-3/4" Length	77.77	20.15
21 13 16 00-0026	EA Dry Pendant Head, >6-3/4" To 8-3/4" Length	79.26	20.15
21 13 16 00-0027	EA Dry Pendant Head, >8-3/4" To 10-3/4" Length	81.50	20.15
21 13 16 00-0028	EA Dry Pendant Head, >10-3/4" To 12-3/4" Length	81.50	20.15
21 13 16 00-0029	EA Dry Pendant Head, >12-3/4" To 14-3/4" Length	86.72	20.15
21 13 16 00-0030	EA Dry Pendant Head, >14-3/4" To 16-3/4" Length	86.72	20.15
21 13 16 00-0031	EA Dry Pendant Head, >16-3/4" To 18-3/4" Length	91.94	20.15
21 13 16 00-0032	EA Dry Pendant Head, >18-3/4" To 20-3/4" Length	91.94	20.15
21 13 16 00-0033	EA Dry Pendant Head, >20-3/4" To 22-3/4" Length	93.43	20.15
21 13 16 00-0034	EA Dry Pendant Head, >22-3/4" To 24-3/4" Length	93.43	20.15
21 13 16 00-0035	EA Dry Pendant Head, >24-3/4" To 26-3/4" Length	94.92	20.15
21 13 16 00-0036	EA Dry Pendant Head, >26-3/4" To 28-3/4" Length	97.90	20.15

21 13 19 Preaction Sprinkler Systems (21 13)

21 13 19 00-0001	Complete Sprinkler System Costs <small>(21 13 19)</small>		
	Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 19 00-0002	Ordinary Hazard, Prices Per Head <small>(21 13 19 00-0001)</small>		
21 13 19 00-0003	EA Exposed Piping Warehouse, Pre-Action Sprinkler System, Ordinary Hazard.....	253.39	
	Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Up To 5, Add	118.34	
	For >5 To 10, Add	76.16	
	For >10 To 20, Add	50.82	
	For >20 To 40, Add	21.16	
	For >100 To 150, Deduct	-25.34	
	For >150, Deduct	-50.68	

21 13 19 00-0004	Extra Hazard, Prices Per Head <small>(21 13 19 00-0001)</small>		
21 13 19 00-0005	EA Exposed Piping Warehouse, Pre-Action Sprinkler System, Extra Hazard	235.94	
	Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Up To 5, Add	110.21	
	For >5 To 10, Add	70.93	
	For >10 To 20, Add	47.34	
	For >20 To 40, Add	19.71	
	For >100 To 150, Deduct	-23.59	
	For >150, Deduct	-47.19	

21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)

21 13 26 00-0001	Deluge Sprinkler Equipment <small>(21 13 26)</small>		
	See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002	Nozzles <small>(21 13 26 00-0001)</small>		
21 13 26 00-0003	EA 3/8" Auto Deluge Sprinkler Nozzle.....	58.35	26.28
21 13 26 00-0004	EA 1/2" Pendant Deluge Spring Nozzle With Open Head	58.35	26.28
21 13 26 00-0005	EA 1/2" Pendant Deluge Spring Nozzle Open Head With Canopy.....	58.35	26.28
21 13 26 00-0006	Deluge Valves With Required Trim And Release Equipment <small>(21 13 26 00-0001)</small>		
21 13 26 00-0007	EA 3" Deluge Valve With Trim And Release Equipment	3,775.43	340.36
21 13 26 00-0008	EA 4" Deluge Valve With Trim And Release Equipment	4,328.62	382.87
21 13 26 00-0009	EA 6" Deluge Valve With Trim And Release Equipment	5,372.59	556.91

21 13 39 Foam-Water Systems (21 13)

21 13 39 00-0001	Foam Control Valves And Monitors <small>(21 13 39)</small>		
21 13 39 00-0002	Control Valves <small>(21 13 39 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39 00-0003 EA 3" Foam Control Valve.....	1,803.53	340.36
21 13 39 00-0004 Supply Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve	1,639.09	382.87
21 13 39 00-0006 Proportioners <small>(21 13 39 00-0001)</small>		
21 13 39 00-0007 EA 8" Foam Proportioner.....	1,393.00	556.91
21 13 39 00-0008 Monitors <small>(21 13 39 00-0001)</small>		
21 13 39 00-0009 EA Oscillating Foam Monitor	1,825.57	76.58
21 13 41 Fire-Suppression Sprinkler Piping <small>(21 13)</small>		
<small>See CSI section 23 21 13 23-0000 for black steel piping.</small>		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41)</small>		
<small>Note: SDR 13.5</small>		
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	3.31	0.98
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	3.94	1.04
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.95	1.16
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.05	1.28
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.74	1.41
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.57	1.60
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	14.73	1.90
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	15.82	5.89
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	20.85	7.35
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	26.10	9.19
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	29.82	10.17
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.82	11.40
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	42.73	12.92
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	52.34	15.32
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	16.21	5.89
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	20.22	7.35
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	25.63	9.19
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	29.06	10.17
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	32.87	11.40
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	40.34	12.92
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	49.72	15.32
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	23.56	8.82
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	30.67	11.09
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	39.04	13.84
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	44.82	15.32
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	52.42	17.03
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	64.42	19.42
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	76.10	22.91
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	28.33	10.35
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	36.89	12.92
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	41.29	14.28
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	48.81	15.93
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	57.63	18.13
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	67.82	21.38
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	31.80	11.76
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	39.86	14.76
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	50.20	18.43
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	56.60	20.40
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	66.15	22.73

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	84.96	25.85
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping ^(21 13 41 00-0001)		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	10.87	3.92
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	14.56	5.27
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	19.30	6.93
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	22.01	7.65
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	25.25	8.51
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	30.27	9.68
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	36.51	11.46
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping ^(21 13 41 00-0001)		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	5.54	1.96
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	8.81	3.19
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	10.11	3.43
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	11.59	3.80
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	13.72	4.29
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	16.55	4.84
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	21.50	5.75
21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping ^(21 13 41 00-0001)		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	15.35	5.82
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	20.34	7.59
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	22.48	8.39
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	25.61	9.37
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	30.40	10.66
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	37.12	12.62
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	13.56	4.29
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	17.47	5.82
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	13.56	4.29
21 13 41 00-0076 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	17.47	5.82
21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
21 13 41 00-0078 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	15.83	5.27
21 13 41 00-0079 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	20.22	6.61
21 13 41 00-0080 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	21.02	6.61
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	25.98	8.82
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	31.94	11.09
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	41.63	13.84
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	47.57	15.32
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	55.75	17.03

21 20 Fire-Extinguishing Systems ⁽²¹⁾**21 21 Carbon-Dioxide Fire-Extinguishing Systems** ^(21 20)**21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment** ^(21 21)



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Carbon-Dioxide Fire-Extinguishing Systems	21 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 21 16 00-0001 Carbon Dioxide Cylinders <small>(21 21 16)</small>		
21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 LB.....	874.60	164.64
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	1,749.21	329.28
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	178.68	87.30
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle.....	72.06	30.09
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	22.15	12.20
21 22 Clean-Agent Fire-Extinguishing Systems <small>(21 20)</small>		
21 22 16 Clean-Agent Fire-Extinguishing Equipment <small>(21 22)</small>		
21 22 16 00-0001 Ansul Fire Control Systems <small>(21 22 16)</small>		
21 22 16 00-0002 Inergen® Fire Suppression System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0003 Actuation Attachments, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0004 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	132.37	18.54
21 22 16 00-0005 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	154.07	19.92
21 22 16 00-0006 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	275.63	36.07
21 22 16 00-0007 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	553.35	82.14
21 22 16 00-0008 Check Valves, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0009 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,383.32	129.96
21 22 16 00-0010 Components, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0011 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	39.31	5.68
21 22 16 00-0012 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	462.86	60.91
21 22 16 00-0013 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,440.78	190.59
21 22 16 00-0014 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,371.97	194.17
21 22 16 00-0015 Cylinders, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
Note: Includes CV98 valve.		
21 22 16 00-0016 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,199.95	174.44
21 22 16 00-0017 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,361.21	197.63
21 22 16 00-0018 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	1,950.42	256.10
21 22 16 00-0019 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	1,949.38	312.95
21 22 16 00-0020 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,406.48	220.35
21 22 16 00-0021 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	1,996.02	278.91
21 22 16 00-0022 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,055.56	336.29
21 22 16 00-0023 Inspection/Maintenance Devices, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0024 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	45.32	6.34
21 22 16 00-0025 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	45.32	6.34
21 22 16 00-0026 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	54.71	7.05
21 22 16 00-0027 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	863.35	121.04
21 22 16 00-0028 Multiple Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0029 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	14.56	1.85
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0030 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	20.66	2.65
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0031 Nameplates, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0032 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	16.05	2.07
21 22 16 00-0033 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	14.82	2.07
21 22 16 00-0034 Nozzle Deflector Shields, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0035 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	64.44	8.93
21 22 16 00-0036 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	67.60	9.36
21 22 16 00-0037 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714).....	78.57	10.81
21 22 16 00-0038 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717).....	87.56	12.20
21 22 16 00-0039 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720).....	100.44	14.03
21 22 16 00-0040 Nozzles, Inergen® Fire Suppression System <small>(21 22 16 00-0002)</small>		
21 22 16 00-0041 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	98.67	13.83
21 22 16 00-0042 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	102.38	14.23
21 22 16 00-0043 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	94.44	13.17
21 22 16 00-0044 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	96.65	14.23
21 22 16 00-0045 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	112.27	15.65
21 22 16 00-0046 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	120.04	16.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0047 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	129.22	17.89
21 22 16 00-0048 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	222.39	31.31
21 22 16 00-0049 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	294.05	41.07
21 22 16 00-0050 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	320.54	45.13
21 22 16 00-0051 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	114.89	16.26
21 22 16 00-0052 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	135.55	19.03
21 22 16 00-0053 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	111.54	15.65
21 22 16 00-0054 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	119.17	16.59
21 22 16 00-0055 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	120.21	16.67
21 22 16 00-0056 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	145.10	20.25
21 22 16 00-0057 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	156.38	21.96
21 22 16 00-0058 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144).....	240.05	33.69
21 22 16 00-0059 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	280.27	39.44
21 22 16 00-0060 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146).....	307.11	43.11
21 22 16 00-0061 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0062 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	129.22	17.89
21 22 16 00-0063 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	158.52	22.28
21 22 16 00-0064 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	170.50	23.99
21 22 16 00-0065 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	240.05	33.69
21 22 16 00-0066 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	262.28	36.92
21 22 16 00-0067 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	308.15	43.11
21 22 16 00-0068 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	358.27	50.54
21 22 16 00-0069 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	423.56	59.78
21 22 16 00-0070 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	547.80	77.58
21 22 16 00-0071 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	730.29	103.29
21 22 16 00-0072 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	833.02	117.76
21 22 16 00-0073 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847).....	528.05	74.53
21 22 16 00-0074 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848).....	583.12	82.37
21 22 16 00-0075 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849).....	833.02	117.76
21 22 16 00-0076 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	544.28	76.86
21 22 16 00-0077 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	606.06	85.60
21 22 16 00-0078 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	831.82	125.76
21 22 16 00-0079 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0080 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	606.41	89.87
21 22 16 00-0081 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0082 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	995.03	139.42
21 22 16 00-0083 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,417.46	185.78
21 22 16 00-0084 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,503.44	188.98
21 22 16 00-0085 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	70.26	9.61
21 22 16 00-0086 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	83.88	12.73
21 22 16 00-0087 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	805.46	99.46
21 22 16 00-0088 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0089 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	88.20	9.44
21 22 16 00-0090 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	92.44	9.95
21 22 16 00-0091 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	97.09	10.11
21 22 16 00-0092 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098).....	104.20	10.45
21 22 16 00-0093 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099).....	108.40	11.46
21 22 16 00-0094 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100).....	108.84	12.39
21 22 16 00-0095 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984).....	238.27	33.21
21 22 16 00-0096 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985).....	240.39	33.55
21 22 16 00-0097 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986).....	308.15	42.99
21 22 16 00-0098 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0099 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	112.27	15.65
21 22 16 00-0100 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....	152.77	35.79
Note: Includes saddle, padding and fasteners.		
21 22 16 00-0101 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0102 EA 2 1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	293.86	23.14
Note: Includes gasket and fasteners.		
21 22 16 00-0103 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	246.05	34.55
Note: Includes gasket and fasteners.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0104 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858).....	279.25	39.31
Note: Includes gasket and fasteners.		
21 22 16 00-0105 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859).....	154.27	21.61
Note: Includes gasket and fasteners.		
21 22 16 00-0106 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860).....	181.09	25.21
Note: Includes gasket and fasteners.		
21 22 16 00-0107 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....	274.27	38.63
Note: Includes gasket and fasteners.		
21 22 16 00-0108 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862).....	160.60	22.63
Note: Includes gasket and fasteners.		
21 22 16 00-0109 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863).....	188.17	26.38
Note: Includes gasket and fasteners.		
21 22 16 00-0110 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864).....	299.33	42.20
Note: Includes gasket and fasteners.		
21 22 16 00-0111 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828).....	31.65	1.71
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0112 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829).....	32.00	1.89
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0113 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830).....	34.44	2.24
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0114 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System		
<i>(21 22 16 00-0002)</i>		
21 22 16 00-0115 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508).....	19.66	2.75
21 22 16 00-0116 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027).....	161.84	20.91
21 22 16 00-0117 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592).....	120.30	20.91
Note: Includes upright, left, right and center.		
21 22 16 00-0118 Autopulse® Fire Detection And Control Equipment		
<i>(21 22 16 00-0001)</i>		
21 22 16 00-0119 Accessory Switches, Autopulse® Fire Detection And Control Equipment		
<i>(16 00-0118)</i>		
21 22 16 00-0120 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495).....	126.69	18.04
21 22 16 00-0121 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....	143.98	20.57
21 22 16 00-0122 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	183.14	26.13
21 22 16 00-0123 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....	197.26	28.15
21 22 16 00-0124 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499).....	246.99	35.40
21 22 16 00-0125 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	262.89	37.60
21 22 16 00-0126 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	503.85	72.49
21 22 16 00-0127 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490).....	40.60	5.40
21 22 16 00-0128 Alarm Devices, Autopulse® Fire Detection And Control Equipment		
<i>(21 22 16 00-0118)</i>		
21 22 16 00-0129 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698).....	109.75	15.68
21 22 16 00-0130 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699).....	160.92	22.92
21 22 16 00-0131 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	14.68	2.09
21 22 16 00-0132 Annunciators, Autopulse® Fire Detection And Control Equipment		
<i>(21 22 16 00-0118)</i>		
21 22 16 00-0133 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,264.36	181.90
21 22 16 00-0134 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496).....	1,059.93	152.40
21 22 16 00-0135 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497).....	822.80	118.34
21 22 16 00-0136 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500).....	716.61	103.01
21 22 16 00-0137 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	716.61	103.01
21 22 16 00-0138 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	574.08	82.44
21 22 16 00-0139 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,059.93	152.40
21 22 16 00-0140 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	215.59	30.85
21 22 16 00-0141 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	270.27	38.78
21 22 16 00-0142 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	541.95	77.89
21 22 16 00-0143 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660).....	91.58	13.06
21 22 16 00-0144 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576).....	124.53	18.04
Note: For up to 4 LDM modules.		
21 22 16 00-0145 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	215.60	30.85

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 22 16 00-0146		Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0118)</small>		
21 22 16 00-0147	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	167.49	25.12
21 22 16 00-0148	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	10.35	1.72
21 22 16 00-0149	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	73.00	2.09
21 22 16 00-0150	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	11.17	2.09
21 22 16 00-0151		Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0118)</small>		
21 22 16 00-0152	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	372.30	56.30
21 22 16 00-0153	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	223.19	33.55
21 22 16 00-0154		Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0118)</small>		
21 22 16 00-0155	EA	7 AH, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	164.68	21.57
21 22 16 00-0156	EA	12 AH, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	344.38	45.69
21 22 16 00-0157	EA	18 AH, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	388.62	51.76
21 22 16 00-0158	EA	25 AH, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	508.17	63.05
21 22 16 00-0159	EA	55 AH, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	818.86	109.41
21 22 16 00-0160	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	122.47	17.36
21 22 16 00-0161	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)	218.76	31.35
		Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0162	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)	444.93	63.90
		Note: For mounting in BB-55 battery box.		
21 22 16 00-0163	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)	1,293.47	186.12
		Note: For mounting in BB-55 battery box.		
21 22 16 00-0164	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	945.95	136.05
21 22 16 00-0165		Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0118)</small>		
21 22 16 00-0166	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	99.66	14.41
21 22 16 00-0167	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	93.05	14.33
21 22 16 00-0168	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	126.07	20.57
21 22 16 00-0169	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	187.37	26.80
21 22 16 00-0170	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	145.63	21.75
21 22 16 00-0171	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	136.77	20.91
21 22 16 00-0172	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	21.79	3.33
21 22 16 00-0173	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	80.42	11.80
21 22 16 00-0174	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	80.46	11.46
21 22 16 00-0175	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	28.31	9.44
21 22 16 00-0176	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	7.41	1.05
		Note: Converts BX501 to low profile base.		
21 22 16 00-0177	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	77.44	11.04
21 22 16 00-0178	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	45.36	6.51
21 22 16 00-0179	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	122.83	17.19
21 22 16 00-0180	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	64.23	9.10
21 22 16 00-0181		Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0118)</small>		
21 22 16 00-0182	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	18.50	2.45
21 22 16 00-0183	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	11.48	1.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0184 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0119)</small>		
21 22 16 00-0185 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	160.92	22.92
21 22 16 00-0186 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	484.12	65.92
21 22 16 00-0187 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	923.73	132.85
21 22 16 00-0188 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	24.64	3.43
21 22 16 00-0189 Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0190 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0191 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	125.33	16.19
21 22 16 00-0192 EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	350.57	46.86
21 22 16 00-0193 EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	696.75	94.40
21 22 16 00-0194 EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	696.75	94.40
21 22 16 00-0195 EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,046.89	141.61
Note: Includes housing and battery cab.		
21 22 16 00-0196 EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,046.89	141.61
Note: Includes housing and battery cab.		
21 22 16 00-0197 EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,531.47	180.39
21 22 16 00-0198 Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0199 EA Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	22.47	3.03
21 22 16 00-0200 EA Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	34.00	3.03
21 22 16 00-0201 EA Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	49.26	5.73
21 22 16 00-0202 EA Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	76.92	6.41
21 22 16 00-0203 EA Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	96.34	12.81
21 22 16 00-0204 EA Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	179.07	16.19
21 22 16 00-0205 Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0206 EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	5,255.71	792.34
Note: Includes 3 blank plates.		
21 22 16 00-0207 EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	6,708.35	977.78
Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0208 EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	6,065.13	893.49
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0209 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	8,438.41	1,180.09
21 22 16 00-0210 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	8,883.82	1,247.52
21 22 16 00-0211 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	8,530.96	1,196.95
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0212 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360)	9,009.73	1,264.38
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0213 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)	9,266.02	1,314.95
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0214 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	9,667.26	1,382.38
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0215 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	10,161.40	1,449.81
Note: Includes centrally mounted programmer module.		
21 22 16 00-0216 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	10,594.88	1,517.25
Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0217 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	9,960.52	1,382.38
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0218 Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0219 EA VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,603.09	185.44
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0220 EA VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	1,610.98	185.44
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0221 EA VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,451.76	168.58
Note: Includes a remote termination card without relays.		
21 22 16 00-0222 EA VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387)	1,460.92	168.58
Note: Includes a remote termination card.		
21 22 16 00-0223 EA VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	1,806.24	202.30
Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0224 EA VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,534.69	175.32

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0225 EA VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,679.57	196.91
21 22 16 00-0226 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0227 EA LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	4,024.68	556.32
21 22 16 00-0228 EA LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	3,315.58	445.06
21 22 16 00-0229 EA Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,171.46	168.58
21 22 16 00-0230 EA VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	844.19	109.58
21 22 16 00-0231 EA System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,176.53	147.67
21 22 16 00-0232 EA PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)..... Note: Interface connects PC and LaserPLUS system.	1,426.42	182.07
21 22 16 00-0233 EA Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	221.96	27.32
21 22 16 00-0234 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	1,485.27	168.58
21 22 16 00-0235 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,059.48	109.93
21 22 16 00-0236 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	832.23	107.89
21 22 16 00-0237 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,061.20	139.93
21 22 16 00-0238 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,059.48	139.93
21 22 16 00-0239 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,048.09	131.50
21 22 16 00-0240 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	124.92	11.80
21 22 16 00-0241 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	5,063.16	647.36
21 22 16 00-0242 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	8,822.25	1,132.88
21 22 16 00-0243 EA Detector Cover Assembly With EMC Shields, VSP-013, Vesda® Aspirating Smoke Detection System (Ansul 430473)	102.11	50.57
21 22 16 00-0244 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	689.70	84.29
21 22 16 00-0245 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	15.71	1.68
21 22 16 00-0246 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	8.91	0.33
21 22 16 00-0247 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	379.78	48.89
21 22 16 00-0248 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	460.11	59.34
21 22 16 00-0249 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	664.17	85.97
21 22 16 00-0250 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	97.84	12.81
21 22 16 00-0251 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	15.24	2.70
21 22 16 00-0252 Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0253 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	13.88	2.02
21 22 16 00-0254 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	14.55	2.36
21 22 16 00-0255 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	22.47	3.03
21 22 16 00-0256 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	22.50	3.03
21 22 16 00-0257 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	81.55	11.46
21 22 16 00-0258 Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0259 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	201.63	24.27
21 22 16 00-0260 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	271.70	32.37
21 22 16 00-0261 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	277.82	35.40
21 22 16 00-0262 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	677.99	50.57
21 22 16 00-0263 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	995.55	111.26
21 22 16 00-0264 Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0265 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	82.07	40.13
21 22 16 00-0266 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.73	4.38
21 22 16 00-0267 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	13.07	6.10
21 22 16 00-0268 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	13.72	6.10
21 22 16 00-0269 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	13.67	6.10
21 22 16 00-0270 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	18.40	7.25
21 22 16 00-0271 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	22.36	10.16
21 22 16 00-0272 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	25.17	10.16
21 22 16 00-0273 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	3.60	1.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0274 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	14.45	3.71
21 22 16 00-0275 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503).....	17.76	2.70
21 22 16 00-0276 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504).....	25.46	3.71
21 22 16 00-0277 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0189)</small>		
21 22 16 00-0278 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396).....	1,164.70	129.47
<small>Note: Remote box includes 7 relays for VLP/VLC.</small>		
21 22 16 00-0279 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,186.27	149.02
21 22 16 00-0280 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	717.98	91.03
21 22 16 00-0281 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489).....	820.46	102.83
21 22 16 00-0282 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397).....	1,164.70	129.47
<small>Note: Remote box includes 7 relays for VLS.</small>		
21 22 16 00-0283 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398).....	1,405.87	149.02
<small>Note: Remote box includes 12 relays for VLS.</small>		
21 22 16 00-0284 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	398.61	45.86
21 22 16 00-0285 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	599.48	70.13
21 22 16 00-0286 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,128.35	144.99
21 22 16 00-0287 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476).....	1,655.32	212.42
21 22 16 00-0288 Preferred® Low Pressure CO2 System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0289 Manual Pull Stations, Preferred® Low Pressure CO2 System <small>(21 22 16 00-0288)</small>		
21 22 16 00-0290 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658).....	89.34	11.80
<small>Note: Excludes FMM-101.</small>		
21 22 16 00-0291 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	66.84	8.76
21 22 16 00-0292 Industrial Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0293 Alarm Devices, Industrial Fire Control System <small>(21 22 16 00-0292)</small>		
21 22 16 00-0294 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947).....	2,161.06	311.04
21 22 16 00-0295 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	66.23	7.15
21 22 16 00-0296 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697).....	65.29	9.28
21 22 16 00-0297 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700).....	38.88	5.56
21 22 16 00-0298 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701).....	15.89	2.26
21 22 16 00-0299 Manual Pull Stations, Industrial Fire Control System <small>(21 22 16 00-0292)</small>		
21 22 16 00-0300 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	73.83	9.78
21 22 16 00-0301 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	104.09	13.83
21 22 16 00-0302 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657).....	812.59	108.57
21 22 16 00-0303 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	23.63	3.13
21 22 16 00-0304 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	10.59	1.40
21 22 16 00-0305 Marine Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0306 Alarm Devices, Marine Fire Control System <small>(21 22 16 00-0305)</small>		
21 22 16 00-0307 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747).....	42.81	5.66
21 22 16 00-0308 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805).....	78.88	10.96
21 22 16 00-0309 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806).....	78.88	10.96
21 22 16 00-0310 Sapphire® Fire Suppression Systems <small>(21 22 16)</small>		
<small>Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.</small>		
21 22 16 00-0311 Cylinders, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0310)</small>		
21 22 16 00-0312 EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,189.73	56.13
21 22 16 00-0313 EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,357.71	56.13
21 22 16 00-0314 EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,379.80	56.13
21 22 16 00-0315 EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	1,959.32	74.84
21 22 16 00-0316 EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,070.37	74.84
21 22 16 00-0317 EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,210.96	93.55
21 22 16 00-0318 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,346.36	93.55
21 22 16 00-0319 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	3,543.65	112.25
21 22 16 00-0320 Nozzles, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0310)</small>		
21 22 16 00-0321 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	113.28	9.36
21 22 16 00-0322 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	116.14	9.36
21 22 16 00-0323 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	123.31	9.36

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0324 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	128.33	9.36
21 22 16 00-0325 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	135.49	9.36
21 22 16 00-0326 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	156.97	9.36
21 22 16 00-0327 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	113.28	9.36
21 22 16 00-0328 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	116.14	9.36
21 22 16 00-0329 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	123.31	9.36
21 22 16 00-0330 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	128.33	9.36
21 22 16 00-0331 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	135.49	9.36
21 22 16 00-0332 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	156.97	9.36
21 22 16 00-0333 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0310)		
21 22 16 00-0334 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	10.03	2.81
21 22 16 00-0335 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	11.26	2.81
21 22 16 00-0336 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	15.10	6.55
21 22 16 00-0337 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	36.22	8.38
21 22 16 00-0338 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	54.01	8.38
21 22 16 00-0339 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	65.35	8.38
21 22 16 00-0340 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	32.13	8.38
21 22 16 00-0341 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	222.03	74.84
21 22 16 00-0342 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	215.41	56.13
21 22 16 00-0343 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	488.54	74.84
21 22 16 00-0344 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0345 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	35.90	9.36
21 22 16 00-0346 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	39.14	9.36
21 22 16 00-0347 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0348 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LBTanks, Sapphire® Fire Suppression Systems (Ansul 570085)	110.58	28.06
21 22 16 00-0349 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	117.03	28.06
21 22 16 00-0350 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	125.27	28.06
21 22 16 00-0351 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0352 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	303.31	29.79
21 22 16 00-0353 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	425.60	51.11
21 22 16 00-0354 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0355 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	94.02	18.71
21 22 16 00-0356 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	357.66	18.71
21 22 16 00-0357 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	301.06	18.71
21 22 16 00-0358 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,315.99	74.84
21 22 16 00-0359 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0360 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	33.47	13.09
21 22 16 00-0361 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	60.26	13.09
21 22 16 00-0362 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	169.16	9.36
21 22 16 00-0363 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	218.36	9.36
21 22 16 00-0364 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0365 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	122.48	37.42
21 22 16 00-0366 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	125.28	15.71
21 22 16 00-0367 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	383.86	65.48
21 22 16 00-0368 Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0369 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	454.60	13.09
21 22 16 00-0370 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	476.10	13.09
21 22 16 00-0371 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	509.53	18.71
21 22 16 00-0372 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		
21 22 16 00-0373 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	33.91	11.22
21 22 16 00-0374 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	42.59	13.09
21 22 16 00-0375 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	141.05	56.13
21 22 16 00-0376 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	165.62	56.13
21 22 16 00-0377 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	186.04	56.13
21 22 16 00-0378 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	251.95	56.13
21 22 16 00-0379 Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0310)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0380 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	40.25	14.97
21 22 16 00-0381 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	67.78	9.36
21 22 16 00-0382 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	90.80	18.71
21 22 16 00-0383 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	237.08	74.84
21 22 16 00-0384 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	362.44	74.84
21 22 16 00-0385 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,241.47	74.84
21 22 16 00-0386 FM200 System Equipment (21 22 16)		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,206.59	81.33
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,159.22	93.12
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,750.01	109.79
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system.....	4,967.48	130.13
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system.....	7,757.81	162.65
21 22 16 00-0392 EA Electro/Mechanical Release, For FM200 Fire Protection system.....	473.96	162.65
21 22 16 00-0393 EA Manual Pull Station, For FM200 Fire Protection system.....	163.89	54.09
21 22 16 00-0394 EA Pneumatic Damper Release, For FM200 Fire Protection system.....	186.62	40.66
21 22 16 00-0395 LB FM200 Gas.....	14.35	
21 22 16 00-0396 EA Master Cylinder, For FM200 Fire Protection system.....	3,585.62	43.75
21 22 16 00-0397 EA Shuttle Check Valve, For FM200 Fire Protection system.....	443.90	61.16
21 22 16 00-0398 EA Flex Head Cylinder, For FM200 Fire Protection system.....	444.88	65.55
21 22 16 00-0399 EA Nozzles, For FM200 Fire Protection system.....	114.50	23.18
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system.....	143.03	43.75
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system.....	565.99	65.55
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system.....	492.70	172.90
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system.....	2,662.56	324.82
21 22 16 00-0404 EA Control Panel, Multizone, For FM200 Fire Protection system.....	4,335.77	650.38
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system.....	202.83	65.55
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system.....	2,153.34	246.18
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system.....	217.12	65.55
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system.....	201.46	65.55
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system.....	984.64	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system.....	131.28	30.50
21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)		
21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)		
21 23 16 00-0001 Kidde Fire Systems (21 23 16)		
Note: Kidde or equal.		
21 23 16 00-0002 EA 125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent.....	469.78	67.36
21 23 16 00-0003 EA 260 Cylinder And Valve Assembly With 2.6 Gallon of Wet Agent.....	585.73	83.90
21 23 16 00-0004 EA 400S And L Cylinder And Valve Assembly With 4 Gallon of Wet Agent.....	722.95	103.50
21 23 16 00-0005 EA 600 And L Cylinder And Valve Assembly With 6 Gallon of Wet Agent.....	857.75	122.81
21 23 16 00-0006 EA 125 Cylinder Mounting Bracket.....	52.34	7.48
21 23 16 00-0007 EA 260 Cylinder Mounting Bracket.....	55.48	7.94
21 23 16 00-0008 EA 400S And L Cylinder Mounting Bracket.....	104.53	14.97
21 23 16 00-0009 EA 600 Cylinder Mounting Bracket.....	118.62	16.99
21 23 16 00-0010 EA Discharge Adapter Kit (One Required Per Cylinder).....	24.59	3.52
21 23 16 00-0011 EA Pressure Operated Actuator.....	97.92	13.99
21 23 16 00-0012 EA Control Head - Mechanical - No Microswitch.....	392.43	56.21
21 23 16 00-0013 EA Control Head - Mechanical - 1 Microswitch.....	409.38	58.59
21 23 16 00-0014 EA Control Head - Mechanical - 2 Microswitches.....	469.66	67.28
21 23 16 00-0015 EA Control Head - Electric 120 Volt AC / 24 Volt DC.....	604.02	86.51
21 23 16 00-0016 EA Control Head - Tandem.....	356.89	51.11
21 23 16 00-0017 EA Vent Plug.....	19.80	2.84
21 23 16 00-0018 EA Vent Check.....	44.53	6.37
21 23 16 00-0019 EA 3/8" NPT Nozzle; ADP, F, GRW Or R.....	47.88	6.89
21 23 16 00-0020 EA 3/8" NPT Nozzle; LPF Or DM.....	51.76	6.89
21 23 16 00-0021 EA 3/8" NPT Nozzle; LPR.....	59.61	6.89
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles.....	33.89	4.87
21 23 16 00-0023 EA Replacement Nozzle Seals.....	5.55	
21 23 16 00-0024 EA Disc Cap.....	3.31	0.45
21 23 16 00-0025 EA Universal Link Housing Kit.....	17.10	2.47
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0026 EA KFA-360 link For KRS-50 And Mechanical Control Head, 360F "A" Link.....	9.15	1.35
21 23 16 00-0027 EA KGS Standard Res. Link.....	6.49	1.12
21 23 16 00-0028 EA KGS Rapid Res. Link.....	8.70	2.10
21 23 16 00-0029 EA Corner Pulley.....	14.10	2.02
21 23 16 00-0030 EA Tee Pulley.....	89.50	12.35
21 23 16 00-0031 EA 3 Way Pulley.....	22.82	3.29
21 23 16 00-0032 EA Cable, 1/16" x 500' long.....	173.04	24.70
21 23 16 00-0033 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	48.45	6.96
21 23 16 00-0034 EA Cable Crimp Sleeve (Minimum 50 Pieces).....	1.05	0.30
21 23 16 00-0035 EA "S" Hook (Minimum 50 Pieces).....	1.05	0.30
21 23 16 00-0036 EA Six Liter "K" Extinguisher.....	330.51	47.29
21 23 16 00-0037 EA 2-1/2 Gallon "K" Extinguisher.....	343.18	49.17
21 23 16 00-0038 EA Six Liter "K" Extinguisher, UL Listed.....	330.51	47.29
21 23 16 00-0039 EA 2-1/2 Gallon "K" Extinguisher, UL Listed.....	343.18	49.17
21 23 16 00-0040 EA 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	213.48	16.17

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0041	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve	234.80	19.90
21 23 16 00-0042	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	269.39	25.14
21 23 16 00-0043	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	298.63	28.96
21 23 16 00-0044	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve	324.03	34.20
21 23 16 00-0045	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	531.83	49.99
21 23 16 00-0046	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve	596.63	57.85
21 23 16 00-0047	EA		Pneumatic Release (Single Unit)	127.19	18.26
21 23 16 00-0048	EA		1/2" NPT Electric Solenoid Gas Shut-off Valve	221.18	15.04
21 23 16 00-0049	EA		3/4" NPT Electric Solenoid Gas Shut-off Valve	183.62	16.17
21 23 16 00-0050	EA		1" NPT Electric Solenoid Gas Shut-off Valve	301.79	19.90
21 23 16 00-0051	EA		1-1/4" NPT Electric Solenoid Gas Shut-off Valve	313.48	25.14
21 23 16 00-0052	EA		1-1/2" NPT Electric Solenoid Gas Shut-off Valve	472.31	28.96
21 23 16 00-0053	EA		2" NPT Electric Solenoid Gas Shut-off Valve	521.78	34.20
21 23 16 00-0054	EA		2-1/2" NPT Electric Solenoid Gas Shut-off Valve	886.36	49.99
21 23 16 00-0055	EA		3" NPT Electric Solenoid Gas Shut-off Valve	1,190.86	57.85
21 23 16 00-0056	EA		Manual Reset Relay	525.41	75.21
21 23 16 00-0057	EA		Circuit Monitor 120 Volt AC	118.64	16.99
21 23 16 00-0058	EA		SPDT Microswitch For KRS-50	49.04	7.03
21 23 16 00-0059	EA		DPDT Microswitch For KRS-50	84.75	12.20
21 23 16 00-0060	EA		Pressure Operated Switch, SPDT	272.98	39.14
21 23 16 00-0061	EA		KRS-100 Nitrogen Cylinder	157.65	22.60
21 23 16 00-0062	EA		KRS-100 Actuator Assembly	160.79	23.05
21 23 16 00-0063	EA		KRS-100 Mounting Bracket	39.44	5.69
21 23 16 00-0064	EA		KRS-700S Nitrogen Cylinder	454.78	65.18
21 23 16 00-0065	EA		Mounting Bracket	97.35	13.92
21 23 16 00-0066	EA		KRS-700S Discharge Adapter Kit	96.90	13.92
21 23 16 00-0067	EA		Pressure Operated Actuator	97.35	13.95
21 23 16 00-0068	EA		Pressure Operated Actuator (Old Style)	190.04	27.24
21 23 16 00-0069	EA		Check Valve	68.85	9.88
21 23 16 00-0070	EA		Vent Check	44.10	6.29
21 23 16 00-0071	EA		Replacement Receiver Gasket For KRS-100 Actuator Assembly	5.10	
21 23 16 00-0072	EA		Compression Seal Adapter - 3/8" Tubing	21.90	3.14
21 23 16 00-0073	EA		Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe	23.85	3.44
21 23 16 00-0074	EA		Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe	28.65	4.12
21 23 16 00-0075	EA		Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe	30.60	4.41
21 23 16 00-0076	EA		Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT)	28.65	4.12
21 23 16 00-0077	EA		Quik-Seal Adapter - 3/8" NPT Female	23.85	3.44
21 23 16 00-0078	EA		Quik-Seal Adapter - 1/2" NPT Female	23.85	3.44
21 23 16 00-0079	EA		Quik-Seal Adapter - 3/4" NPT Female	40.64	5.84
21 23 16 00-0080	EA		Quik-Seal Adapter - 1" NPT Female	53.85	7.71
21 23 16 00-0081	EA		Quik-Patch For Hole Patching Up To 1-1/8" Diameter	23.85	3.44
21 23 16 00-0082	EA		WHDR - 450 Cylinder And Valve Assembly With 4-1/2 Gallon Of Wet Agent	786.14	112.62
21 23 16 00-0083	EA		WHDR - 900 Cylinder And Valve Assembly With 9 Gallon Of Wet Agent	1,129.96	161.95
21 23 16 00-0084	EA		WHDR - 450 Shelf Type Mounting Bracket	101.85	14.60
21 23 16 00-0085	EA		WHDR - 900 Shelf Type Mounting Bracket	120.90	17.37
21 23 16 00-0086	EA		Floor Mounting Kit WHDR - 900 (Requires Shelf Mounting Bracket)	59.10	8.46
21 23 16 00-0087	EA		Discharge Adapter Kit For WHDR 450 Or 900	25.34	
21 23 16 00-0088	EA		3/8" NPT FRW Nozzle With Cap	61.36	8.83
21 23 16 00-0089	EA		3/8" NPT Duct Nozzle With Cap	48.90	7.03
21 23 16 00-0090	EA		3/8" NPT Plenum Nozzle With Cap	40.20	5.76
21 23 16 00-0091	EA		3/8" NPT Appliance Nozzle With Cap	40.20	5.76
21 23 16 00-0092	EA		3/8" NPT Wide Angle Appliance Nozzle With Cap	53.25	7.64
21 23 16 00-0093	EA		3/8" NPT Swivel Adapter For Nozzles	48.90	7.03
21 23 16 00-0094	EA		Replacement Blow-off Cap	2.72	0.37
21 23 16 00-0095	EA		FRW Blow-off Cap	6.28	0.90
21 23 16 00-0096	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve, Turnbuckle Style	283.81	0.90
21 23 16 00-0097	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve	313.79	1.12
21 23 16 00-0098	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	328.19	1.42
21 23 16 00-0099	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	359.54	1.64
21 23 16 00-0100	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve	381.23	1.94
21 23 16 00-0101	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve	677.04	3.29
21 23 16 00-0102	EA		Nameplate For Turnbuckle Style Mechanical Gas Valves	15.30	
21 23 16 00-0103	EA		Turnbuckle For Turnbuckle Style Mechanical Gas Valves	28.20	
21 23 16 00-0104	EA		Adjusting Screw For Turnbuckle Style Mechanical Gas Valves	24.60	
21 23 16 00-0105	EA		Detect-A-Fire, 325F To 725F, Vertical Mount	196.95	28.21
21 23 16 00-0106	EA		Single Hazard Control Panel, UL Listed, 120 Or 240 Volt AC Input	1,043.99	149.60
21 23 16 00-0107	EA		Single Hazard Control Panel, ULC Listed, 120 Or 240 Volt AC Input	1,149.73	164.79
21 23 16 00-0108	EA		Lead Acid Battery, 12 Volt DC, 1.2 AH	86.65	12.42
Note: Two required per panel					
21 23 16 00-0109 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)					
21 23 16 00-0110 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0109)					
21 23 16 00-0111	EA		3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	479.08	53.13
21 23 16 00-0112	EA		4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	690.11	76.55
21 23 16 00-0113	EA		6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	908.24	104.70
21 23 16 00-0114	EA		Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	98.93	12.50
21 23 16 00-0115	EA		Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	651.18	81.72
21 23 16 00-0116	EA		Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	397.58	49.84



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0117 Fusible Links, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0118	EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	12.84	1.64
	21 23 16 00-0119	EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	12.84	1.64
	21 23 16 00-0120	EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	13.13	1.64
	21 23 16 00-0121	EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	12.84	1.64
	21 23 16 00-0122	EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	12.84	1.64
	21 23 16 00-0123	EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	13.89	1.64
	21 23 16 00-0124	EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	22.24	2.77
	21 23 16 00-0125	EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	28.88	3.67
	21 23 16 00-0126	EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	42.33	18.94
	21 23 16 00-0127	EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	281.26	42.13
21 23 16 00-0128 Gas Valves, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0129	EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	225.75	16.17
	21 23 16 00-0130	EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	257.87	19.90
	21 23 16 00-0131	EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	280.09	25.14
	21 23 16 00-0132	EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	308.71	28.89
	21 23 16 00-0133	EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	355.56	34.13
	21 23 16 00-0134	EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	813.90	49.92
	21 23 16 00-0135	EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	870.68	57.78
	21 23 16 00-0136	EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	178.83	16.17
	21 23 16 00-0137	EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	301.26	19.90
	21 23 16 00-0138	EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	316.44	25.14
	21 23 16 00-0139	EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	360.30	28.89
	21 23 16 00-0140	EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	496.28	34.13
	21 23 16 00-0141	EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	952.26	49.92
	21 23 16 00-0142	EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,006.71	57.78
21 23 16 00-0143 Nozzles, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0144	EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	45.92	5.54
	21 23 16 00-0145	EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	64.81	7.03
	21 23 16 00-0146	EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	240.65	7.03
21 23 16 00-0147 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0148	EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	17.00	2.17
	21 23 16 00-0149	EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	556.87	70.27
	21 23 16 00-0150	EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	709.74	89.88
21 23 16 00-0151 Circuit Monitors, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0152	EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	364.05	46.02
	21 23 16 00-0153	EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	439.24	55.45
21 23 16 00-0154 Control Heads, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0155	EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	401.65	50.74
	21 23 16 00-0156	EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	419.27	53.06
	21 23 16 00-0157	EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	546.07	69.00
	21 23 16 00-0158	EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	626.51	79.32
	21 23 16 00-0159	EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	50.88	6.44
21 23 16 00-0160 Corner Pulleys/Tees, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0161	EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	12.47	1.05
	21 23 16 00-0162	EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	12.94	1.35
	21 23 16 00-0163	EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	40.79	5.17
	21 23 16 00-0164	EA Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.54	
21 23 16 00-0165 Switches, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0166	EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	44.36	5.61
	21 23 16 00-0167	EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	88.85	11.15
	21 23 16 00-0168	EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	188.01	23.65
21 23 16 00-0169 Wire Rope/Accessories, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>				
	21 23 16 00-0170	LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	0.94	0.22
	21 23 16 00-0171	EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.60	0.22
	21 23 16 00-0172	EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	2.20	0.30
	21 23 16 00-0173	EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.42	

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0174			Replacement Parts, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>		
21 23 16 00-0175	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	42.18	5.39
21 23 16 00-0176	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	44.02	5.61
21 23 16 00-0177	EA		Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	5.15	0.67
21 23 16 00-0178	EA		225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	60.37	7.33
21 23 16 00-0179	EA		Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	8.48	1.05
21 23 16 00-0180	EA		Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	11.81	1.50
21 23 16 00-0181	EA		Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	5.15	0.67
21 23 16 00-0182	EA		Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	7.27	0.90
21 23 16 00-0183	EA		Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	7.10	0.90
21 23 16 00-0184	EA		Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	2.02	0.22
21 23 16 00-0185	EA		Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	3.44	
21 23 16 00-0186	EA		O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	65.78	
21 23 16 00-0187	EA		3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	444.41	
21 23 16 00-0188	EA		4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	578.73	
21 23 16 00-0189	EA		6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	669.32	
21 23 16 00-0190			Accessories, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>		
21 23 16 00-0191	EA		3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	20.63	2.55
21 23 16 00-0192	EA		1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	21.38	2.69
21 23 16 00-0193	EA		Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	41.15	5.17
21 23 16 00-0194	EA		Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	58.25	
21 23 16 00-0195	EA		3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	125.19	
21 23 16 00-0196			Pull Stations/Accessories, Kitchen Fire Suppression Systems <small>(21 23 16 00-0109)</small>		
21 23 16 00-0197	EA		Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	83.20	10.56
21 23 16 00-0198	EA		Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	90.64	14.82
21 23 16 00-0199	EA		Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	22.24	2.77
21 23 16 00-0200	EA		Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	3.24	0.98
21 24			Dry-Chemical Fire-Extinguishing Systems <small>(21 20)</small>		
21 24 16			Dry-Chemical Fire-Extinguishing Equipment <small>(21 24)</small>		
21 24 16 00-0001			Amerex KP Restaurant Fire Suppression Systems <small>(21 24 16)</small>		
			Note: Amerex or equal.		
21 24 16 00-0002	EA		Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	412.50	58.07
21 24 16 00-0003	EA		Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	574.47	73.24
21 24 16 00-0004	EA		Recharge - KP Liquid Agent (3.75 Gallon).....	136.43	
21 24 16 00-0005	EA		Recharge - KP Liquid Agent (6 Gallon).....	239.84	
21 24 16 00-0006	EA		Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet).....	95.50	12.19
21 24 16 00-0007	EA		Bracket Assembly Agent Cylinder 6 Gallon	55.64	7.07
21 24 16 00-0008	EA		Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon	24.13	
21 24 16 00-0009	EA		Pneumatic Actuator - Agent Cylinder 6 Gallon	95.50	12.19
21 24 16 00-0010	EA		Actuator - MRM (Less N2 Cylinder And Enclosure).....	239.84	30.57
21 24 16 00-0011	EA		Enclosure - MRM, Painted Steel	127.82	16.26
21 24 16 00-0012	EA		Enclosure - MRM, Stainless Steel.....	155.64	16.26
21 24 16 00-0013	EA		Cabinet, Stainless Steel (Single Cylinder System).....	380.59	48.54
21 24 16 00-0014	EA		Actuation Hose - (N2 - 1/4" x 16").....	28.72	3.65
21 24 16 00-0015	EA		Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders)	127.82	16.26
21 24 16 00-0016	EA		Vent Check	22.98	2.93
21 24 16 00-0017	EA		Detector	17.23	2.19
			Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA		Fusible Link - 280 To 450 Degree F.....	6.47	0.82
21 24 16 00-0019	EA		Test Link	2.13	
21 24 16 00-0020	EA		Corner Pulley	8.90	1.14
21 24 16 00-0021	EA		Cable, 1/16" - 500 Foot Spool.....	143.61	18.29
21 24 16 00-0022	EA		Pulley Tee.....	64.62	8.22
21 24 16 00-0023	EA		Manual Pull Station (Standard)	57.44	7.32
21 24 16 00-0024	EA		Adapter Kit - Manual Pull Station (Recess Standard Pull Station)	26.94	3.41
21 24 16 00-0025	EA		Manual Pull Station (Oversized).....	64.05	8.12
21 24 16 00-0026	EA		Conduit Offset.....	12.78	1.62
21 24 16 00-0027	EA		Seal - 3/8" Pipe Thread (Quick-Seal).....	17.61	2.28
21 24 16 00-0028	EA		Seal - 1/2" Pipe Thread (Quick-Seal).....	14.36	1.87
21 24 16 00-0029	EA		3/8" Pipe Compression Seal	23.98	3.09
21 24 16 00-0030	EA		1/2" Pipe Compression Seal	23.98	3.09
21 24 16 00-0031	EA		Cap, Nozzle Blow-Off (Standard).....	6.89	2.11
21 24 16 00-0032	EA		Cap, Nozzle Blow-Off (High Temperature)	15.98	2.11
21 24 16 00-0033	EA		Nozzle - Fryer, Griddle - 2 Flow Points Each	28.72	3.65
21 24 16 00-0034	EA		Nozzle - Appliance, Plenum - 1 Flow Points Each	28.72	3.65
21 24 16 00-0035	EA		Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	28.72	3.65
21 24 16 00-0036	EA		Nozzle - Upright Charbroiler - 1/2 Flow Points Each.....	28.72	3.65
21 24 16 00-0037	EA		Nozzle - Duct (Only) - 2 Flow Points Each.....	28.72	3.65
21 24 16 00-0038	EA		Nozzle - Four Burner Range - 2 Flow Points Each	41.31	5.29
21 24 16 00-0039	EA		Gas Valve - Mechanical - 3/4" Or 1"	228.21	21.55
21 24 16 00-0040	EA		Gas Valve - Mechanical - 1-1/4" Or 1-1/2"	269.13	31.30
21 24 16 00-0041	EA		Gas Valve - Mechanical - 2".....	335.08	36.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve)	361.91	46.09
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads	19.05	2.44
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	30.73	3.91
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	64.62	8.22
21 24 16 00-0046 Range Guard Fire Suppression Systems <small>(2124 16)</small>		
<i>Note: Range Guard or equal.</i>		
21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve	438.01	62.78
21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve	546.75	78.36
21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve	675.00	96.76
21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve	801.75	114.87
21 24 16 00-0051 EA Vent Plug	18.40	2.62
21 24 16 00-0052 EA Discharge Adapter Kit	23.70	
21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket	48.75	6.96
21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket	51.60	7.41
21 24 16 00-0055 EA 4 Gallon Wall Bracket	97.44	13.99
21 24 16 00-0056 EA 6 Gallon Wall Bracket	108.00	15.49
21 24 16 00-0057 EA Mechanical Control Head, No Microswitch	381.01	54.63
21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch	397.50	56.95
21 24 16 00-0059 EA Mechanical Control Head, 2 Microswitches	456.00	65.33
21 24 16 00-0060 EA Tandem Control Head	346.50	49.69
21 24 16 00-0061 EA Electric Control Head, 120 Volt AC / 24 Volt DC	586.50	84.04
21 24 16 00-0062 EA Mechanical Control Box	261.00	37.42
21 24 16 00-0063 EA Tandem Control Box	261.00	37.42
21 24 16 00-0064 EA Mechanical Control Box Adapter	76.51	11.00
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator	229.90	32.93
21 24 16 00-0066 EA Pressure Operated Actuator	94.51	13.55
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder.....	153.00	21.93
21 24 16 00-0068 EA BMCS-1 Actuator Assembly	156.00	22.37
21 24 16 00-0069 EA BMCS-1 Mounting Bracket	38.25	5.46
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder.....	441.47	63.24
21 24 16 00-0071 EA BMCS-7 Mounting Bracket	94.51	13.55
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit	94.51	13.55
21 24 16 00-0073 EA Check Valve.....	79.73	16.09
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems	42.75	6.13
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	18.60	2.67
21 24 16 00-0076 EA Replacement Receiver Gasket For BMCS-Actuator Assembly.....	4.90	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders.....	97.50	13.99
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW	44.70	6.44
21 24 16 00-0079 EA Nozzles; DM And LPF	49.80	7.11
21 24 16 00-0080 EA Swivel Adapter.....	31.50	4.49
21 24 16 00-0081 EA Corner Pulley.....	13.50	1.94
21 24 16 00-0082 LF 1/16" Stainless Steel Cable	0.61	0.22
21 24 16 00-0083 EA Cable Crimp Sleeve.....	0.73	0.22
21 24 16 00-0084 EA "S" Hook	0.57	0.15
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	46.48	6.66
21 24 16 00-0086 EA Cable Clamp	4.14	0.59
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable.....	0.57	0.15
21 24 16 00-0088 EA 3/8" Cable Anchor.....	49.12	7.03
21 24 16 00-0089 EA 1/2" Cable Anchor.....	49.12	7.03
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable).....	79.46	11.37
21 24 16 00-0091 EA Tee Pulley, Use For Mechanical Pull And Gas Valve	84.80	12.13
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line.....	99.34	14.22
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit	31.12	4.49
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line	130.43	18.63
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line.....	99.34	14.22
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit.....	118.43	16.99
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only	21.29	3.07
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	23.63	3.36
21 24 16 00-0099 EA Fusible Link 165F To 360F	7.75	1.12
21 24 16 00-0100 EA Fusible Link 500F	12.19	1.12
21 24 16 00-0101 EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	23.63	3.36
21 24 16 00-0102 EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	17.48	3.36
21 24 16 00-0103 EA Quartzoid Link 400 F	127.43	18.26
21 24 16 00-0104 EA Quartzoid Link 500 F	127.43	18.26
21 24 16 00-0105 EA SPDT Micro Switch For Use With A Plus Control Box	45.66	6.51
21 24 16 00-0106 EA DPDT Micro Switch For Use With A Plus Control Box	79.46	11.37
21 24 16 00-0107 EA SPDT Micro Switch For Use With A Mechanical Control Box.....	47.23	6.74
21 24 16 00-0108 EA DPDT Micro Switch For Use With A Mechanical Control Box.....	81.85	11.74
21 24 16 00-0109 EA SPDT Micro Switch For Use With PRCB	59.96	8.60
21 24 16 00-0110 EA DPDT Micro Switch For Use With PRCB.....	86.50	12.35
21 24 16 00-0111 EA Pressure Switch, SPDT (Fire Dept. Tie In)	253.36	36.29
21 24 16 00-0112 EA Circuit Monitor 12 Or 24 Volt DC	113.95	16.32
21 24 16 00-0113 EA Circuit Monitor 120 Volt AC.....	113.95	16.32
21 24 16 00-0114 EA Electric Manual Pull Station.....	83.20	11.90
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell	46.48	6.66
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell	65.96	9.43
21 24 16 00-0117 EA Fuse, 1.2 For ECH.....	5.34	0.75
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC.....	23.63	3.36

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	23.63	3.36
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	86.96	12.42
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	95.95	13.77
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	2.59	0.98
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	11.99	1.72
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	128.94	18.48
21 24 16 00-0125	EA	Suppression Abort Station	136.43	19.53
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	158.92	22.75
21 24 16 00-0127	EA	Surface Mount Back Box	52.47	7.48
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	974.46	139.42
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	974.46	139.42
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	80.96	11.60
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	3.12	0.52
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	704.58	
21 24 16 00-0133	EA	Extra Scorpio Key	11.99	
21 24 16 00-0134	EA	Extra Scorpio Manual	7.50	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	20.38	2.92
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	22.13	3.14
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	26.63	3.82
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	28.48	4.04
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	22.13	3.14
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	22.13	3.14
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	37.88	5.46
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	50.22	7.18
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	22.13	3.14
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	49.26	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	84.70	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	128.02	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	187.34	
21 24 16 00-0148	EA	Inlet Flushing Adapter	36.73	5.24
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	36.73	5.24
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	36.73	5.24
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	36.73	5.24
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	36.73	5.24
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	50.97	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	4.10	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	4.90	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	3.45	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	2.49	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	644.61	92.28
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	752.56	107.69
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	936.97	134.11
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	936.97	134.11
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,178.31	168.61
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	558.42	79.93
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	524.69	75.06
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	424.25	60.69
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	734.57	105.15
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	673.09	96.32

21 30 Fire Pumps (21)**21 31 Centrifugal Fire Pumps (21 30)****21 31 13 Electric-Drive, Centrifugal Fire Pumps (21 31)****21 31 13 00-0001 Electric-Drive Fire Pumps (21 31 13)**

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump	29,518.28	1,256.69
		<i>For Duplex Pumping System, Add</i>	28,261.59	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	34,403.78	1,413.79
		<i>For Duplex Pumping System, Add</i>	33,094.72	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	46,840.42	1,570.87
		<i>For Duplex Pumping System, Add</i>	45,385.91	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	57,660.14	1,695.97
		<i>For Duplex Pumping System, Add</i>	55,964.17	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	64,364.41	1,850.16
		<i>For Duplex Pumping System, Add</i>	62,514.26	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps (21 31)**21 31 16 00-0001 Diesel-Drive Fire Pumps (21 31 16)**

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	43,290.49	1,387.62
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	48,970.11	1,541.79
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	51,456.29	1,695.97
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	58,553.41	1,850.16
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	62,157.23	2,158.52
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	66,920.76	2,775.23



Fire Suppression	21	21
Fire Pumps	21 30	
Centrifugal Fire Pumps	21 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	72,642.62	3,083.59
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	83,064.64	3,515.29
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	99,478.22	3,792.81
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	116,710.82	4,317.02
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	138,508.57	4,625.38
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	155,961.38	4,933.74

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 31	Centrifugal Fire Pumps



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing⁽²²⁾

22 01 40 Operation and Maintenance of Plumbing Fixtures^(22 01)

22 01 40 00-0001 Fixture And/Or Trim Replacement^(22 01 40)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 00-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube.....	43.69	
22 01 40 00-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement.....	15.70	
22 01 40 00-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	21.66	
22 01 40 00-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	29.78	
22 01 40 00-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement.....	46.65	
22 01 40 00-0007	EA	Shower Head, Polished Chrome, Replacement.....	33.09	
22 01 40 00-0008	EA	Shower Arm Replacement.....	26.84	
22 01 40 00-0009	EA	Shower Head Replacement	26.59	
22 01 40 00-0010	EA	Shower Knob Replacement	25.54	
22 01 40 00-0011	EA	Hand Held Shower Replacement, ADA	56.66	
22 01 40 00-0012	EA	Shower and Tub Control Trim Replacement.....	69.19	
		Note: Excludes balancing valve.		
22 01 40 00-0013	EA	Sink Basket Strainer Replacement	16.94	
22 01 40 00-0014	EA	Sink Drain Without Stopper, 1-1/2" Replacement	9.76	
22 01 40 00-0015	EA	Sink Drain Without Stopper, 4-1/2" Replacement	10.18	
22 01 40 00-0016	EA	Sink Drain With Stopper, 1-1/2" Replacement	9.76	
22 01 40 00-0017	EA	1" Sink Rubber Stopper Replacement	6.94	
22 01 40 00-0018	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	18.01	
22 01 40 00-0019	EA	Sink Trap, Adjustable, 1-1/2" Replacement	28.04	
22 01 40 00-0020	EA	Lavatory Pop-Up Rod Replacement	19.81	
22 01 40 00-0021	EA	Lavatory Pop-up Drain Stopper Replacement	22.74	
22 01 40 00-0022	EA	Faucet Handle Replacement	24.01	
22 01 40 00-0023	EA	Faucet O-Ring Replacement	18.58	
22 01 40 00-0024	EA	1-1/2" Faucet Hole Cover	12.50	
22 01 40 00-0025	EA	Toilet Ballcock Replacement.....	28.83	
22 01 40 00-0026	EA	Toilet Bowl Ring, Flat Wax, Replacement.....	5.46	
		Note: Excludes removal of toilet.		
22 01 40 00-0027	EA	Toilet Tank Replacement.....	119.27	
22 01 40 00-0028	EA	Toilet Bowl, 10" Replacement.....	143.58	
22 01 40 00-0029	EA	Toilet Bowl, 10", Watersaver, Replacement.....	156.53	
22 01 40 00-0030	EA	Toilet Bowl, 12", Replacement.....	169.03	
22 01 40 00-0031	EA	Toilet Bowl, Elongated, 18", Replacement.....	147.94	
22 01 40 00-0032	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement	16.78	
22 01 40 00-0033	EA	Toilet Flapper With Chain Replacement	13.55	
22 01 40 00-0034	EA	Toilet Flush Tank Lever Replacement	14.21	
22 01 40 00-0035	EA	Elongated Toilet Seat With Lid Replacement.....	83.44	
22 01 40 00-0036	EA	Elongated Toilet Seat Without Lid Replacement.....	51.44	
22 01 40 00-0037	EA	Handicap Toilet Seat Replacement, Complete With Rails.....	122.40	
22 01 40 00-0038	EA	Diverter Tub Spout Replacement.....	38.22	
22 01 40 00-0039	EA	Tub Spout Replacement	27.78	
22 01 40 00-0040	EA	2" Tub Stopper, Replacement.....	7.91	
22 01 40 00-0041	EA	Tub Waste/Overflow Replacement	56.58	
22 01 40 00-0042	EA	Tub Stem Bonnet Assembly Replacement	27.47	
22 01 40 00-0043	EA	Faucet Bonnet Replacement	31.00	
22 01 40 00-0044	EA	Faucet Diverter Stem Replacement	19.19	
22 01 40 00-0045	EA	Faucet Diverter Stem And Bonnet Replacement	25.82	
22 01 40 00-0046	EA	Faucet Spout Replacement	30.09	
22 01 40 00-0047	EA	Faucet Stem Replacement	21.75	
22 01 40 00-0048	EA	Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement	132.88	
22 01 40 00-0049	EA	Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement	165.64	
22 01 40 00-0050	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement.....	102.77	

22 05 Common Work Results for Plumbing⁽²²⁾

22 05 13 Common Motor Requirements For Plumbing Equipment^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 19 Meters And Gages For Plumbing Piping^(22 05)

See CSI section 23 05 19 00-0000 for gages.

22 05 19 00-0001 Bronze Disk Type Water Supply Meters^(22 05 19)

22 05 19 00-0002	EA	5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	131.23	42.28
		For >10 To 25, Deduct	-6.56	
		For >25, Deduct	-15.41	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 19 Meters And Gages For Plumbing Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 19 00-0003	EA		3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	163.51	50.40
			<i>For >10 To 25, Deduct</i>	-8.18	
			<i>For >25, Deduct</i>	-19.45	
22 05 19 00-0004	EA		1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	214.68	57.72
			<i>For >10 To 25, Deduct</i>	-10.73	
			<i>For >25, Deduct</i>	-26.40	
22 05 19 00-0005	EA		1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	404.92	86.17
			<i>For >10 To 25, Deduct</i>	-20.25	
			<i>For >25, Deduct</i>	-52.09	
22 05 19 00-0006	EA		2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	546.59	112.19
			<i>For >10 To 25, Deduct</i>	-27.33	
			<i>For >25, Deduct</i>	-70.70	
22 05 19 00-0007	EA		1/2" Diameter Transmitting Water Supply Meter, Screwed	627.50	42.28
			<i>For >10 To 25, Deduct</i>	-31.38	
			<i>For >25, Deduct</i>	-89.85	
22 05 19 00-0008	EA		3/4" Diameter Transmitting Water Supply Meter, Screwed	646.44	50.40
			<i>For >10 To 25, Deduct</i>	-32.32	
			<i>For >25, Deduct</i>	-91.89	
22 05 19 00-0009	EA		1" Diameter Transmitting Water Supply Meter, Screwed	665.83	57.72
			<i>For >10 To 25, Deduct</i>	-33.29	
			<i>For >25, Deduct</i>	-94.07	
22 05 19 00-0010	EA		1-1/2" Diameter Transmitting Water Supply Meter, Screwed	917.45	86.17
			<i>For >10 To 25, Deduct</i>	-45.87	
			<i>For >25, Deduct</i>	-128.97	
22 05 19 00-0011	EA		2" Diameter Transmitting Water Supply Meter, Screwed	1,235.03	112.19
			<i>For >10 To 25, Deduct</i>	-61.75	
			<i>For >25, Deduct</i>	-173.96	
22 05 19 00-0012	EA		Electronic Transmitter	233.53	20.33
			Note: For use with transmitting meter valve.		
			<i>For >10 To 25, Deduct</i>	-11.68	
			<i>For >25, Deduct</i>	-33.00	
22 05 19 00-0013			Flanged Compound Type Water Service Meter (22 05 19)		
22 05 19 00-0014	EA		2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,636.32	130.89
			<i>For >10 To 25, Deduct</i>	-81.82	
			<i>For >25, Deduct</i>	-224.07	
22 05 19 00-0015	EA		3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,998.07	173.85
			<i>For >10 To 25, Deduct</i>	-99.90	
			<i>For >25, Deduct</i>	-264.90	
22 05 19 00-0016	EA		4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,224.79	240.97
			<i>For >10 To 25, Deduct</i>	-161.24	
			<i>For >25, Deduct</i>	-435.44	
22 05 19 00-0017	EA		6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,557.38	356.22
			<i>For >10 To 25, Deduct</i>	-227.87	
			<i>For >25, Deduct</i>	-612.33	
22 05 19 00-0018	EA		8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	9,098.46	467.73
			<i>For >10 To 25, Deduct</i>	-454.92	
			<i>For >25, Deduct</i>	-1,271.23	
22 05 19 00-0019	EA		10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,318.68	566.88
			<i>For >10 To 25, Deduct</i>	-765.93	
			<i>For >25, Deduct</i>	-2,184.43	
22 05 19 00-0020			Flanged Turbine Water Service Meter (22 05 19)		
22 05 19 00-0021			Vertical Turbine Meters (22 05 19 00-0020)		
22 05 19 00-0022	EA		1-1/2" Diameter, 0-100 GPM Vertical Turbine Meter, Flanged.....	473.49	103.28
			<i>For >10 To 25, Deduct</i>	-23.67	
			<i>For >25, Deduct</i>	-54.19	
22 05 19 00-0023	EA		2" Diameter, 0-160 GPM Vertical Turbine Meter, Flanged.....	648.73	130.89
			<i>For >10 To 25, Deduct</i>	-32.44	
			<i>For >25, Deduct</i>	-75.93	
22 05 19 00-0024	EA		3" Diameter, 0-350 GPM Vertical Turbine Meter, Flanged.....	1,119.16	214.11
			<i>For >10 To 25, Deduct</i>	-55.96	
			<i>For >25, Deduct</i>	-132.90	
22 05 19 00-0025	EA		4" Diameter, 0-650 GPM Vertical Turbine Meter, Flanged.....	1,621.78	296.50
			<i>For >10 To 25, Deduct</i>	-81.09	
			<i>For >25, Deduct</i>	-194.84	
22 05 19 00-0026	EA		6" Diameter, 0-1300 GPM Vertical Turbine Meter, Flanged.....	2,987.67	436.37
			<i>For >10 To 25, Deduct</i>	-149.38	
			<i>For >25, Deduct</i>	-376.88	
22 05 19 00-0027			Horizontal Turbine Meters (22 05 19 00-0020)		
22 05 19 00-0028	EA		1-1/2" Diameter, 0-120 GPM Horizontal Turbine Meter, Flanged	676.90	103.28
			<i>For >10 To 25, Deduct</i>	-33.85	
			<i>For >25, Deduct</i>	-84.70	
22 05 19 00-0029	EA		2" Diameter, 0-160 GPM Horizontal Turbine Meter, Flanged.....	939.11	130.89
			<i>For >10 To 25, Deduct</i>	-46.96	
			<i>For >25, Deduct</i>	-119.49	
22 05 19 00-0030	EA		3" Diameter, 0-600 GPM Horizontal Turbine Meter, Flanged.....	1,235.59	214.11
			<i>For >10 To 25, Deduct</i>	-61.78	
			<i>For >25, Deduct</i>	-150.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 19 00-0031 EA 4" Diameter, 0-1,000 GPM Horizontal Turbine Meter, Flanged <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	1,775.67 -88.78 -217.92	296.50
22 05 19 00-0032 EA 6" Diameter, 0-2,000 GPM Horizontal Turbine Meter, Flanged <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	3,548.38 -177.42 -460.98	436.37
22 05 19 00-0033 EA 8" Diameter, 0-3,500 GPM Horizontal Turbine Meter, Flanged <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	4,750.65 -237.53 -619.05	572.72
22 05 19 00-0034 EA 10" Diameter, 0-5,500 GPM Horizontal Turbine Meter, Flanged <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	6,532.18 -326.61 -866.44	694.17
22 05 19 00-0035 EA 12" Diameter, 0-6,600 GPM Horizontal Turbine Meter, Flanged <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	7,702.64 -385.13 -1,017.70	845.65

22 05 23 General-Duty Valves For Plumbing Piping (22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 23 00-0001 Earthquake-Sensitive Gas Shut-Off Valve (22 05 23)

22 05 23 00-0002 0.5 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0001)

22 05 23 00-0003 EA 3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	155.18	8.94
22 05 23 00-0004 EA 1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	174.72	10.16

22 05 23 00-0005 7 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0001)

22 05 23 00-0006 EA 1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve	202.62	10.81
22 05 23 00-0007 EA 1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve	276.91	12.52

22 05 23 00-0008 60 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0001)

22 05 23 00-0009 EA 3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	194.76	8.94
22 05 23 00-0010 EA 1" 60 PSI Threaded Earthquake Gas Shutoff Valve	202.20	10.16
22 05 23 00-0011 EA 1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	224.61	10.81
22 05 23 00-0012 EA 1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	309.89	12.52
22 05 23 00-0013 EA 2" 60 PSI Threaded Earthquake Gas Shutoff Valve	733.55	14.80
22 05 23 00-0014 EA 2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	869.04	19.91
22 05 23 00-0015 EA 3" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,132.07	23.20
22 05 23 00-0016 EA 4" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,312.83	26.19

22 05 23 00-0017 60 PSI Flanged Earthquake Gas Shutoff Valves (22 05 23 00-0001)

22 05 23 00-0018 EA 2" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,015.01	108.37
22 05 23 00-0019 EA 3" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,253.13	127.22
22 05 23 00-0020 EA 4" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,751.46	213.28
22 05 23 00-0021 EA 6" 60 PSI Flanged Earthquake Gas Shutoff Valve	2,946.37	290.23
22 05 23 00-0022 EA 8" 60 PSI Flanged Earthquake Gas Shutoff Valve	8,000.46	333.76

22 05 23 00-0023 Mud Valves (Drain Plug Valves) (22 05 23)

Note: For settling basins, waterworks, sewage treatment plants where sedimentateous material must be flushed from system.

22 05 23 00-0024 EA 4" Flanged End, Non Rising Stem Mud Valve	754.14	160.38
22 05 23 00-0025 EA 6" Flanged End, Non Rising Stem Mud Valve	895.19	224.51
22 05 23 00-0026 EA 8" Flanged End, Non Rising Stem Mud Valve	1,115.04	248.80
22 05 23 00-0027 EA 10" Flanged End, Non Rising Stem Mud Valve	1,647.33	304.73
22 05 23 00-0028 EA 12" Flanged End, Non Rising Stem Mud Valve	1,937.80	369.38
22 05 23 00-0029 EA 14" Flanged End, Non Rising Stem Mud Valve	3,542.08	449.01
22 05 23 00-0030 EA 16" Flanged End, Non Rising Stem Mud Valve	4,192.66	493.92
22 05 23 00-0031 EA 18" Flanged End, Non Rising Stem Mud Valve	4,767.14	590.27
22 05 23 00-0032 EA 24" Flanged End, Non Rising Stem Mud Valve	6,683.34	817.23

22 05 23 00-0033 Regulators, Clay Valve (22 05 23)

22 05 23 00-0034 EA 4" Regulator - Clay Valve	1,174.38
22 05 23 00-0035 EA 8" Regulator - Clay Valve	1,594.43
22 05 23 00-0036 EA 10" Regulator - Clay Valve	2,194.57
22 05 23 00-0037 EA 12" Regulator - Clay Valve	2,689.02
22 05 23 00-0038 EA 18" Regulator - Clay Valve	4,557.01
22 05 23 00-0039 EA 24" Regulator - Clay Valve	7,339.87

22 05 29 Hangers And Supports For Plumbing Piping And Equipment (22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing For Plumbing Piping (22 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration And Seismic Controls For Plumbing Piping And

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Equipment ^(22 05) See CSI section 23 05 48 00-0000 for vibration and seismic control.		
22 05 53 Identification For Plumbing Piping And Equipment ^(22 05) See CSI section 23 05 53 00-0000 for identification.		
22 05 76 Facility Drainage Piping Cleanouts ^(22 05)		
22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover ^(22 05 76) Note: For floor installation.		
22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover ^(22 05 76 00-0001)		
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	288.68	43.25
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	318.99	54.23
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	396.32	65.52
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	549.20	73.32
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	665.80	79.43
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover ^(22 05 76 00-0001)		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	326.48	43.25
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	357.34	54.15
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	434.72	65.52
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	587.64	73.32
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	704.18	79.43
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0014 Wall Cover For Cleanout <small>(22 05 76)</small> Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top <small>(22 05 76 00-0014)</small> Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	49.90	13.57
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	55.32	16.26
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	68.39	18.29
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	106.04	20.33
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	152.11	22.36
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top <small>(22 05 76 00-0014)</small> Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	135.10	13.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	187.45	14.23
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	200.08	15.04
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	224.14	17.08
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top <small>(22 05 76 00-0014)</small> Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	135.10	13.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	187.45	14.23
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	200.08	15.04
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel.....	224.14	17.08
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated <small>(22 05 76 00-0014)</small> Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	131.60	13.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	175.95	14.23
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	242.58	15.04
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	292.14	17.08
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0036 Cast Iron Cleanout Tee <small>(22 05 76)</small>		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover <small>(22 05 76 00-0036)</small> Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	213.08	43.25
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	248.14	54.15
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	318.92	65.52
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	686.18	79.43
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036)		
Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	339.68	43.25
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	374.74	54.15
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	437.12	65.52
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	857.18	79.43
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug	174.53	35.36
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug	194.23	38.61
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug	258.22	50.81
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug	372.32	60.16
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug	604.27	71.13
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	31.40	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug	36.03	11.05
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057 EA 3" Threaded Bronze Plug	52.93	12.19
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug	60.01	14.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059 EA 4" Threaded Bronze Plug	68.08	16.26
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060 EA 5" Threaded Bronze Plug	89.65	18.29
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061 EA 6" Threaded Bronze Plug	123.21	20.33
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062 EA 8" Threaded Bronze Plug	192.21	22.36
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063 EA 10" Threaded Bronze Plug	266.28	24.38
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head	24.30	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head	24.99	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head	27.41	11.05
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head	31.34	12.19
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head	37.28	14.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head	44.48	16.26
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head	48.05	17.13
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head	52.07	18.29
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head	72.88	20.32
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head	23.76	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head	24.52	10.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head	28.91	11.05
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head	31.56	12.19
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head	36.63	14.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head	43.46	16.26
For Plug Tapped For Center Screw, Add	9.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	51.51 9.50	18.29
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	63.89 9.50	20.33

22 07 Plumbing Insulation (22)

22 07 16 Plumbing Equipment Insulation (22 07)

22 07 16 00-0001 Lavatory Insulation (22 07 16)

22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories.....	172.10	18.29
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22 07 19 Plumbing Piping Insulation (22 07)

22 07 19 00-0001 Fiberglass Pipe Insulation (22 07 19)

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0003 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.97 0.12 1.45	1.79
22 07 19 00-0004 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.09 0.13 1.45	1.79
22 07 19 00-0005 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.46 0.14 1.54	1.87
22 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.70 0.15 1.57	1.95
22 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.90 0.16 1.60	1.95
22 07 19 00-0008 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.29 0.18 1.68	2.03
22 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.63 0.20 1.71	2.11
22 07 19 00-0010 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.05 0.23 1.77	2.19
22 07 19 00-0011 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.13 0.29 1.91	2.36
22 07 19 00-0012 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.79 0.35 2.24	2.76

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0014 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.02 0.14 2.00	2.44
22 07 19 00-0015 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.22 0.16 2.00	2.44
22 07 19 00-0016 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.35 0.16 2.03	2.44
22 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.64 0.19 2.06	2.52
22 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.87 0.20 2.09	2.52
22 07 19 00-0019 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.24 0.22 2.15	2.60
22 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.74 0.24 2.24	2.76
22 07 19 00-0021 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.23 0.27 2.29	2.85
22 07 19 00-0022 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.57 0.35 2.47	3.01

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0023	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.37	3.49
			<i>For Single Layer Of Felt Finish, Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 07 19 00-0024	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.48	3.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.19	
22 07 19 00-0025	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.38	4.63
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0026	LF		12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.25	5.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
22 07 19 00-0027	LF		14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.98	5.77
			<i>For Single Layer Of Felt Finish, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 07 19 00-0028			1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029	LF		1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.68	2.51
			<i>For Single Layer Of Felt Finish, Add</i>	0.29	
			<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0030	LF		3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.81	2.51
			<i>For Single Layer Of Felt Finish, Add</i>	0.30	
			<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0031	LF		1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.36	2.66
			<i>For Single Layer Of Felt Finish, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	2.21	
22 07 19 00-0032	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.73	2.72
			<i>For Single Layer Of Felt Finish, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0033	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.04	2.76
			<i>For Single Layer Of Felt Finish, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0034	LF		2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.77	2.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0035	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.27	2.96
			<i>For Single Layer Of Felt Finish, Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0036	LF		3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.68	3.06
			<i>For Single Layer Of Felt Finish, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0037	LF		4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.98	3.31
			<i>For Single Layer Of Felt Finish, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0038	LF		6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.19	3.87
			<i>For Single Layer Of Felt Finish, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0039	LF		8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.17	4.08
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0040	LF		10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.18	4.88
			<i>For Single Layer Of Felt Finish, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 07 19 00-0041	LF		12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.18	5.69
			<i>For Single Layer Of Felt Finish, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 07 19 00-0042	LF		14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.18	6.23
			<i>For Single Layer Of Felt Finish, Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 07 19 00-0043			2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.91	2.76
			<i>For Single Layer Of Felt Finish, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.05	2.76
			<i>For Single Layer Of Felt Finish, Add</i>	0.46	
			<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.46	2.85
			<i>For Single Layer Of Felt Finish, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.83	2.85
			<i>For Single Layer Of Felt Finish, Add</i>	0.52	
			<i>For Work In Restricted Working Space, Add</i>	2.35	
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.20	2.93
			<i>For Single Layer Of Felt Finish, Add</i>	0.55	
			<i>For Work In Restricted Working Space, Add</i>	2.38	
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.71	3.01
			<i>For Single Layer Of Felt Finish, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.41	3.09
			<i>For Single Layer Of Felt Finish, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.16 0.67 2.64	3.25
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 0.76 2.79	3.41
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.60 0.89 3.35	4.01
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.20 1.10 3.53	4.24
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.57 1.31 4.22	5.06
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.57 1.44 5.06	6.07
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.03 1.63 7.06	6.62
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.18 1.85 7.06	7.76
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.69 2.20 7.41	8.16
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.78 2.47 8.47	9.31
22 07 19 00-0061 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.22 2.74 10.23	11.26
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0063 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.76 0.62 2.65	3.25
22 07 19 00-0064 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.96 0.64 2.65	3.25
22 07 19 00-0065 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.55 0.69 2.69	3.25
22 07 19 00-0066 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.98 0.73 2.71	3.33
22 07 19 00-0067 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.43 0.77 2.73	3.33
22 07 19 00-0068 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.12 0.80 2.84	3.49
22 07 19 00-0069 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.08 0.87 2.94	3.57
22 07 19 00-0070 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.95 0.93 3.04	3.74
22 07 19 00-0071 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.94 1.08 3.21	3.91
22 07 19 00-0072 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.01 1.25 3.65	4.15
22 07 19 00-0073 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.00 1.94 4.07	4.95
22 07 19 00-0074 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.20 2.37 4.69	5.69
22 07 19 00-0075 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.46 2.52 5.83	7.07
22 07 19 00-0076 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.12 2.93 6.36	7.80
22 07 19 00-0077 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.86 3.23 8.13	9.92
22 07 19 00-0078 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.20 3.54 8.53	10.40

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.61	11.87
			<i>For Single Layer Of Felt Finish, Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	9.76	
22 07 19 00-0080	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.08	14.34
			<i>For Single Layer Of Felt Finish, Add</i>	4.60	
			<i>For Work In Restricted Working Space, Add</i>	11.79	
22 07 19 00-0081			3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.28	3.59
			<i>For Single Layer Of Felt Finish, Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.50	3.59
			<i>For Single Layer Of Felt Finish, Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.09	3.62
			<i>For Single Layer Of Felt Finish, Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.56	3.64
			<i>For Single Layer Of Felt Finish, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.09	3.69
			<i>For Single Layer Of Felt Finish, Add</i>	0.85	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.79	3.83
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.12	
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.85	3.96
			<i>For Single Layer Of Felt Finish, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.82	4.11
			<i>For Single Layer Of Felt Finish, Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.02	4.33
			<i>For Single Layer Of Felt Finish, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	3.53	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.37	4.91
			<i>For Single Layer Of Felt Finish, Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	4.01	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.13	5.48
			<i>For Single Layer Of Felt Finish, Add</i>	2.13	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.97	6.32
			<i>For Single Layer Of Felt Finish, Add</i>	2.60	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.74	7.86
			<i>For Single Layer Of Felt Finish, Add</i>	2.77	
			<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	53.96	8.59
			<i>For Single Layer Of Felt Finish, Add</i>	3.22	
			<i>For Work In Restricted Working Space, Add</i>	7.00	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.57	10.96
			<i>For Single Layer Of Felt Finish, Add</i>	3.55	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	68.34	11.52
			<i>For Single Layer Of Felt Finish, Add</i>	3.89	
			<i>For Work In Restricted Working Space, Add</i>	9.39	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.58	13.17
			<i>For Single Layer Of Felt Finish, Add</i>	4.39	
			<i>For Work In Restricted Working Space, Add</i>	10.73	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	91.28	15.90
			<i>For Single Layer Of Felt Finish, Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	12.97	
22 07 19 00-0100			3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.55	3.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.81	3.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.67	3.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.17	3.99
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.77	3.99
			<i>For Single Layer Of Felt Finish, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.51	4.15
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.66	4.31
<i>For Single Layer Of Felt Finish, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	3.52	
22 07 19 00-0108 LF 3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.64	4.47
<i>For Single Layer Of Felt Finish, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	3.65	
22 07 19 00-0109 LF 4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.15	4.71
<i>For Single Layer Of Felt Finish, Add</i>	1.29	
<i>For Work In Restricted Working Space, Add</i>	3.86	
22 07 19 00-0110 LF 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.80	5.37
<i>For Single Layer Of Felt Finish, Add</i>	1.49	
<i>For Work In Restricted Working Space, Add</i>	4.37	
22 07 19 00-0111 LF 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.37	5.93
<i>For Single Layer Of Felt Finish, Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.87	
22 07 19 00-0112 LF 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.84	6.83
<i>For Single Layer Of Felt Finish, Add</i>	2.84	
<i>For Work In Restricted Working Space, Add</i>	5.63	
22 07 19 00-0113 LF 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.14	8.54
<i>For Single Layer Of Felt Finish, Add</i>	3.03	
<i>For Work In Restricted Working Space, Add</i>	6.99	
22 07 19 00-0114 LF 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.96	9.34
<i>For Single Layer Of Felt Finish, Add</i>	3.52	
<i>For Work In Restricted Working Space, Add</i>	7.63	
22 07 19 00-0115 LF 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.44	11.87
<i>For Single Layer Of Felt Finish, Add</i>	3.88	
<i>For Work In Restricted Working Space, Add</i>	9.75	
22 07 19 00-0116 LF 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.65	12.51
<i>For Single Layer Of Felt Finish, Add</i>	4.25	
<i>For Work In Restricted Working Space, Add</i>	10.24	
22 07 19 00-0117 LF 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	84.76	14.31
<i>For Single Layer Of Felt Finish, Add</i>	4.80	
<i>For Work In Restricted Working Space, Add</i>	11.71	
22 07 19 00-0118 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	99.70	17.24
<i>For Single Layer Of Felt Finish, Add</i>	5.52	
<i>For Work In Restricted Working Space, Add</i>	14.15	
22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.88	4.39
<i>For Single Layer Of Felt Finish, Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0121 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.17	4.39
<i>For Single Layer Of Felt Finish, Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0122 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.97	4.39
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0123 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.62	4.47
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0124 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.51	4.63
<i>For Single Layer Of Felt Finish, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	3.78	
22 07 19 00-0125 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.33	4.79
<i>For Single Layer Of Felt Finish, Add</i>	1.08	
<i>For Work In Restricted Working Space, Add</i>	3.90	
22 07 19 00-0126 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.37	4.79
<i>For Single Layer Of Felt Finish, Add</i>	1.17	
<i>For Work In Restricted Working Space, Add</i>	3.96	
22 07 19 00-0127 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.58	5.04
<i>For Single Layer Of Felt Finish, Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	4.10	
22 07 19 00-0128 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.27	5.29
<i>For Single Layer Of Felt Finish, Add</i>	1.45	
<i>For Work In Restricted Working Space, Add</i>	4.33	
22 07 19 00-0129 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.40	6.01
<i>For Single Layer Of Felt Finish, Add</i>	1.68	
<i>For Work In Restricted Working Space, Add</i>	4.92	
22 07 19 00-0130 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.16	6.50
<i>For Single Layer Of Felt Finish, Add</i>	2.61	
<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0131 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.57	7.72
<i>For Single Layer Of Felt Finish, Add</i>	3.20	
<i>For Work In Restricted Working Space, Add</i>	6.33	
22 07 19 00-0132 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.68	9.59
<i>For Single Layer Of Felt Finish, Add</i>	3.41	
<i>For Work In Restricted Working Space, Add</i>	7.87	
22 07 19 00-0133 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.34	10.48
<i>For Single Layer Of Felt Finish, Add</i>	3.96	
<i>For Work In Restricted Working Space, Add</i>	8.59	
22 07 19 00-0134 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.16	13.41
<i>For Single Layer Of Felt Finish, Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	10.98	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0135 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	83.95	14.06
For Single Layer Of Felt Finish, Add	4.79	
For Work In Restricted Working Space, Add	11.51	
22 07 19 00-0136 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	94.16	16.10
For Single Layer Of Felt Finish, Add	5.28	
For Work In Restricted Working Space, Add	13.17	
22 07 19 00-0137 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	112.17	19.43
For Single Layer Of Felt Finish, Add	6.21	
For Work In Restricted Working Space, Add	15.92	
22 07 19 00-0138 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	128.12	22.92
For Single Layer Of Felt Finish, Add	6.89	
For Work In Restricted Working Space, Add	18.76	
22 07 19 00-0139 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	144.50	26.98
For Single Layer Of Felt Finish, Add	7.44	
For Work In Restricted Working Space, Add	22.09	
22 07 19 00-0140 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	163.06	31.87
For Single Layer Of Felt Finish, Add	7.96	
For Work In Restricted Working Space, Add	26.17	
22 07 19 00-0141 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	197.06	40.51
For Single Layer Of Felt Finish, Add	9.05	
For Work In Restricted Working Space, Add	33.27	
22 07 19 00-0142 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	231.06	49.34
For Single Layer Of Felt Finish, Add	10.13	
For Work In Restricted Working Space, Add	40.37	
22 07 19 00-0143 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	248.53	54.22
For Single Layer Of Felt Finish, Add	10.52	
For Work In Restricted Working Space, Add	44.50	
22 07 19 00-0144 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	264.24	58.36
For Single Layer Of Felt Finish, Add	10.94	
For Work In Restricted Working Space, Add	48.00	
22 07 19 00-0145 Foamglas Pipe Insulation, Rigid, Closed Cell <small>(22 07 19)</small>		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0146 1" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0145)</small>		
22 07 19 00-0147 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation	14.78	3.97
For Work In Restricted Working Space, Add	3.60	
22 07 19 00-0148 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation	15.49	3.97
For Work In Restricted Working Space, Add	3.60	
22 07 19 00-0149 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation	16.37	4.03
For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0150 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	16.79	4.08
For Work In Restricted Working Space, Add	3.71	
22 07 19 00-0151 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	17.44	4.14
For Work In Restricted Working Space, Add	3.76	
22 07 19 00-0152 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation	18.68	4.25
For Work In Restricted Working Space, Add	3.87	
22 07 19 00-0153 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	20.22	4.43
For Work In Restricted Working Space, Add	4.03	
22 07 19 00-0154 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation	21.95	4.54
For Work In Restricted Working Space, Add	4.13	
22 07 19 00-0155 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation	25.59	4.88
For Work In Restricted Working Space, Add	4.44	
22 07 19 00-0156 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation	33.01	5.51
For Work In Restricted Working Space, Add	5.01	
22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0145)</small>		
22 07 19 00-0158 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	20.63	5.20
For Work In Restricted Working Space, Add	4.72	
22 07 19 00-0159 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.07	5.20
For Work In Restricted Working Space, Add	4.72	
22 07 19 00-0160 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.52	5.20
For Work In Restricted Working Space, Add	4.72	
22 07 19 00-0161 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.37	5.37
For Work In Restricted Working Space, Add	4.88	
22 07 19 00-0162 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.20	5.55
For Work In Restricted Working Space, Add	5.04	
22 07 19 00-0163 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	25.18	5.75
For Work In Restricted Working Space, Add	5.23	
22 07 19 00-0164 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.44	5.97
For Work In Restricted Working Space, Add	5.42	
22 07 19 00-0165 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.50	6.19
For Work In Restricted Working Space, Add	5.63	
22 07 19 00-0166 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	35.14	6.43
For Work In Restricted Working Space, Add	5.85	
22 07 19 00-0167 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	39.94	6.82
For Work In Restricted Working Space, Add	6.20	
22 07 19 00-0168 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	43.58	7.24
For Work In Restricted Working Space, Add	6.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0169 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	53.47	8.51
<i>For Work In Restricted Working Space, Add</i>	7.73	
22 07 19 00-0170 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	61.25	9.90
<i>For Work In Restricted Working Space, Add</i>	8.99	
22 07 19 00-0171 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	66.61	10.23
<i>For Work In Restricted Working Space, Add</i>	9.30	
22 07 19 00-0172 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation.....	73.22	11.43
<i>For Work In Restricted Working Space, Add</i>	10.39	
22 07 19 00-0173 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation.....	82.63	13.52
<i>For Work In Restricted Working Space, Add</i>	12.29	
22 07 19 00-0174 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation.....	92.40	14.96
<i>For Work In Restricted Working Space, Add</i>	13.61	
22 07 19 00-0175 LF 24" Diameter Pipe, 2" Thick Fiberglass Insulation.....	116.72	16.58
<i>For Work In Restricted Working Space, Add</i>	15.07	
22 07 19 00-0176 2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0177 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	20.16	4.54
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 07 19 00-0178 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation.....	20.85	4.54
<i>For Work In Restricted Working Space, Add</i>	4.13	
22 07 19 00-0179 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation.....	21.69	4.59
<i>For Work In Restricted Working Space, Add</i>	4.18	
22 07 19 00-0180 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation.....	22.96	4.66
<i>For Work In Restricted Working Space, Add</i>	4.23	
22 07 19 00-0181 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	24.24	4.71
<i>For Work In Restricted Working Space, Add</i>	4.29	
22 07 19 00-0182 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation.....	27.34	4.88
<i>For Work In Restricted Working Space, Add</i>	4.44	
22 07 19 00-0183 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	28.72	5.06
<i>For Work In Restricted Working Space, Add</i>	4.60	
22 07 19 00-0184 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation.....	30.95	5.23
<i>For Work In Restricted Working Space, Add</i>	4.76	
22 07 19 00-0185 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation.....	35.09	5.52
<i>For Work In Restricted Working Space, Add</i>	5.02	
22 07 19 00-0186 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation.....	42.19	6.26
<i>For Work In Restricted Working Space, Add</i>	5.70	
22 07 19 00-0187 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation.....	46.95	6.99
<i>For Work In Restricted Working Space, Add</i>	6.35	
22 07 19 00-0188 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation.....	57.43	8.05
<i>For Work In Restricted Working Space, Add</i>	7.32	
22 07 19 00-0189 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation.....	71.13	10.02
<i>For Work In Restricted Working Space, Add</i>	9.10	
22 07 19 00-0190 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation.....	75.84	10.93
<i>For Work In Restricted Working Space, Add</i>	9.94	
22 07 19 00-0191 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation.....	88.96	13.97
<i>For Work In Restricted Working Space, Add</i>	12.71	
22 07 19 00-0192 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation.....	97.36	14.67
<i>For Work In Restricted Working Space, Add</i>	13.34	
22 07 19 00-0193 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation.....	107.34	16.77
<i>For Work In Restricted Working Space, Add</i>	15.24	
22 07 19 00-0194 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation.....	135.16	20.26
<i>For Work In Restricted Working Space, Add</i>	18.42	
22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0196 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	24.87	4.92
<i>For Work In Restricted Working Space, Add</i>	4.48	
22 07 19 00-0197 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	26.05	4.91
<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0198 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	27.48	5.00
<i>For Work In Restricted Working Space, Add</i>	4.55	
22 07 19 00-0199 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	28.76	5.04
<i>For Work In Restricted Working Space, Add</i>	4.58	
22 07 19 00-0200 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	30.07	5.08
<i>For Work In Restricted Working Space, Add</i>	4.61	
22 07 19 00-0201 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	32.34	5.29
<i>For Work In Restricted Working Space, Add</i>	4.81	
22 07 19 00-0202 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	34.52	5.47
<i>For Work In Restricted Working Space, Add</i>	4.97	
22 07 19 00-0203 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	37.69	5.66
<i>For Work In Restricted Working Space, Add</i>	5.15	
22 07 19 00-0204 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	42.48	5.97
<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0205 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	51.05	6.79
<i>For Work In Restricted Working Space, Add</i>	6.17	
22 07 19 00-0206 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	56.88	7.57
<i>For Work In Restricted Working Space, Add</i>	6.88	
22 07 19 00-0207 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	64.84	8.72
<i>For Work In Restricted Working Space, Add</i>	7.93	
22 07 19 00-0208 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	80.74	10.84
<i>For Work In Restricted Working Space, Add</i>	9.86	
22 07 19 00-0209 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	83.82	11.84
<i>For Work In Restricted Working Space, Add</i>	10.76	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0210 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	98.02	15.12
<i>For Work In Restricted Working Space, Add</i>	13.75	
22 07 19 00-0211 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	106.97	15.89
<i>For Work In Restricted Working Space, Add</i>	14.44	
22 07 19 00-0212 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	123.07	18.15
<i>For Work In Restricted Working Space, Add</i>	16.50	
22 07 19 00-0213 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	154.71	21.94
<i>For Work In Restricted Working Space, Add</i>	19.94	
22 07 19 00-0214 3" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0215 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation.....	30.57	5.24
<i>For Work In Restricted Working Space, Add</i>	4.76	
22 07 19 00-0216 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation.....	31.27	5.24
<i>For Work In Restricted Working Space, Add</i>	4.76	
22 07 19 00-0217 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation.....	32.24	5.33
<i>For Work In Restricted Working Space, Add</i>	4.84	
22 07 19 00-0218 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation.....	33.05	5.36
<i>For Work In Restricted Working Space, Add</i>	4.87	
22 07 19 00-0219 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation.....	33.90	5.41
<i>For Work In Restricted Working Space, Add</i>	4.91	
22 07 19 00-0220 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation.....	36.57	5.63
<i>For Work In Restricted Working Space, Add</i>	5.12	
22 07 19 00-0221 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation.....	39.13	5.82
<i>For Work In Restricted Working Space, Add</i>	5.29	
22 07 19 00-0222 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation.....	44.88	6.02
<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0223 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation.....	51.60	6.35
<i>For Work In Restricted Working Space, Add</i>	5.77	
22 07 19 00-0224 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation.....	56.32	7.22
<i>For Work In Restricted Working Space, Add</i>	6.56	
22 07 19 00-0225 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation.....	63.67	8.04
<i>For Work In Restricted Working Space, Add</i>	7.32	
22 07 19 00-0226 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation.....	76.20	9.28
<i>For Work In Restricted Working Space, Add</i>	8.44	
22 07 19 00-0227 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation.....	87.97	11.54
<i>For Work In Restricted Working Space, Add</i>	10.49	
22 07 19 00-0228 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation.....	94.01	12.59
<i>For Work In Restricted Working Space, Add</i>	11.45	
22 07 19 00-0229 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation.....	111.44	16.10
<i>For Work In Restricted Working Space, Add</i>	14.63	
22 07 19 00-0230 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation.....	119.55	16.89
<i>For Work In Restricted Working Space, Add</i>	15.36	
22 07 19 00-0231 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation.....	140.46	19.31
<i>For Work In Restricted Working Space, Add</i>	17.56	
22 07 19 00-0232 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation.....	171.92	23.34
<i>For Work In Restricted Working Space, Add</i>	21.21	
22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0234 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	36.77	6.35
<i>For Work In Restricted Working Space, Add</i>	5.77	
22 07 19 00-0235 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	37.66	6.35
<i>For Work In Restricted Working Space, Add</i>	5.77	
22 07 19 00-0236 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	38.68	6.39
<i>For Work In Restricted Working Space, Add</i>	5.81	
22 07 19 00-0237 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	39.68	6.43
<i>For Work In Restricted Working Space, Add</i>	5.85	
22 07 19 00-0238 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	40.82	6.51
<i>For Work In Restricted Working Space, Add</i>	5.92	
22 07 19 00-0239 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	45.24	6.74
<i>For Work In Restricted Working Space, Add</i>	6.12	
22 07 19 00-0240 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	49.68	6.98
<i>For Work In Restricted Working Space, Add</i>	6.34	
22 07 19 00-0241 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	52.61	7.22
<i>For Work In Restricted Working Space, Add</i>	6.56	
22 07 19 00-0242 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	56.41	7.63
<i>For Work In Restricted Working Space, Add</i>	6.94	
22 07 19 00-0243 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	65.03	8.67
<i>For Work In Restricted Working Space, Add</i>	7.88	
22 07 19 00-0244 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	74.10	9.65
<i>For Work In Restricted Working Space, Add</i>	8.77	
22 07 19 00-0245 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	88.94	11.14
<i>For Work In Restricted Working Space, Add</i>	10.12	
22 07 19 00-0246 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	104.56	13.84
<i>For Work In Restricted Working Space, Add</i>	12.58	
22 07 19 00-0247 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	108.56	15.11
<i>For Work In Restricted Working Space, Add</i>	13.74	
22 07 19 00-0248 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	129.20	19.31
<i>For Work In Restricted Working Space, Add</i>	17.56	
22 07 19 00-0249 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	142.75	20.28
<i>For Work In Restricted Working Space, Add</i>	18.44	
22 07 19 00-0250 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	162.43	23.19
<i>For Work In Restricted Working Space, Add</i>	21.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0251 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	199.84 25.46	28.00
22 07 19 00-0252 4" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0253 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.73 7.09	7.80
22 07 19 00-0254 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.87 7.09	7.80
22 07 19 00-0255 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	47.42 7.22	7.93
22 07 19 00-0256 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.83 7.30	8.03
22 07 19 00-0257 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.75 7.53	8.29
22 07 19 00-0258 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.15 7.76	8.54
22 07 19 00-0259 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.15 7.88	8.67
22 07 19 00-0260 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.18 8.17	8.99
22 07 19 00-0261 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	67.81 9.11	10.02
22 07 19 00-0262 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.10 9.79	10.76
22 07 19 00-0263 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	89.70 10.61	11.67
22 07 19 00-0264 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	102.33 12.61	13.86
22 07 19 00-0265 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	118.74 15.65	17.23
22 07 19 00-0266 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	129.04 17.10	18.81
22 07 19 00-0267 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	151.80 21.87	24.05
22 07 19 00-0268 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	170.13 22.92	25.21
22 07 19 00-0269 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	190.23 26.23	28.84
22 07 19 00-0270 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	242.67 31.68	34.86
22 07 19 00-0271 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19) Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0272 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0273 LF 1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.03 1.46	2.43
22 07 19 00-0274 LF 1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.05 1.46	2.43
22 07 19 00-0275 LF 3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.05 1.46	2.43
22 07 19 00-0276 LF 1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.24 1.51	2.52
22 07 19 00-0277 LF 3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.45 1.57	2.60
22 07 19 00-0278 LF 1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.60 1.59	2.65
22 07 19 00-0279 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.76 1.61	2.69
22 07 19 00-0280 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.83 1.62	2.69
22 07 19 00-0281 LF 2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.98 1.63	2.69
22 07 19 00-0282 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.34 1.68	2.77
22 07 19 00-0283 LF 3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.52 1.70	2.82
22 07 19 00-0284 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0285 LF 1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.54 1.59	2.65
22 07 19 00-0286 LF 1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.56 1.59	2.65
22 07 19 00-0287 LF 3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.61 1.60	2.65
22 07 19 00-0288 LF 1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.68 1.61	2.69
22 07 19 00-0289 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.77 1.63	2.69

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0290 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.98 1.67	2.77
22 07 19 00-0291 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.73 1.56	2.82
22 07 19 00-0292 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.35 1.72	2.86
22 07 19 00-0293 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.58 1.74	2.90
22 07 19 00-0294 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.99 1.79	2.99
22 07 19 00-0295 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.38 1.82	3.03
22 07 19 00-0296 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.74 1.84	3.07
22 07 19 00-0297 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.98 1.87	3.11
22 07 19 00-0298 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0299 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.07 1.72	2.86
22 07 19 00-0300 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.10 1.72	2.86
22 07 19 00-0301 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.18 1.74	2.90
22 07 19 00-0302 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.48 1.79	2.99
22 07 19 00-0303 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.63 1.82	3.03
22 07 19 00-0304 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.98 1.87	3.11
22 07 19 00-0305 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.31 1.89	3.16
22 07 19 00-0306 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.45 1.91	3.16
22 07 19 00-0307 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.00 1.92	3.20
22 07 19 00-0308 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.81 1.97	3.28
22 07 19 00-0309 LF 3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.89 2.00	3.33
22 07 19 00-0310 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.46 2.03	3.37
22 07 19 00-0311 LF 4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.71 2.05	3.41
22 07 19 00-0312 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0313 LF 1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.85 1.89	3.16
22 07 19 00-0314 LF 3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.99 1.92	3.20
22 07 19 00-0315 LF 1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.39 1.97	3.28
22 07 19 00-0316 LF 3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.53 2.00	3.33
22 07 19 00-0317 LF 1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.10 2.05	3.41
22 07 19 00-0318 LF 1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.41 2.10	3.50
22 07 19 00-0319 LF 1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.55 2.12	3.50
22 07 19 00-0320 LF 2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.06 2.15	3.58
22 07 19 00-0321 LF 2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.47 2.20	3.67
22 07 19 00-0322 LF 3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.80 2.23	3.72
22 07 19 00-0323 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)		
Note: No additional LF for fittings required.		
22 07 19 00-0324 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0325 LF 1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.13 1.46	2.43
22 07 19 00-0326 LF 3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.17 1.46	2.43
22 07 19 00-0327 LF 1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.36 1.51	2.52
22 07 19 00-0328 LF 5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.43 1.54	2.56
22 07 19 00-0329 LF 3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.60 1.57	2.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0330 LF 7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.64 1.58	2.60
22 07 19 00-0331 LF 1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.72 1.59	2.65
22 07 19 00-0332 LF 1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.76 1.60	2.65
22 07 19 00-0333 LF 1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.90 1.61	2.69
22 07 19 00-0334 LF 1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.99 1.62	2.69
22 07 19 00-0335 LF 2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.19 1.63	2.69
22 07 19 00-0336 LF 2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.32 1.64	2.73
22 07 19 00-0337 LF 2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.49 1.67	2.77
22 07 19 00-0338 LF 2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.62 1.68	2.77
22 07 19 00-0339 LF 2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.73 1.69	2.82
22 07 19 00-0340 LF 3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.86 1.70	2.82
22 07 19 00-0341 LF 3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.13 1.72	2.86
22 07 19 00-0342 LF 4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.47 1.74	2.90
22 07 19 00-0343 LF 4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.83 1.75	2.92
22 07 19 00-0344 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0345 LF 1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.69 1.59	2.65
22 07 19 00-0346 LF 3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.77 1.60	2.65
22 07 19 00-0347 LF 1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.86 1.61	2.69
22 07 19 00-0348 LF 3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.97 1.63	2.69
22 07 19 00-0349 LF 1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.14 1.67	2.77
22 07 19 00-0350 LF 1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.33 1.69	2.82
22 07 19 00-0351 LF 1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.56 1.72	2.86
22 07 19 00-0352 LF 2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.86 1.74	2.90
22 07 19 00-0353 LF 2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.32 1.79	2.99
22 07 19 00-0354 LF 3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.54 1.82	3.03
22 07 19 00-0355 LF 3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.19 1.84	3.07
22 07 19 00-0356 LF 4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.43 1.87	3.11
22 07 19 00-0357 LF 5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.31 1.89	3.16
22 07 19 00-0358 LF 6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.92 1.94	3.24
22 07 19 00-0359 LF 8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.54 2.00	3.33
22 07 19 00-0360 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0361 LF 1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.33 1.72	2.86
22 07 19 00-0362 LF 3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.46 1.74	2.90
22 07 19 00-0363 LF 1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.76 1.79	2.99
22 07 19 00-0364 LF 3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.03 1.82	3.03
22 07 19 00-0365 LF 1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.33 1.87	3.11
22 07 19 00-0366 LF 1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.80 1.89	3.16
22 07 19 00-0367 LF 1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.08 1.92	3.20
22 07 19 00-0368 LF 2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.38 1.92	3.20
22 07 19 00-0369 LF 2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.21 1.97	3.28
22 07 19 00-0370 LF 3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.65 2.00	3.33

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0371 LF 3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.29	3.37
<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0372 LF 4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.60	3.41
<i>For Work In Restricted Working Space, Add</i>	2.05	
22 07 19 00-0373 LF 5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.99	4.07
<i>For Work In Restricted Working Space, Add</i>	1.04	
22 07 19 00-0374 LF 6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.48	3.50
<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0375 LF 8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.78	3.58
<i>For Work In Restricted Working Space, Add</i>	2.15	
22 07 19 00-0376 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0377 LF 3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.85	3.20
<i>For Work In Restricted Working Space, Add</i>	1.92	
22 07 19 00-0378 LF 1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.11	3.28
<i>For Work In Restricted Working Space, Add</i>	1.97	
22 07 19 00-0379 LF 3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.52	3.33
<i>For Work In Restricted Working Space, Add</i>	2.00	
22 07 19 00-0380 LF 1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.01	3.41
<i>For Work In Restricted Working Space, Add</i>	2.05	
22 07 19 00-0381 LF 1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.46	3.50
<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0382 LF 1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.94	3.50
<i>For Work In Restricted Working Space, Add</i>	2.12	
22 07 19 00-0383 LF 2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.99	3.58
<i>For Work In Restricted Working Space, Add</i>	2.15	
22 07 19 00-0384 LF 2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.32	3.67
<i>For Work In Restricted Working Space, Add</i>	2.20	
22 07 19 00-0385 LF 3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.96	3.72
<i>For Work In Restricted Working Space, Add</i>	2.23	
22 07 19 00-0386 LF 3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.23	3.76
<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0387 LF 4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.95	3.85
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0388 LF 5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.35	3.93
<i>For Work In Restricted Working Space, Add</i>	2.36	
22 07 19 00-0389 LF 6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.79	4.02
<i>For Work In Restricted Working Space, Add</i>	2.41	
22 07 19 00-0390 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)		
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
22 07 19 00-0391 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)		
22 07 19 00-0392 LF 1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.15	2.43
<i>For Work In Restricted Working Space, Add</i>	1.46	
22 07 19 00-0393 LF 1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.17	2.43
<i>For Work In Restricted Working Space, Add</i>	1.46	
22 07 19 00-0394 LF 3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.21	2.43
<i>For Work In Restricted Working Space, Add</i>	1.46	
22 07 19 00-0395 LF 1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.40	2.52
<i>For Work In Restricted Working Space, Add</i>	1.51	
22 07 19 00-0396 LF 3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.64	2.60
<i>For Work In Restricted Working Space, Add</i>	1.57	
22 07 19 00-0397 LF 1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.77	2.65
<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0398 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.99	2.69
<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0399 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.15	2.69
<i>For Work In Restricted Working Space, Add</i>	1.62	
22 07 19 00-0400 LF 2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.27	2.77
<i>For Work In Restricted Working Space, Add</i>	1.63	
22 07 19 00-0401 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.80	2.77
<i>For Work In Restricted Working Space, Add</i>	1.68	
22 07 19 00-0402 LF 3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.27	2.82
<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0403 LF 4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.43	2.90
<i>For Work In Restricted Working Space, Add</i>	1.74	
22 07 19 00-0404 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)		
22 07 19 00-0405 LF 1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.73	2.65
<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0406 LF 1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.76	2.65
<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0407 LF 3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.81	2.65
<i>For Work In Restricted Working Space, Add</i>	1.60	
22 07 19 00-0408 LF 1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.91	2.69
<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0409 LF 3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.05	2.69
<i>For Work In Restricted Working Space, Add</i>	1.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0410 LF 1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.22 1.67	2.77
22 07 19 00-0411 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.48 1.69	2.82
22 07 19 00-0412 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.73 1.72	2.86
22 07 19 00-0413 LF 2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.99 1.74	2.90
22 07 19 00-0414 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.56 1.79	2.99
22 07 19 00-0415 LF 3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.05 1.82	3.03
22 07 19 00-0416 LF 4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.99 1.87	3.11
22 07 19 00-0417 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)		
22 07 19 00-0418 LF 1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.37 1.72	2.86
22 07 19 00-0419 LF 1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.41 1.72	2.86
22 07 19 00-0420 LF 3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.59 1.74	2.90
22 07 19 00-0421 LF 1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.85 1.79	2.99
22 07 19 00-0422 LF 3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.19 1.82	3.03
22 07 19 00-0423 LF 1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.54 1.87	3.11
22 07 19 00-0424 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.07 1.89	3.16
22 07 19 00-0425 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.42 1.91	3.16
22 07 19 00-0426 LF 2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.82 1.92	3.20
22 07 19 00-0427 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.61 1.97	3.28
22 07 19 00-0428 LF 3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.31 2.00	3.33
22 07 19 00-0429 LF 4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.66 2.05	3.41
22 07 19 00-0430 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)		
22 07 19 00-0431 LF 1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.48 1.89	3.16
22 07 19 00-0432 LF 1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.51 1.89	3.16
22 07 19 00-0433 LF 3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.63 1.92	3.20
22 07 19 00-0434 LF 1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.88 1.97	3.28
22 07 19 00-0435 LF 3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.36 2.00	3.33
22 07 19 00-0436 LF 1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.80 2.05	3.41
22 07 19 00-0437 LF 1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.24 2.10	3.50
22 07 19 00-0438 LF 1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.64 2.12	3.50
22 07 19 00-0439 LF 2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.52 2.15	3.58
22 07 19 00-0440 LF 2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.72 2.20	3.67
22 07 19 00-0441 LF 3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.56 2.23	3.72
22 07 19 00-0442 Flexible Elastomeric Unicellular Insulation (22 07 19) Note: 1/2" thick, for refrigeration piping.		
22 07 19 00-0443 LF 1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.80 1.61 -0.48 0.85 1.64	2.69
22 07 19 00-0444 LF 3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.92 1.63 -0.50 0.91 1.75	2.69

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0445 LF 1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	6.08	2.77
For Work In Restricted Working Space, Add	1.67	
For 3/8" Thick Covering, Deduct	-0.52	
For 3/4" Thick Covering, Add	0.95	
For 1" Thick Covering, Add	1.83	
22 07 19 00-0446 LF 1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.30	2.82
For Work In Restricted Working Space, Add	1.69	
For 3/8" Thick Covering, Deduct	-0.56	
For 3/4" Thick Covering, Add	1.06	
For 1" Thick Covering, Add	2.02	
22 07 19 00-0447 LF 1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.51	2.86
For Work In Restricted Working Space, Add	1.72	
For 3/8" Thick Covering, Deduct	-0.60	
For 3/4" Thick Covering, Add	1.16	
For 1" Thick Covering, Add	2.21	
22 07 19 00-0448 LF 2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	6.73	2.90
For Work In Restricted Working Space, Add	1.74	
For 3/8" Thick Covering, Deduct	-0.64	
For 3/4" Thick Covering, Add	1.28	
For 1" Thick Covering, Add	2.42	
22 07 19 00-0449 LF 2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.23	2.99
For Work In Restricted Working Space, Add	1.79	
For 3/8" Thick Covering, Deduct	-0.73	
For 3/4" Thick Covering, Add	1.54	
For 1" Thick Covering, Add	2.90	
22 07 19 00-0450 LF 3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	7.63	3.03
For Work In Restricted Working Space, Add	1.82	
For 3/8" Thick Covering, Deduct	-0.82	
For 3/4" Thick Covering, Add	1.78	
For 1" Thick Covering, Add	3.33	
22 07 19 00-0451 LF 3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.01	3.07
For Work In Restricted Working Space, Add	1.84	
For 3/8" Thick Covering, Deduct	-0.90	
For 3/4" Thick Covering, Add	2.02	
For 1" Thick Covering, Add	3.75	
22 07 19 00-0452 LF 4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	8.40	3.11
For Work In Restricted Working Space, Add	1.87	
For 3/8" Thick Covering, Deduct	-0.98	
For 3/4" Thick Covering, Add	2.25	
For 1" Thick Covering, Add	4.18	
22 07 19 00-0453 Insulation Foam Rubber <small>(22 07 19)</small>		
22 07 19 00-0454 Covering 4x6 Sheet <small>(22 07 19 00-0453)</small>		
22 07 19 00-0455 SF 1" Thick Foam Rubber Sheet Insulation.....	14.94	5.77
22 07 19 00-0456 Insulation Protective Jacketing <small>(22 07 19)</small>		
Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0457 Metal Insulation Protective Jacketing With Bands <small>(22 07 19 00-0456)</small>		
22 07 19 00-0458 SF 0.006" Aluminum Insulation Jacket With Bands Fire Retardant	12.10	5.21
22 07 19 00-0459 SF 0.010" Aluminum Insulation Jacket With Bands Fire Retardant	12.27	5.21
22 07 19 00-0460 SF 0.016" Aluminum Insulation Jacket With Bands Fire Retardant	12.42	5.21
22 07 19 00-0461 SF 0.020" Aluminum Insulation Jacket With Bands Fire Retardant	12.57	5.21
22 07 19 00-0462 SF 0.024" Aluminum Insulation Jacket With Bands Fire Retardant	12.70	5.21
22 07 19 00-0463 SF 0.010" Stainless Steel Insulation Jacket With Bands Fire Retardant	15.45	6.10
22 07 19 00-0464 Polyvinyl Chloride (PVC) Insulation Protective Jacketing <small>(22 07 19 00-0456)</small>		
22 07 19 00-0465 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing <small>(22 07 19 00-0464)</small>		
22 07 19 00-0466 LF 1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.04	1.22
22 07 19 00-0467 LF 2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.36	1.26
22 07 19 00-0468 LF 2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.59	1.30
22 07 19 00-0469 LF 3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.90	1.38
22 07 19 00-0470 LF 3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.21	1.42
22 07 19 00-0471 LF 4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.51	1.46
22 07 19 00-0472 LF 4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.83	1.54
22 07 19 00-0473 LF 5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.22	1.62
22 07 19 00-0474 LF 5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.62	1.71
22 07 19 00-0475 LF 6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.09	1.79
22 07 19 00-0476 LF 6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.32	1.87
22 07 19 00-0477 LF 7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.63	1.91
22 07 19 00-0478 LF 7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.01	1.99
22 07 19 00-0479 LF 8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.16	2.01
22 07 19 00-0480 LF 8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.40	2.05
22 07 19 00-0481 LF 9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.63	2.09
22 07 19 00-0482 LF 10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.10	2.03
22 07 19 00-0483 LF 11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.63	2.28
22 07 19 00-0484 LF 12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.18	2.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0485	30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing <small>(22 07 19 00-0464)</small>		
22 07 19 00-0486	LF 2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.51	1.26
22 07 19 00-0487	LF 2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.78	1.30
22 07 19 00-0488	LF 3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.14	1.36
22 07 19 00-0489	LF 3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.47	1.42
22 07 19 00-0490	LF 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.81	1.48
22 07 19 00-0491	LF 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.16	1.54
22 07 19 00-0492	LF 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.58	1.62
22 07 19 00-0493	LF 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.01	1.71
22 07 19 00-0494	LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.52	1.83
22 07 19 00-0495	LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.78	1.85
22 07 19 00-0496	LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.12	1.91
22 07 19 00-0497	LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.54	1.99
22 07 19 00-0498	LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.73	2.01
22 07 19 00-0499	LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.00	2.05
22 07 19 00-0500	LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.27	2.09
22 07 19 00-0501	LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.79	2.17
22 07 19 00-0502	LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.39	2.28
22 07 19 00-0503	LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.00	2.38

22 07 19 00-0504	Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings <small>(22 07 19 00-0464)</small>		
22 07 19 00-0505	EA 1-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	10.15	2.44
22 07 19 00-0506	EA 2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	10.57	2.50
22 07 19 00-0507	EA 2-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	11.02	2.58
22 07 19 00-0508	EA 3" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	11.60	2.70
22 07 19 00-0509	EA 3-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	12.40	2.64
22 07 19 00-0510	EA 4" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	13.07	2.95
22 07 19 00-0511	EA 4-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	13.89	3.09
22 07 19 00-0512	EA 5" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	14.81	3.25
22 07 19 00-0513	EA 5-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	16.05	3.41
22 07 19 00-0514	EA 6" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	18.53	3.61
22 07 19 00-0515	EA 6-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	18.93	3.74
22 07 19 00-0516	EA 7" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	20.65	3.82
22 07 19 00-0517	EA 7-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	21.24	3.93
22 07 19 00-0518	EA 8" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	22.45	4.01
22 07 19 00-0519	EA 8-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	23.53	4.07
22 07 19 00-0520	EA 9" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	26.60	4.23
22 07 19 00-0521	EA 10" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	28.38	4.39
22 07 19 00-0522	EA 11" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	30.65	4.57
22 07 19 00-0523	EA 12" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	35.06	4.77
22 07 19 00-0524	EA 1-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	14.46	3.39
22 07 19 00-0525	EA 2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	15.00	3.49
22 07 19 00-0526	EA 2-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	16.00	3.69
22 07 19 00-0527	EA 3" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	17.28	3.97
22 07 19 00-0528	EA 3-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	19.25	4.29
22 07 19 00-0529	EA 4" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	20.00	4.45
22 07 19 00-0530	EA 4-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	21.36	4.65
22 07 19 00-0531	EA 5" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	22.72	4.85
22 07 19 00-0532	EA 5-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	25.03	5.16
22 07 19 00-0533	EA 6" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	27.46	5.43
22 07 19 00-0534	EA 6-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	29.12	5.51
22 07 19 00-0535	EA 7" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	34.37	5.71
22 07 19 00-0536	EA 7-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	36.65	6.01
22 07 19 00-0537	EA 8" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	38.56	6.14
22 07 19 00-0538	EA 8-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	40.41	6.26
22 07 19 00-0539	EA 9" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	42.41	6.42
22 07 19 00-0540	EA 10" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	45.39	6.77
22 07 19 00-0541	EA 11" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	47.98	6.91
22 07 19 00-0542	EA 12" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	50.64	7.07

22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution (22 10)

22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0002 LF 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	12.51	2.99
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.28	
For ASTM 120, Deduct	-0.39	
For Work In Restricted Working Space, Add	2.98	
22 11 16 00-0003 LF 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	13.49	3.21
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.59	
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	3.15	
22 11 16 00-0004 LF 1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	14.42	3.52
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.84	
For ASTM 120, Deduct	-0.48	
For Work In Restricted Working Space, Add	3.37	
22 11 16 00-0005 LF 1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	16.03	3.67
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.44	
For ASTM 120, Deduct	-0.62	
For Work In Restricted Working Space, Add	3.58	
22 11 16 00-0006 LF 1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	16.92	4.34
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.73	
For ASTM 120, Deduct	-0.67	
For Work In Restricted Working Space, Add	3.73	
22 11 16 00-0007 LF 2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	19.91	5.24
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.71	
For ASTM 120, Deduct	-0.86	
For Work In Restricted Working Space, Add	4.25	
22 11 16 00-0008 LF 2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	26.01	6.21
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	8.03	
For ASTM 120, Deduct	-1.41	
For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0009 LF 3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	32.38	8.31
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	10.16	
For ASTM 120, Deduct	-1.84	
For Work In Restricted Working Space, Add	6.03	
22 11 16 00-0010 LF 4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	40.13	9.65
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	13.30	
For ASTM 120, Deduct	-2.64	
For Work In Restricted Working Space, Add	6.76	
22 11 16 00-0011 LF 5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	51.05	12.34
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	17.36	
For ASTM 120, Deduct	-3.57	
For Work In Restricted Working Space, Add	8.17	
22 11 16 00-0012 LF 6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	62.36	14.59
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	21.90	
For ASTM 120, Deduct	-4.71	
For Work In Restricted Working Space, Add	9.28	
22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings ^(22 11 16)		
Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014 Threaded And Coupled, Galvanized Steel Piping ^(22 11 16 00-0013)		
Note: ASTM A-53. Includes coupling.		
22 11 16 00-0015 LF 1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	6.22	2.99
For Schedule 80 Pipe, Add	1.26	
For ASTM 120, Deduct	-0.25	
For Work In Restricted Working Space, Add	1.36	
22 11 16 00-0016 LF 3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	6.89	3.21
For Schedule 80 Pipe, Add	1.48	
For ASTM 120, Deduct	-0.31	
For Work In Restricted Working Space, Add	1.45	
22 11 16 00-0017 LF 1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	7.47	3.52
For Schedule 80 Pipe, Add	1.59	
For ASTM 120, Deduct	-0.33	
For Work In Restricted Working Space, Add	1.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0018	LF		1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	8.62	3.67
			<i>For Schedule 80 Pipe, Add</i>	2.03	
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Work In Restricted Working Space, Add</i>	1.66	
22 11 16 00-0019	LF		1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	10.10	4.34
			<i>For Schedule 80 Pipe, Add</i>	2.37	
			<i>For ASTM 120, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	1.95	
22 11 16 00-0020	LF		2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	12.70	5.24
			<i>For Schedule 80 Pipe, Add</i>	3.10	
			<i>For ASTM 120, Deduct</i>	-0.72	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
22 11 16 00-0021	LF		2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	17.02	6.21
			<i>For Schedule 80 Pipe, Add</i>	4.61	
			<i>For ASTM 120, Deduct</i>	-1.15	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0022	LF		3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	22.48	8.31
			<i>For Schedule 80 Pipe, Add</i>	6.05	
			<i>For ASTM 120, Deduct</i>	-1.50	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0023	LF		4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	28.75	9.65
			<i>For Schedule 80 Pipe, Add</i>	8.29	
			<i>For ASTM 120, Deduct</i>	-2.14	
			<i>For Work In Restricted Working Space, Add</i>	4.35	
22 11 16 00-0024	LF		5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	37.77	12.34
			<i>For Schedule 80 Pipe, Add</i>	11.11	
			<i>For ASTM 120, Deduct</i>	-2.90	
			<i>For Work In Restricted Working Space, Add</i>	5.54	
22 11 16 00-0025	LF		6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	46.89	14.59
			<i>For Schedule 80 Pipe, Add</i>	14.20	
			<i>For ASTM 120, Deduct</i>	-3.76	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
22 11 16 00-0026			Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0027	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	21.97	13.32
			<i>For 225 LB Rating, Add</i>	4.14	
			<i>For 300 LB Rating, Add</i>	8.07	
			<i>For ASTM 120, Deduct</i>	-0.30	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0028	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	24.74	14.89
			<i>For 225 LB Rating, Add</i>	4.92	
			<i>For 300 LB Rating, Add</i>	9.50	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	6.70	
22 11 16 00-0029	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	29.56	16.61
			<i>For 225 LB Rating, Add</i>	9.45	
			<i>For 300 LB Rating, Add</i>	17.17	
			<i>For ASTM 120, Deduct</i>	-0.69	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0030	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	35.44	18.86
			<i>For 225 LB Rating, Add</i>	14.76	
			<i>For 300 LB Rating, Add</i>	26.17	
			<i>For ASTM 120, Deduct</i>	-1.08	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0031	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	41.32	21.25
			<i>For 225 LB Rating, Add</i>	19.41	
			<i>For 300 LB Rating, Add</i>	34.11	
			<i>For ASTM 120, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 11 16 00-0032	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	54.09	27.02
			<i>For 225 LB Rating, Add</i>	27.96	
			<i>For 300 LB Rating, Add</i>	48.80	
			<i>For ASTM 120, Deduct</i>	-2.05	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 11 16 00-0033	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	99.33	39.96
			<i>For 225 LB Rating, Add</i>	80.89	
			<i>For 300 LB Rating, Add</i>	137.76	
			<i>For ASTM 120, Deduct</i>	-5.92	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
22 11 16 00-0034	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	145.07	52.54
			<i>For 225 LB Rating, Add</i>	135.89	
			<i>For 300 LB Rating, Add</i>	230.11	
			<i>For ASTM 120, Deduct</i>	-9.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 11 16 00-0035	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	199.42	56.45
			<i>For 225 LB Rating, Add</i>	235.28	
			<i>For 300 LB Rating, Add</i>	395.30	
			<i>For ASTM 120, Deduct</i>	-17.22	
			<i>For Work In Restricted Working Space, Add</i>	25.40	
22 11 16 00-0036	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	468.18	58.91
			<i>For 225 LB Rating, Add</i>	778.69	
			<i>For 300 LB Rating, Add</i>	1,296.79	
			<i>For ASTM 120, Deduct</i>	-56.98	
			<i>For Work In Restricted Working Space, Add</i>	26.50	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0037	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	469.22 772.60 1,286.93 -56.53 27.70	61.60
22 11 16 00-0038			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0039	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.16 15.34 -0.63 4.78	10.63
22 11 16 00-0040	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.66 19.68 -0.81 6.07	13.47
22 11 16 00-0041	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.66 19.68 -0.81 6.07	13.47
22 11 16 00-0042	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.33 32.60 -1.36 8.47	18.86
22 11 16 00-0043	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.53 36.68 -1.54 8.47	18.86
22 11 16 00-0044	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.53 36.68 -1.54 8.47	18.86
22 11 16 00-0045	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.04 46.76 -1.98 9.56	21.25
22 11 16 00-0046	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.04 46.76 -1.98 9.56	21.25
22 11 16 00-0047	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.04 46.76 -1.98 9.56	21.25
22 11 16 00-0048	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.42 56.73 -2.40 12.14	27.02
22 11 16 00-0049	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	58.69 64.44 -2.74 12.14	27.02
22 11 16 00-0050	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	58.69 64.44 -2.74 12.14	27.02
22 11 16 00-0051	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	58.69 64.44 -2.74 12.14	27.02
22 11 16 00-0052	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	111.95 180.66 -7.81 17.96	39.96
22 11 16 00-0053	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	117.13 198.28 -8.59 17.96	39.96
22 11 16 00-0054	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	160.91 283.97 -12.32 23.63	52.54
22 11 16 00-0055	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	160.91 283.97 -12.32 23.63	52.54
22 11 16 00-0056	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	243.86 546.39 -23.88 25.40	56.45
22 11 16 00-0057			Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0058	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	23.11	13.32
			<i>For 225 LB Rating, Add</i>	6.48	
			<i>For 300 LB Rating, Add</i>	11.94	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0059	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	26.82	14.89
			<i>For 225 LB Rating, Add</i>	9.18	
			<i>For 300 LB Rating, Add</i>	16.57	
			<i>For ASTM 120, Deduct</i>	-0.67	
			<i>For Work In Restricted Working Space, Add</i>	6.70	
22 11 16 00-0060	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	30.06	16.61
			<i>For 225 LB Rating, Add</i>	10.48	
			<i>For 300 LB Rating, Add</i>	18.87	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0061	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	37.65	18.86
			<i>For 225 LB Rating, Add</i>	19.29	
			<i>For 300 LB Rating, Add</i>	33.69	
			<i>For ASTM 120, Deduct</i>	-1.41	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0062	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	43.09	21.25
			<i>For 225 LB Rating, Add</i>	23.04	
			<i>For 300 LB Rating, Add</i>	40.13	
			<i>For ASTM 120, Deduct</i>	-1.69	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 11 16 00-0063	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	54.97	27.02
			<i>For 225 LB Rating, Add</i>	29.77	
			<i>For 300 LB Rating, Add</i>	51.80	
			<i>For ASTM 120, Deduct</i>	-2.18	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 11 16 00-0064	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	113.72	39.96
			<i>For 225 LB Rating, Add</i>	110.39	
			<i>For 300 LB Rating, Add</i>	186.68	
			<i>For ASTM 120, Deduct</i>	-8.08	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
22 11 16 00-0065	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	161.60	52.54
			<i>For 225 LB Rating, Add</i>	169.78	
			<i>For 300 LB Rating, Add</i>	286.31	
			<i>For ASTM 120, Deduct</i>	-12.42	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 11 16 00-0066	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	215.89	56.45
			<i>For 225 LB Rating, Add</i>	269.04	
			<i>For 300 LB Rating, Add</i>	451.30	
			<i>For ASTM 120, Deduct</i>	-19.69	
			<i>For Work In Restricted Working Space, Add</i>	25.40	
22 11 16 00-0067	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	518.30	58.91
			<i>For 225 LB Rating, Add</i>	881.44	
			<i>For 300 LB Rating, Add</i>	1,467.20	
			<i>For ASTM 120, Deduct</i>	-64.50	
			<i>For Work In Restricted Working Space, Add</i>	26.50	
22 11 16 00-0068	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	551.10	61.60
			<i>For 225 LB Rating, Add</i>	940.46	
			<i>For 300 LB Rating, Add</i>	1,565.32	
			<i>For ASTM 120, Deduct</i>	-68.81	
			<i>For Work In Restricted Working Space, Add</i>	27.70	
22 11 16 00-0069			Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070	EA		1/2", 150 LB, Galvanized Malleable Iron Tee	27.41	16.61
			<i>For 225 LB Rating, Add</i>	5.04	
			<i>For 300 LB Rating, Add</i>	9.86	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0071	EA		3/4", 150 LB, Galvanized Malleable Iron Tee	33.02	19.23
			<i>For 225 LB Rating, Add</i>	8.67	
			<i>For 300 LB Rating, Add</i>	16.11	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	8.64	
22 11 16 00-0072	EA		1", 150 LB, Galvanized Malleable Iron Tee	40.96	22.67
			<i>For 225 LB Rating, Add</i>	14.23	
			<i>For 300 LB Rating, Add</i>	25.64	
			<i>For ASTM 120, Deduct</i>	-1.04	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
22 11 16 00-0073	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee	51.37	27.02
			<i>For 225 LB Rating, Add</i>	22.39	
			<i>For 300 LB Rating, Add</i>	39.56	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 11 16 00-0074	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee	61.92	32.18
			<i>For 225 LB Rating, Add</i>	27.96	
			<i>For 300 LB Rating, Add</i>	49.27	
			<i>For ASTM 120, Deduct</i>	-2.05	
			<i>For Work In Restricted Working Space, Add</i>	14.48	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0075	EA	2"	150 LB, Galvanized Malleable Iron Tee.....	79.57	39.96
			<i>For 225 LB Rating, Add</i>	40.39	
			<i>For 300 LB Rating, Add</i>	70.57	
			<i>For ASTM 120, Deduct</i>	-2.96	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
22 11 16 00-0076	EA	2-1/2"	150 LB, Galvanized Malleable Iron Tee.....	126.24	43.40
			<i>For 225 LB Rating, Add</i>	125.40	
			<i>For 300 LB Rating, Add</i>	211.88	
			<i>For ASTM 120, Deduct</i>	-9.18	
			<i>For Work In Restricted Working Space, Add</i>	19.52	
22 11 16 00-0077	EA	3"	150 LB, Galvanized Malleable Iron Tee.....	150.49	52.54
			<i>For 225 LB Rating, Add</i>	147.01	
			<i>For 300 LB Rating, Add</i>	248.54	
			<i>For ASTM 120, Deduct</i>	-10.76	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 11 16 00-0078	EA	4"	150 LB, Galvanized Malleable Iron Tee.....	276.12	71.32
			<i>For 225 LB Rating, Add</i>	346.84	
			<i>For 300 LB Rating, Add</i>	581.66	
			<i>For ASTM 120, Deduct</i>	-25.38	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
22 11 16 00-0079	EA	5"	150 LB, Galvanized Malleable Iron Tee.....	556.25	84.67
			<i>For 225 LB Rating, Add</i>	880.02	
			<i>For 300 LB Rating, Add</i>	1,467.17	
			<i>For ASTM 120, Deduct</i>	-64.39	
			<i>For Work In Restricted Working Space, Add</i>	38.09	
22 11 16 00-0080	EA	6"	150 LB, Galvanized Malleable Iron Tee.....	621.54	96.79
			<i>For 225 LB Rating, Add</i>	976.68	
			<i>For 300 LB Rating, Add</i>	1,628.57	
			<i>For ASTM 120, Deduct</i>	-71.46	
			<i>For Work In Restricted Working Space, Add</i>	43.53	
22 11 16 00-0081			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082	EA	1/2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	30.19	16.61
			<i>For 225 LB Rating, Add</i>	10.74	
			<i>For 300 LB Rating, Add</i>	19.31	
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0083	EA	3/4"	150 LB, Galvanized Malleable Iron Reducing Tee.....	34.66	19.23
			<i>For 225 LB Rating, Add</i>	12.03	
			<i>For 300 LB Rating, Add</i>	21.69	
			<i>For ASTM 120, Deduct</i>	-0.88	
			<i>For Work In Restricted Working Space, Add</i>	8.64	
22 11 16 00-0084	EA	1"	150 LB, Galvanized Malleable Iron Reducing Tee.....	42.23	22.67
			<i>For 225 LB Rating, Add</i>	16.83	
			<i>For 300 LB Rating, Add</i>	29.96	
			<i>For ASTM 120, Deduct</i>	-1.23	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
22 11 16 00-0085	EA	1-1/4"	150 LB, Galvanized Malleable Iron Reducing Tee.....	53.08	27.02
			<i>For 225 LB Rating, Add</i>	25.89	
			<i>For 300 LB Rating, Add</i>	45.37	
			<i>For ASTM 120, Deduct</i>	-1.89	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 11 16 00-0086	EA	1-1/2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	64.00	32.18
			<i>For 225 LB Rating, Add</i>	32.23	
			<i>For 300 LB Rating, Add</i>	56.34	
			<i>For ASTM 120, Deduct</i>	-2.36	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 11 16 00-0087	EA	2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	85.31	39.96
			<i>For 225 LB Rating, Add</i>	52.15	
			<i>For 300 LB Rating, Add</i>	90.09	
			<i>For ASTM 120, Deduct</i>	-3.82	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
22 11 16 00-0088	EA	2-1/2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	134.34	43.55
			<i>For 225 LB Rating, Add</i>	141.57	
			<i>For 300 LB Rating, Add</i>	238.72	
			<i>For ASTM 120, Deduct</i>	-10.36	
			<i>For Work In Restricted Working Space, Add</i>	19.58	
22 11 16 00-0089	EA	3"	150 LB, Galvanized Malleable Iron Reducing Tee.....	173.77	53.36
			<i>For 225 LB Rating, Add</i>	192.19	
			<i>For 300 LB Rating, Add</i>	323.55	
			<i>For ASTM 120, Deduct</i>	-14.06	
			<i>For Work In Restricted Working Space, Add</i>	24.01	
22 11 16 00-0090	EA	4"	150 LB, Galvanized Malleable Iron Reducing Tee.....	294.11	71.32
			<i>For 225 LB Rating, Add</i>	383.72	
			<i>For 300 LB Rating, Add</i>	642.83	
			<i>For ASTM 120, Deduct</i>	-28.08	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
22 11 16 00-0091	EA	5"	150 LB, Galvanized Malleable Iron Reducing Tee.....	221.86	84.67
			<i>For 225 LB Rating, Add</i>	194.52	
			<i>For 300 LB Rating, Add</i>	330.24	
			<i>For ASTM 120, Deduct</i>	-14.23	
			<i>For Work In Restricted Working Space, Add</i>	38.09	



	Plumbing 22
	Plumbing Piping 22 10
	Facility Water Distribution 22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0092	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	657.34 1,050.07 1,750.29 -76.83 43.53	96.79
22 11 16 00-0093 Galvanized Malleable Iron Couplings <small>(22 11 16 00-0013)</small>					
22 11 16 00-0094	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.85 5.95 11.06 -0.44 5.99	13.32
22 11 16 00-0095	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.69 6.87 12.73 -0.50 6.70	14.89
22 11 16 00-0096	EA		1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.51 11.40 20.40 -0.83 7.49	16.61
22 11 16 00-0097	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	35.75 15.40 27.23 -1.13 8.47	18.86
22 11 16 00-0098	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.56 17.86 31.53 -1.31 9.56	21.25
22 11 16 00-0099	EA		2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.20 26.14 45.78 -1.91 12.14	27.02
22 11 16 00-0100	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	95.98 74.03 126.37 -5.42 17.96	39.96
22 11 16 00-0101	EA		3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	127.96 100.82 171.94 -7.38 23.63	52.54
22 11 16 00-0102	EA		4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	180.79 197.09 331.96 -14.42 25.40	56.45
22 11 16 00-0103	EA		5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	267.17 366.62 613.36 -26.83 26.50	58.91
22 11 16 00-0104	EA		6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	312.41 451.14 753.78 -33.01 27.70	61.60
22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings <small>(22 11 16 00-0013)</small>					
22 11 16 00-0106	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.85 5.95 11.06 -0.44 5.99	13.32
22 11 16 00-0107	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.75 6.99 12.93 -0.51 6.70	14.89
22 11 16 00-0108	EA		1", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.25 10.87 19.52 -0.80 7.49	16.61
22 11 16 00-0109	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	35.63 15.15 26.82 -1.11 8.47	18.86

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0110 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	40.69	21.25
For 225 LB Rating, Add	18.12	
For 300 LB Rating, Add	31.97	
For ASTM 120, Deduct	-1.33	
For Work In Restricted Working Space, Add	9.56	
22 11 16 00-0111 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	53.20	27.02
For 225 LB Rating, Add	26.14	
For 300 LB Rating, Add	45.78	
For ASTM 120, Deduct	-1.91	
For Work In Restricted Working Space, Add	12.14	
22 11 16 00-0112 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	97.12	39.96
For 225 LB Rating, Add	76.36	
For 300 LB Rating, Add	130.24	
For ASTM 120, Deduct	-5.59	
For Work In Restricted Working Space, Add	17.96	
22 11 16 00-0113 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	128.34	52.54
For 225 LB Rating, Add	101.60	
For 300 LB Rating, Add	173.23	
For ASTM 120, Deduct	-7.43	
For Work In Restricted Working Space, Add	23.63	
22 11 16 00-0114 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	191.84	56.45
For 225 LB Rating, Add	219.74	
For 300 LB Rating, Add	369.53	
For ASTM 120, Deduct	-16.08	
For Work In Restricted Working Space, Add	25.40	
22 11 16 00-0115 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	310.54	58.91
For 225 LB Rating, Add	455.53	
For 300 LB Rating, Add	760.81	
For ASTM 120, Deduct	-33.33	
For Work In Restricted Working Space, Add	26.50	
22 11 16 00-0116 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	354.96	61.60
For 225 LB Rating, Add	538.37	
For 300 LB Rating, Add	898.45	
For ASTM 120, Deduct	-39.39	
For Work In Restricted Working Space, Add	27.70	
22 11 16 00-0117 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0118 EA 1/2", 150 LB, Galvanized Malleable Iron Cap.....	11.25	6.21
For 225 LB Rating, Add	3.87	
For 300 LB Rating, Add	6.99	
For ASTM 120, Deduct	-0.28	
For Work In Restricted Working Space, Add	2.81	
22 11 16 00-0119 EA 3/4", 150 LB, Galvanized Malleable Iron Cap.....	13.07	6.66
For 225 LB Rating, Add	6.33	
For 300 LB Rating, Add	11.10	
For ASTM 120, Deduct	-0.46	
For Work In Restricted Working Space, Add	2.99	
22 11 16 00-0120 EA 1", 150 LB, Galvanized Malleable Iron Cap.....	14.98	7.71
For 225 LB Rating, Add	7.11	
For 300 LB Rating, Add	12.49	
For ASTM 120, Deduct	-0.52	
For Work In Restricted Working Space, Add	3.45	
22 11 16 00-0121 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap.....	17.06	8.08
For 225 LB Rating, Add	10.23	
For 300 LB Rating, Add	17.69	
For ASTM 120, Deduct	-0.75	
For Work In Restricted Working Space, Add	3.62	
22 11 16 00-0122 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap.....	18.45	8.08
For 225 LB Rating, Add	13.08	
For 300 LB Rating, Add	22.42	
For ASTM 120, Deduct	-0.96	
For Work In Restricted Working Space, Add	3.62	
22 11 16 00-0123 EA 2", 150 LB, Galvanized Malleable Iron Cap.....	24.12	10.70
For 225 LB Rating, Add	16.44	
For 300 LB Rating, Add	28.23	
For ASTM 120, Deduct	-1.20	
For Work In Restricted Working Space, Add	4.83	
22 11 16 00-0124 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap.....	44.19	13.32
For 225 LB Rating, Add	49.69	
For 300 LB Rating, Add	83.61	
For ASTM 120, Deduct	-3.64	
For Work In Restricted Working Space, Add	5.99	
22 11 16 00-0125 EA 3", 150 LB, Galvanized Malleable Iron Cap.....	52.48	16.09
For 225 LB Rating, Add	58.10	
For 300 LB Rating, Add	97.80	
For ASTM 120, Deduct	-4.25	
For Work In Restricted Working Space, Add	7.24	
22 11 16 00-0126 EA 4", 150 LB, Galvanized Malleable Iron Cap.....	90.63	19.38
For 225 LB Rating, Add	126.30	
For 300 LB Rating, Add	211.22	
For ASTM 120, Deduct	-9.24	
For Work In Restricted Working Space, Add	8.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0127 EA 5", 150 LB, Galvanized Malleable Iron Cap	158.81	24.23
For 225 LB Rating, Add	251.19	
For 300 LB Rating, Add	418.78	
For ASTM 120, Deduct	-18.38	
For Work In Restricted Working Space, Add	10.88	
22 11 16 00-0128 EA 6", 150 LB, Galvanized Malleable Iron Cap	255.47	28.80
For 225 LB Rating, Add	435.09	
For 300 LB Rating, Add	724.21	
For ASTM 120, Deduct	-31.84	
For Work In Restricted Working Space, Add	12.97	
22 11 16 00-0129 Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0130 EA 1/2", 150 LB, Galvanized Malleable Iron Union	33.22	16.61
For 225 LB Rating, Add	16.95	
For 300 LB Rating, Add	29.62	
For Work In Restricted Working Space, Add	7.49	
22 11 16 00-0131 EA 3/4", 150 LB, Galvanized Malleable Iron Union	37.25	19.23
For 225 LB Rating, Add	17.34	
For 300 LB Rating, Add	30.49	
For Work In Restricted Working Space, Add	8.64	
22 11 16 00-0132 EA 1", 150 LB, Galvanized Malleable Iron Union	46.46	22.67
For 225 LB Rating, Add	25.50	
For 300 LB Rating, Add	44.34	
For Work In Restricted Working Space, Add	10.21	
22 11 16 00-0133 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union	58.44	27.02
For 225 LB Rating, Add	36.88	
For 300 LB Rating, Add	63.59	
For Work In Restricted Working Space, Add	12.14	
22 11 16 00-0134 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union	70.56	32.18
For 225 LB Rating, Add	45.67	
For 300 LB Rating, Add	78.65	
For Work In Restricted Working Space, Add	14.48	
22 11 16 00-0135 EA 2", 150 LB, Galvanized Malleable Iron Union	85.44	39.96
For 225 LB Rating, Add	52.42	
For 300 LB Rating, Add	90.53	
For Work In Restricted Working Space, Add	17.96	
22 11 16 00-0136 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union	139.25	43.40
For 225 LB Rating, Add	152.07	
For 300 LB Rating, Add	256.12	
For Work In Restricted Working Space, Add	19.52	
22 11 16 00-0137 EA 3", 150 LB, Galvanized Malleable Iron Union	200.81	52.54
For 225 LB Rating, Add	250.16	
For 300 LB Rating, Add	419.63	
For Work In Restricted Working Space, Add	23.63	
22 11 16 00-0138 Galvanized Steel Nipples (22 11 16 00-0013)		
Note: ASTM A-53		
22 11 16 00-0139 EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple	11.38	7.11
For Schedule 80 Nipples, Add	0.79	
For 300 LB Rating, Add	2.99	
For ASTM 120, Deduct	-0.10	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0140 EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple	11.25	7.11
For Schedule 80 Nipples, Add	0.64	
For 300 LB Rating, Add	2.55	
For ASTM 120, Deduct	-0.08	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0141 EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple	11.37	7.11
For Schedule 80 Nipples, Add	0.78	
For 300 LB Rating, Add	2.95	
For ASTM 120, Deduct	-0.10	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0142 EA 1" x Close, Schedule 40 Galvanized Steel Nipple	12.44	7.71
For Schedule 80 Nipples, Add	1.06	
For 300 LB Rating, Add	3.85	
For ASTM 120, Deduct	-0.14	
For Work In Restricted Working Space, Add	3.45	
22 11 16 00-0143 EA 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	13.72	8.31
For Schedule 80 Nipples, Add	1.43	
For 300 LB Rating, Add	5.00	
For ASTM 120, Deduct	-0.19	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0144 EA 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	13.93	8.31
For Schedule 80 Nipples, Add	1.66	
For 300 LB Rating, Add	5.71	
For ASTM 120, Deduct	-0.22	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0145 EA 2" x Close, Schedule 40 Galvanized Steel Nipple	18.16	10.70
For Schedule 80 Nipples, Add	2.35	
For 300 LB Rating, Add	7.97	
For ASTM 120, Deduct	-0.31	
For Work In Restricted Working Space, Add	4.83	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0146	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	26.09	13.32
			<i>For Schedule 80 Nipples, Add</i>	7.00	
			<i>For 300 LB Rating, Add</i>	22.07	
			<i>For ASTM 120, Deduct</i>	-0.92	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0147	EA		3" x Close, Schedule 40 Galvanized Steel Nipple.....	31.50	16.09
			<i>For Schedule 80 Nipples, Add</i>	8.39	
			<i>For 300 LB Rating, Add</i>	26.47	
			<i>For ASTM 120, Deduct</i>	-1.10	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0148	EA		4" x Close, Schedule 40 Galvanized Steel Nipple.....	40.05	19.38
			<i>For Schedule 80 Nipples, Add</i>	12.57	
			<i>For 300 LB Rating, Add</i>	39.24	
			<i>For ASTM 120, Deduct</i>	-1.65	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0149	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.48	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.90	
			<i>For 300 LB Rating, Add</i>	3.33	
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0150	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.28	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For 300 LB Rating, Add</i>	2.65	
			<i>For ASTM 120, Deduct</i>	-0.09	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0151	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.43	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.84	
			<i>For 300 LB Rating, Add</i>	3.16	
			<i>For ASTM 120, Deduct</i>	-0.11	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0152	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.48	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.90	
			<i>For 300 LB Rating, Add</i>	3.33	
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0153	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.28	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For 300 LB Rating, Add</i>	2.65	
			<i>For ASTM 120, Deduct</i>	-0.09	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0154	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.43	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.84	
			<i>For 300 LB Rating, Add</i>	3.16	
			<i>For ASTM 120, Deduct</i>	-0.11	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0155	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	12.61	7.71
			<i>For Schedule 80 Nipples, Add</i>	1.25	
			<i>For 300 LB Rating, Add</i>	4.43	
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0156	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.81	8.31
			<i>For Schedule 80 Nipples, Add</i>	1.53	
			<i>For 300 LB Rating, Add</i>	5.30	
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0157	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	14.04	8.31
			<i>For Schedule 80 Nipples, Add</i>	1.79	
			<i>For 300 LB Rating, Add</i>	6.09	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0158	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.75	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.21	
			<i>For 300 LB Rating, Add</i>	4.25	
			<i>For ASTM 120, Deduct</i>	-0.16	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0159	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.38	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.79	
			<i>For 300 LB Rating, Add</i>	2.99	
			<i>For ASTM 120, Deduct</i>	-0.10	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0160	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.51	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.93	
			<i>For 300 LB Rating, Add</i>	3.43	
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0161	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.70	7.71
			<i>For Schedule 80 Nipples, Add</i>	1.36	
			<i>For 300 LB Rating, Add</i>	4.74	
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0162	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.94	8.31
			<i>For Schedule 80 Nipples, Add</i>	1.68	
			<i>For 300 LB Rating, Add</i>	5.75	
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	3.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0163 EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.22 2.00 6.70 -0.26 3.74	8.31
22 11 16 00-0164 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.42 2.64 8.85 -0.35 4.83	10.70
22 11 16 00-0165 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.75 1.21 4.25 -0.16 3.21	7.11
22 11 16 00-0166 EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.38 0.79 2.99 -0.10 3.21	7.11
22 11 16 00-0167 EA 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.51 0.93 3.43 -0.12 3.21	7.11
22 11 16 00-0168 EA 1" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.70 1.36 4.74 -0.18 3.45	7.71
22 11 16 00-0169 EA 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.94 1.68 5.75 -0.22 3.74	8.31
22 11 16 00-0170 EA 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.22 2.00 6.70 -0.26 3.74	8.31
22 11 16 00-0171 EA 2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.42 2.64 8.85 -0.35 4.83	10.70
22 11 16 00-0172 EA 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.33 7.27 22.89 -0.96 5.99	13.32
22 11 16 00-0173 EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.52 9.55 29.94 -1.26 7.24	16.09
22 11 16 00-0174 EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.94 1.43 4.89 -0.19 3.21	7.11
22 11 16 00-0175 EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.54 0.97 3.53 -0.13 3.21	7.11
22 11 16 00-0176 EA 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.75 1.21 4.25 -0.16 3.21	7.11
22 11 16 00-0177 EA 1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.94 1.63 5.55 -0.21 3.45	7.71
22 11 16 00-0178 EA 1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.22 2.00 6.70 -0.26 3.74	8.31
22 11 16 00-0179 EA 1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.68 2.52 8.26 -0.33 3.74	8.31

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0180	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.92	10.70
			<i>For Schedule 80 Nipples, Add</i>	3.21	
			<i>For 300 LB Rating, Add</i>	10.55	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0181	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.35	13.32
			<i>For Schedule 80 Nipples, Add</i>	8.44	
			<i>For 300 LB Rating, Add</i>	26.36	
			<i>For ASTM 120, Deduct</i>	-1.11	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0182	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.97	16.09
			<i>For Schedule 80 Nipples, Add</i>	11.21	
			<i>For 300 LB Rating, Add</i>	34.87	
			<i>For ASTM 120, Deduct</i>	-1.47	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0183	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	11.94	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.43	
			<i>For 300 LB Rating, Add</i>	4.89	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0184	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	11.54	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.97	
			<i>For 300 LB Rating, Add</i>	3.53	
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0185	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	11.94	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.43	
			<i>For 300 LB Rating, Add</i>	4.89	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0186	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.94	7.71
			<i>For Schedule 80 Nipples, Add</i>	1.63	
			<i>For 300 LB Rating, Add</i>	5.55	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0187	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.22	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.00	
			<i>For 300 LB Rating, Add</i>	6.70	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0188	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.68	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.52	
			<i>For 300 LB Rating, Add</i>	8.26	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0189	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	18.94	10.70
			<i>For Schedule 80 Nipples, Add</i>	3.24	
			<i>For 300 LB Rating, Add</i>	10.62	
			<i>For ASTM 120, Deduct</i>	-0.43	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0190	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	27.35	13.32
			<i>For Schedule 80 Nipples, Add</i>	8.44	
			<i>For 300 LB Rating, Add</i>	26.36	
			<i>For ASTM 120, Deduct</i>	-1.11	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0191	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	33.97	16.09
			<i>For Schedule 80 Nipples, Add</i>	11.21	
			<i>For 300 LB Rating, Add</i>	34.87	
			<i>For ASTM 120, Deduct</i>	-1.47	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0192	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	42.21	19.38
			<i>For Schedule 80 Nipples, Add</i>	15.04	
			<i>For 300 LB Rating, Add</i>	46.59	
			<i>For ASTM 120, Deduct</i>	-1.98	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0193	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.42	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.97	
			<i>For 300 LB Rating, Add</i>	6.52	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0194	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.72	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.17	
			<i>For 300 LB Rating, Add</i>	4.14	
			<i>For ASTM 120, Deduct</i>	-0.15	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0195	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.95	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.44	
			<i>For 300 LB Rating, Add</i>	4.93	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0196	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.26	7.71
			<i>For Schedule 80 Nipples, Add</i>	2.00	
			<i>For 300 LB Rating, Add</i>	6.64	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0197	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.64	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.47	
			<i>For 300 LB Rating, Add</i>	8.13	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0198	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.15	8.31
			<i>For Schedule 80 Nipples, Add</i>	3.06	
			<i>For 300 LB Rating, Add</i>	9.86	
			<i>For ASTM 120, Deduct</i>	-0.40	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0199	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.70	10.70
			<i>For Schedule 80 Nipples, Add</i>	4.10	
			<i>For 300 LB Rating, Add</i>	13.21	
			<i>For ASTM 120, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0200	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.21	13.32
			<i>For Schedule 80 Nipples, Add</i>	9.42	
			<i>For 300 LB Rating, Add</i>	29.28	
			<i>For ASTM 120, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0201	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	35.59	16.09
			<i>For Schedule 80 Nipples, Add</i>	13.05	
			<i>For 300 LB Rating, Add</i>	40.38	
			<i>For ASTM 120, Deduct</i>	-1.72	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0202	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	43.82	19.38
			<i>For Schedule 80 Nipples, Add</i>	16.87	
			<i>For 300 LB Rating, Add</i>	52.06	
			<i>For ASTM 120, Deduct</i>	-2.22	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0203	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	12.42	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.97	
			<i>For 300 LB Rating, Add</i>	6.52	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0204	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	11.72	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.17	
			<i>For 300 LB Rating, Add</i>	4.14	
			<i>For ASTM 120, Deduct</i>	-0.15	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0205	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	11.95	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.44	
			<i>For 300 LB Rating, Add</i>	4.93	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0206	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.26	7.71
			<i>For Schedule 80 Nipples, Add</i>	2.00	
			<i>For 300 LB Rating, Add</i>	6.64	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0207	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.64	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.47	
			<i>For 300 LB Rating, Add</i>	8.13	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0208	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.15	8.31
			<i>For Schedule 80 Nipples, Add</i>	3.06	
			<i>For 300 LB Rating, Add</i>	9.86	
			<i>For ASTM 120, Deduct</i>	-0.40	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0209	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.70	10.70
			<i>For Schedule 80 Nipples, Add</i>	4.10	
			<i>For 300 LB Rating, Add</i>	13.21	
			<i>For ASTM 120, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0210	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.21	13.32
			<i>For Schedule 80 Nipples, Add</i>	9.42	
			<i>For 300 LB Rating, Add</i>	29.28	
			<i>For ASTM 120, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0211	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple	35.59	16.09
			<i>For Schedule 80 Nipples, Add</i>	13.05	
			<i>For 300 LB Rating, Add</i>	40.38	
			<i>For ASTM 120, Deduct</i>	-1.72	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0212	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple	43.82	19.38
			<i>For Schedule 80 Nipples, Add</i>	16.87	
			<i>For 300 LB Rating, Add</i>	52.06	
			<i>For ASTM 120, Deduct</i>	-2.22	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0213	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.61	7.11
			<i>For Schedule 80 Nipples, Add</i>	2.19	
			<i>For 300 LB Rating, Add</i>	7.17	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.21	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0214	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	11.85	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.32	
			<i>For 300 LB Rating, Add</i>	4.59	
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0215	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	12.20	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.72	
			<i>For 300 LB Rating, Add</i>	5.78	
			<i>For ASTM 120, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0216	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	13.50	7.71
			<i>For Schedule 80 Nipples, Add</i>	2.27	
			<i>For 300 LB Rating, Add</i>	7.46	
			<i>For ASTM 120, Deduct</i>	-0.30	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0217	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	14.98	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.86	
			<i>For 300 LB Rating, Add</i>	9.28	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0218	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.48	8.31
			<i>For Schedule 80 Nipples, Add</i>	3.43	
			<i>For 300 LB Rating, Add</i>	10.98	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0219	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	20.28	10.70
			<i>For Schedule 80 Nipples, Add</i>	4.77	
			<i>For 300 LB Rating, Add</i>	15.18	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0220	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.02	13.32
			<i>For Schedule 80 Nipples, Add</i>	10.34	
			<i>For 300 LB Rating, Add</i>	32.04	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0221	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	36.25	16.09
			<i>For Schedule 80 Nipples, Add</i>	13.81	
			<i>For 300 LB Rating, Add</i>	42.62	
			<i>For ASTM 120, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0222	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	45.38	19.38
			<i>For Schedule 80 Nipples, Add</i>	18.65	
			<i>For 300 LB Rating, Add</i>	57.37	
			<i>For ASTM 120, Deduct</i>	-2.45	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0223	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	18.36	7.11
			<i>For Schedule 80 Nipples, Add</i>	8.74	
			<i>For 300 LB Rating, Add</i>	26.72	
			<i>For ASTM 120, Deduct</i>	-1.15	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0224	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	12.74	7.11
			<i>For Schedule 80 Nipples, Add</i>	2.34	
			<i>For 300 LB Rating, Add</i>	7.61	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0225	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	13.31	7.11
			<i>For Schedule 80 Nipples, Add</i>	2.99	
			<i>For 300 LB Rating, Add</i>	9.55	
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0226	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	14.83	7.71
			<i>For Schedule 80 Nipples, Add</i>	3.78	
			<i>For 300 LB Rating, Add</i>	11.98	
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0227	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	16.54	8.31
			<i>For Schedule 80 Nipples, Add</i>	4.64	
			<i>For 300 LB Rating, Add</i>	14.59	
			<i>For ASTM 120, Deduct</i>	-0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0228	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	17.14	8.31
			<i>For Schedule 80 Nipples, Add</i>	5.32	
			<i>For 300 LB Rating, Add</i>	16.63	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0229	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	22.92	10.70
			<i>For Schedule 80 Nipples, Add</i>	7.77	
			<i>For 300 LB Rating, Add</i>	24.15	
			<i>For ASTM 120, Deduct</i>	-1.02	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0230	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	31.63	13.32
			<i>For Schedule 80 Nipples, Add</i>	13.32	
			<i>For 300 LB Rating, Add</i>	40.91	
			<i>For ASTM 120, Deduct</i>	-1.75	
			<i>For Work In Restricted Working Space, Add</i>	5.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0231 EA 3" x 8" Long, Schedule 40 Galvanized Steel Nipple	40.46	16.09
<i>For Schedule 80 Nipples, Add</i>	18.60	
<i>For 300 LB Rating, Add</i>	56.94	
<i>For ASTM 120, Deduct</i>	-2.45	
<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0232 EA 4" x 8" Long, Schedule 40 Galvanized Steel Nipple	48.54	19.38
<i>For Schedule 80 Nipples, Add</i>	22.25	
<i>For 300 LB Rating, Add</i>	68.11	
<i>For ASTM 120, Deduct</i>	-2.93	
<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0233 EA 4" x 10" Long, Schedule 40 Galvanized Steel Nipple	14.35	7.11
<i>For Schedule 80 Nipples, Add</i>	4.17	
<i>For 300 LB Rating, Add</i>	13.09	
<i>For ASTM 120, Deduct</i>	-0.55	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0234 EA 1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	13.13	7.11
<i>For Schedule 80 Nipples, Add</i>	2.78	
<i>For 300 LB Rating, Add</i>	8.94	
<i>For ASTM 120, Deduct</i>	-0.37	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0235 EA 3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	13.60	7.11
<i>For Schedule 80 Nipples, Add</i>	3.32	
<i>For 300 LB Rating, Add</i>	10.54	
<i>For ASTM 120, Deduct</i>	-0.44	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0236 EA 1" x 10" Long, Schedule 40 Galvanized Steel Nipple	15.31	7.71
<i>For Schedule 80 Nipples, Add</i>	4.33	
<i>For 300 LB Rating, Add</i>	13.61	
<i>For ASTM 120, Deduct</i>	-0.57	
<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0237 EA 1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.34	8.31
<i>For Schedule 80 Nipples, Add</i>	5.55	
<i>For 300 LB Rating, Add</i>	17.31	
<i>For ASTM 120, Deduct</i>	-0.73	
<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0238 EA 1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.92	8.31
<i>For Schedule 80 Nipples, Add</i>	6.21	
<i>For 300 LB Rating, Add</i>	19.28	
<i>For ASTM 120, Deduct</i>	-0.82	
<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0239 EA 2" x 10" Long, Schedule 40 Galvanized Steel Nipple	24.07	10.70
<i>For Schedule 80 Nipples, Add</i>	9.09	
<i>For 300 LB Rating, Add</i>	28.06	
<i>For ASTM 120, Deduct</i>	-1.20	
<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0240 EA 2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	33.26	13.32
<i>For Schedule 80 Nipples, Add</i>	15.17	
<i>For 300 LB Rating, Add</i>	46.45	
<i>For ASTM 120, Deduct</i>	-2.00	
<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0241 EA 3" x 10" Long, Schedule 40 Galvanized Steel Nipple	42.76	16.09
<i>For Schedule 80 Nipples, Add</i>	21.23	
<i>For 300 LB Rating, Add</i>	64.76	
<i>For ASTM 120, Deduct</i>	-2.79	
<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0242 EA 4" x 10" Long, Schedule 40 Galvanized Steel Nipple	51.64	19.38
<i>For Schedule 80 Nipples, Add</i>	25.79	
<i>For 300 LB Rating, Add</i>	78.65	
<i>For ASTM 120, Deduct</i>	-3.39	
<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0243 EA 3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	14.75	7.11
<i>For Schedule 80 Nipples, Add</i>	4.63	
<i>For 300 LB Rating, Add</i>	14.45	
<i>For ASTM 120, Deduct</i>	-0.61	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0244 EA 1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	13.46	7.11
<i>For Schedule 80 Nipples, Add</i>	3.16	
<i>For 300 LB Rating, Add</i>	10.06	
<i>For ASTM 120, Deduct</i>	-0.42	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0245 EA 3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	13.95	7.11
<i>For Schedule 80 Nipples, Add</i>	3.72	
<i>For 300 LB Rating, Add</i>	11.73	
<i>For ASTM 120, Deduct</i>	-0.49	
<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0246 EA 1" x 12" Long, Schedule 40 Galvanized Steel Nipple	15.93	7.71
<i>For Schedule 80 Nipples, Add</i>	5.04	
<i>For 300 LB Rating, Add</i>	15.72	
<i>For ASTM 120, Deduct</i>	-0.66	
<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0247 EA 1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.32	8.31
<i>For Schedule 80 Nipples, Add</i>	6.67	
<i>For 300 LB Rating, Add</i>	20.64	
<i>For ASTM 120, Deduct</i>	-0.88	
<i>For Work In Restricted Working Space, Add</i>	3.74	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0248	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.70	8.31
			<i>For Schedule 80 Nipples, Add</i>	7.10	
			<i>For 300 LB Rating, Add</i>	21.93	
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0249	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	25.25	10.70
			<i>For Schedule 80 Nipples, Add</i>	10.43	
			<i>For 300 LB Rating, Add</i>	32.08	
			<i>For ASTM 120, Deduct</i>	-1.37	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0250	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	34.84	13.32
			<i>For Schedule 80 Nipples, Add</i>	16.97	
			<i>For 300 LB Rating, Add</i>	51.82	
			<i>For ASTM 120, Deduct</i>	-2.23	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0251	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	45.07	16.09
			<i>For Schedule 80 Nipples, Add</i>	23.86	
			<i>For 300 LB Rating, Add</i>	72.61	
			<i>For ASTM 120, Deduct</i>	-3.14	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0252	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	54.77	19.38
			<i>For Schedule 80 Nipples, Add</i>	29.36	
			<i>For 300 LB Rating, Add</i>	89.29	
			<i>For ASTM 120, Deduct</i>	-3.86	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0253			Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0254	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	11.05	5.32
			<i>For 225 LB Rating, Add</i>	6.33	
			<i>For 300 LB Rating, Add</i>	10.98	
			<i>For Work In Restricted Working Space, Add</i>	2.39	
22 11 16 00-0255	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	14.52	5.32
			<i>For 225 LB Rating, Add</i>	13.45	
			<i>For 300 LB Rating, Add</i>	22.78	
			<i>For Work In Restricted Working Space, Add</i>	2.39	
22 11 16 00-0256	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.57	8.08
			<i>For 225 LB Rating, Add</i>	13.33	
			<i>For 300 LB Rating, Add</i>	22.82	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0257	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	20.21	8.08
			<i>For 225 LB Rating, Add</i>	16.69	
			<i>For 300 LB Rating, Add</i>	28.40	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0258	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	22.74	8.08
			<i>For 225 LB Rating, Add</i>	21.87	
			<i>For 300 LB Rating, Add</i>	37.00	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0259	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	31.50	10.70
			<i>For 225 LB Rating, Add</i>	31.57	
			<i>For 300 LB Rating, Add</i>	53.33	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0260	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	41.60	13.32
			<i>For 225 LB Rating, Add</i>	44.38	
			<i>For 300 LB Rating, Add</i>	74.81	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0261	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	58.99	16.09
			<i>For 225 LB Rating, Add</i>	71.44	
			<i>For 300 LB Rating, Add</i>	119.94	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0262	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	69.61	19.38
			<i>For 225 LB Rating, Add</i>	83.21	
			<i>For 300 LB Rating, Add</i>	139.75	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0263	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	108.63	24.23
			<i>For 225 LB Rating, Add</i>	148.32	
			<i>For 300 LB Rating, Add</i>	248.17	
			<i>For Work In Restricted Working Space, Add</i>	10.88	
22 11 16 00-0264	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug.....	134.64	28.80
			<i>For 225 LB Rating, Add</i>	187.39	
			<i>For 300 LB Rating, Add</i>	313.39	
			<i>For Work In Restricted Working Space, Add</i>	12.97	
22 11 16 00-0265			125 LB, Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0266	EA		1", 125 LB, Galvanized Cast Iron Flange.....	106.68	33.82
			<i>For Work In Restricted Working Space, Add</i>	15.22	
22 11 16 00-0267	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange.....	116.71	35.02
			<i>For Work In Restricted Working Space, Add</i>	15.75	
22 11 16 00-0268	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange.....	124.36	38.10
			<i>For Work In Restricted Working Space, Add</i>	17.14	
22 11 16 00-0269	EA		2", 125 LB, Galvanized Cast Iron Flange.....	118.75	39.74
			<i>For Work In Restricted Working Space, Add</i>	17.89	
22 11 16 00-0270	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange.....	138.16	46.02
			<i>For Work In Restricted Working Space, Add</i>	20.69	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0271	EA		3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	171.56 26.25	58.37
	22 11 16 00-0272	EA		4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	230.53 34.82	77.42
	22 11 16 00-0273	EA		5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	274.53 41.45	92.15
	22 11 16 00-0274	EA		6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	324.80 47.61	105.86
22 11 16 00-0275				Cut And Thread Existing In-Place Galvanized Steel Pipe <small>(22 11 16 00-0013)</small> Note: For use when connecting pipe to an existing in-place system.		
	22 11 16 00-0276	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.38 7.31	
	22 11 16 00-0277	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.83 8.05	
	22 11 16 00-0278	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.27 8.78	
	22 11 16 00-0279	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.70 9.51	
	22 11 16 00-0280	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.33 10.00	
	22 11 16 00-0281	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.96 10.49	
	22 11 16 00-0282	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.59 10.98	
	22 11 16 00-0283	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.21 11.46	
	22 11 16 00-0284	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.83 11.95	
22 11 16 00-0285				Copper Pipe And Fittings <small>(22 11 16)</small> Note: Excludes hangers. See CSI section 22 11 16 00-0708 for pipe with fittings assembly.		
22 11 16 00-0286				Copper Tube/Pipe <small>(22 11 16 00-0285)</small> Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0287				Hard Drawn Type L Copper Tube/Pipe <small>(22 11 16 00-0286)</small>		
	22 11 16 00-0288	LF		1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.64 0.82	1.83
	22 11 16 00-0289	LF		3/8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.22 0.86	1.90
	22 11 16 00-0290	LF		1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.65 0.89	1.98
	22 11 16 00-0291	LF		3/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.73 0.95	2.10
	22 11 16 00-0292	LF		1" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.25 1.07	2.37
	22 11 16 00-0293	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.46 1.58	3.52
	22 11 16 00-0294	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.17 1.76	3.93
	22 11 16 00-0295	LF		2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.45 2.18	4.84
	22 11 16 00-0296	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.15 5.45	6.05
	22 11 16 00-0297	LF		3" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	46.23 6.04	6.71
	22 11 16 00-0298	LF		4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	64.51 6.81	7.57
	22 11 16 00-0299	LF		5" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	141.86 7.82	8.69
	22 11 16 00-0300	LF		6" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	172.16 12.12	13.48
	22 11 16 00-0301	LF		8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	283.15 13.48	14.98
22 11 16 00-0302				Hard Drawn Type K Copper Tube/Pipe <small>(22 11 16 00-0286)</small>		
	22 11 16 00-0303	LF		1/4" Hard Drawn Type K Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.98 0.08 0.89	1.96
	22 11 16 00-0304	LF		3/8" Hard Drawn Type K Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.22 0.15 1.01	2.25
	22 11 16 00-0305	LF		1/2" Hard Drawn Type K Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.30 0.16 0.98	2.19
	22 11 16 00-0306	LF		3/4" Hard Drawn Type K Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.43 0.29 1.14	2.54
	22 11 16 00-0307	LF		1" Hard Drawn Type K Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.78 0.38 1.22	2.70

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0308	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	8.25	3.83
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	1.72	
22 11 16 00-0309	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	15.15	4.30
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.70	
			<i>For Work In Restricted Working Space, Add</i>	1.94	
22 11 16 00-0310	LF		2" Hard Drawn Type K Copper Tube/Pipe.....	25.79	5.28
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.43	
			<i>For Work In Restricted Working Space, Add</i>	2.37	
22 11 16 00-0311	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	44.61	13.21
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.99	
			<i>For Work In Restricted Working Space, Add</i>	5.94	
22 11 16 00-0312	LF		3" Hard Drawn Type K Copper Tube/Pipe.....	53.50	14.77
			<i>For Medical/Oxygen Service Tubing, Add</i>	2.51	
			<i>For Work In Restricted Working Space, Add</i>	6.64	
22 11 16 00-0313	LF		4" Hard Drawn Type K Copper Tube/Pipe.....	75.69	16.73
			<i>For Medical/Oxygen Service Tubing, Add</i>	4.05	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
22 11 16 00-0314	LF		5" Hard Drawn Type K Copper Tube/Pipe.....	176.74	19.75
			<i>For Medical/Oxygen Service Tubing, Add</i>	11.77	
			<i>For Work In Restricted Working Space, Add</i>	8.88	
22 11 16 00-0315	LF		6" Hard Drawn Type K Copper Tube/Pipe.....	227.30	31.84
			<i>For Medical/Oxygen Service Tubing, Add</i>	14.36	
			<i>For Work In Restricted Working Space, Add</i>	14.32	
22 11 16 00-0316	LF		8" Hard Drawn Type K Copper Tube/Pipe.....	372.32	35.08
			<i>For Medical/Oxygen Service Tubing, Add</i>	25.58	
			<i>For Work In Restricted Working Space, Add</i>	15.78	
22 11 16 00-0317			Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0318	LF		1/4" Hard Drawn Type M Copper Tube/Pipe.....	3.16	1.58
			<i>For Work In Restricted Working Space, Add</i>	0.71	
22 11 16 00-0319	LF		3/8" Hard Drawn Type M Copper Tube/Pipe.....	3.27	1.52
			<i>For Work In Restricted Working Space, Add</i>	0.68	
22 11 16 00-0320	LF		1/2" Hard Drawn Type M Copper Tube/Pipe.....	3.55	1.57
			<i>For Work In Restricted Working Space, Add</i>	0.71	
22 11 16 00-0321	LF		3/4" Hard Drawn Type M Copper Tube/Pipe.....	4.35	1.67
			<i>For Work In Restricted Working Space, Add</i>	0.75	
22 11 16 00-0322	LF		1" Hard Drawn Type M Copper Tube/Pipe.....	5.41	1.86
			<i>For Work In Restricted Working Space, Add</i>	0.84	
22 11 16 00-0323	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	8.29	2.87
			<i>For Work In Restricted Working Space, Add</i>	1.29	
22 11 16 00-0324	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	10.96	3.29
			<i>For Work In Restricted Working Space, Add</i>	1.49	
22 11 16 00-0325	LF		2" Hard Drawn Type M Copper Tube/Pipe.....	18.80	4.09
			<i>For Work In Restricted Working Space, Add</i>	1.84	
22 11 16 00-0326	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe.....	33.69	11.01
			<i>For Work In Restricted Working Space, Add</i>	4.95	
22 11 16 00-0327	LF		3" Hard Drawn Type M Copper Tube/Pipe.....	39.16	12.11
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-0328	LF		4" Hard Drawn Type M Copper Tube/Pipe.....	57.40	14.13
			<i>For Work In Restricted Working Space, Add</i>	6.35	
22 11 16 00-0329	LF		5" Hard Drawn Type M Copper Tube/Pipe.....	125.79	16.31
			<i>For Work In Restricted Working Space, Add</i>	7.34	
22 11 16 00-0330	LF		6" Hard Drawn Type M Copper Tube/Pipe.....	153.10	25.26
			<i>For Work In Restricted Working Space, Add</i>	11.36	
22 11 16 00-0331	LF		8" Hard Drawn Type M Copper Tube/Pipe.....	245.34	27.79
			<i>For Work In Restricted Working Space, Add</i>	12.50	
22 11 16 00-0332			Soft Drawn Type L Copper Tube (22 11 16 00-0286)		
22 11 16 00-0333	LF		1/4" Soft Drawn Type L Copper Tube.....	3.71	0.20
			<i>For Work In Restricted Working Space, Add</i>	0.82	
22 11 16 00-0334	LF		3/8" Soft Drawn Type L Copper Tube.....	4.37	1.90
			<i>For Work In Restricted Working Space, Add</i>	0.86	
22 11 16 00-0335	LF		1/2" Soft Drawn Type L Copper Tube.....	4.95	1.98
			<i>For Work In Restricted Working Space, Add</i>	0.89	
22 11 16 00-0336	LF		5/8" Soft Drawn Type L Copper Tube.....	5.70	2.04
			<i>For Work In Restricted Working Space, Add</i>	0.92	
22 11 16 00-0337	LF		3/4" Soft Drawn Type L Copper Tube.....	6.17	2.10
			<i>For Work In Restricted Working Space, Add</i>	0.95	
22 11 16 00-0338	LF		1" Soft Drawn Type L Copper Tube.....	7.87	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0339	LF		1-1/4" Soft Drawn Type L Copper Tube.....	11.82	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.58	
22 11 16 00-0340	LF		1-1/2" Soft Drawn Type L Copper Tube.....	14.27	3.93
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 11 16 00-0341	LF		2" Soft Drawn Type L Copper Tube.....	20.99	4.84
			<i>For Work In Restricted Working Space, Add</i>	2.18	
22 11 16 00-0342			Soft Drawn Type K Copper Tube (22 11 16 00-0286)		
22 11 16 00-0343	LF		1/4" Soft Drawn Type K Copper Tube.....	3.90	0.20
			<i>For Work In Restricted Working Space, Add</i>	0.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0344 LF 3/8" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	4.94 0.86	1.90
22 11 16 00-0345 LF 1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	5.31 0.89	1.98
22 11 16 00-0346 LF 5/8" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	6.06 0.92	2.04
22 11 16 00-0347 LF 3/4" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	7.28 0.95	2.10
22 11 16 00-0348 LF 1" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	9.05 1.07	2.37
22 11 16 00-0349 LF 1-1/4" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	12.70 1.58	3.52
22 11 16 00-0350 LF 1-1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	15.62 1.76	3.93
22 11 16 00-0351 LF 2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	22.78 2.18	4.84
22 11 16 00-0352 LF 2-1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	27.34 2.61	5.81
22 11 16 00-0353 LF 3" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	36.33 3.08	6.86
 22 11 16 00-0354 Copper And Brass Fittings (22 11 16 00-0285) Note: All fittings are based on 95/5 solder.		
22 11 16 00-0355 90 Degree Copper And Brass Elbows (22 11 16 00-0354)		
22 11 16 00-0356 EA 1/4" Or 3/8" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.66 2.56 -1.75 2.44 0.96 4.88	10.81
22 11 16 00-0357 EA 1/2" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.66 4.07 -2.72 4.02 0.33 8.05	17.88
22 11 16 00-0358 EA 3/4" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.11 5.09 -3.42 5.00 0.71 10.00	22.27
22 11 16 00-0359 EA 1" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.24 6.20 -4.20 5.98 1.76 11.95	26.58
22 11 16 00-0360 EA 1-1/4" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.76 6.80 -4.64 6.46 2.67 12.93	28.77
22 11 16 00-0361 EA 1-1/2" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.54 7.59 -5.23 7.07 4.16 14.15	31.46
22 11 16 00-0362 EA 2" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.76 8.87 -6.23 7.93 7.56 15.86	35.28
22 11 16 00-0363 EA 2-1/2" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.92 9.88 -7.19 8.08 16.16	35.92
22 11 16 00-0364 EA 3" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.85 12.18 -8.96 9.65 19.31	42.96
22 11 16 00-0365 EA 4" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.65 20.16 -15.60 13.70 27.39	60.92

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0366 EA 5" 90 Degree Copper Elbow	601.04	83.37
For Silver Solder Instead Of 95/5 Solder, Add	42.55	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.75	
For Work In Restricted Working Space, Add	37.49	
22 11 16 00-0367 EA 6" 90 Degree Copper Elbow	846.86	121.31
For Silver Solder Instead Of 95/5 Solder, Add	60.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-51.44	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.28	
For Work In Restricted Working Space, Add	54.56	
22 11 16 00-0368 EA 8" 90 Degree Copper Elbow	1,671.83	161.72
For Silver Solder Instead Of 95/5 Solder, Add	107.84	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-95.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	36.37	
For Work In Restricted Working Space, Add	72.74	
22 11 16 00-0369 EA 1/2" Drop Ear 90 Degree Brass Elbow	32.43	17.88
For Silver Solder Instead Of 95/5 Solder, Add	4.30	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.96	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.02	
For Work In Restricted Working Space, Add	8.05	
22 11 16 00-0370 EA 3/4" Drop Ear 90 Degree Brass Elbow	38.93	22.27
For Silver Solder Instead Of 95/5 Solder, Add	5.28	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.61	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.00	
For Work In Restricted Working Space, Add	10.00	
22 11 16 00-0371 EA 1" Drop Ear 90 Degree Brass Elbow	55.93	26.58
For Silver Solder Instead Of 95/5 Solder, Add	6.78	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.98	
For Work In Restricted Working Space, Add	11.95	
22 11 16 00-0372 EA 1/2" Flanged Sink 90 Degree Brass Elbow	31.96	17.88
For Silver Solder Instead Of 95/5 Solder, Add	4.28	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.02	
For Work In Restricted Working Space, Add	8.05	
22 11 16 00-0373 EA 3/4" Flanged Sink 90 Degree Brass Elbow	43.80	22.27
For Silver Solder Instead Of 95/5 Solder, Add	5.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.00	
For Work In Restricted Working Space, Add	10.00	
22 11 16 00-0374 45 Degree Copper Elbows (22 11 16 00-0354)		
22 11 16 00-0375 EA 1/4" Or 3/8" 45 Degree Copper Elbow	20.08	10.81
For Silver Solder Instead Of 95/5 Solder, Add	2.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.82	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.44	
For Street Fitting, Add	1.53	
For Work In Restricted Working Space, Add	4.88	
22 11 16 00-0376 EA 1/2" 45 Degree Copper Elbow	28.30	17.88
For Silver Solder Instead Of 95/5 Solder, Add	4.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.02	
For Street Fitting, Add	0.59	
For Work In Restricted Working Space, Add	8.05	
22 11 16 00-0377 EA 3/4" 45 Degree Copper Elbow	35.89	22.27
For Silver Solder Instead Of 95/5 Solder, Add	5.13	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.46	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.00	
For Street Fitting, Add	1.02	
For Work In Restricted Working Space, Add	10.00	
22 11 16 00-0378 EA 1" 45 Degree Copper Elbow	46.29	26.58
For Silver Solder Instead Of 95/5 Solder, Add	6.30	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.31	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.98	
For Street Fitting, Add	2.58	
For Work In Restricted Working Space, Add	11.95	
22 11 16 00-0379 EA 1-1/4" 45 Degree Copper Elbow	51.81	28.77
For Silver Solder Instead Of 95/5 Solder, Add	6.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.46	
For Street Fitting, Add	3.49	
For Work In Restricted Working Space, Add	12.93	
22 11 16 00-0380 EA 1-1/2" 45 Degree Copper Elbow	57.63	31.46
For Silver Solder Instead Of 95/5 Solder, Add	7.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.24	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.07	
For Street Fitting, Add	4.19	
For Work In Restricted Working Space, Add	14.15	
22 11 16 00-0381 EA 2" 45 Degree Copper Elbow	70.41	35.28
For Silver Solder Instead Of 95/5 Solder, Add	8.81	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.93	
For Work In Restricted Working Space, Add	15.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0382 EA 2-1/2" 45 Degree Copper Elbow	91.26	35.92
For Silver Solder Instead Of 95/5 Solder, Add	9.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.08	
For Work In Restricted Working Space, Add	16.16	
22 11 16 00-0383 EA 3" 45 Degree Copper Elbow	119.81	42.96
For Silver Solder Instead Of 95/5 Solder, Add	12.43	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.65	
For Work In Restricted Working Space, Add	19.31	
22 11 16 00-0384 EA 4" 45 Degree Copper Elbow	209.45	60.92
For Silver Solder Instead Of 95/5 Solder, Add	19.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.04	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.70	
For Work In Restricted Working Space, Add	27.39	
22 11 16 00-0385 EA 5" 45 Degree Copper Elbow	581.70	83.37
For Silver Solder Instead Of 95/5 Solder, Add	41.58	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.75	
For Work In Restricted Working Space, Add	37.49	
22 11 16 00-0386 EA 6" 45 Degree Copper Elbow	867.68	121.31
For Silver Solder Instead Of 95/5 Solder, Add	61.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-52.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.28	
For Work In Restricted Working Space, Add	54.56	
22 11 16 00-0387 EA 8" 45 Degree Copper Elbow	1,523.55	161.72
For Silver Solder Instead Of 95/5 Solder, Add	100.42	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-88.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	36.37	
For Work In Restricted Working Space, Add	72.74	
22 11 16 00-0388 Straight Copper And Brass Tees (22 11 16 00-0354)		
22 11 16 00-0389 EA 1/4" Straight Copper Tee	24.80	13.01
For Silver Solder Instead Of 95/5 Solder, Add	3.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.22	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.93	
For Work In Restricted Working Space, Add	5.85	
22 11 16 00-0390 EA 3/8" Straight Copper Tee	33.34	19.51
For Silver Solder Instead Of 95/5 Solder, Add	4.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.13	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.39	
For Work In Restricted Working Space, Add	8.78	
22 11 16 00-0391 EA 1/2" Straight Copper Tee	41.98	27.15
For Silver Solder Instead Of 95/5 Solder, Add	6.16	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.13	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.10	
For Work In Restricted Working Space, Add	12.19	
22 11 16 00-0392 EA 3/4" Straight Copper Tee	53.71	33.66
For Silver Solder Instead Of 95/5 Solder, Add	7.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.56	
For Work In Restricted Working Space, Add	15.12	
22 11 16 00-0393 EA 1" Straight Copper Tee	70.33	40.16
For Silver Solder Instead Of 95/5 Solder, Add	9.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.52	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.02	
For Work In Restricted Working Space, Add	18.05	
22 11 16 00-0394 EA 1-1/4" Straight Copper Tee	80.48	43.41
For Silver Solder Instead Of 95/5 Solder, Add	10.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.76	
For Work In Restricted Working Space, Add	19.51	
22 11 16 00-0395 EA 1-1/2" Straight Copper Tee	92.16	47.15
For Silver Solder Instead Of 95/5 Solder, Add	11.68	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.61	
For Work In Restricted Working Space, Add	21.22	
22 11 16 00-0396 EA 2" Straight Copper Tee	113.06	53.17
For Silver Solder Instead Of 95/5 Solder, Add	13.62	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.95	
For Work In Restricted Working Space, Add	23.90	
22 11 16 00-0397 EA 2-1/2" Straight Copper Tee	148.24	53.88
For Silver Solder Instead Of 95/5 Solder, Add	15.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.12	
For Work In Restricted Working Space, Add	24.25	
22 11 16 00-0398 EA 3" Straight Copper Tee	200.14	64.88
For Silver Solder Instead Of 95/5 Solder, Add	19.74	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.87	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.59	
For Work In Restricted Working Space, Add	29.18	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0399 EA 4" Straight Copper Tee	384.65	90.85
For Silver Solder Instead Of 95/5 Solder, Add	32.85	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.04	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.43	
For Work In Restricted Working Space, Add	40.86	
22 11 16 00-0400 EA 5" Straight Copper Tee	959.96	124.30
For Silver Solder Instead Of 95/5 Solder, Add	66.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-57.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.95	
For Work In Restricted Working Space, Add	55.91	
22 11 16 00-0401 EA 6" Straight Copper Tee	1,330.91	182.23
For Silver Solder Instead Of 95/5 Solder, Add	93.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-80.20	
For Brazed Fittings Instead Of 95/5 Solder, Add	40.97	
For Work In Restricted Working Space, Add	81.95	
22 11 16 00-0402 EA 8" Straight Copper Tee	2,636.60	242.62
For Silver Solder Instead Of 95/5 Solder, Add	168.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-150.02	
For Brazed Fittings Instead Of 95/5 Solder, Add	54.56	
For Work In Restricted Working Space, Add	109.11	
22 11 16 00-0403 EA 1/2" Drop Ear Brass Tee	45.64	27.15
For Silver Solder Instead Of 95/5 Solder, Add	6.35	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.31	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.10	
For Work In Restricted Working Space, Add	12.19	
22 11 16 00-0404 Reducing Copper Tees (22 11 16 00-0354)		
22 11 16 00-0405 EA 3/8" Reducing Copper Tee.....	34.06	17.32
For Silver Solder Instead Of 95/5 Solder, Add	4.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.00	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.90	
For Work In Restricted Working Space, Add	7.81	
22 11 16 00-0406 EA 1/2" Reducing Copper Tee.....	43.59	24.38
For Silver Solder Instead Of 95/5 Solder, Add	5.84	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.01	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.49	
For Work In Restricted Working Space, Add	10.98	
22 11 16 00-0407 EA 3/4" Reducing Copper Tee.....	50.35	31.46
For Silver Solder Instead Of 95/5 Solder, Add	7.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.07	
For Work In Restricted Working Space, Add	14.15	
22 11 16 00-0408 EA 1" Reducing Copper Tee.....	67.07	37.97
For Silver Solder Instead Of 95/5 Solder, Add	9.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.20	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.54	
For Work In Restricted Working Space, Add	17.07	
22 11 16 00-0409 EA 1-1/4" Reducing Copper Tee	76.81	41.22
For Silver Solder Instead Of 95/5 Solder, Add	10.02	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.93	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.27	
For Work In Restricted Working Space, Add	18.54	
22 11 16 00-0410 EA 1-1/2" Reducing Copper Tee	83.43	45.03
For Silver Solder Instead Of 95/5 Solder, Add	10.92	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.12	
For Work In Restricted Working Space, Add	20.24	
22 11 16 00-0411 EA 2" Reducing Copper Tee.....	100.81	50.40
For Silver Solder Instead Of 95/5 Solder, Add	12.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.82	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.34	
For Work In Restricted Working Space, Add	22.68	
22 11 16 00-0412 EA 2-1/2" Reducing Copper Tee	156.39	51.94
For Silver Solder Instead Of 95/5 Solder, Add	15.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.67	
For Work In Restricted Working Space, Add	23.35	
22 11 16 00-0413 EA 3" Reducing Copper Tee.....	176.29	59.87
For Silver Solder Instead Of 95/5 Solder, Add	17.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.47	
For Work In Restricted Working Space, Add	26.94	
22 11 16 00-0414 Copper Couplings (22 11 16 00-0354)		
22 11 16 00-0415 EA 1/4" Copper Coupling.....	13.61	8.70
For Silver Solder Instead Of 95/5 Solder, Add	1.98	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.95	
For Work In Restricted Working Space, Add	3.90	
22 11 16 00-0416 EA 3/8" Copper Coupling.....	20.30	13.01
For Silver Solder Instead Of 95/5 Solder, Add	2.97	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.93	
For Work In Restricted Working Space, Add	5.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0417	EA		1/2" Copper Coupling.....	27.59	17.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.06	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.72	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	8.05	
22 11 16 00-0418	EA		3/4" Copper Coupling.....	34.53	22.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.06	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
22 11 16 00-0419	EA		1" Copper Coupling.....	42.30	26.58
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.10	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.11	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	11.95	
22 11 16 00-0420	EA		1-1/4" Copper Coupling	47.41	28.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.68	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.53	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	12.93	
22 11 16 00-0421	EA		1-1/2" Copper Coupling	52.85	31.46
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.36	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
			<i>For Work In Restricted Working Space, Add</i>	14.15	
22 11 16 00-0422	EA		2" Copper Coupling.....	62.33	34.96
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.40	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	15.86	
22 11 16 00-0423	EA		2-1/2" Copper Coupling	71.06	33.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.63	
			<i>For Work In Restricted Working Space, Add</i>	15.27	
22 11 16 00-0424	EA		3" Copper Coupling.....	91.67	41.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.72	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.65	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.20	
			<i>For Work In Restricted Working Space, Add</i>	18.41	
22 11 16 00-0425	EA		4" Copper Coupling.....	142.89	55.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.26	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.35	
			<i>For Work In Restricted Working Space, Add</i>	24.69	
22 11 16 00-0426	EA		5" Copper Coupling.....	253.83	101.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.30	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.84	
			<i>For Work In Restricted Working Space, Add</i>	33.68	
22 11 16 00-0427	EA		6" Copper Coupling.....	386.31	109.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-27.55	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.70	
			<i>For Work In Restricted Working Space, Add</i>	49.39	
22 11 16 00-0428	EA		8" Copper Coupling.....	617.31	145.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	52.72	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-41.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	32.78	
			<i>For Work In Restricted Working Space, Add</i>	65.56	
22 11 16 00-0429			Reducing Copper Couplings (22 11 16 00-0354)		
22 11 16 00-0430	EA		3/8" Reducing Copper Coupling	18.02	10.81
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.71	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.44	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0431	EA		1/2" Reducing Copper Coupling	24.62	15.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	6.95	
22 11 16 00-0432	EA		3/4" Reducing Copper Coupling	32.27	20.08
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.62	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 11 16 00-0433	EA		1" Reducing Copper Coupling	40.10	24.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.49	
			<i>For Work In Restricted Working Space, Add</i>	10.98	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0434 EA 1-1/4" Reducing Copper Coupling	47.53	27.64
For Silver Solder Instead Of 95/5 Solder, Add	6.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.22	
For Work In Restricted Working Space, Add	12.44	
22 11 16 00-0435 EA 1-1/2" Reducing Copper Coupling	53.13	30.08
For Silver Solder Instead Of 95/5 Solder, Add	7.17	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.77	
For Work In Restricted Working Space, Add	13.53	
22 11 16 00-0436 EA 2" Reducing Copper Coupling.....	65.02	33.33
For Silver Solder Instead Of 95/5 Solder, Add	8.25	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.50	
For Work In Restricted Working Space, Add	15.00	
22 11 16 00-0437 EA 2-1/2" Reducing Copper Coupling	81.78	34.20
For Silver Solder Instead Of 95/5 Solder, Add	9.22	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.69	
For Work In Restricted Working Space, Add	15.38	
22 11 16 00-0438 EA 3" Reducing Copper Coupling.....	98.15	39.67
For Silver Solder Instead Of 95/5 Solder, Add	10.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
For Work In Restricted Working Space, Add	17.74	
22 11 16 00-0439 EA 4" Reducing Copper Coupling.....	154.47	51.94
For Silver Solder Instead Of 95/5 Solder, Add	15.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.62	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.67	
For Work In Restricted Working Space, Add	23.35	
22 11 16 00-0440 EA 5" Reducing Copper Coupling.....	269.68	72.36
For Silver Solder Instead Of 95/5 Solder, Add	24.34	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.28	
For Work In Restricted Working Space, Add	32.55	
22 11 16 00-0441 EA 6" Reducing Copper Coupling.....	420.74	97.28
For Silver Solder Instead Of 95/5 Solder, Add	35.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-28.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.89	
For Work In Restricted Working Space, Add	43.78	
22 11 16 00-0442 EA 8" Reducing Copper Coupling.....	665.04	141.76
For Silver Solder Instead Of 95/5 Solder, Add	54.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-43.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	31.88	
For Work In Restricted Working Space, Add	63.76	
22 11 16 00-0443 Male Copper Adapters (22 11 16 00-0354)		
22 11 16 00-0444 EA 1/4" Male Copper Adapter.....	22.14	10.57
For Silver Solder Instead Of 95/5 Solder, Add	2.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.44	
For Work In Restricted Working Space, Add	4.88	
22 11 16 00-0445 EA 3/8" Male Copper Adapter.....	23.64	13.01
For Silver Solder Instead Of 95/5 Solder, Add	3.13	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.93	
For Work In Restricted Working Space, Add	5.85	
22 11 16 00-0446 EA 1/2" Male Copper Adapter.....	26.07	16.26
For Silver Solder Instead Of 95/5 Solder, Add	3.74	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.52	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.66	
For Work In Restricted Working Space, Add	7.31	
22 11 16 00-0447 EA 3/4" Male Copper Adapter.....	32.87	20.33
For Silver Solder Instead Of 95/5 Solder, Add	4.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.51	
For Work In Restricted Working Space, Add	9.02	
22 11 16 00-0448 EA 1" Male Copper Adapter.....	42.23	23.58
For Silver Solder Instead Of 95/5 Solder, Add	5.61	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.24	
For Work In Restricted Working Space, Add	10.49	
22 11 16 00-0449 EA 1-1/4" Male Copper Adapter	51.34	26.83
For Silver Solder Instead Of 95/5 Solder, Add	6.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.10	
For Work In Restricted Working Space, Add	12.19	
22 11 16 00-0450 EA 1-1/2" Male Copper Adapter	58.63	30.89
For Silver Solder Instead Of 95/5 Solder, Add	7.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.95	
For Work In Restricted Working Space, Add	13.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0451	EA		2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.18 9.94 -6.98 8.90 17.81	39.43
22 11 16 00-0452	EA		2-1/2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.87 14.79 -10.96 11.46 22.93	51.22
22 11 16 00-0453 Female Copper Adapters (22 11 16 00-0354)					
22 11 16 00-0454	EA		3/8" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.07 3.20 -2.23 2.93 5.85	13.01
22 11 16 00-0455	EA		1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.02 3.79 -2.57 3.66 7.31	16.26
22 11 16 00-0456	EA		3/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.72 4.69 -3.19 4.51 9.02	20.33
22 11 16 00-0457	EA		1" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.39 5.67 -3.92 5.24 10.49	23.58
22 11 16 00-0458	EA		1-1/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.93 6.71 -4.68 6.10 12.19	26.83
22 11 16 00-0459	EA		1-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.62 7.92 -5.60 6.95 13.90	30.89
22 11 16 00-0460	EA		2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.49 10.21 -7.24 8.90 17.81	39.43
22 11 16 00-0461	EA		2-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.63 14.52 -11.00 10.55 21.11	47.15
22 11 16 00-0462	EA		3" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.85 20.97 -15.88 15.27 30.53	68.28
22 11 16 00-0463 Copper To Copper Unions (22 11 16 00-0354)					
22 11 16 00-0464	EA		1/4" Or 3/8" Copper To Copper Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.18 3.92 -2.74 3.54 7.07	15.69
22 11 16 00-0465	EA		1/2" Copper To Copper Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.46 4.65 -3.19 4.39 8.78	19.51
22 11 16 00-0466	EA		3/4" Copper To Copper Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.13 5.34 -3.67 5.00 10.00	22.27
22 11 16 00-0467	EA		1" Copper To Copper Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.68 6.57 -4.58 5.98 11.95	26.58
22 11 16 00-0468	EA		1-1/4" Copper To Copper Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.12 7.55 -5.35 6.59 13.17	29.27

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0469	EA		1-1/2" Copper To Copper Union	76.59	32.52
			For Silver Solder Instead Of 95/5 Solder, Add	8.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.32	
			For Work In Restricted Working Space, Add	14.63	
22 11 16 00-0470	EA		2" Copper To Copper Union.....	105.31	39.02
			For Silver Solder Instead Of 95/5 Solder, Add	11.12	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.78	
			For Work In Restricted Working Space, Add	17.56	
22 11 16 00-0471	EA		2-1/2" Copper To Copper Union	186.84	42.96
			For Silver Solder Instead Of 95/5 Solder, Add	15.78	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.56	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.65	
			For Work In Restricted Working Space, Add	19.31	
22 11 16 00-0472	EA		3" Copper To Copper Union.....	408.00	60.92
			For Silver Solder Instead Of 95/5 Solder, Add	29.53	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.70	
			For Work In Restricted Working Space, Add	27.39	
22 11 16 00-0473			Copper Caps (22 11 16 00-0354)		
22 11 16 00-0474	EA		1/4" Or 3/8" Copper Cap	4.02	2.05
			For Silver Solder Instead Of 95/5 Solder, Add	0.51	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.35	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.46	
			For Work In Restricted Working Space, Add	0.92	
22 11 16 00-0475	EA		1/2" Copper Cap	4.03	2.34
			For Silver Solder Instead Of 95/5 Solder, Add	0.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.52	
			For Work In Restricted Working Space, Add	1.04	
22 11 16 00-0476	EA		3/4" Copper Cap	5.34	2.92
			For Silver Solder Instead Of 95/5 Solder, Add	0.70	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.65	
			For Work In Restricted Working Space, Add	1.30	
22 11 16 00-0477	EA		1" Copper Cap	7.93	3.70
			For Silver Solder Instead Of 95/5 Solder, Add	0.95	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.82	
			For Work In Restricted Working Space, Add	1.65	
22 11 16 00-0478	EA		1-1/4" Copper Cap	10.95	5.07
			For Silver Solder Instead Of 95/5 Solder, Add	1.30	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.13	
			For Work In Restricted Working Space, Add	2.26	
22 11 16 00-0479	EA		1-1/2" Copper Cap	13.86	5.97
			For Silver Solder Instead Of 95/5 Solder, Add	1.58	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.14	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.33	
			For Work In Restricted Working Space, Add	2.65	
22 11 16 00-0480	EA		2" Copper Cap	28.92	13.29
			For Silver Solder Instead Of 95/5 Solder, Add	3.41	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.43	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.95	
			For Work In Restricted Working Space, Add	5.90	
22 11 16 00-0481	EA		2-1/2" Copper Cap	59.53	20.21
			For Silver Solder Instead Of 95/5 Solder, Add	5.97	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.47	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.49	
			For Work In Restricted Working Space, Add	8.98	
22 11 16 00-0482	EA		3" Copper Cap	79.85	26.52
			For Silver Solder Instead Of 95/5 Solder, Add	7.92	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.96	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.89	
			For Work In Restricted Working Space, Add	11.79	
22 11 16 00-0483	EA		4" Copper Cap	123.30	31.58
			For Silver Solder Instead Of 95/5 Solder, Add	10.84	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.02	
			For Work In Restricted Working Space, Add	14.03	
22 11 16 00-0484	EA		6" Copper Cap	420.74	56.13
			For Silver Solder Instead Of 95/5 Solder, Add	29.35	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.47	
			For Work In Restricted Working Space, Add	24.94	
22 11 16 00-0485	EA		8" Copper Cap	747.63	80.82
			For Silver Solder Instead Of 95/5 Solder, Add	49.35	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-43.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.96	
			For Work In Restricted Working Space, Add	35.92	
22 11 16 00-0486			Copper Crosses (22 11 16 00-0354)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0487	EA		1/2" Copper Cross	67.91	39.96
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.98	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
22 11 16 00-0488	EA		3/4" Copper Cross	79.20	42.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.32	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.54	
			<i>For Work In Restricted Working Space, Add</i>	19.08	
22 11 16 00-0489	EA		1" Copper Cross	101.31	49.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.81	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.23	
			<i>For Work In Restricted Working Space, Add</i>	22.45	
22 11 16 00-0490	EA		1-1/4" Copper Cross	116.98	53.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.93	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.89	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.12	
			<i>For Work In Restricted Working Space, Add</i>	24.25	
22 11 16 00-0491	EA		1-1/2" Copper Cross	147.97	62.41
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.75	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.03	
			<i>For Work In Restricted Working Space, Add</i>	28.07	
22 11 16 00-0492	EA		2" Copper Cross	209.98	72.36
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.28	
			<i>For Work In Restricted Working Space, Add</i>	32.55	
22 11 16 00-0493	EA		2-1/2" Copper Cross	380.75	122.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	37.37	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-28.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.50	
			<i>For Work In Restricted Working Space, Add</i>	55.01	
22 11 16 00-0494	EA		3" Copper Cross	532.49	144.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	48.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-37.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	32.55	
			<i>For Work In Restricted Working Space, Add</i>	65.11	
22 11 16 00-0495	EA		4" Copper Cross	1,250.66	169.73
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	87.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-75.26	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	38.17	
			<i>For Work In Restricted Working Space, Add</i>	76.33	
22 11 16 00-0496	EA		5" Copper Cross	3,450.57	213.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	203.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-188.24	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	47.15	
			<i>For Work In Restricted Working Space, Add</i>	94.29	
22 11 16 00-0497	EA		6" Copper Cross	3,805.61	249.58
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	227.70	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-208.99	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	56.13	
			<i>For Work In Restricted Working Space, Add</i>	112.25	
22 11 16 00-0498			Crimped Copper Fittings (22 11 16 00-0285) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0499			Crimped Copper 90 Degree Elbows (22 11 16 00-0498)		
22 11 16 00-0500	EA		1/2" Crimped Copper 90 Degree Elbow	15.29	9.76
22 11 16 00-0501	EA		3/4" Crimped Copper 90 Degree Elbow	17.78	11.14
22 11 16 00-0502	EA		1" Crimped Copper 90 Degree Elbow	22.15	13.25
22 11 16 00-0503	EA		1-1/4" Crimped Copper 90 Degree Elbow	26.46	14.63
22 11 16 00-0504	EA		1-1/2" Crimped Copper 90 Degree Elbow	32.93	16.26
22 11 16 00-0505	EA		2" Crimped Copper 90 Degree Elbow	41.15	19.51
22 11 16 00-0506	EA		2-1/2" Crimped Copper 90 Degree Elbow	68.65	22.76
22 11 16 00-0507	EA		3" Crimped Copper 90 Degree Elbow	84.05	27.07
22 11 16 00-0508	EA		4" Crimped Copper 90 Degree Elbow	107.36	35.77
22 11 16 00-0509			Crimped Copper 45 Degree Elbows (22 11 16 00-0498)		
22 11 16 00-0510	EA		1/2" Crimped Copper 45 Degree Elbow	15.40	9.76
22 11 16 00-0511	EA		3/4" Crimped Copper 45 Degree Elbow	17.60	11.14
22 11 16 00-0512	EA		1" Crimped Copper 45 Degree Elbow	22.94	13.25
22 11 16 00-0513	EA		1-1/4" Crimped Copper 45 Degree Elbow	26.29	14.63
22 11 16 00-0514	EA		1-1/2" Crimped Copper 45 Degree Elbow	31.42	16.26
22 11 16 00-0515	EA		2" Crimped Copper 45 Degree Elbow	39.11	19.51
22 11 16 00-0516	EA		2-1/2" Crimped Copper 45 Degree Elbow	56.93	22.76
22 11 16 00-0517	EA		3" Crimped Copper 45 Degree Elbow	73.20	27.07
22 11 16 00-0518	EA		4" Crimped Copper 45 Degree Elbow	98.88	35.77



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0519		Crimped Copper Straight Tees (22 11 16 00-0498)		
22 11 16 00-0520	EA	1/2" Crimped Copper Straight Tee.....	22.96	14.63
22 11 16 00-0521	EA	3/4" Crimped Copper Straight Tee.....	30.63	19.27
22 11 16 00-0522	EA	1" Crimped Copper Straight Tee.....	35.32	21.38
22 11 16 00-0523	EA	1-1/4" Crimped Copper Straight Tee.....	38.33	21.95
22 11 16 00-0524	EA	1-1/2" Crimped Copper Straight Tee.....	47.91	24.96
22 11 16 00-0525	EA	2" Crimped Copper Straight Tee.....	56.90	29.27
22 11 16 00-0526	EA	2-1/2" Crimped Copper Straight Tee.....	93.85	34.14
22 11 16 00-0527	EA	3" Crimped Copper Straight Tee.....	114.26	40.64
22 11 16 00-0528	EA	4" Crimped Copper Straight Tee.....	155.25	53.65
22 11 16 00-0529		Crimped Copper Reducing Tees (22 11 16 00-0498)		
22 11 16 00-0530	EA	3/4" Crimped Copper Reducing Tee.....	23.63	13.90
22 11 16 00-0531	EA	1" Crimped Copper Reducing Tee.....	32.26	18.29
22 11 16 00-0532	EA	1-1/4" Crimped Copper Reducing Tee.....	35.44	20.33
22 11 16 00-0533	EA	1-1/2" Crimped Copper Reducing Tee.....	40.64	20.89
22 11 16 00-0534	EA	2" Crimped Copper Reducing Tee.....	47.34	23.66
22 11 16 00-0535	EA	2-1/2" Crimped Copper Reducing Tee.....	90.72	26.83
22 11 16 00-0536	EA	3" Crimped Copper Reducing Tee.....	110.09	32.52
22 11 16 00-0537	EA	4" Crimped Copper Reducing Tee.....	134.79	43.33
22 11 16 00-0538		Crimped Copper Couplings (22 11 16 00-0498)		
22 11 16 00-0539	EA	1/2" Crimped Copper Coupling.....	15.22	9.76
22 11 16 00-0540	EA	3/4" Crimped Copper Coupling.....	17.56	11.14
22 11 16 00-0541	EA	1" Crimped Copper Coupling.....	21.73	13.25
22 11 16 00-0542	EA	1-1/4" Crimped Copper Coupling.....	24.21	14.63
22 11 16 00-0543	EA	1-1/2" Crimped Copper Coupling.....	28.59	16.26
22 11 16 00-0544	EA	2" Crimped Copper Coupling.....	34.64	19.51
22 11 16 00-0545	EA	2-1/2" Crimped Copper Coupling.....	51.33	22.76
22 11 16 00-0546	EA	3" Crimped Copper Coupling.....	62.53	27.07
22 11 16 00-0547	EA	4" Crimped Copper Coupling.....	84.04	35.77
22 11 16 00-0548		Crimped Copper Reducing Couplings (22 11 16 00-0498)		
22 11 16 00-0549	EA	3/4" Crimped Copper Reducing Coupling.....	16.60	9.27
22 11 16 00-0550	EA	1" Crimped Copper Reducing Coupling.....	18.95	10.57
22 11 16 00-0551	EA	1-1/4" Crimped Copper Reducing Coupling.....	23.43	12.60
22 11 16 00-0552	EA	1-1/2" Crimped Copper Reducing Coupling.....	27.51	13.90
22 11 16 00-0553	EA	2" Crimped Copper Reducing Coupling.....	30.62	15.44
22 11 16 00-0554	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling.....	47.94	18.45
22 11 16 00-0555	EA	3" Crimped Copper FTG x C Reducing Coupling.....	58.41	21.71
22 11 16 00-0556	EA	4" Crimped Copper FTG x C Reducing Coupling.....	76.50	28.69
22 11 16 00-0557		Crimped Copper Male Adapters (22 11 16 00-0498)		
22 11 16 00-0558	EA	1/2" Crimped Copper Male Adapter.....	15.35	9.76
22 11 16 00-0559	EA	3/4" Crimped Copper Male Adapter.....	17.97	11.14
22 11 16 00-0560	EA	1" Crimped Copper Male Adapter.....	22.32	13.25
22 11 16 00-0561	EA	1-1/4" Crimped Copper Male Adapter.....	27.23	14.63
22 11 16 00-0562	EA	1-1/2" Crimped Copper Male Adapter.....	31.79	16.26
22 11 16 00-0563	EA	2" Crimped Copper Male Adapter.....	43.54	19.51
22 11 16 00-0564	EA	2-1/2" Crimped Copper Male Adapter.....	68.65	22.76
22 11 16 00-0565	EA	3" Crimped Copper Male Adapter.....	84.05	27.07
22 11 16 00-0566	EA	4" Crimped Copper Male Adapter.....	103.90	35.77
22 11 16 00-0567		Crimped Copper Female Adapters (22 11 16 00-0498)		
22 11 16 00-0568	EA	1/2" Crimped Copper Female Adapter.....	15.51	9.76
22 11 16 00-0569	EA	3/4" Crimped Copper Female Adapter.....	18.09	11.14
22 11 16 00-0570	EA	1" Crimped Copper Female Adapter.....	22.54	13.25
22 11 16 00-0571	EA	1-1/4" Crimped Copper Female Adapter.....	27.89	14.63
22 11 16 00-0572	EA	1-1/2" Crimped Copper Female Adapter.....	33.02	16.26
22 11 16 00-0573	EA	2" Crimped Copper Female Adapter.....	43.93	19.51
22 11 16 00-0574		Crimped Copper Caps (22 11 16 00-0498)		
22 11 16 00-0575	EA	1/2" Crimped Copper Cap.....	8.59	4.87
22 11 16 00-0576	EA	3/4" Crimped Copper Cap.....	10.69	5.69
22 11 16 00-0577	EA	1" Crimped Copper Cap.....	13.07	6.50
22 11 16 00-0578	EA	1-1/4" Crimped Copper Cap.....	14.72	7.32
22 11 16 00-0579	EA	1-1/2" Crimped Copper Cap.....	18.41	8.38
22 11 16 00-0580	EA	2" Crimped Copper Cap.....	21.69	9.76
22 11 16 00-0581	EA	2-1/2" Crimped Copper Cap.....	39.64	11.38
22 11 16 00-0582	EA	3" Crimped Copper Cap.....	48.88	13.57
22 11 16 00-0583	EA	4" Crimped Copper Cap.....	64.88	17.88



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0584				C x F NPT Crimped Bronze Unions (22 11 16 00-0498)		
			EA	1/2" C x F NPT Crimped Bronze Union.....	23.64	13.25
			EA	3/4" C x F NPT Crimped Bronze Union.....	29.25	16.34
			EA	1" C x F NPT Crimped Bronze Union.....	37.28	19.59
			EA	1-1/4" C x F NPT Crimped Bronze Union	44.02	22.60
			EA	1-1/2" C x F NPT Crimped Bronze Union	48.94	22.11
			EA	2" C x F NPT Crimped Bronze Union.....	68.87	32.03
22 11 16 00-0591				C x C Crimped Bronze Unions (22 11 16 00-0498)		
			EA	1/2" C x C Bronze Crimped Union	19.28	9.76
			EA	3/4" C x C Bronze Crimped Union	22.75	11.14
			EA	1" C x C Bronze Crimped Union	29.64	13.25
			EA	1-1/4" C x C Bronze Crimped Union	35.84	14.63
			EA	1-1/2" C x C Bronze Crimped Union	43.25	16.26
			EA	2" C x C Bronze Crimped Union	60.08	19.51
22 11 16 00-0598				C x Flange Crimped Bronze Flange (22 11 16 00-0498)		
			EA	2-1/2" C x Flange Crimped Bronze Flange	100.12	22.76
			EA	3" C x Flange Crimped Bronze Flange	111.65	27.07
			EA	4" C x Flange Crimped Bronze Flange	133.15	35.77
22 11 16 00-0602				Field Installed FKM Seals (22 11 16 00-0498)		
				Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
			EA	1/2" Field Installed FKM Seal.....	4.02	
				Note: To be used in conjunction with fittings.		
			EA	3/4" Field Installed FKM Seal.....	4.84	
				Note: To be used in conjunction with fittings.		
			EA	1" Field Installed FKM Seal.....	5.53	
				Note: To be used in conjunction with fittings.		
			EA	1-1/4" Field Installed FKM Seal	6.28	
				Note: To be used in conjunction with fittings.		
			EA	1-1/2" Field Installed FKM Seal	7.79	
				Note: To be used in conjunction with fittings.		
			EA	2" Field Installed FKM Seal.....	8.90	
				Note: To be used in conjunction with fittings.		
			EA	2-1/2" Field Installed FKM Seal	11.54	
				Note: To be used in conjunction with fittings.		
			EA	3" Field Installed FKM Seal.....	13.51	
				Note: To be used in conjunction with fittings.		
			EA	4" Field Installed FKM Seal.....	18.10	
				Note: To be used in conjunction with fittings.		
22 11 16 00-0612				Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0285)		
			EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	8.12	
			EA	3/4", Cut And Prepare Existing In Place Copper Pipe.....	8.78	
			EA	1", Cut And Prepare Existing In Place Copper Pipe.....	9.88	
			EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	10.37	
			EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	10.97	
			EA	2", Cut And Prepare Existing In Place Copper Pipe.....	12.07	
			EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	13.01	
			EA	3", Cut And Prepare Existing In Place Copper Pipe	15.36	
			EA	4", Cut And Prepare Existing In Place Copper Pipe	20.73	
			EA	6", Cut And Prepare Existing In Place Copper Pipe.....	29.63	
			EA	8", Cut And Prepare Existing In Place Copper Pipe.....	39.51	
22 11 16 00-0624				Sweat Brass Companion Flanges (22 11 16 00-0285)		
			EA	1" Sweat Brass Companion Flange	46.38	12.50
			EA	1-1/4" Sweat Brass Companion Flange.....	50.62	13.77
			EA	1-1/2" Sweat Brass Companion Flange.....	72.54	14.97
			EA	2" Sweat Brass Companion Flange	97.18	16.61
			EA	2-1/2" Sweat Brass Companion Flange	122.90	19.98
			EA	3" Sweat Brass Companion Flange	135.50	26.19
			EA	4" Sweat Brass Companion Flange	181.02	31.21
			EA	5" Sweat Brass Companion Flange	341.22	37.59
			EA	6" Sweat Brass Companion Flange	393.65	54.62
			EA	8" Copper Companion Flange	907.17	77.91
22 11 16 00-0635				Brass Compression Fittings (22 11 16 00-0285)		
22 11 16 00-0636				Brass Compression Unions (22 11 16 00-0635)		
			EA	1/4" Brass Compression Union.....	13.89	8.78
			EA	3/8" Brass Compression Union	14.09	8.78
			EA	1/2" Brass Compression Union	14.70	8.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0640 EA 5/8" Brass Compression Union	14.99	8.78
22 11 16 00-0641 EA 3/4" Brass Compression Union	17.39	8.78
22 11 16 00-0642 EA 3/8" x 1/4" Brass Compression Union	14.23	8.78
22 11 16 00-0643 EA 1/2" x 3/8" Brass Compression Union	14.75	8.78
22 11 16 00-0644 EA 5/8" x 3/8" Brass Compression Union	15.11	8.78
22 11 16 00-0645 EA 5/8" x 1/2" Brass Compression Union	15.69	8.78
22 11 16 00-0646 Brass Compression Union Elbows (22 11 16 00-0635)		
22 11 16 00-0647 EA 1/4" Brass Compression Union Elbow	14.70	8.78
22 11 16 00-0648 EA 3/8" Brass Compression Union Elbow	15.03	8.78
22 11 16 00-0649 EA 1/2" Brass Compression Union Elbow	15.75	8.78
22 11 16 00-0650 EA 5/8" Brass Compression Union Elbow	16.87	8.78
22 11 16 00-0651 EA 3/4" Brass Compression Union Elbow	21.23	8.78
22 11 16 00-0652 EA 3/8" x 1/4" Brass Compression Union Elbow	15.03	8.78
22 11 16 00-0653 EA 1/2" x 3/8" Brass Compression Union Elbow	15.75	8.78
22 11 16 00-0654 EA 5/8" x 3/8" Brass Compression Union Elbow	15.95	8.78
22 11 16 00-0655 EA 5/8" x 1/2" Brass Compression Union Elbow	19.23	8.78
22 11 16 00-0656 Brass Compression Union Tees (22 11 16 00-0635)		
22 11 16 00-0657 EA 1/4" Brass Compression Union Tee	14.95	8.78
22 11 16 00-0658 EA 3/8" Brass Compression Union Tee	15.63	8.78
22 11 16 00-0659 EA 1/2" Brass Compression Union Tee	16.35	8.78
22 11 16 00-0660 EA 5/8" Brass Compression Union Tee	18.63	8.78
22 11 16 00-0661 EA 3/4" Brass Compression Union Tee	26.51	8.78
22 11 16 00-0662 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee	16.11	8.78
22 11 16 00-0663 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee	19.81	8.78
22 11 16 00-0664 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee	19.45	8.78
22 11 16 00-0665 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee	19.87	8.78
22 11 16 00-0666 Brass Compression Male Connectors (22 11 16 00-0635)		
22 11 16 00-0667 EA 1/4" Brass Compression Male Connector	13.75	8.78
22 11 16 00-0668 EA 3/8" Brass Compression Male Connector	14.01	8.78
22 11 16 00-0669 EA 1/2" Brass Compression Male Connector	14.47	8.78
22 11 16 00-0670 EA 5/8" Brass Compression Male Connector	15.15	8.78
22 11 16 00-0671 EA 3/4" Brass Compression Male Connector	16.12	8.70
22 11 16 00-0672 Brass Compression Female Connectors (22 11 16 00-0635)		
22 11 16 00-0673 EA 1/4" Brass Compression Female Connector	14.04	8.78
22 11 16 00-0674 EA 3/8" Brass Compression Female Connector	14.38	8.78
22 11 16 00-0675 EA 1/2" Brass Compression Female Connector	14.96	8.78
22 11 16 00-0676 EA 5/8" Brass Compression Female Connector	15.35	8.78
22 11 16 00-0677 EA 3/4" Brass Compression Female Connector	19.02	8.62
22 11 16 00-0678 Dielectric Fittings (22 11 16 00-0285)		
22 11 16 00-0679 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0680 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union	38.77	19.51
22 11 16 00-0681 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union	42.83	22.27
22 11 16 00-0682 EA 1" Copper x Female Iron Pipe Thread Dielectric Union	53.18	24.47
22 11 16 00-0683 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	67.49	26.94
22 11 16 00-0684 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	84.59	29.94
22 11 16 00-0685 EA 2" Copper x Female Iron Pipe Thread Dielectric Union	109.82	35.92
22 11 16 00-0686 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0687 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	44.76	19.51
22 11 16 00-0688 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	52.70	22.27
22 11 16 00-0689 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union	66.20	24.47
22 11 16 00-0690 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	84.77	26.94
22 11 16 00-0691 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	105.97	29.94
22 11 16 00-0692 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union	134.89	35.92
22 11 16 00-0693 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0694 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	40.96	19.51
22 11 16 00-0695 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	46.43	22.27
22 11 16 00-0696 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	54.13	24.47
22 11 16 00-0697 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	64.15	26.94
22 11 16 00-0698 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	81.28	29.94
22 11 16 00-0699 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	107.16	35.92
22 11 16 00-0700 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0678)		
22 11 16 00-0701 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	261.84	92.35
22 11 16 00-0702 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange	327.04	116.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0703 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	467.60	158.27
22 11 16 00-0704 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges ⁽²²		
^{11 16 00-0678)}		
22 11 16 00-0705 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	264.35	92.35
22 11 16 00-0706 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	346.71	116.30
22 11 16 00-0707 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	694.45	158.27
22 11 16 00-0708 Copper Pipe Assemblies ^(22 11 16)		
Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0709 LF 1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	15.70	2.28
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
1.03		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-0.87		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
2.06		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-1.42		
<i>For Work In Restricted Working Space, Add</i>		
3.82		
22 11 16 00-0710 LF 3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	18.38	2.93
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
1.27		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-1.05		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
2.36		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-1.64		
<i>For Work In Restricted Working Space, Add</i>		
4.32		
22 11 16 00-0711 LF 1" Inside Diameter Copper Pipe/Tubing Type L Assembly	20.29	3.49
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
1.51		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-1.23		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
2.52		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-1.77		
<i>For Work In Restricted Working Space, Add</i>		
4.53		
22 11 16 00-0712 LF 1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	22.21	4.07
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
1.76		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-1.41		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
2.68		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-1.90		
<i>For Work In Restricted Working Space, Add</i>		
4.71		
<i>For DWV Tubing Instead Of Type L, Deduct</i>		
-0.65		
22 11 16 00-0713 LF 1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	24.76	4.63
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
2.07		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-1.63		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
2.91		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-2.07		
<i>For Work In Restricted Working Space, Add</i>		
5.02		
<i>For DWV Tubing Instead Of Type L, Deduct</i>		
-0.80		
22 11 16 00-0714 LF 2" Inside Diameter Copper Pipe/Tubing Type L Assembly	35.97	5.77
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
3.68		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-2.78		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
3.72		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-2.76		
<i>For Work In Restricted Working Space, Add</i>		
5.78		
<i>For DWV Tubing Instead Of Type L, Deduct</i>		
-1.67		
22 11 16 00-0715 LF 2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	43.75	6.96
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
4.85		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-3.60		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
4.25		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-3.22		
<i>For Work In Restricted Working Space, Add</i>		
6.20		
<i>For DWV Tubing Instead Of Type L, Deduct</i>		
-2.31		
22 11 16 00-0716 LF 3" Inside Diameter Copper Pipe/Tubing Type L Assembly	51.08	8.08
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
<i>For Type K Tubing Instead Of Type L, Add</i>		
5.90		
<i>For Type M Tubing Instead Of Type L, Deduct</i>		
-4.34		
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		
4.79		
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		
-3.67		
<i>For Work In Restricted Working Space, Add</i>		
6.71		
<i>For DWV Tubing Instead Of Type L, Deduct</i>		
-2.87		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0717	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	74.91	10.70
			<i>For Type K Tubing Instead Of Type L, Add</i>	9.18	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-6.68	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.19	
			<i>For Work In Restricted Working Space, Add</i>	8.68	
			<i>For DWV Tubing Instead Of Type L, Deduct</i>	-4.60	
22 11 16 00-0718	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	164.90	13.32
			<i>For Type K Tubing Instead Of Type L, Add</i>	23.77	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-16.82	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.10	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
			<i>For DWV Tubing Instead Of Type L, Deduct</i>	-12.78	
22 11 16 00-0719	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	204.14	16.09
			<i>For Type K Tubing Instead Of Type L, Add</i>	29.27	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-20.73	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.56	
			<i>For Work In Restricted Working Space, Add</i>	14.14	
			<i>For DWV Tubing Instead Of Type L, Deduct</i>	-15.70	
22 11 16 00-0720	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	361.55	19.23
			<i>For Type K Tubing Instead Of Type L, Add</i>	55.18	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-38.70	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.94	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.01	
			<i>For Work In Restricted Working Space, Add</i>	17.58	
			<i>For DWV Tubing Instead Of Type L, Deduct</i>	-30.30	
22 11 16 00-0721			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0722			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0721)		
22 11 16 00-0723			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0722)		
22 11 16 00-0724	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.09 0.89	1.20
22 11 16 00-0725	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.65 0.94	1.26
22 11 16 00-0726	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.60 1.01	1.35
22 11 16 00-0727	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.76 1.11	1.47
22 11 16 00-0728	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.80 1.23	1.63
22 11 16 00-0729	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.68 1.37	1.82
22 11 16 00-0730	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.04 1.56	2.08
22 11 16 00-0731	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	16.61 1.84	2.46
22 11 16 00-0732	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	22.92 2.26	3.01
22 11 16 00-0733	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	39.35 2.88	3.83
22 11 16 00-0734	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	56.47 3.77	5.03
22 11 16 00-0735			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0722)		
22 11 16 00-0736	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	15.95 4.27	5.69
22 11 16 00-0737	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	20.64 5.39	7.18
22 11 16 00-0738	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	26.76 6.76	8.98
22 11 16 00-0739	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.31 8.44	11.22
22 11 16 00-0740	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	40.36 9.34	12.42
22 11 16 00-0741	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.16 10.42	12.42
22 11 16 00-0742	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	71.91 11.86	15.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0743	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.90 14.01	18.71
	22 11 16 00-0744	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	116.18 17.24	22.98
	22 11 16 00-0745	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	146.62 21.91	29.19
	22 11 16 00-0746	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	275.87 28.74	38.32
22 11 16 00-0747	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0722)					
	22 11 16 00-0748	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	16.81 4.27	5.69
	22 11 16 00-0749	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	21.68 5.39	7.18
	22 11 16 00-0750	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.44 6.76	8.98
	22 11 16 00-0751	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	38.52 8.44	11.22
	22 11 16 00-0752	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.04 9.34	12.42
	22 11 16 00-0753	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.07 10.42	13.92
	22 11 16 00-0754	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	72.49 11.86	15.79
	22 11 16 00-0755	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.82 14.01	18.71
	22 11 16 00-0756	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	105.66 17.24	22.98
	22 11 16 00-0757	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.34 21.91	29.19
	22 11 16 00-0758	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	289.84 28.74	38.32
22 11 16 00-0759	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0722)					
	22 11 16 00-0760	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	24.46 6.40	8.53
	22 11 16 00-0761	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	31.95 8.08	10.78
	22 11 16 00-0762	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	39.98 10.15	13.55
	22 11 16 00-0763	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	55.19 12.66	16.91
	22 11 16 00-0764	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	61.58 14.01	18.71
	22 11 16 00-0765	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	74.28 15.63	20.80
	22 11 16 00-0766	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	95.73 17.78	23.72
	22 11 16 00-0767	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	109.72 21.02	27.99
	22 11 16 00-0768	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	133.07 25.86	34.50
	22 11 16 00-0769	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	201.13 32.87	43.86
	22 11 16 00-0770	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	405.85 43.11	57.48
22 11 16 00-0771	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0722)					
	22 11 16 00-0772	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	31.14 8.53	11.37
	22 11 16 00-0773	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	40.23 10.78	14.36
	22 11 16 00-0774	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	50.37 13.52	18.04
	22 11 16 00-0775	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	67.47 16.88	22.52
	22 11 16 00-0776	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	75.08 18.68	24.92
	22 11 16 00-0777	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	88.57 20.84	27.76
	22 11 16 00-0778	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	110.43 23.71	31.58
	22 11 16 00-0779	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	127.56 28.02	37.34
	22 11 16 00-0780	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	155.31 34.49	45.95
	22 11 16 00-0781	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	224.94 43.82	58.44
	22 11 16 00-0782	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	417.39 57.47	76.63



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0783	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts <small>(22 11 16 00-0722)</small>		
22 11 16 00-0784	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	14.21	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.95	
22 11 16 00-0785	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	19.75	7.11
	<i>For Work In Restricted Working Space, Add</i>	5.32	
22 11 16 00-0786	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	32.40	9.28
	<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0787	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	36.53	10.25
	<i>For Work In Restricted Working Space, Add</i>	7.70	
22 11 16 00-0788	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	42.93	11.45
	<i>For Work In Restricted Working Space, Add</i>	8.60	
22 11 16 00-0789	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	46.89	13.02
	<i>For Work In Restricted Working Space, Add</i>	9.79	
22 11 16 00-0790	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	56.80	15.41
	<i>For Work In Restricted Working Space, Add</i>	11.56	
22 11 16 00-0791	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	76.70	18.94
	<i>For Work In Restricted Working Space, Add</i>	14.23	
22 11 16 00-0792	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	122.57	24.09
	<i>For Work In Restricted Working Space, Add</i>	18.08	
22 11 16 00-0793	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	266.54	31.58
	<i>For Work In Restricted Working Space, Add</i>	23.71	
22 11 16 00-0794	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts <small>(22 11 16 00-0722)</small>		
22 11 16 00-0795	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	16.12	3.74
	<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0796	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	20.46	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.95	
22 11 16 00-0797	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	25.55	7.11
	<i>For Work In Restricted Working Space, Add</i>	5.32	
22 11 16 00-0798	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	31.90	9.28
	<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0799	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	37.27	10.25
	<i>For Work In Restricted Working Space, Add</i>	7.70	
22 11 16 00-0800	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	46.62	11.45
	<i>For Work In Restricted Working Space, Add</i>	8.60	
22 11 16 00-0801	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	70.99	13.02
	<i>For Work In Restricted Working Space, Add</i>	9.79	
22 11 16 00-0802	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	138.74	15.41
	<i>For Work In Restricted Working Space, Add</i>	11.56	
22 11 16 00-0803	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	205.36	18.94
	<i>For Work In Restricted Working Space, Add</i>	14.23	
22 11 16 00-0804	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <small>(22 11 16 00-0722)</small>		
22 11 16 00-0805	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	11.95	3.74
	<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0806	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	16.68	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.95	
22 11 16 00-0807	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	23.63	7.11
	<i>For Work In Restricted Working Space, Add</i>	5.32	
22 11 16 00-0808	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	31.90	9.28
	<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0809	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	37.44	10.25
	<i>For Work In Restricted Working Space, Add</i>	7.70	
22 11 16 00-0810	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	44.58	11.45
	<i>For Work In Restricted Working Space, Add</i>	8.60	
22 11 16 00-0811	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	62.75	13.02
	<i>For Work In Restricted Working Space, Add</i>	9.79	
22 11 16 00-0812	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	74.96	15.41
	<i>For Work In Restricted Working Space, Add</i>	11.56	
22 11 16 00-0813	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	109.02	18.94
	<i>For Work In Restricted Working Space, Add</i>	14.23	
22 11 16 00-0814	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0722)</small>		
22 11 16 00-0815	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	12.93	3.74
	<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0816	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	16.99	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0817	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	23.72 5.32	7.11
22 11 16 00-0818	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	32.19 6.96	9.28
22 11 16 00-0819	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	36.12 7.70	10.25
22 11 16 00-0820	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	43.50 8.60	11.45
22 11 16 00-0821	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	63.37 9.79	13.02
22 11 16 00-0822	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	85.84 11.56	15.41
22 11 16 00-0823	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	127.51 14.23	18.94
22 11 16 00-0824 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0722)					
22 11 16 00-0825	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	10.73 2.56	3.44
22 11 16 00-0826	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	15.09 3.59	4.78
22 11 16 00-0827	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	20.28 4.83	6.44
22 11 16 00-0828	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	27.35 6.33	8.46
22 11 16 00-0829	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	31.23 7.01	9.36
22 11 16 00-0830	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	35.19 7.81	10.41
22 11 16 00-0831	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	51.58 8.89	11.83
22 11 16 00-0832	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	57.18 10.51	13.99
22 11 16 00-0833	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	72.14 12.93	17.21
22 11 16 00-0834	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	112.07 16.43	21.93
22 11 16 00-0835	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	187.92 21.55	28.74
22 11 16 00-0836 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0722)					
22 11 16 00-0837	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	19.64 3.08	4.12
22 11 16 00-0838	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	24.21 4.31	5.76
22 11 16 00-0839	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	29.47 5.79	7.71
22 11 16 00-0840	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	49.18 7.59	10.10
22 11 16 00-0841	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	52.31 8.40	11.22
22 11 16 00-0842	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	71.64 9.39	12.50
22 11 16 00-0843	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	119.22 10.67	14.22
22 11 16 00-0844	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	168.49 12.62	16.84
22 11 16 00-0845	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	266.65 15.51	20.66
22 11 16 00-0846	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	355.99 19.71	26.27
22 11 16 00-0847	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	440.81 25.86	34.50
22 11 16 00-0848 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0722)					
22 11 16 00-0849	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	6.32 0.85	1.12
22 11 16 00-0850	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	10.92 1.79	2.40
22 11 16 00-0851	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	18.37 2.90	3.89
22 11 16 00-0852	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	20.12 3.17	4.19
22 11 16 00-0853	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	21.42 3.50	4.64
22 11 16 00-0854	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	28.72 3.91	5.24
22 11 16 00-0855	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	43.09 4.45	5.91
22 11 16 00-0856	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	46.44 5.26	7.03

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0857 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	70.34 6.47	8.60
22 11 16 00-0858 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	148.77 8.22	10.93
22 11 16 00-0859 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	191.78 10.78	14.36
22 11 16 00-0860 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <small>(22 11 16 00-0722)</small>		
22 11 16 00-0861 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	15.20 2.04	2.69
22 11 16 00-0862 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	18.57 2.87	3.82
22 11 16 00-0863 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	22.88 3.86	5.17
22 11 16 00-0864 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	27.21 5.07	6.74
22 11 16 00-0865 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	29.25 5.61	7.48
22 11 16 00-0866 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	34.82 6.24	8.31
22 11 16 00-0867 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	45.60 7.12	9.51
22 11 16 00-0868 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	51.85 8.40	11.22
22 11 16 00-0869 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	64.74 10.35	13.77
22 11 16 00-0870 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	91.40 13.16	17.52
22 11 16 00-0871 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	164.72 17.24	22.98
22 11 19 Domestic Water Piping Specialties <small>(22 11)</small>		
22 11 19 00-0001 Rubber Hose And Clamps <small>(22 11 19)</small>		
22 11 19 00-0002 General Purpose Hose <small>(22 11 19 00-0001)</small> Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003 LF 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.53	1.62
22 11 19 00-0004 LF 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.60	1.62
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.76	1.62
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.72	1.62
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.73	2.43
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.97	2.43
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.84	3.24
22 11 19 00-0010 Chemical Resistant Rubber Hoses <small>(22 11 19 00-0001)</small>		
22 11 19 00-0011 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,060.65	190.96
22 11 19 00-0012 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,505.34	190.96
22 11 19 00-0013 Water Pump Hose <small>(22 11 19 00-0001)</small>		
22 11 19 00-0014 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	180.73	49.51
22 11 19 00-0015 EA 2" Inside Diameter, 20' Rubber Intake Hose.....	187.05	49.51
22 11 19 00-0016 Serrated Shank Nipple <small>(22 11 19 00-0001)</small> Note: For use as medium pressure coupling.		
22 11 19 00-0017 EA 3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple.....	17.60	4.05
22 11 19 00-0018 EA 1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple.....	17.52	4.05
22 11 19 00-0019 EA 5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple.....	17.52	4.05
22 11 19 00-0020 EA 3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple.....	22.18	5.67
22 11 19 00-0021 EA 1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple.....	23.32	5.67
22 11 19 00-0022 EA 1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple.....	44.01	10.54
22 11 19 00-0023 EA 1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple.....	54.64	12.97
22 11 19 00-0024 Worm-Drive Hose Clamp <small>(22 11 19 00-0001)</small>		
22 11 19 00-0025 EA 3/8" To 1" Diameter Worm Drive Hose Clamp.....	8.24	2.43
22 11 19 00-0026 EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	8.72	2.43
22 11 19 00-0027 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	9.25	2.43
22 11 19 00-0028 EA 3/4" To 2" Diameter Worm Drive Hose Clamp.....	9.85	2.43
22 11 19 00-0029 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	10.54	2.43
22 11 19 00-0030 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	11.39	3.24
22 11 19 00-0031 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	12.31	3.24
22 11 19 00-0032 Trap Primer And Accessories <small>(22 11 19)</small>		
22 11 19 00-0033 Trap Primer <small>(22 11 19 00-0032)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0034	EA		1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	140.32	12.19
	22 11 19 00-0035	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	86.90	8.12
	22 11 19 00-0036	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	84.49	8.12
22 11 19 00-0037				Trap Primer Distribution Unit (22 11 19 00-0032)		
	22 11 19 00-0038	EA		Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)..... Note: Can be used for two, three or four drains.	85.00	16.26
	22 11 19 00-0039	EA		Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)..... Note: Can be used for two, three or four drains.	91.49	16.26
22 11 19 00-0040				Trap Primer Manifold (22 11 19 00-0032)		
	22 11 19 00-0041	EA		Two Outlet Manifold.....	114.31	21.87
	22 11 19 00-0042	EA		Four Outlet Manifold.....	167.64	24.88
	22 11 19 00-0043	EA		Six Outlet Manifold.....	218.83	26.34
	22 11 19 00-0044	EA		Eight Outlet Manifold.....	273.80	30.89
22 11 19 00-0045				Brass, Anti Siphon Vacuum Breakers (22 11 19)		
				Note: Watts 288A		
	22 11 19 00-0046	EA		1/2" Brass, Anti Siphon Vacuum Breaker.....	61.19	20.33
	22 11 19 00-0047	EA		3/4" Brass, Anti Siphon Vacuum Breaker.....	69.69	22.76
	22 11 19 00-0048	EA		1" Brass, Anti Siphon Vacuum Breaker.....	126.11	26.02
	22 11 19 00-0049	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker.....	191.50	30.08
	22 11 19 00-0050	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker.....	228.09	33.33
	22 11 19 00-0051	EA		2" Brass, Anti Siphon Vacuum Breaker.....	326.68	40.64
	22 11 19 00-0052	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker.....	812.04	50.81
22 11 19 00-0053				Anti Siphon Pressure Vacuum Breakers (22 11 19)		
				Note: Watts 800M4QT		
	22 11 19 00-0054	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker.....	148.23	20.33
	22 11 19 00-0055	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker.....	133.44	22.76
	22 11 19 00-0056	EA		1" Anti Siphon Pressure Type Vacuum Breaker.....	185.32	26.02
	22 11 19 00-0057	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	321.75	30.08
	22 11 19 00-0058	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	390.64	33.33
	22 11 19 00-0059	EA		2" Anti Siphon Pressure Type Vacuum Breaker.....	399.49	40.64
22 11 19 00-0060				Bellows Type Water Hammer Arrestors (22 11 19)		
	22 11 19 00-0061	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	128.75	9.73
	22 11 19 00-0062	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	245.97	11.76
	22 11 19 00-0063	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	356.24	11.76
	22 11 19 00-0064	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	857.66	11.76
	22 11 19 00-0065	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	965.07	11.76
	22 11 19 00-0066	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	1,180.51	11.76
22 11 19 00-0067				Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0068				Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0067)		
	22 11 19 00-0069	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-A).....	77.38	5.42
	22 11 19 00-0070	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-B).....	145.60	6.25
	22 11 19 00-0071	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-C).....	214.55	6.78
	22 11 19 00-0072	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-D).....	522.00	8.74
	22 11 19 00-0073	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-E).....	635.92	10.84
	22 11 19 00-0074	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab Model MWH-F).....	723.21	11.76
22 11 19 00-0075				Wall Hydrants (22 11 19)		
				Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0076				Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker		
				Wall Hydrants (22 11 19 00-0075)		
				Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
	22 11 19 00-0077	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	465.30 23.04 54.31	20.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0078	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	492.43	24.38
			<i>For Cast Bronze Box, Add</i>	23.04	
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0079	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	509.08	29.35
			<i>For Cast Bronze Box, Add</i>	23.04	
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0080			Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants		
			<small>(22 11 19 00-0075)</small>		
			Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0081	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	481.99	34.14
			<i>For Cast Bronze Box, Add</i>	23.04	
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0082			Cast Bronze Non-Freezing Wall Hydrant <small>(22 11 19 00-0075)</small>		
			Note: 3/4" HPT outlet, 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0083	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	265.95	25.20
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0084	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	324.30	25.20
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0085	EA		6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	324.30	25.20
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0086	EA		8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	324.30	25.20
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0087	EA		10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.87	50.81
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0088	EA		12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.87	50.81
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0089	EA		18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	378.49	50.81
			<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0090			Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0075)</small>		
			Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0091	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	238.91	20.33
22 11 19 00-0092	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	259.27	20.33
22 11 19 00-0093	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	262.04	20.33
22 11 19 00-0094	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	292.58	20.33
22 11 19 00-0095	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	408.82	28.45
			Note: Includes hot and cold hose connections.		
22 11 19 00-0096	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	420.85	28.45
			Note: Includes hot and cold hose connections.		
22 11 19 00-0097	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)	420.85	28.45
			Note: Includes hot and cold hose connections.		
22 11 19 00-0098	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	449.53	28.45
			Note: Includes hot and cold hose connections.		
22 11 19 00-0099			Washer Boxes And Dryer Outlets <small>(22 11 19)</small>		
22 11 19 00-0100			Dryer Vent Kit <small>(22 11 19 00-0099)</small>		
			Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0101	EA		Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	57.19	10.57
22 11 19 00-0102			Washer Boxes And Dryer Vents <small>(22 11 19 00-0099)</small>		
			Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0103	EA		2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	184.87	16.26
22 11 19 00-0104			Ice Maker Outlet Box <small>(22 11 19)</small>		
			Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0105	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	101.70	16.26
22 11 19 00-0106	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	125.63	16.26
22 11 19 00-0107	EA		Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	138.80	16.26
22 11 19 00-0108			Tempering Controllers For Potable Hot Water <small>(22 11 19)</small>		
22 11 19 00-0109			Point-Of-Use Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0108)</small>		
			Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0110	EA		1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	251.85	19.68
22 11 19 00-0111	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	130.77	19.68
22 11 19 00-0112	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	140.39	19.68
22 11 19 00-0113	EA		3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	216.71	26.51



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0114		Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0108)</small> Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops andremovable strainers.		
22 11 19 00-0115	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	613.24	28.38
22 11 19 00-0116	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	691.34	34.96
22 11 19 00-0117	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	829.44	40.66
22 11 19 00-0118	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,068.53	42.74
22 11 19 00-0119	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	1,433.12	55.45
22 11 19 00-0120		High Low Temperature Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0108)</small> Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of lossor interruption of hot water supply. Flow is shut off in the event ofthermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0121	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	1,507.01	43.71
22 11 19 00-0122	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	1,952.20	50.83
22 11 19 00-0123	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	2,272.47	53.42
22 11 19 00-0124	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	2,525.14	69.31
22 11 19 00-0125		Thermostatic Mixing Valves (Leonard) <small>(22 11 19 00-0108)</small> Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0126	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	566.12	28.38
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0127	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)	667.09	34.96
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0128	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	819.02	40.66
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0129	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	998.81	42.76
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0130	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	1,480.89	55.45
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0131		Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0108)</small> Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0132	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,207.11	40.64
22 11 19 00-0133	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,293.50	51.22
22 11 19 00-0134	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,435.25	61.79
22 11 19 00-0135	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,588.87	72.35
22 11 19 00-0136	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,870.43	95.11
22 11 19 00-0137	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,179.64	108.43
22 11 19 00-0138		Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0139		Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0138)</small>		
22 11 19 00-0140		Threaded Double Check Valve Assemblies <small>(22 11 19 00-0139)</small>		
22 11 19 00-0141		Double Check Valve Assemblies With QT Shut-Offs <small>(22 11 19 00-0140)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0142	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	220.85	21.79
		For Work In Restricted Working Space, Add	16.34	
		For Owner Furnished Material, Deduct	-166.38	
22 11 19 00-0143	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	265.05	30.89
		For Work In Restricted Working Space, Add	23.17	
		For Owner Furnished Material, Deduct	-187.82	
22 11 19 00-0144	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	307.41	37.72
		For Work In Restricted Working Space, Add	28.29	
		For Owner Furnished Material, Deduct	-213.10	
22 11 19 00-0145	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	422.83	43.90
		For Work In Restricted Working Space, Add	32.93	
		For Owner Furnished Material, Deduct	-313.08	
22 11 19 00-0146	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	519.96	50.40
		For Work In Restricted Working Space, Add	37.56	
		For Owner Furnished Material, Deduct	-394.77	
22 11 19 00-0147	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	605.18	65.04
		For Work In Restricted Working Space, Add	48.78	
		For Owner Furnished Material, Deduct	-442.59	
22 11 19 00-0148		Double Check Valve Assemblies With QT Shut-Offs And Strainer <small>(22 11 19 00-0140)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0149	EA	1/2"	Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	268.45	21.79
			<i>For Work In Restricted Working Space, Add</i>	16.34	
			<i>For Owner Furnished Material, Deduct</i>	-213.98	
22 11 19 00-0150	EA	3/4"	Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	334.78	30.89
			<i>For Work In Restricted Working Space, Add</i>	23.17	
			<i>For Owner Furnished Material, Deduct</i>	-257.55	
22 11 19 00-0151	EA	1"	Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	392.89	37.72
			<i>For Work In Restricted Working Space, Add</i>	28.29	
			<i>For Owner Furnished Material, Deduct</i>	-298.58	
22 11 19 00-0152	EA	1-1/4"	Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	544.63	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.93	
			<i>For Owner Furnished Material, Deduct</i>	-434.88	
22 11 19 00-0153	EA	1-1/2"	Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	663.42	50.40
			<i>For Work In Restricted Working Space, Add</i>	37.56	
			<i>For Owner Furnished Material, Deduct</i>	-538.23	
22 11 19 00-0154	EA	2"	Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	803.24	65.04
			<i>For Work In Restricted Working Space, Add</i>	48.78	
			<i>For Owner Furnished Material, Deduct</i>	-640.65	
22 11 19 00-0155			Flanged Double Check Valve Assemblies (22 11 19 00-0139)		
22 11 19 00-0156			Double Check Valve Assemblies With NRS Shut-Offs (22 11 19 00-0155)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0157	EA	2-1/2"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,677.58	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,438.10	
22 11 19 00-0158	EA	3"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,845.15	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,579.48	
22 11 19 00-0159			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0155)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0160	EA	2-1/2"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	1,823.76	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,584.28	
22 11 19 00-0161	EA	3"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	2,088.95	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,823.28	
22 11 19 00-0162			Double Check Valve Assemblies With NRS Shut-Offs (22 11 19 00-0155)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0163	EA	2-1/2"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,068.76	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,829.30	
22 11 19 00-0164	EA	3"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,274.62	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,008.94	
22 11 19 00-0165	EA	4"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,622.23	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-2,223.32	
22 11 19 00-0166	EA	6"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	4,387.89	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-3,575.26	
22 11 19 00-0167	EA	8"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	8,387.35	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.74	
			<i>For Owner Furnished Material, Deduct</i>	-7,168.21	
22 11 19 00-0168	EA	10"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	10,991.14	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0169			Double Check Valve Assemblies With NRS Shut-Offs And Strainer (22 11 19 00-0155)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0170	EA	2-1/2"	Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,271.05	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,031.59	
22 11 19 00-0171	EA	3"	Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,516.64	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,250.97	
22 11 19 00-0172	EA	4"	Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	3,160.35	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-2,761.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0173	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	5,409.01	449.85
				<i>For Work In Restricted Working Space, Add</i>	243.79	
				<i>For Owner Furnished Material, Deduct</i>	-4,596.38	
	22 11 19 00-0174	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,107.45	674.77
				<i>For Work In Restricted Working Space, Add</i>	365.69	
				<i>For Owner Furnished Material, Deduct</i>	-8,888.50	
	22 11 19 00-0175	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,991.14	798.12
				<i>For Work In Restricted Working Space, Add</i>	435.34	
				<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
	22 11 19 00-0176			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
	22 11 19 00-0177	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,195.89	179.61
				<i>For Work In Restricted Working Space, Add</i>	71.84	
				<i>For Owner Furnished Material, Deduct</i>	-1,956.43	
	22 11 19 00-0178	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,505.82	202.06
				<i>For Work In Restricted Working Space, Add</i>	79.70	
				<i>For Owner Furnished Material, Deduct</i>	-2,240.15	
	22 11 19 00-0179	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,891.62	299.34
				<i>For Work In Restricted Working Space, Add</i>	119.66	
				<i>For Owner Furnished Material, Deduct</i>	-2,492.75	
	22 11 19 00-0180	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	4,710.35	449.85
				<i>For Work In Restricted Working Space, Add</i>	243.79	
				<i>For Owner Furnished Material, Deduct</i>	-3,897.72	
	22 11 19 00-0181	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	8,925.15	674.77
				<i>For Work In Restricted Working Space, Add</i>	365.69	
				<i>For Owner Furnished Material, Deduct</i>	-7,706.20	
	22 11 19 00-0182	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	12,066.03	798.12
				<i>For Work In Restricted Working Space, Add</i>	435.34	
				<i>For Owner Furnished Material, Deduct</i>	-10,614.91	
	22 11 19 00-0183			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
	22 11 19 00-0184	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	1,892.47	179.61
				<i>For Work In Restricted Working Space, Add</i>	71.84	
				<i>For Owner Furnished Material, Deduct</i>	-1,653.01	
	22 11 19 00-0185	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,084.08	202.06
				<i>For Work In Restricted Working Space, Add</i>	79.70	
				<i>For Owner Furnished Material, Deduct</i>	-1,818.41	
	22 11 19 00-0186	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,382.68	299.34
				<i>For Work In Restricted Working Space, Add</i>	119.66	
				<i>For Owner Furnished Material, Deduct</i>	-1,983.81	
	22 11 19 00-0187	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	3,914.59	449.85
				<i>For Work In Restricted Working Space, Add</i>	243.79	
				<i>For Owner Furnished Material, Deduct</i>	-3,101.96	
	22 11 19 00-0188	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	7,351.79	674.77
				<i>For Work In Restricted Working Space, Add</i>	365.69	
				<i>For Owner Furnished Material, Deduct</i>	-6,132.84	
	22 11 19 00-0189	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	8,013.69	798.12
				<i>For Work In Restricted Working Space, Add</i>	435.34	
				<i>For Owner Furnished Material, Deduct</i>	-6,562.57	
	22 11 19 00-0190			N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
	22 11 19 00-0191	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,479.00	179.61
				<i>For Work In Restricted Working Space, Add</i>	71.84	
				<i>For Owner Furnished Material, Deduct</i>	-2,239.54	
	22 11 19 00-0192	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,670.61	202.06
				<i>For Work In Restricted Working Space, Add</i>	79.70	
				<i>For Owner Furnished Material, Deduct</i>	-2,404.94	
	22 11 19 00-0193	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series).....	3,362.78	299.34
				<i>For Work In Restricted Working Space, Add</i>	119.66	
				<i>For Owner Furnished Material, Deduct</i>	-2,963.91	
	22 11 19 00-0194	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	5,555.33	449.85
				<i>For Work In Restricted Working Space, Add</i>	243.79	
				<i>For Owner Furnished Material, Deduct</i>	-4,742.70	
	22 11 19 00-0195	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	9,783.53	674.77
				<i>For Work In Restricted Working Space, Add</i>	365.69	
				<i>For Owner Furnished Material, Deduct</i>	-8,564.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0196 EA 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	11,642.46	798.12
For Work In Restricted Working Space, Add	435.34	
For Owner Furnished Material, Deduct	-10,191.34	
22 11 19 00-0197 Double Check Valve Assemblies With NRS Shut-Off Valves (22 11 19 00-0155)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0198 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,775.82	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-1,536.36	
22 11 19 00-0199 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,972.73	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-1,707.06	
22 11 19 00-0200 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,276.56	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-1,877.69	
22 11 19 00-0201 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	3,831.23	449.85
For Work In Restricted Working Space, Add	243.79	
For Owner Furnished Material, Deduct	-3,018.60	
22 11 19 00-0202 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	7,271.46	674.77
For Work In Restricted Working Space, Add	365.69	
For Owner Furnished Material, Deduct	-6,052.51	
22 11 19 00-0203 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	8,238.00	798.12
For Work In Restricted Working Space, Add	435.34	
For Owner Furnished Material, Deduct	-6,786.88	
22 11 19 00-0204 N-Pattern Double Check Valve Assemblies With NRS Shut-Offs (22 11 19 00-0155)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0205 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,313.16	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,073.70	
22 11 19 00-0206 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,504.77	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,239.10	
22 11 19 00-0207 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,197.15	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-2,798.28	
22 11 19 00-0208 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,378.91	449.85
For Work In Restricted Working Space, Add	243.79	
For Owner Furnished Material, Deduct	-4,566.28	
22 11 19 00-0209 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	9,516.50	674.77
For Work In Restricted Working Space, Add	365.69	
For Owner Furnished Material, Deduct	-8,297.55	
22 11 19 00-0210 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,374.65	798.12
For Work In Restricted Working Space, Add	435.34	
For Owner Furnished Material, Deduct	-9,923.53	
22 11 19 00-0211 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0155)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0212 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,051.72	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-1,812.26	
22 11 19 00-0213 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,243.32	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-1,977.65	
22 11 19 00-0214 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,541.92	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-2,143.05	
22 11 19 00-0215 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,077.85	449.85
For Work In Restricted Working Space, Add	243.79	
For Owner Furnished Material, Deduct	-3,265.22	
22 11 19 00-0216 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	7,515.04	674.77
For Work In Restricted Working Space, Add	365.69	
For Owner Furnished Material, Deduct	-6,296.09	
22 11 19 00-0217 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0155)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0218 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	2,638.24	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,398.78	
22 11 19 00-0219 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,829.85	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,564.18	
22 11 19 00-0220 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,522.02	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-3,123.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0221	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,718.62 243.79 -4,905.99	449.85
22 11 19 00-0222	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,515.04 365.69 -6,296.09	674.77
22 11 19 00-0223			Grooved Double Check Valve Assemblies <small>(22 11 19 00-0139)</small>		
22 11 19 00-0224			Double Check Valve Assemblies With QT Shut-Offs <small>(22 11 19 00-0223)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0225	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,775.82 71.84 -1,536.36	95.79
22 11 19 00-0226	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,972.73 79.70 -1,707.06	106.27
22 11 19 00-0227			N-Patten Double Check Valve Assemblies With QT Shut-Offs <small>(22 11 19 00-0223)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0228	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,313.16 71.84 -2,073.70	95.79
22 11 19 00-0229	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,504.77 79.70 -2,239.10	106.27
22 11 19 00-0230			Reduced Pressure Zone Backflow Preventer Assemblies <small>(22 11 19 00-0138)</small>		
22 11 19 00-0231			Threaded Reduced Pressure Zone Assemblies <small>(22 11 19 00-0230)</small>		
22 11 19 00-0232			Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(22 11 19 00-0231)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0233	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	240.66 14.15 -193.51	18.86
22 11 19 00-0234	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	254.93 15.61 -202.90	20.81
22 11 19 00-0235	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	294.83 16.34 -240.36	21.79
22 11 19 00-0236	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	397.34 23.17 -320.11	30.89
22 11 19 00-0237	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	472.35 28.29 -378.04	37.72
22 11 19 00-0238	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	702.79 32.93 -593.04	43.90
22 11 19 00-0239	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	746.12 37.56 -620.93	50.40
22 11 19 00-0240	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	899.42 48.78 -736.83	65.04
22 11 19 00-0241			Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer <small>(22 11 19 00-0231)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0242	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	264.08 14.15 -216.93	18.86
22 11 19 00-0243	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	279.62 15.61 -227.59	20.81
22 11 19 00-0244	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	328.66 16.34 -274.19	30.89
22 11 19 00-0245	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	450.51 23.17 -373.28	30.89

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0246	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	538.84	37.72
			<i>For Work In Restricted Working Space, Add</i>	28.29	
			<i>For Owner Furnished Material, Deduct</i>	-444.53	
22 11 19 00-0247	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	793.46	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.93	
			<i>For Owner Furnished Material, Deduct</i>	-683.71	
22 11 19 00-0248	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	874.07	50.40
			<i>For Work In Restricted Working Space, Add</i>	37.56	
			<i>For Owner Furnished Material, Deduct</i>	-748.88	
22 11 19 00-0249	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,056.40	65.04
			<i>For Work In Restricted Working Space, Add</i>	48.78	
			<i>For Owner Furnished Material, Deduct</i>	-893.81	
22 11 19 00-0250			Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(22 11 19 00-0231)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0251	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	397.34	30.89
			<i>For Work In Restricted Working Space, Add</i>	23.17	
			<i>For Owner Furnished Material, Deduct</i>	-320.11	
22 11 19 00-0252	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	472.35	37.72
			<i>For Work In Restricted Working Space, Add</i>	28.29	
			<i>For Owner Furnished Material, Deduct</i>	-378.04	
22 11 19 00-0253	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	702.79	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.93	
			<i>For Owner Furnished Material, Deduct</i>	-593.04	
22 11 19 00-0254	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	746.12	50.40
			<i>For Work In Restricted Working Space, Add</i>	37.56	
			<i>For Owner Furnished Material, Deduct</i>	-620.93	
22 11 19 00-0255	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	899.42	65.04
			<i>For Work In Restricted Working Space, Add</i>	48.78	
			<i>For Owner Furnished Material, Deduct</i>	-736.83	
22 11 19 00-0256			Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer <small>(22 11 19 00-0231)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0257	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	450.51	30.89
			<i>For Work In Restricted Working Space, Add</i>	23.17	
			<i>For Owner Furnished Material, Deduct</i>	-373.28	
22 11 19 00-0258	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	538.84	37.72
			<i>For Work In Restricted Working Space, Add</i>	28.29	
			<i>For Owner Furnished Material, Deduct</i>	-444.53	
22 11 19 00-0259	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	793.46	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.93	
			<i>For Owner Furnished Material, Deduct</i>	-683.71	
22 11 19 00-0260	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	874.07	50.40
			<i>For Work In Restricted Working Space, Add</i>	37.56	
			<i>For Owner Furnished Material, Deduct</i>	-748.88	
22 11 19 00-0261	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,056.40	65.04
			<i>For Work In Restricted Working Space, Add</i>	48.78	
			<i>For Owner Furnished Material, Deduct</i>	-893.81	
22 11 19 00-0262			Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(22 11 19 00-0231)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0263	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT).....	581.33	30.89
			<i>For Work In Restricted Working Space, Add</i>	23.17	
			<i>For Owner Furnished Material, Deduct</i>	-504.10	
22 11 19 00-0264	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT).....	689.25	37.72
			<i>For Work In Restricted Working Space, Add</i>	28.29	
			<i>For Owner Furnished Material, Deduct</i>	-594.94	
22 11 19 00-0265	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	1,043.50	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.93	
			<i>For Owner Furnished Material, Deduct</i>	-933.75	
22 11 19 00-0266	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	1,132.08	50.40
			<i>For Work In Restricted Working Space, Add</i>	37.56	
			<i>For Owner Furnished Material, Deduct</i>	-1,006.89	
22 11 19 00-0267	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	1,322.21	65.04
			<i>For Work In Restricted Working Space, Add</i>	48.78	
			<i>For Owner Furnished Material, Deduct</i>	-1,159.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0268 Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer <small>(22 11 19 00-0231)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0269 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S) 652.95 30.89 <i>For Work In Restricted Working Space, Add</i> 23.17 <i>For Owner Furnished Material, Deduct</i> -575.72		
22 11 19 00-0270 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S) 778.10 37.72 <i>For Work In Restricted Working Space, Add</i> 28.29 <i>For Owner Furnished Material, Deduct</i> -683.79		
22 11 19 00-0271 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) 1,166.91 43.90 <i>For Work In Restricted Working Space, Add</i> 32.93 <i>For Owner Furnished Material, Deduct</i> -1,057.16		
22 11 19 00-0272 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) 1,277.86 50.40 <i>For Work In Restricted Working Space, Add</i> 37.56 <i>For Owner Furnished Material, Deduct</i> -1,152.67		
22 11 19 00-0273 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) 1,527.22 65.04 <i>For Work In Restricted Working Space, Add</i> 48.78 <i>For Owner Furnished Material, Deduct</i> -1,364.63		
22 11 19 00-0274 Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0230)</small>		
22 11 19 00-0275 Reduced Pressure Zone Assemblies With NRS Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		
22 11 19 00-0276 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series) 1,999.43 179.61 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -1,759.95		
22 11 19 00-0277 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series) 2,250.77 202.06 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -1,985.10		
22 11 19 00-0278 Reduced Pressure Zone Assemblies With NRS Shut-Off And Strainer <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0279 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) 2,219.99 179.61 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -1,980.51		
22 11 19 00-0280 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) 2,509.90 202.06 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -2,244.23		
22 11 19 00-0281 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0282 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series) 2,137.21 179.61 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -1,897.73		
22 11 19 00-0283 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series) 2,480.55 202.06 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -2,214.88		
22 11 19 00-0284 Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0285 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series) 2,510.62 179.61 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -2,271.14		
22 11 19 00-0286 EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series) 2,868.89 202.06 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -2,603.22		
22 11 19 00-0287 Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		
22 11 19 00-0288 EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series) 961.76 112.25 <i>For Work In Restricted Working Space, Add</i> 44.90 <i>For Owner Furnished Material, Deduct</i> -812.09		
22 11 19 00-0289 EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series) 1,068.32 130.97 <i>For Work In Restricted Working Space, Add</i> 52.76 <i>For Owner Furnished Material, Deduct</i> -892.46		
22 11 19 00-0290 EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series) 1,264.33 153.42 <i>For Work In Restricted Working Space, Add</i> 61.74 <i>For Owner Furnished Material, Deduct</i> -1,058.53		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0291			Reduced Pressure Zone Assemblies With QT Shut-Offs And Strainer <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0292	EA		1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,044.20	112.25
			<i>For Work In Restricted Working Space, Add</i>	44.90	
			<i>For Owner Furnished Material, Deduct</i>	-894.53	
22 11 19 00-0293	EA		1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,333.43	130.97
			<i>For Work In Restricted Working Space, Add</i>	52.76	
			<i>For Owner Furnished Material, Deduct</i>	-1,157.57	
22 11 19 00-0294	EA		2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,407.45	153.42
			<i>For Work In Restricted Working Space, Add</i>	61.74	
			<i>For Owner Furnished Material, Deduct</i>	-1,201.65	
22 11 19 00-0295			Reduced Pressure Zone Assemblies With NRS Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0296	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,489.64	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,250.18	
22 11 19 00-0297	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,806.63	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,540.95	
22 11 19 00-0298	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	3,485.50	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-3,086.59	
22 11 19 00-0299	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	6,052.72	449.85
			<i>For Work In Restricted Working Space, Add</i>	341.33	
			<i>For Owner Furnished Material, Deduct</i>	-4,914.97	
22 11 19 00-0300	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	10,314.27	674.77
			<i>For Work In Restricted Working Space, Add</i>	511.99	
			<i>For Owner Furnished Material, Deduct</i>	-8,607.64	
22 11 19 00-0301	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	12,891.45	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-11,440.33	
22 11 19 00-0302			Reduced Pressure Zone Assemblies With NRS Shut-Off And Strainer <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0303	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	2,692.45	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,452.99	
22 11 19 00-0304	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	3,045.61	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,779.94	
22 11 19 00-0305	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	3,946.21	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-3,547.34	
22 11 19 00-0306	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	6,603.28	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-5,790.65	
22 11 19 00-0307	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	11,300.29	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-10,081.34	
22 11 19 00-0308	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	15,424.74	798.12
			<i>For Work In Restricted Working Space, Add</i>	435.34	
			<i>For Owner Furnished Material, Deduct</i>	-13,973.62	
22 11 19 00-0309			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0310	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	2,573.18	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,333.72	
22 11 19 00-0311	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	2,981.00	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,715.32	
22 11 19 00-0312	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	3,584.44	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-3,185.53	
22 11 19 00-0313	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	5,882.69	449.85
			<i>For Work In Restricted Working Space, Add</i>	243.79	
			<i>For Owner Furnished Material, Deduct</i>	-5,070.06	
22 11 19 00-0314	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	10,072.79	674.77
			<i>For Work In Restricted Working Space, Add</i>	365.69	
			<i>For Owner Furnished Material, Deduct</i>	-8,853.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0315	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,157.11 435.34 -12,705.99	798.12
22 11 19 00-0316			Reduced Pressure Zone Assemblies With NRS Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0317	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,173.29 71.84 -3,933.81	179.61
22 11 19 00-0318	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,707.78 79.70 -4,442.11	202.06
22 11 19 00-0319			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0274)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		
22 11 19 00-0320	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,361.75 71.84 -4,122.27	179.61
22 11 19 00-0321	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,062.04 79.70 -4,796.37	202.06
22 11 19 00-0322			Double Check Detector Assemblies <small>(22 11 19 00-0138)</small>		
22 11 19 00-0323			Flanged Double Check Detector Assemblies With Meter <small>(22 11 19 00-0322)</small>		
22 11 19 00-0324			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0323)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0325	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,682.47 79.70 -3,416.80	202.06
22 11 19 00-0326	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,894.95 119.66 -3,496.08	299.34
22 11 19 00-0327	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,352.42 243.79 -4,539.79	449.85
22 11 19 00-0328	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,424.88 365.69 -8,205.93	674.77
22 11 19 00-0329	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,665.85 435.34 -11,214.73	798.12
22 11 19 00-0330			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0323)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0331	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,770.77 71.84 -2,531.29	179.61
22 11 19 00-0332	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,962.18 79.70 -2,696.51	202.06
22 11 19 00-0333	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,264.69 119.66 -2,865.82	299.34
22 11 19 00-0334	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,533.87 243.79 -3,721.24	449.85
22 11 19 00-0335	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,945.42 365.69 -6,726.47	674.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0336 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,374.01	798.12
<i>For Work In Restricted Working Space, Add</i>	435.34	
<i>For Owner Furnished Material, Deduct</i>	-7,922.89	
22 11 19 00-0337 Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0323)</small>		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0338 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	2,930.04	179.61
<i>For Work In Restricted Working Space, Add</i>	71.84	
<i>For Owner Furnished Material, Deduct</i>	-2,690.56	
22 11 19 00-0339 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,121.46	202.06
<i>For Work In Restricted Working Space, Add</i>	79.70	
<i>For Owner Furnished Material, Deduct</i>	-2,855.79	
22 11 19 00-0340 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,423.93	299.34
<i>For Work In Restricted Working Space, Add</i>	119.66	
<i>For Owner Furnished Material, Deduct</i>	-3,025.06	
22 11 19 00-0341 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,697.12	449.85
<i>For Work In Restricted Working Space, Add</i>	243.79	
<i>For Owner Furnished Material, Deduct</i>	-3,884.49	
22 11 19 00-0342 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,749.55	674.77
<i>For Work In Restricted Working Space, Add</i>	365.69	
<i>For Owner Furnished Material, Deduct</i>	-6,530.60	
22 11 19 00-0343 Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0322)</small>		
22 11 19 00-0344 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0343)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0345 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,720.48	179.61
<i>For Work In Restricted Working Space, Add</i>	71.84	
22 11 19 00-0346 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,911.92	202.06
<i>For Work In Restricted Working Space, Add</i>	79.70	
22 11 19 00-0347 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,214.42	299.34
<i>For Work In Restricted Working Space, Add</i>	119.66	
22 11 19 00-0348 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,483.60	449.85
<i>For Work In Restricted Working Space, Add</i>	243.79	
22 11 19 00-0349 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,895.19	674.77
<i>For Work In Restricted Working Space, Add</i>	365.69	
22 11 19 00-0350 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,323.70	798.12
<i>For Work In Restricted Working Space, Add</i>	435.34	
22 11 19 00-0351 Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0343)</small>		
Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0352 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	2,879.74	179.61
<i>For Work In Restricted Working Space, Add</i>	71.84	
22 11 19 00-0353 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,071.16	202.06
<i>For Work In Restricted Working Space, Add</i>	79.70	
22 11 19 00-0354 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,373.66	299.34
<i>For Work In Restricted Working Space, Add</i>	119.66	
22 11 19 00-0355 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,646.82	449.85
<i>For Work In Restricted Working Space, Add</i>	243.79	
22 11 19 00-0356 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	8,058.44	674.77
<i>For Work In Restricted Working Space, Add</i>	365.69	
22 11 19 00-0357 Flanged Double Check Detector Assemblies <small>(22 11 19 00-0322)</small>		
22 11 19 00-0358 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0357)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0359 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	2,629.48	179.61
<i>For Work In Restricted Working Space, Add</i>	71.84	
<i>For Owner Furnished Material, Deduct</i>	-2,390.00	
22 11 19 00-0360 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	3,175.09	202.06
<i>For Work In Restricted Working Space, Add</i>	79.70	
<i>For Owner Furnished Material, Deduct</i>	-2,909.42	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0361	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	3,555.32	299.34
				<i>For Work In Restricted Working Space, Add</i>	119.66	
				<i>For Owner Furnished Material, Deduct</i>	-3,156.45	
	22 11 19 00-0362	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	4,590.46	449.85
				<i>For Work In Restricted Working Space, Add</i>	243.79	
				<i>For Owner Furnished Material, Deduct</i>	-3,777.83	
	22 11 19 00-0363	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	8,047.76	674.77
				<i>For Work In Restricted Working Space, Add</i>	365.69	
				<i>For Owner Furnished Material, Deduct</i>	-6,828.81	
	22 11 19 00-0364	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	10,783.74	798.12
				<i>For Work In Restricted Working Space, Add</i>	435.34	
				<i>For Owner Furnished Material, Deduct</i>	-9,332.62	
	22 11 19 00-0365	EA		12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	14,325.74	957.74
				<i>For Work In Restricted Working Space, Add</i>	522.40	
				<i>For Owner Furnished Material, Deduct</i>	-12,584.40	
	22 11 19 00-0366			Backflow Preventer Accessories (22 11 19 00-0138)		
	22 11 19 00-0367			Air Gap (22 11 19 00-0366)		
	22 11 19 00-0368	EA		Up To 1" Diameter Air Gap For Backflow Preventer.....	64.60	10.16
	22 11 19 00-0369	EA		1-1/4" To 2" Diameter Air Gap For Backflow Preventer.....	79.27	12.19
	22 11 19 00-0370	EA		2-1/2" To 3" Diameter Air Gap For Backflow Preventer.....	144.25	16.26
	22 11 19 00-0371	EA		4" To 6" Diameter Air Gap For Backflow Preventer.....	282.75	28.45
	22 11 19 00-0372	EA		8" To 10" Diameter Air Gap For Backflow Preventer.....	307.15	40.64
	22 11 19 00-0373			Brass Test Cocks (22 11 19 00-0366)		
	22 11 19 00-0374	EA		1/8" Or 1/4" Brass Test Cock.....	21.26	4.07
	22 11 19 00-0375			Backflow Valve Enclosures (22 11 19 00-0138)		
	22 11 19 00-0376			Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0375)		
				Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
	22 11 19 00-0377	EA		19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	615.81	73.16
				<i>For Heated Enclosure, Add</i>	74.08	
	22 11 19 00-0378	EA		27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	754.00	73.16
				<i>For Heated Enclosure, Add</i>	94.81	
	22 11 19 00-0379	EA		27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	950.99	67.36
				<i>For Heated Enclosure, Add</i>	125.81	
	22 11 19 00-0380	EA		33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	992.02	89.80
				<i>For Heated Enclosure, Add</i>	126.35	
	22 11 19 00-0381	EA		39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,038.88	89.80
				<i>For Heated Enclosure, Add</i>	133.38	
	22 11 19 00-0382	EA		47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,221.53	89.80
				<i>For Heated Enclosure, Add</i>	160.78	
	22 11 19 00-0383	EA		39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,226.34	89.80
				<i>For Heated Enclosure, Add</i>	161.50	
	22 11 19 00-0384	EA		47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,537.56	89.80
				<i>For Heated Enclosure, Add</i>	208.18	
	22 11 19 00-0385	EA		70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	3,527.82	134.70
				<i>For Heated Enclosure, Add</i>	495.50	
	22 11 19 00-0386	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	5,098.36	134.70
				<i>For Heated Enclosure, Add</i>	731.08	
	22 11 19 00-0387	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	4,846.02	134.70
				<i>For Heated Enclosure, Add</i>	693.23	
	22 11 19 00-0388	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	5,833.92	157.15
				<i>For Heated Enclosure, Add</i>	835.80	
	22 11 19 00-0389			One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0375)		
				Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
	22 11 19 00-0390	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	332.93	19.51
				<i>For Heated Enclosure, Add</i>	60.08	
	22 11 19 00-0391	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	460.30	19.51
				<i>For Heated Enclosure, Add</i>	85.56	
	22 11 19 00-0392	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	575.48	17.96
				<i>For Heated Enclosure, Add</i>	109.11	
	22 11 19 00-0393	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	866.28	17.96
				<i>For Heated Enclosure, Add</i>	167.27	
	22 11 19 00-0394	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,238.31	33.67
				<i>For Heated Enclosure, Add</i>	436.44	
	22 11 19 00-0395	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	3,051.82	33.67
				<i>For Heated Enclosure, Add</i>	599.14	
	22 11 19 00-0396	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,036.43	33.67
				<i>For Heated Enclosure, Add</i>	396.06	
	22 11 19 00-0397	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,303.20	33.67
				<i>For Heated Enclosure, Add</i>	449.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0398	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,597.36 708.25	33.67
22 11 19 00-0399			Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0375)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0400	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	4,584.21 651.05	146.33
22 11 19 00-0401	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	5,049.25 720.80	146.33
22 11 19 00-0402	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	3,584.30 503.97	134.70
22 11 19 00-0403	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	3,927.96 555.52	134.70
22 11 19 00-0404	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	4,575.98 641.50	179.61
22 11 19 00-0405	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	5,126.33 724.05	179.61
22 11 19 00-0406	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	5,126.33 724.05	179.61
22 11 19 00-0407	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	5,659.86 804.08	179.61
22 11 19 00-0408	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	4,254.97 598.96	157.15
22 11 19 00-0409	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	4,980.93 702.24	179.61
22 11 19 00-0410	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	5,813.67 827.15	179.61
22 11 19 00-0411	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	6,380.33 909.34	190.83
22 11 19 00-0412	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	6,545.97 930.07	207.31
22 11 19 00-0413	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	7,253.63 1,033.17	219.50
22 11 19 00-0414	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	7,499.74 1,074.45	202.06
22 11 19 00-0415	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	5,453.17 773.07	179.61
22 11 19 00-0416	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	5,810.06 826.61	179.61
22 11 19 00-0417	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	6,571.39 938.00	190.83
22 11 19 00-0418	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	7,957.56 1,143.12	202.06
22 11 19 00-0419	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	6,949.38 991.89	89.80
22 11 19 00-0420	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	8,343.97 1,198.28	89.80
22 11 19 00-0421	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	8,068.80 1,157.00	134.70
22 11 19 00-0422	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	9,359.53 1,345.00	134.70
22 11 19 00-0423	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	8,637.86 1,239.55	134.70
22 11 19 00-0424	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	10,092.00 1,452.06	157.15
22 11 19 00-0425	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	10,129.42 1,452.06	134.70
22 11 19 00-0426	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i>	12,011.36 1,728.74	134.70
22 11 19 00-0427			Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0428			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0427)</small>		
22 11 19 00-0429	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	39.58	8.12
22 11 19 00-0430	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	46.38	8.94
22 11 19 00-0431	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	13.89	6.10
22 11 19 00-0432			Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0427)</small>		
22 11 19 00-0433	EA		3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	96.55	24.88
22 11 19 00-0434			Antisiphon Freezeless Wall Faucet <small>(22 11 19 00-0427)</small>		
22 11 19 00-0435	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	96.46	20.33
22 11 19 00-0436	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	104.58	22.52
22 11 19 00-0437	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	110.66	23.82
22 11 19 00-0438	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	116.73	25.52
22 11 19 00-0439	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	122.89	27.07
22 11 19 00-0440			Escutcheons <small>(22 11 19)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0441				Brass Escutcheons (22 11 19 00-0440)		
22 11 19 00-0442				Shallow Brass Escutcheons (22 11 19 00-0441)		
22 11 19 00-0443	EA			3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	10.33	2.03
22 11 19 00-0444	EA			1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	11.22	2.03
22 11 19 00-0445				Deep Bell Brass Escutcheons (22 11 19 00-0441)		
22 11 19 00-0446	EA			3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	12.38	2.28
22 11 19 00-0447	EA			1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	12.41	2.28
22 11 19 00-0448				Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0441)		
22 11 19 00-0449	EA			3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.32	2.03
22 11 19 00-0450	EA			1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.44	2.03
22 11 19 00-0451	EA			5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.61	2.03
22 11 19 00-0452	EA			3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.23	2.03
22 11 19 00-0453	EA			7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.48	2.44
22 11 19 00-0454	EA			1" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.08	2.44
22 11 19 00-0455	EA			1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.67	2.68
22 11 19 00-0456	EA			1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.39	2.85
22 11 19 00-0457	EA			2" IPS, Chrome Plated Brass Escutcheon With Setscrew	21.61	3.25
22 11 19 00-0458				Plastic Escutcheons (22 11 19 00-0440)		
22 11 19 00-0459				Split-Ring White Plastic Escutcheons (22 11 19 00-0458)		
22 11 19 00-0460	EA			3/8" IPS, Split-Ring White Plastic Escutcheon.....	4.28	2.03
22 11 19 00-0461	EA			1/2" IPS, Split-Ring White Plastic Escutcheon.....	4.28	2.03
22 11 19 00-0462	EA			3/4" IPS, Split-Ring White Plastic Escutcheon.....	4.80	2.27
22 11 19 00-0463	EA			1" IPS, Split-Ring White Plastic Escutcheon.....	5.22	2.43
22 11 19 00-0464	EA			1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	5.64	2.67
22 11 19 00-0465	EA			1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	6.07	2.83
22 11 19 00-0466	EA			2" IPS, Split-Ring White Plastic Escutcheon.....	6.92	3.24
22 11 19 00-0467	EA			2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	7.81	3.49
22 11 19 00-0468	EA			3" IPS, Split-Ring White Plastic Escutcheon.....	8.70	3.65
22 11 19 00-0469	EA			4" IPS, Split-Ring White Plastic Escutcheon.....	10.00	4.05
22 11 19 00-0470				Chrome Plate Plastic Escutcheons (22 11 19 00-0458)		
22 11 19 00-0471	EA			1/2" IPS, Chrome Plate Plastic Escutcheon.....	4.69	2.03
22 11 19 00-0472	EA			3/4" IPS, Chrome Plate Plastic Escutcheon.....	5.15	2.27
22 11 19 00-0473	EA			1" IPS, Chrome Plate Plastic Escutcheon.....	5.67	2.43
22 11 19 00-0474	EA			1-1/4" IPS, Chrome Plate Plastic Escutcheon	6.19	2.67
22 11 19 00-0475	EA			1-1/2" IPS, Chrome Plate Plastic Escutcheon	6.61	2.83
22 11 19 00-0476	EA			2" IPS, Chrome Plate Plastic Escutcheon.....	7.85	3.24
22 11 19 00-0477	EA			2-1/2" IPS, Chrome Plate Plastic Escutcheon	9.48	3.49
22 11 19 00-0478	EA			3" IPS, Chrome Plate Plastic Escutcheon.....	9.93	3.65
22 11 19 00-0479	EA			4" IPS, Chrome Plate Plastic Escutcheon.....	10.85	4.05
22 11 19 00-0480				Stainless Steel Escutcheons (22 11 19 00-0440)		
22 11 19 00-0481				Shallow Stainless Steel Escutcheons (22 11 19 00-0480)		
22 11 19 00-0482	EA			3/8" IPS, Shallow Stainless Steel Escutcheon.....	10.38	2.03
22 11 19 00-0483	EA			1/2" IPS, Shallow Stainless Steel Escutcheon.....	10.38	2.03
22 11 19 00-0484	EA			3/4" IPS, Shallow Stainless Steel Escutcheon.....	14.23	2.28
22 11 19 00-0485				Chrome Plated Steel Escutcheons (22 11 19 00-0440)		
22 11 19 00-0486				Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0485)		
22 11 19 00-0487	EA			1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.40	2.03
22 11 19 00-0488	EA			3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.81	2.27
22 11 19 00-0489	EA			1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.28	2.43
22 11 19 00-0490	EA			1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.68	2.67
22 11 19 00-0491	EA			1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.09	2.83
22 11 19 00-0492	EA			2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.01	3.24
22 11 19 00-0493	EA			2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.79	3.49
22 11 19 00-0494	EA			3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	10.38	3.65
22 11 19 00-0495	EA			3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.45	3.89
22 11 19 00-0496	EA			4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	11.36	4.05
22 11 19 00-0497	EA			5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	14.25	4.46
22 11 19 00-0498	EA			6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	16.43	4.86
22 11 19 00-0499				Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0485)		
22 11 19 00-0500	EA			3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.39	2.03
22 11 19 00-0501	EA			1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.39	2.03
22 11 19 00-0502	EA			3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.88	2.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0503 EA 1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.43	2.43
22 11 19 00-0504 EA 1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.19	2.67
22 11 19 00-0505 EA 1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.70	2.83
22 11 19 00-0506 EA 2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.26	3.24
22 11 19 00-0507 EA 2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.65	3.49
22 11 19 00-0508 EA 3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.92	3.65
22 11 19 00-0509 EA 3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.77	3.89
22 11 19 00-0510 EA 4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.09	4.05
22 11 19 00-0511 EA 5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	27.03	4.46
22 11 19 00-0512 EA 6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	28.32	4.86
22 11 19 00-0513 Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0485)		
22 11 19 00-0514 EA 3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.30	2.28
22 11 19 00-0515 EA 1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.24	2.28
22 11 19 00-0516 EA 3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.12	2.28
22 11 19 00-0517 EA 1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.61	2.44
22 11 19 00-0518 EA 1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.10	2.68
22 11 19 00-0519 EA 1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.67	2.85
22 11 19 00-0520 Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0485)		
22 11 19 00-0521 EA 3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.89	2.03
22 11 19 00-0522 EA 1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.89	2.03
22 11 19 00-0523 EA 3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.94	2.03
22 11 19 00-0524 EA 1" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.26	2.44
22 11 19 00-0525 EA 1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	5.71	2.68
22 11 19 00-0526 EA 1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	6.28	2.85
22 11 19 00-0527 EA 2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.13	3.25
22 11 19 00-0528 Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0529 EA 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	191.17	24.31
22 11 19 00-0530 EA 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	211.53	24.31
22 11 19 00-0531 EA 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	242.08	24.31
22 11 19 00-0532 EA 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	237.91	32.42
22 11 19 00-0533 EA 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	268.46	32.42
22 11 19 00-0534 EA 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	277.62	32.42
22 11 19 00-0535 EA 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	223.75	24.31
22 11 19 00-0536 EA 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	268.55	24.31
22 11 19 00-0537 EA 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	308.26	24.31
22 11 19 00-0538 EA 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	294.93	32.42
22 11 19 00-0539 EA 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	334.64	32.42
22 11 19 00-0540 EA 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	349.92	32.42
22 11 23 Domestic Water Pumps (22 11)		
22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks (22 11 23)		
Note: Includes motor starter and controls.		
22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002 EA 1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,274.28	239.48
22 11 23 13-0003 EA 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,536.20	321.79
22 11 23 13-0004 EA 2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,826.17	404.12
22 11 23 13-0005 EA 3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	5,102.11	486.43
22 11 23 13-0006 EA 5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	5,686.70	588.76
22 11 23 13-0007 EA 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	6,341.42	651.07
22 11 23 13-0008 EA 10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	6,827.80	733.40
22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010 EA 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	11,922.82	969.93
22 11 23 13-0011 EA 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	14,185.04	1,030.56
22 11 23 13-0012 EA 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	16,456.20	1,091.17
22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014 EA 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	15,381.01	1,030.56
22 11 23 13-0015 EA 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	18,905.49	1,091.17
22 11 23 13-0016 EA 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	23,314.88	1,212.42
22 11 23 13-0017 EA 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	29,279.22	1,333.66
22 11 23 13-0018 EA 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	35,243.54	1,454.90
22 11 23 13-0019 EA 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	40,983.81	1,636.77
22 11 23 13-0020 EA 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	46,724.07	1,818.63
22 11 23 13-0021 EA 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	52,464.33	2,000.49
22 11 23 13-0022 EA 5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	58,356.13	2,242.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 23 13-0023

Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....		20,777.16	1,003.86
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....		21,714.92	1,003.86
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....		23,054.87	1,003.86
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....		24,986.39	1,003.86
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....		23,622.05	1,066.60
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....		25,308.19	1,066.60
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....		27,598.13	1,066.60
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....		29,459.39	1,066.60
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....		25,800.04	1,129.34
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....		27,464.80	1,129.34
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....		31,187.34	1,129.34
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....		37,435.01	1,129.34
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....		27,230.61	1,129.34
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....		30,626.31	1,129.34
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....		38,100.92	1,129.34
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....		37,885.06	1,129.34
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....		45,157.14	1,254.81
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....		31,156.89	1,254.81
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....		37,963.55	1,254.81
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....		37,748.71	1,254.81
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....		45,491.11	1,254.81
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....		54,961.38	1,254.81
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....		26,185.83	1,003.86

22 11 23 13-0047

Variable Speed Triplex Domestic Water Pressure Booster Skid (22 11 23 13)

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....		26,185.83	1,003.86
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....		29,258.76	1,003.86
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....		31,910.15	1,003.86
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....		29,415.61	1,066.60
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....		32,048.68	1,066.60
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....		30,030.60	1,066.60
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....		32,294.06	1,066.60
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....		35,406.70	1,066.60
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....		37,986.82	1,066.60
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....		30,336.12	1,129.34
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....		32,599.58	1,129.34
22 11 23 13-0059	EA	300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....		35,711.20	1,129.34
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....		38,291.32	1,129.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0061 EA 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	32,881.62	1,129.34
22 11 23 13-0062 EA 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	35,055.48	1,129.34
22 11 23 13-0063 EA 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	40,426.48	1,129.34
22 11 23 13-0064 EA 360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	49,191.15	1,129.34
22 11 23 13-0065 EA 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	33,639.26	1,254.81
22 11 23 13-0066 EA 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	35,814.13	1,254.81
22 11 23 13-0067 EA 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	41,185.14	1,254.81
22 11 23 13-0068 EA 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	49,948.78	1,254.81
22 11 23 13-0069 EA 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	35,461.84	1,254.81
22 11 23 13-0070 EA 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	40,343.09	1,254.81
22 11 23 13-0071 EA 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	50,946.62	1,254.81
22 11 23 13-0072 EA 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	51,973.98	1,254.81
22 11 23 13-0073 EA 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	64,283.00	1,254.81
22 11 23 13-0074 EA 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	40,218.04	1,505.77
22 11 23 13-0075 EA 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	48,262.83	1,505.77
22 11 23 13-0076 EA 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	51,313.36	1,505.77
22 11 23 13-0077 EA 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	61,777.40	1,505.77
22 11 23 13-0078 EA 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	76,420.14	1,505.77

22 11 23 39 In-Line Centrifugal Domestic Water Booster Pumps (22 11 23)

22 11 23 39-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)

Note: ODP motor.

22 11 23 39-0002 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	587.09	134.70
22 11 23 39-0003 EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	600.33	134.70
22 11 23 39-0004 EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	626.01	137.32
22 11 23 39-0005 EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	684.52	142.93
22 11 23 39-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,158.00	148.25
22 11 23 39-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,228.95	148.25
22 11 23 39-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	1,799.50	163.23
22 11 23 39-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	1,882.33	179.33
22 11 23 39-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,266.30	197.30
22 11 23 39-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,326.21	217.14
22 11 23 39-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,544.59	238.48
22 11 23 39-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	3,595.88	262.45
22 11 23 39-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,125.07	275.17

22 11 23 39-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)

Note: ODP motor.

22 11 23 39-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	604.45	134.70
22 11 23 39-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	951.73	134.70
22 11 23 39-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	957.14	137.32
22 11 23 39-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	974.28	140.31
22 11 23 39-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	979.51	142.93
22 11 23 39-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	999.70	148.25
22 11 23 39-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,209.87	163.23
22 11 23 39-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	1,552.60	197.30
22 11 23 39-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	1,641.45	217.14
22 11 23 39-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	1,906.68	238.48
22 11 23 39-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	2,533.57	262.45
22 11 23 39-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	2,942.49	275.17
22 11 23 39-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	2,690.79	289.02
22 11 23 39-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	2,897.11	317.70
22 11 23 39-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,182.89	336.94
22 11 23 39-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	3,989.27	374.38
22 11 23 39-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,264.66	449.33
22 11 23 39-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	5,408.94	524.36

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 19 00-0001				Steel, Horizontal, Ground-Mounted Water Tanks <small>(22 12 19)</small>		
22 12 19 00-0002	EA			5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	19,917.82	6,918.22
22 12 19 00-0003	EA			10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	21,466.85	6,918.22
22 12 19 00-0004	EA			20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	36,498.61	10,676.29
22 12 19 00-0005	EA			35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	47,179.19	13,836.44
22 12 19 00-0006				Galvanized Steel, Flat Bottom, Vertical Storage Tanks <small>(22 12 19)</small>		
22 12 19 00-0007	EA			5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	22,212.68	6,918.22
22 12 19 00-0008	EA			10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	27,605.60	6,918.22
22 12 19 00-0009	EA			20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	41,756.83	10,676.29
22 12 19 00-0010	EA			35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	57,336.71	13,836.44
22 12 23				Facility Indoor Potable-Water Storage Tanks <small>(22 12)</small>		
22 12 23 13				Facility Steel, Indoor Potable-Water Storage Pressure Tanks <small>(22 12 23)</small>		
22 12 23 13-0001				Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) <small>(22 12 23 13)</small>		
22 12 23 13-0002	EA			80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	1,968.98	299.34
22 12 23 13-0003	EA			119 Gallon Jacketed, Insulated, 150 PSI, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,179.91	374.18
22 12 23 13-0004	EA			140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,603.15	411.59
22 12 23 13-0005	EA			200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	5,092.85	449.01
22 12 23 13-0006	EA			250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	6,746.55	486.43
22 12 23 13-0007	EA			350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	8,807.58	523.85
22 12 23 13-0008	EA			400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	9,909.92	561.27
22 12 23 13-0009	EA			500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	14,017.80	598.68
22 12 23 13-0010	EA			750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	15,233.52	636.10
22 12 23 13-0011	EA			1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	18,181.78	673.52
22 12 23 13-0012				Uninsulated Glass Lined Storage Tank (A.O. Smith T) <small>(22 12 23 13)</small>		
22 12 23 13-0013	EA			80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,669.01	299.34
22 12 23 13-0014	EA			120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	2,682.79	374.18
22 12 23 13-0015	EA			140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	4,126.08	411.59
22 12 23 13-0016	EA			200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,131.43	449.01
22 12 23 13-0017	EA			200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	4,325.32	449.01
22 12 23 13-0018	EA			250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	5,445.82	486.43
22 12 23 13-0019	EA			325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	5,927.50	523.85
22 12 23 13-0020	EA			350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	5,582.31	523.85
22 12 23 13-0021	EA			350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	6,335.46	523.85
22 12 23 13-0022	EA			400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	6,980.70	561.27
22 12 23 13-0023	EA			500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	9,470.30	598.68
22 12 23 13-0024	EA			750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	11,016.80	636.10
22 12 23 13-0025	EA			1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	13,848.76	673.52
22 12 23 26				Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks <small>(22 12 23)</small>		
22 12 23 26-0001				Horizontal Non-Pressurized Polyethylene Tanks <small>(22 12 23 26)</small>		
Note: Excludes excavation and backfill.						
22 12 23 26-0002	EA			100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	412.60	168.38
				<i>For Saddle Assembly, Add</i>	453.30	
22 12 23 26-0003	EA			150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	483.01	196.45
				<i>For Saddle Assembly, Add</i>	453.30	
22 12 23 26-0004	EA			200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	569.93	224.51
				<i>For Saddle Assembly, Add</i>	509.40	
22 12 23 26-0005	EA			300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	686.55	252.57
				<i>For Saddle Assembly, Add</i>	728.30	
22 12 23 26-0006	EA			335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	815.27	280.64
				<i>For Two Tie Down Bands, Add</i>	266.25	
22 12 23 26-0007	EA			535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,054.61	377.72
				<i>For Two Tie Down Bands, Add</i>	281.65	
22 12 23 26-0008	EA			1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,531.55	440.66
				<i>For Three Tie Down Bands, Add</i>	471.98	
22 12 23 26-0009	EA			1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,161.97	503.62
				<i>For Three Tie Down Bands, Add</i>	475.28	
22 12 23 26-0010	EA			1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,676.01	566.56
				<i>For Four Tie Down Bands, Add</i>	642.50	
22 12 23 26-0011	EA			2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,122.35	629.52
				<i>For Four Tie Down Bands, Add</i>	866.90	
22 12 23 26-0012	EA			2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,388.29	692.48
				<i>For Four Tie Down Bands, Add</i>	1,113.30	

22 Plumbing
22 10 Plumbing Piping
22 12 Facility Potable-Water Storage Tanks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0013	EA		3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	5,066.23 1,196.90	755.42
22 12 23 26-0014	EA		4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	7,248.97 1,342.10	1,007.24
22 12 23 26-0015	EA		5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Five Tie Down Bands, Add</i>	9,270.67 2,079.12	1,007.24
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)					
22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	465.43	224.51
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	549.05	238.54
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	599.65	252.57
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	717.37	280.64
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	824.10	336.76
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	971.54	392.89
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,335.87	503.62
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,721.55	629.52
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,281.03	755.42
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,943.89	881.32
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,226.07	1,007.24
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,638.03	1,133.14
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	6,382.31	1,259.04
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	7,031.98	1,384.94
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,071.05	1,510.84
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,091.43	1,636.75
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,156.79	1,762.66
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,384.54	2,014.46

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001

Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0285 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002

Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	679.44	
22 13 13 00-0004	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	882.23	
22 13 13 00-0005	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	621.78	
22 13 13 00-0006	EA		Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	399.27	
22 13 13 00-0007	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	470.28	
22 13 13 00-0008	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	604.43	
22 13 13 00-0009	EA		Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	639.36	
22 13 13 00-0010	EA		Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	387.05	
22 13 13 00-0011	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	621.78	
22 13 13 00-0012	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	642.45	
22 13 13 00-0013	EA		Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	605.02	
22 13 13 00-0014	EA		Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	679.44	
22 13 13 00-0015	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,062.79	
22 13 13 00-0016	EA		Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	658.09	

22 13 13 00-0017

Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 876.71 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	876.71	
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 1,182.46 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,182.46	
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 757.70 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	757.70	
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 473.45 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	473.45	
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 642.52 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	642.52	
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 679.49 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	679.49	
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 449.18 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	449.18	
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 765.17 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	765.17	
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 674.77 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	674.77	
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 656.08 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	656.08	
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 876.71 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	876.71	
22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 438.01 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	438.01	
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 591.23 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	591.23	
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 379.22 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	379.22	
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 237.09 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	237.09	
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 321.28 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	321.28	
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 339.73 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	339.73	
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 243.29 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	243.29	
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet 382.22 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	382.22	
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 337.38 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	337.38	
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 328.39 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	328.39	
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 432.76 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	432.76	
22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 333.66 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	333.66	
22 13 13 00-0043 EA Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 313.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	313.12	
22 13 13 00-0044 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 326.55 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	326.55	
22 13 13 00-0045 EA Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 186.71 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	186.71	
22 13 13 00-0046 EA Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 217.88 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	217.88	
22 13 13 00-0047 EA Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 310.35 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	310.35	
22 13 13 00-0048 EA Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 303.34 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	303.34	
22 13 13 00-0049 EA Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 188.04 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	188.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0050 EA Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....326.55 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	326.55	
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....354.47 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	354.47	
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....321.66 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	321.66	
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....333.57 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	333.57	
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....509.73 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	509.73	
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....319.70 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	319.70	
22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057 EA Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....385.74 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	385.74	
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....405.32 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	405.32	
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....337.36 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	337.36	
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....195.73 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	195.73	
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....309.27 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	309.27	
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....319.49 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	319.49	
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....195.60 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	195.60	
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....344.00 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	344.00	
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....358.40 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	358.40	
22 13 13 00-0066 EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....341.70 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	341.70	
22 13 13 00-0067 EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....385.74 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	385.74	
22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....192.57 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	192.57	
22 13 13 00-0070 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....202.29 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	202.29	
22 13 13 00-0071 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....168.89 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	168.89	
22 13 13 00-0072 EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....97.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	97.90	
22 13 13 00-0073 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....154.62 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	154.62	
22 13 13 00-0074 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....159.56 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	159.56	
22 13 13 00-0075 EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....97.80 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	97.80	
22 13 13 00-0076 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....171.93 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	171.93	
22 13 13 00-0077 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....179.22 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	179.22	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	171.17	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	187.60	
22 13 16 Sanitary Waste And Vent Piping (22 13)				
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies (22 13 16)		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	22.28	4.71
		<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	31.74	7.11
		<i>For Work In Restricted Working Space, Add</i>	4.69	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	41.16	9.06
		<i>For Work In Restricted Working Space, Add</i>	6.04	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	48.35	11.32
		<i>For Work In Restricted Working Space, Add</i>	6.37	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	56.61	12.34
		<i>For Work In Restricted Working Space, Add</i>	7.07	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	89.09	17.47
		<i>For Work In Restricted Working Space, Add</i>	9.89	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	129.39	17.47
		<i>For Work In Restricted Working Space, Add</i>	11.20	
22 13 16 00-0010		Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.73	4.49
		<i>For Work In Restricted Working Space, Add</i>	3.75	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	21.97	4.78
		<i>For Work In Restricted Working Space, Add</i>	4.04	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.82	6.96
		<i>For Work In Restricted Working Space, Add</i>	5.19	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	35.63	9.06
		<i>For Work In Restricted Working Space, Add</i>	6.39	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	58.46	11.10
		<i>For Work In Restricted Working Space, Add</i>	10.60	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	64.89	12.12
		<i>For Work In Restricted Working Space, Add</i>	11.33	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	105.78	17.32
		<i>For Work In Restricted Working Space, Add</i>	18.04	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	118.72	19.68
		<i>For Work In Restricted Working Space, Add</i>	13.14	
22 13 16 00-0019		Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe .....15.74	15.74	4.71
For Extra Heavy Pipe, Add	3.62	
For Above Ground Cast Iron Pipe Installation, Add	0.36	
For Work In Restricted Working Space, Add	2.14	
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe .....23.03	23.03	7.11
For Extra Heavy Pipe, Add	5.18	
For Above Ground Cast Iron Pipe Installation, Add	0.53	
For Work In Restricted Working Space, Add	3.21	
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe .....29.65	29.65	9.06
For Extra Heavy Pipe, Add	6.74	
For Above Ground Cast Iron Pipe Installation, Add	0.68	
For Work In Restricted Working Space, Add	4.08	
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe .....39.57	39.57	11.32
For Extra Heavy Pipe, Add	9.51	
For Above Ground Cast Iron Pipe Installation, Add	0.85	
For Work In Restricted Working Space, Add	5.08	
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe .....46.04	46.04	12.34
For Extra Heavy Pipe, Add	11.58	
For Above Ground Cast Iron Pipe Installation, Add	0.92	
For Work In Restricted Working Space, Add	5.54	
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe .....69.09	69.09	17.47
For Extra Heavy Pipe, Add	18.01	
For Above Ground Cast Iron Pipe Installation, Add	1.31	
For Work In Restricted Working Space, Add	7.86	
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe .....100.87	100.87	19.68
For Extra Heavy Pipe, Add	29.98	
For Above Ground Cast Iron Pipe Installation, Add	1.47	
For Work In Restricted Working Space, Add	8.85	
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe .....143.01	143.01	26.24
For Extra Heavy Pipe, Add	43.55	
For Above Ground Cast Iron Pipe Installation, Add	1.97	
For Work In Restricted Working Space, Add	11.79	
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe .....198.74	198.74	31.47
For Extra Heavy Pipe, Add	63.66	
For Above Ground Cast Iron Pipe Installation, Add	2.36	
For Work In Restricted Working Space, Add	14.15	
22 13 16 00-0030 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep .....66.13	66.13	21.48
For Extra Heavy Fittings, Add	11.88	
For Above Ground Cast Iron Pipe Installation, Add	1.61	
For Work In Restricted Working Space, Add	9.65	
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep .....109.33	109.33	27.02
For Extra Heavy Fittings, Add	24.11	
For Above Ground Cast Iron Pipe Installation, Add	2.02	
For Work In Restricted Working Space, Add	12.14	
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep .....145.66	145.66	35.92
For Extra Heavy Fittings, Add	32.14	
For Above Ground Cast Iron Pipe Installation, Add	2.69	
For Work In Restricted Working Space, Add	16.15	
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep .....226.37	226.37	47.88
For Extra Heavy Fittings, Add	54.11	
For Above Ground Cast Iron Pipe Installation, Add	3.59	
For Work In Restricted Working Space, Add	21.53	
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep .....436.93	436.93	61.47
For Extra Heavy Fittings, Add	120.68	
For Above Ground Cast Iron Pipe Installation, Add	4.61	
For Work In Restricted Working Space, Add	27.64	
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep .....594.98	594.98	75.63
For Extra Heavy Fittings, Add	168.55	
For Above Ground Cast Iron Pipe Installation, Add	5.67	
For Work In Restricted Working Space, Add	34.02	
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep .....909.10	909.10	105.55
For Extra Heavy Fittings, Add	262.79	
For Above Ground Cast Iron Pipe Installation, Add	7.91	
For Work In Restricted Working Space, Add	47.48	
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep .....1,672.53	1,672.53	146.98
For Extra Heavy Fittings, Add	508.26	
For Above Ground Cast Iron Pipe Installation, Add	11.02	
For Work In Restricted Working Space, Add	66.11	
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep .....57.17	57.17	21.48
For Extra Heavy Fittings, Add	8.75	
For Above Ground Cast Iron Pipe Installation, Add	1.61	
For Work In Restricted Working Space, Add	9.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep	94.29	27.02
			<i>For Extra Heavy Fittings, Add</i>	18.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep	128.74	35.92
			<i>For Extra Heavy Fittings, Add</i>	26.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep	190.51	40.71
			<i>For Extra Heavy Fittings, Add</i>	45.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.05	
			<i>For Work In Restricted Working Space, Add</i>	18.30	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep	229.60	47.88
			<i>For Extra Heavy Fittings, Add</i>	55.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.59	
			<i>For Work In Restricted Working Space, Add</i>	21.53	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep	372.10	61.47
			<i>For Extra Heavy Fittings, Add</i>	97.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.61	
			<i>For Work In Restricted Working Space, Add</i>	27.64	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep	539.66	75.63
			<i>For Extra Heavy Fittings, Add</i>	149.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	34.02	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep	888.47	105.55
			<i>For Extra Heavy Fittings, Add</i>	255.57	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.91	
			<i>For Work In Restricted Working Space, Add</i>	47.48	
22 13 16 00-0049			Bell And Spigot Cast Iron 1/4 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend	52.07	21.40
			<i>For Extra Heavy Fittings, Add</i>	6.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend	76.03	24.09
			<i>For Extra Heavy Fittings, Add</i>	13.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend	107.98	32.10
			<i>For Extra Heavy Fittings, Add</i>	20.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	14.44	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend	134.86	36.35
			<i>For Extra Heavy Fittings, Add</i>	28.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.72	
			<i>For Work In Restricted Working Space, Add</i>	16.34	
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend	162.16	43.53
			<i>For Extra Heavy Fittings, Add</i>	33.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	19.59	
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend	325.18	56.61
			<i>For Extra Heavy Fittings, Add</i>	84.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.24	
			<i>For Work In Restricted Working Space, Add</i>	25.46	
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend	474.82	68.70
			<i>For Extra Heavy Fittings, Add</i>	130.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.15	
			<i>For Work In Restricted Working Space, Add</i>	30.89	
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend	622.96	81.08
			<i>For Extra Heavy Fittings, Add</i>	175.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.08	
			<i>For Work In Restricted Working Space, Add</i>	36.47	
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend	1,566.45	127.88
			<i>For Extra Heavy Fittings, Add</i>	481.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.59	
			<i>For Work In Restricted Working Space, Add</i>	57.51	
22 13 16 00-0059			Bell And Spigot Cast Iron 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend	48.11	21.48
			<i>For Extra Heavy Fittings, Add</i>	5.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend	73.33	27.02
			<i>For Extra Heavy Fittings, Add</i>	11.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend	103.72	35.92
			<i>For Extra Heavy Fittings, Add</i>	17.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend	131.08	45.49
			<i>For Extra Heavy Fittings, Add</i>	22.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend	150.98	50.72
			<i>For Extra Heavy Fittings, Add</i>	26.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.80	
			<i>For Work In Restricted Working Space, Add</i>	22.82	
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend	289.08	67.81
			<i>For Extra Heavy Fittings, Add</i>	65.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	30.50	
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend	400.72	83.66
			<i>For Extra Heavy Fittings, Add</i>	96.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.27	
			<i>For Work In Restricted Working Space, Add</i>	37.64	
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend	638.93	108.50
			<i>For Extra Heavy Fittings, Add</i>	166.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.13	
			<i>For Work In Restricted Working Space, Add</i>	48.79	
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend	1,198.73	127.88
			<i>For Extra Heavy Fittings, Add</i>	352.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.59	
			<i>For Work In Restricted Working Space, Add</i>	57.51	
22 13 16 00-0069			Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye	87.29	47.97
			<i>For Extra Heavy Fittings, Add</i>	5.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye	107.49	52.54
			<i>For Extra Heavy Fittings, Add</i>	10.05	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye	141.40	68.85
			<i>For Extra Heavy Fittings, Add</i>	13.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye	181.06	78.29
			<i>For Extra Heavy Fittings, Add</i>	22.28	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.87	
			<i>For Work In Restricted Working Space, Add</i>	35.22	
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye	225.41	92.80
			<i>For Extra Heavy Fittings, Add</i>	30.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.96	
			<i>For Work In Restricted Working Space, Add</i>	41.75	
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye	397.18	123.83
			<i>For Extra Heavy Fittings, Add</i>	74.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.28	
			<i>For Work In Restricted Working Space, Add</i>	55.70	
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye	546.33	140.49
			<i>For Extra Heavy Fittings, Add</i>	117.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.53	
			<i>For Work In Restricted Working Space, Add</i>	63.18	
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye	796.47	171.01
			<i>For Extra Heavy Fittings, Add</i>	189.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.82	
			<i>For Work In Restricted Working Space, Add</i>	76.91	
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye	1,212.47	191.87
			<i>For Extra Heavy Fittings, Add</i>	323.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.38	
			<i>For Work In Restricted Working Space, Add</i>	86.30	
22 13 16 00-0079			Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye	130.31	50.14
			<i>For Extra Heavy Fittings, Add</i>	19.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.76	
			<i>For Work In Restricted Working Space, Add</i>	22.56	
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	158.90	61.97
			<i>For Extra Heavy Fittings, Add</i>	23.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.65	
			<i>For Work In Restricted Working Space, Add</i>	27.88	
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	175.61	63.54
			<i>For Extra Heavy Fittings, Add</i>	28.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.77	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	258.44	83.15
			<i>For Extra Heavy Fittings, Add</i>	46.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.23	
			<i>For Work In Restricted Working Space, Add</i>	37.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	264.94	84.67
			<i>For Extra Heavy Fittings, Add</i>	48.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.35	
			<i>For Work In Restricted Working Space, Add</i>	38.09	
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye	277.87	90.33
			<i>For Extra Heavy Fittings, Add</i>	49.85	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	40.63	
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye	397.50	99.59
			<i>For Extra Heavy Fittings, Add</i>	86.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.46	
			<i>For Work In Restricted Working Space, Add</i>	44.78	
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye	414.70	101.50
			<i>For Extra Heavy Fittings, Add</i>	91.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	45.64	
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye	425.44	106.29
			<i>For Extra Heavy Fittings, Add</i>	93.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.97	
			<i>For Work In Restricted Working Space, Add</i>	47.81	
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	500.40	118.24
			<i>For Extra Heavy Fittings, Add</i>	113.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.87	
			<i>For Work In Restricted Working Space, Add</i>	53.19	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	606.15	110.79
			<i>For Extra Heavy Fittings, Add</i>	154.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.31	
			<i>For Work In Restricted Working Space, Add</i>	49.83	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	630.69	115.66
			<i>For Extra Heavy Fittings, Add</i>	160.04	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.67	
			<i>For Work In Restricted Working Space, Add</i>	52.03	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	690.37	127.88
			<i>For Extra Heavy Fittings, Add</i>	174.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.59	
			<i>For Work In Restricted Working Space, Add</i>	57.51	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	902.43	135.63
			<i>For Extra Heavy Fittings, Add</i>	244.68	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	61.00	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	927.60	135.63
			<i>For Extra Heavy Fittings, Add</i>	253.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	61.00	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	967.25	146.98
			<i>For Extra Heavy Fittings, Add</i>	261.41	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.02	
			<i>For Work In Restricted Working Space, Add</i>	66.11	
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,130.13	154.27
			<i>For Extra Heavy Fittings, Add</i>	314.61	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.56	
			<i>For Work In Restricted Working Space, Add</i>	69.38	
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,364.87	158.85
			<i>For Extra Heavy Fittings, Add</i>	394.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.91	
			<i>For Work In Restricted Working Space, Add</i>	71.45	
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye	2,221.79	149.78
			<i>For Extra Heavy Fittings, Add</i>	699.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.23	
			<i>For Work In Restricted Working Space, Add</i>	67.37	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye	2,320.59	162.09
			<i>For Extra Heavy Fittings, Add</i>	727.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.15	
			<i>For Work In Restricted Working Space, Add</i>	72.92	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye	2,369.28	169.09
			<i>For Extra Heavy Fittings, Add</i>	740.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.68	
			<i>For Work In Restricted Working Space, Add</i>	76.06	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye	2,425.01	174.84
			<i>For Extra Heavy Fittings, Add</i>	757.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.10	
			<i>For Work In Restricted Working Space, Add</i>	78.63	
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye	2,488.09	185.01
			<i>For Extra Heavy Fittings, Add</i>	773.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.87	
			<i>For Work In Restricted Working Space, Add</i>	83.21	
22 13 16 00-0103			Bell And Spigot Cast Iron Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	93.85	47.97
			<i>For Extra Heavy Fittings, Add</i>	7.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	111.54	52.54
			<i>For Extra Heavy Fittings, Add</i>	11.47	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	148.45	68.85
			<i>For Extra Heavy Fittings, Add</i>	15.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	205.09	82.13
			<i>For Extra Heavy Fittings, Add</i>	28.70	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.16	
			<i>For Work In Restricted Working Space, Add</i>	36.93	
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	256.51	101.87
			<i>For Extra Heavy Fittings, Add</i>	36.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.64	
			<i>For Work In Restricted Working Space, Add</i>	45.81	
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	452.60	133.35
			<i>For Extra Heavy Fittings, Add</i>	88.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.99	
			<i>For Work In Restricted Working Space, Add</i>	59.97	
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	647.65	174.84
			<i>For Extra Heavy Fittings, Add</i>	134.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.10	
			<i>For Work In Restricted Working Space, Add</i>	78.63	
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	865.32	224.75
			<i>For Extra Heavy Fittings, Add</i>	184.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.85	
			<i>For Work In Restricted Working Space, Add</i>	101.09	
22 13 16 00-0112			Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	99.76	50.14
			<i>For Extra Heavy Fittings, Add</i>	8.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.76	
			<i>For Work In Restricted Working Space, Add</i>	22.56	
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	138.07	61.97
			<i>For Extra Heavy Fittings, Add</i>	15.80	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.65	
			<i>For Work In Restricted Working Space, Add</i>	27.88	
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	148.11	63.54
			<i>For Extra Heavy Fittings, Add</i>	18.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.77	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	219.00	83.15
			<i>For Extra Heavy Fittings, Add</i>	33.04	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.23	
			<i>For Work In Restricted Working Space, Add</i>	37.38	
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	227.50	84.67
			<i>For Extra Heavy Fittings, Add</i>	35.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.35	
			<i>For Work In Restricted Working Space, Add</i>	38.09	
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	241.35	90.33
			<i>For Extra Heavy Fittings, Add</i>	37.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	40.63	
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	324.25	99.59
			<i>For Extra Heavy Fittings, Add</i>	61.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.46	
			<i>For Work In Restricted Working Space, Add</i>	44.78	
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	334.35	106.29
			<i>For Extra Heavy Fittings, Add</i>	61.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.97	
			<i>For Work In Restricted Working Space, Add</i>	47.81	
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	417.51	118.24
			<i>For Extra Heavy Fittings, Add</i>	84.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.87	
			<i>For Work In Restricted Working Space, Add</i>	53.19	
22 13 16 00-0122			Bell And Spigot Cast Iron Double Wyes <small>(22 13 16 00-0030)</small>		
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye	146.56	57.39
			<i>For Extra Heavy Fittings, Add</i>	21.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.30	
			<i>For Work In Restricted Working Space, Add</i>	25.81	
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye	210.10	72.36
			<i>For Extra Heavy Fittings, Add</i>	35.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.42	
			<i>For Work In Restricted Working Space, Add</i>	32.54	
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye	283.20	91.52
			<i>For Extra Heavy Fittings, Add</i>	51.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.86	
			<i>For Work In Restricted Working Space, Add</i>	41.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0126	EA			6" Bell And Spigot Cast Iron Double Wye.....	537.50	142.57
				<i>For Extra Heavy Fittings, Add</i>	113.31	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.69	
				<i>For Work In Restricted Working Space, Add</i>	64.13	
22 13 16 00-0127	EA			8" Bell And Spigot Cast Iron Double Wye.....	1,038.93	167.40
				<i>For Extra Heavy Fittings, Add</i>	275.80	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.55	
				<i>For Work In Restricted Working Space, Add</i>	75.28	
22 13 16 00-0128	EA			10" Bell And Spigot Cast Iron Double Wye.....	1,366.41	187.30
				<i>For Extra Heavy Fittings, Add</i>	379.96	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.04	
				<i>For Work In Restricted Working Space, Add</i>	84.24	
22 13 16 00-0129	EA			12" Bell And Spigot Cast Iron Double Wye.....	976.06	224.75
				<i>For Extra Heavy Fittings, Add</i>	223.68	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.85	
				<i>For Work In Restricted Working Space, Add</i>	101.09	
22 13 16 00-0130	EA			15" Bell And Spigot Cast Iron Double Wye.....	2,632.36	235.88
				<i>For Extra Heavy Fittings, Add</i>	797.49	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.69	
				<i>For Work In Restricted Working Space, Add</i>	106.15	
22 13 16 00-0131				Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132	EA			3" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	137.51	67.88
				<i>For Extra Heavy Fittings, Add</i>	12.50	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.09	
				<i>For Work In Restricted Working Space, Add</i>	30.54	
22 13 16 00-0133	EA			4" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	159.53	77.98
				<i>For Extra Heavy Fittings, Add</i>	14.91	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.85	
				<i>For Work In Restricted Working Space, Add</i>	35.08	
22 13 16 00-0134	EA			4" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	172.05	81.79
				<i>For Extra Heavy Fittings, Add</i>	17.28	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.13	
				<i>For Work In Restricted Working Space, Add</i>	36.81	
22 13 16 00-0135	EA			6" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	221.92	98.89
				<i>For Extra Heavy Fittings, Add</i>	25.78	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.41	
				<i>For Work In Restricted Working Space, Add</i>	44.48	
22 13 16 00-0136	EA			6" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	234.58	102.66
				<i>For Extra Heavy Fittings, Add</i>	28.24	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.70	
				<i>For Work In Restricted Working Space, Add</i>	46.17	
22 13 16 00-0137	EA			6" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	268.03	111.96
				<i>For Extra Heavy Fittings, Add</i>	35.06	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.39	
				<i>For Work In Restricted Working Space, Add</i>	50.36	
22 13 16 00-0138	EA			8" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	415.78	128.99
				<i>For Extra Heavy Fittings, Add</i>	77.85	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.67	
				<i>For Work In Restricted Working Space, Add</i>	58.00	
22 13 16 00-0139	EA			8" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	456.55	152.65
				<i>For Extra Heavy Fittings, Add</i>	79.67	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.45	
				<i>For Work In Restricted Working Space, Add</i>	68.67	
22 13 16 00-0140	EA			10" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	443.12	137.98
				<i>For Extra Heavy Fittings, Add</i>	62.67	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.35	
				<i>For Work In Restricted Working Space, Add</i>	62.07	
22 13 16 00-0141	EA			10" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	516.80	162.09
				<i>For Extra Heavy Fittings, Add</i>	95.81	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.15	
				<i>For Work In Restricted Working Space, Add</i>	72.92	
22 13 16 00-0142	EA			10" x 8" Bell And Spigot Cast Iron Reducing Double Wye.....	629.91	176.68
				<i>For Extra Heavy Fittings, Add</i>	127.75	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.25	
				<i>For Work In Restricted Working Space, Add</i>	79.47	
22 13 16 00-0143	EA			12" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	643.49	180.74
				<i>For Extra Heavy Fittings, Add</i>	130.37	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.55	
				<i>For Work In Restricted Working Space, Add</i>	81.30	
22 13 16 00-0144	EA			12" x 8" Bell And Spigot Cast Iron Reducing Double Wye.....	812.21	196.66
				<i>For Extra Heavy Fittings, Add</i>	181.08	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.74	
				<i>For Work In Restricted Working Space, Add</i>	88.45	
22 13 16 00-0145				Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0146	EA			2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend.....	124.86	57.39
				<i>For Extra Heavy Fittings, Add</i>	13.59	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.30	
				<i>For Work In Restricted Working Space, Add</i>	25.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	168.02	76.78
For Extra Heavy Fittings, Add	18.51	
For Above Ground Cast Iron Pipe Installation, Add	5.76	
For Work In Restricted Working Space, Add	34.54	
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	218.35	96.01
For Extra Heavy Fittings, Add	26.05	
For Above Ground Cast Iron Pipe Installation, Add	7.20	
For Work In Restricted Working Space, Add	43.18	
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	469.66	159.34
For Extra Heavy Fittings, Add	80.77	
For Above Ground Cast Iron Pipe Installation, Add	11.95	
For Work In Restricted Working Space, Add	71.67	
22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	164.59	68.85
For Extra Heavy Fittings, Add	21.49	
For Above Ground Cast Iron Pipe Installation, Add	5.16	
For Work In Restricted Working Space, Add	30.96	
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	194.29	77.98
For Extra Heavy Fittings, Add	27.08	
For Above Ground Cast Iron Pipe Installation, Add	5.85	
For Work In Restricted Working Space, Add	35.08	
22 13 16 00-0153 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	217.89	86.81
For Extra Heavy Fittings, Add	30.73	
For Above Ground Cast Iron Pipe Installation, Add	6.51	
For Work In Restricted Working Space, Add	39.03	
22 13 16 00-0154 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	424.56	118.84
For Extra Heavy Fittings, Add	86.22	
For Above Ground Cast Iron Pipe Installation, Add	8.91	
For Work In Restricted Working Space, Add	53.46	
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0156 EA 2" Bell And Spigot Cast Iron Sanitary Tee	102.29	48.05
For Extra Heavy Fittings, Add	10.59	
For Above Ground Cast Iron Pipe Installation, Add	3.60	
For Work In Restricted Working Space, Add	21.61	
22 13 16 00-0157 EA 3" Bell And Spigot Cast Iron Sanitary Tee	115.74	52.54
For Extra Heavy Fittings, Add	12.94	
For Above Ground Cast Iron Pipe Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.63	
22 13 16 00-0158 EA 4" Bell And Spigot Cast Iron Sanitary Tee	180.66	64.35
For Extra Heavy Fittings, Add	29.44	
For Above Ground Cast Iron Pipe Installation, Add	4.83	
For Work In Restricted Working Space, Add	28.96	
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee	258.38	72.41
For Extra Heavy Fittings, Add	52.42	
For Above Ground Cast Iron Pipe Installation, Add	5.43	
For Work In Restricted Working Space, Add	32.59	
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee	309.93	86.85
For Extra Heavy Fittings, Add	62.90	
For Above Ground Cast Iron Pipe Installation, Add	6.51	
For Work In Restricted Working Space, Add	39.07	
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee	642.83	113.15
For Extra Heavy Fittings, Add	165.61	
For Above Ground Cast Iron Pipe Installation, Add	8.48	
For Work In Restricted Working Space, Add	50.90	
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee	956.35	137.98
For Extra Heavy Fittings, Add	262.30	
For Above Ground Cast Iron Pipe Installation, Add	10.35	
For Work In Restricted Working Space, Add	62.07	
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee	1,413.74	162.09
For Extra Heavy Fittings, Add	409.74	
For Above Ground Cast Iron Pipe Installation, Add	12.15	
For Work In Restricted Working Space, Add	72.92	
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	133.18	50.14
For Extra Heavy Fittings, Add	20.30	
For Above Ground Cast Iron Pipe Installation, Add	3.76	
For Work In Restricted Working Space, Add	22.56	
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	157.51	58.74
For Extra Heavy Fittings, Add	24.31	
For Above Ground Cast Iron Pipe Installation, Add	4.40	
For Work In Restricted Working Space, Add	26.42	
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	164.20	58.74
For Extra Heavy Fittings, Add	26.65	
For Above Ground Cast Iron Pipe Installation, Add	4.40	
For Work In Restricted Working Space, Add	26.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.52 43.72 6.23 37.38	83.15
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.20 46.28 6.35 38.09	84.67
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.74 50.86 6.77 40.63	90.33
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	463.36 106.39 7.97 47.81	106.29
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	577.19 139.96 8.87 53.19	118.24
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.64 6.19 3.60 21.59	47.97
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.56 10.77 3.94 23.63	52.54
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.91 14.60 5.16 30.96	68.85
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.33 21.78 6.16 36.93	82.13
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.87 28.06 7.64 45.81	101.87
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	386.45 65.30 9.99 59.97	133.35
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.72 6.92 3.60 21.59	47.97
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.12 7.82 3.94 23.63	52.54
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.73 9.64 5.16 30.96	68.85
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.02 7.37 3.60 21.59	47.97
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.60 8.69 3.94 23.63	52.54
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.98 11.82 5.16 30.96	68.85
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.63 3.91 2.02 12.14	27.02

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer	65.15	35.62
			<i>For Extra Heavy Fittings, Add</i>	4.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	16.04	
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer	69.04	35.92
			<i>For Extra Heavy Fittings, Add</i>	5.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer	88.04	43.97
			<i>For Extra Heavy Fittings, Add</i>	7.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.30	
			<i>For Work In Restricted Working Space, Add</i>	19.79	
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer	91.65	44.55
			<i>For Extra Heavy Fittings, Add</i>	8.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	20.05	
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer	94.44	45.49
			<i>For Extra Heavy Fittings, Add</i>	9.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer	118.74	46.88
			<i>For Extra Heavy Fittings, Add</i>	16.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer	135.06	57.42
			<i>For Extra Heavy Fittings, Add</i>	17.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.30	
			<i>For Work In Restricted Working Space, Add</i>	25.83	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer	138.61	58.89
			<i>For Extra Heavy Fittings, Add</i>	17.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.42	
			<i>For Work In Restricted Working Space, Add</i>	26.50	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer	143.35	61.47
			<i>For Extra Heavy Fittings, Add</i>	17.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.61	
			<i>For Work In Restricted Working Space, Add</i>	27.64	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer	176.75	68.99
			<i>For Extra Heavy Fittings, Add</i>	25.65	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.17	
			<i>For Work In Restricted Working Space, Add</i>	31.04	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer	186.27	72.46
			<i>For Extra Heavy Fittings, Add</i>	27.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.43	
			<i>For Work In Restricted Working Space, Add</i>	32.60	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer	198.00	75.63
			<i>For Extra Heavy Fittings, Add</i>	29.61	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	34.02	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer	242.50	81.97
			<i>For Extra Heavy Fittings, Add</i>	41.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	36.86	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer	271.79	95.90
			<i>For Extra Heavy Fittings, Add</i>	44.79	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.19	
			<i>For Work In Restricted Working Space, Add</i>	43.15	
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer	295.56	109.24
			<i>For Extra Heavy Fittings, Add</i>	46.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	49.14	
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer	325.59	125.83
			<i>For Extra Heavy Fittings, Add</i>	47.93	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	56.59	
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer	414.20	125.83
			<i>For Extra Heavy Fittings, Add</i>	78.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	56.59	
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer	441.24	135.63
			<i>For Extra Heavy Fittings, Add</i>	83.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	61.00	
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer	459.98	142.99
			<i>For Extra Heavy Fittings, Add</i>	85.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.72	
			<i>For Work In Restricted Working Space, Add</i>	64.33	
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer	485.25	152.65
			<i>For Extra Heavy Fittings, Add</i>	89.72	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.45	
			<i>For Work In Restricted Working Space, Add</i>	68.67	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0211	EA			2" Bell And Spigot Cast Iron P-Trap.....	51.30	21.48
				<i>For Extra Heavy Fittings, Add</i>	6.69	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	9.65	
22 13 16 00-0212	EA			3" Bell And Spigot Cast Iron P-Trap.....	68.27	27.02
				<i>For Extra Heavy Fittings, Add</i>	9.74	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
				<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0213	EA			4" Bell And Spigot Cast Iron P-Trap.....	92.81	35.92
				<i>For Extra Heavy Fittings, Add</i>	13.64	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
				<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0214	EA			5" Bell And Spigot Cast Iron P-Trap.....	144.55	40.71
				<i>For Extra Heavy Fittings, Add</i>	29.24	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.05	
				<i>For Work In Restricted Working Space, Add</i>	18.30	
22 13 16 00-0215	EA			6" Bell And Spigot Cast Iron P-Trap.....	192.10	47.88
				<i>For Extra Heavy Fittings, Add</i>	42.11	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.59	
				<i>For Work In Restricted Working Space, Add</i>	21.53	
22 13 16 00-0216	EA			8" Bell And Spigot Cast Iron P-Trap.....	413.33	61.47
				<i>For Extra Heavy Fittings, Add</i>	112.42	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.61	
				<i>For Work In Restricted Working Space, Add</i>	27.64	
22 13 16 00-0217	EA			10" Bell And Spigot Cast Iron P-Trap.....	460.40	75.63
				<i>For Extra Heavy Fittings, Add</i>	121.45	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.67	
				<i>For Work In Restricted Working Space, Add</i>	34.02	
22 13 16 00-0218				Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219	EA			2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	58.56	21.48
				<i>For Extra Heavy Fittings, Add</i>	9.23	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	9.65	
22 13 16 00-0220	EA			3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	82.54	27.02
				<i>For Extra Heavy Fittings, Add</i>	14.73	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
				<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0221	EA			4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	119.35	35.92
				<i>For Extra Heavy Fittings, Add</i>	22.93	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
				<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0222	EA			5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	193.69	45.49
				<i>For Extra Heavy Fittings, Add</i>	43.93	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.41	
				<i>For Work In Restricted Working Space, Add</i>	20.45	
22 13 16 00-0223	EA			6" Bell And Spigot Cast Iron Deep Seal P-Trap.....	206.28	50.72
				<i>For Extra Heavy Fittings, Add</i>	45.57	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.80	
				<i>For Work In Restricted Working Space, Add</i>	22.82	
22 13 16 00-0224				Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225	EA			3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....	135.89	51.86
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
				<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0226	EA			4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	180.93	68.17
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
				<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0227	EA			5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	243.22	79.01
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.97	
				<i>For Work In Restricted Working Space, Add</i>	35.84	
22 13 16 00-0228	EA			6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	468.61	89.54
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.77	
				<i>For Work In Restricted Working Space, Add</i>	40.63	
22 13 16 00-0229	EA			8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,482.08	105.11
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.97	
				<i>For Work In Restricted Working Space, Add</i>	47.81	
22 13 16 00-0230	EA			8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,605.62	117.28
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.87	
				<i>For Work In Restricted Working Space, Add</i>	53.19	
22 13 16 00-0231				Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232	EA			3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	175.17	71.62
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.42	
				<i>For Work In Restricted Working Space, Add</i>	32.54	
22 13 16 00-0233	EA			4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	237.34	90.40
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.86	
				<i>For Work In Restricted Working Space, Add</i>	41.18	
22 13 16 00-0234	EA			6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	525.63	110.65
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.39	
				<i>For Work In Restricted Working Space, Add</i>	50.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	611.23	133.93
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.15	
			<i>For Work In Restricted Working Space, Add</i>	60.89	
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	1,600.38	127.45
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.67	
			<i>For Work In Restricted Working Space, Add</i>	58.00	
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,759.30	151.33
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.45	
			<i>For Work In Restricted Working Space, Add</i>	68.67	
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	2,332.50	174.62
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.25	
			<i>For Work In Restricted Working Space, Add</i>	79.47	
22 13 16 00-0239	EA		12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	3,216.97	201.90
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.29	
			<i>For Work In Restricted Working Space, Add</i>	91.76	
22 13 16 00-0240	EA		15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	6,216.99	233.52
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.70	
			<i>For Work In Restricted Working Space, Add</i>	106.19	
22 13 16 00-0241			Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242	EA		2" Bell And Spigot Cast Iron Scission Joint Fitting	100.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.63	
22 13 16 00-0243	EA		3" Bell And Spigot Cast Iron Scission Joint Fitting	137.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.80	
			<i>For Work In Restricted Working Space, Add</i>	10.82	
22 13 16 00-0244	EA		4" Bell And Spigot Cast Iron Scission Joint Fitting	159.36	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	14.50	
22 13 16 00-0245	EA		5" Bell And Spigot Cast Iron Scission Joint Fitting	196.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	16.84	
22 13 16 00-0246	EA		6" Bell And Spigot Cast Iron Scission Joint Fitting	238.21	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.39	
			<i>For Work In Restricted Working Space, Add</i>	20.34	
22 13 16 00-0247	EA		8" Bell And Spigot Cast Iron Scission Joint Fitting	444.05	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	25.71	
22 13 16 00-0248			Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)		
			Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA		2", Cut And Prepare Existing In-Place Cast Iron Pipe	8.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	2.68	
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe	9.76	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.49	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe	12.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.66	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe	14.63	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.73	
			<i>For Work In Restricted Working Space, Add</i>	4.39	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe	19.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	5.85	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe	22.76	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	6.83	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe	26.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	8.05	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe	30.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	9.27	
22 13 16 00-0257			Joint Material (22 13 16 00-0019)		
			Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material	1.55	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material	7.58	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket	0.72	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket	0.99	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket	1.23	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket	2.04	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket	4.49	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket	6.89	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket	8.78	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket	10.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0268			No Hub Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service Weight. Excludes hangers.		
22 13 16 00-0269			No Hub Cast Iron Pipe (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe 11.87		4.49
			<i>For Below Ground Installation, Add</i> 0.34		
			<i>For Work In Restricted Working Space, Add</i> 2.02		
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe..... 12.61		4.78
			<i>For Below Ground Installation, Add</i> 0.36		
			<i>For Work In Restricted Working Space, Add</i> 2.17		
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe..... 17.93		6.96
			<i>For Below Ground Installation, Add</i> 0.52		
			<i>For Work In Restricted Working Space, Add</i> 3.14		
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe..... 23.26		9.06
			<i>For Below Ground Installation, Add</i> 0.68		
			<i>For Work In Restricted Working Space, Add</i> 4.08		
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe..... 30.10		11.10
			<i>For Below Ground Installation, Add</i> 0.83		
			<i>For Work In Restricted Working Space, Add</i> 5.00		
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe..... 34.77		12.12
			<i>For Below Ground Installation, Add</i> 0.91		
			<i>For Work In Restricted Working Space, Add</i> 5.44		
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe..... 52.56		17.32
			<i>For Below Ground Installation, Add</i> 1.30		
			<i>For Work In Restricted Working Space, Add</i> 7.78		
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe..... 73.65		19.68
			<i>For Below Ground Installation, Add</i> 1.47		
			<i>For Work In Restricted Working Space, Add</i> 8.85		
22 13 16 00-0278			No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep..... 43.38		21.25
			<i>For Below Ground Installation, Add</i> 1.59		
			<i>For Work In Restricted Working Space, Add</i> 9.56		
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep 43.67		21.25
			<i>For Below Ground Installation, Add</i> 1.59		
			<i>For Work In Restricted Working Space, Add</i> 9.56		
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep 51.32		24.33
			<i>For Below Ground Installation, Add</i> 1.83		
			<i>For Work In Restricted Working Space, Add</i> 10.95		
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep 70.36		32.18
			<i>For Below Ground Installation, Add</i> 2.41		
			<i>For Work In Restricted Working Space, Add</i> 14.48		
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep 95.57		36.64
			<i>For Below Ground Installation, Add</i> 2.75		
			<i>For Work In Restricted Working Space, Add</i> 16.47		
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep 113.46		43.68
			<i>For Below Ground Installation, Add</i> 3.28		
			<i>For Work In Restricted Working Space, Add</i> 19.66		
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep 215.26		56.17
			<i>For Below Ground Installation, Add</i> 4.21		
			<i>For Work In Restricted Working Space, Add</i> 25.27		
22 13 16 00-0287			No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep..... 63.52		24.33
			<i>For Below Ground Installation, Add</i> 1.83		
			<i>For Work In Restricted Working Space, Add</i> 10.95		
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep..... 93.62		32.18
			<i>For Below Ground Installation, Add</i> 2.41		
			<i>For Work In Restricted Working Space, Add</i> 14.48		
22 13 16 00-0290			No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep 41.22		21.25
			<i>For Below Ground Installation, Add</i> 1.59		
			<i>For Work In Restricted Working Space, Add</i> 9.56		
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep 49.37		24.33
			<i>For Below Ground Installation, Add</i> 1.83		
			<i>For Work In Restricted Working Space, Add</i> 10.95		
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep 69.34		32.18
			<i>For Below Ground Installation, Add</i> 2.41		
			<i>For Work In Restricted Working Space, Add</i> 14.48		
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep 95.95		36.64
			<i>For Below Ground Installation, Add</i> 2.75		
			<i>For Work In Restricted Working Space, Add</i> 16.47		
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep 107.51		43.68
			<i>For Below Ground Installation, Add</i> 3.28		
			<i>For Work In Restricted Working Space, Add</i> 19.66		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep	197.26	56.17
For Below Ground Installation, Add	4.21	
For Work In Restricted Working Space, Add	25.27	
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep	316.73	78.65
For Below Ground Installation, Add	5.90	
For Work In Restricted Working Space, Add	35.38	
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend	37.80	20.36
For Below Ground Installation, Add	1.53	
For Work In Restricted Working Space, Add	9.16	
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend.....	39.53	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend.....	46.63	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend.....	63.29	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend.....	88.43	36.64
For Below Ground Installation, Add	2.75	
For Work In Restricted Working Space, Add	16.47	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend.....	102.69	43.68
For Below Ground Installation, Add	3.28	
For Work In Restricted Working Space, Add	19.66	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend.....	183.24	56.17
For Below Ground Installation, Add	4.21	
For Work In Restricted Working Space, Add	25.27	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend	36.24	20.36
For Below Ground Installation, Add	1.53	
For Work In Restricted Working Space, Add	9.16	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend.....	37.68	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend.....	44.82	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend.....	59.21	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend.....	96.22	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend.....	159.95	62.41
For Below Ground Installation, Add	4.68	
For Work In Restricted Working Space, Add	28.07	
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend.....	240.39	76.78
For Below Ground Installation, Add	5.76	
For Work In Restricted Working Space, Add	34.54	
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye.....	58.11	32.03
For Below Ground Installation, Add	2.40	
For Work In Restricted Working Space, Add	14.39	
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye.....	75.33	43.40
For Below Ground Installation, Add	3.25	
For Work In Restricted Working Space, Add	19.52	
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye.....	85.29	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye.....	116.30	62.41
For Below Ground Installation, Add	4.68	
For Work In Restricted Working Space, Add	28.07	
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye.....	156.16	71.32
For Below Ground Installation, Add	5.35	
For Work In Restricted Working Space, Add	32.08	
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye.....	185.31	84.67
For Below Ground Installation, Add	6.35	
For Work In Restricted Working Space, Add	38.09	
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye.....	305.56	112.41
For Below Ground Installation, Add	8.42	
For Work In Restricted Working Space, Add	50.54	
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye.....	484.01	124.87
For Below Ground Installation, Add	9.36	
For Work In Restricted Working Space, Add	56.16	
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0324	EA			3" x 1-1/2" No Hub Cast Iron Reducing Wye.....	73.17	41.46
				<i>For Below Ground Installation, Add</i>	3.11	
				<i>For Work In Restricted Working Space, Add</i>	18.63	
22 13 16 00-0325	EA			3" x 2" No Hub Cast Iron Reducing Wye.....	82.33	47.52
				<i>For Below Ground Installation, Add</i>	3.56	
				<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-0326	EA			4" x 2" No Hub Cast Iron Reducing Wye.....	92.93	52.54
				<i>For Below Ground Installation, Add</i>	3.94	
				<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0327	EA			4" x 3" No Hub Cast Iron Reducing Wye.....	106.49	58.37
				<i>For Below Ground Installation, Add</i>	4.38	
				<i>For Work In Restricted Working Space, Add</i>	26.26	
22 13 16 00-0328	EA			6" x 2" No Hub Cast Iron Reducing Wye.....	139.52	72.05
				<i>For Below Ground Installation, Add</i>	5.40	
				<i>For Work In Restricted Working Space, Add</i>	32.42	
22 13 16 00-0329	EA			6" x 3" No Hub Cast Iron Reducing Wye.....	148.33	75.31
				<i>For Below Ground Installation, Add</i>	5.64	
				<i>For Work In Restricted Working Space, Add</i>	33.86	
22 13 16 00-0330	EA			6" x 4" No Hub Cast Iron Reducing Wye.....	170.76	88.01
				<i>For Below Ground Installation, Add</i>	6.60	
				<i>For Work In Restricted Working Space, Add</i>	39.58	
22 13 16 00-0331	EA			8" x 4" No Hub Cast Iron Reducing Wye.....	210.99	88.38
				<i>For Below Ground Installation, Add</i>	6.63	
				<i>For Work In Restricted Working Space, Add</i>	39.75	
22 13 16 00-0332	EA			8" x 6" No Hub Cast Iron Reducing Wye.....	242.53	97.15
				<i>For Below Ground Installation, Add</i>	7.28	
				<i>For Work In Restricted Working Space, Add</i>	43.68	
22 13 16 00-0333	EA			10" x 4" No Hub Cast Iron Reducing Wye.....	360.45	103.49
				<i>For Below Ground Installation, Add</i>	7.76	
				<i>For Work In Restricted Working Space, Add</i>	46.55	
22 13 16 00-0334	EA			10" x 6" No Hub Cast Iron Reducing Wye.....	380.87	110.79
				<i>For Below Ground Installation, Add</i>	8.31	
				<i>For Work In Restricted Working Space, Add</i>	49.83	
22 13 16 00-0335	EA			10" x 8" No Hub Cast Iron Reducing Wye.....	435.26	118.31
				<i>For Below Ground Installation, Add</i>	8.87	
				<i>For Work In Restricted Working Space, Add</i>	53.21	
22 13 16 00-0336				No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337	EA			1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	66.10	37.27
				<i>For Below Ground Installation, Add</i>	2.79	
				<i>For Work In Restricted Working Space, Add</i>	16.75	
22 13 16 00-0338	EA			2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	75.74	43.40
				<i>For Below Ground Installation, Add</i>	3.25	
				<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-0339	EA			3" No Hub Cast Iron Combination Wye And 1/8 Bend.....	88.41	47.52
				<i>For Below Ground Installation, Add</i>	3.56	
				<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-0340	EA			4" No Hub Cast Iron Combination Wye And 1/8 Bend.....	125.13	62.41
				<i>For Below Ground Installation, Add</i>	4.68	
				<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-0341	EA			6" No Hub Cast Iron Combination Wye And 1/8 Bend.....	223.42	96.01
				<i>For Below Ground Installation, Add</i>	7.20	
				<i>For Work In Restricted Working Space, Add</i>	43.18	
22 13 16 00-0342	EA			8" No Hub Cast Iron Combination Wye And 1/8 Bend.....	384.16	123.18
				<i>For Below Ground Installation, Add</i>	9.23	
				<i>For Work In Restricted Working Space, Add</i>	55.41	
22 13 16 00-0343	EA			10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	452.30	148.93
				<i>For Below Ground Installation, Add</i>	11.16	
				<i>For Work In Restricted Working Space, Add</i>	66.98	
22 13 16 00-0344				No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345	EA			2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	76.25	43.40
				<i>For Below Ground Installation, Add</i>	3.25	
				<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-0346	EA			3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	83.89	47.52
				<i>For Below Ground Installation, Add</i>	3.56	
				<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-0347	EA			4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	96.05	52.54
				<i>For Below Ground Installation, Add</i>	3.94	
				<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0348	EA			4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	109.52	58.37
				<i>For Below Ground Installation, Add</i>	4.38	
				<i>For Work In Restricted Working Space, Add</i>	26.26	
22 13 16 00-0349	EA			6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	148.60	72.05
				<i>For Below Ground Installation, Add</i>	5.40	
				<i>For Work In Restricted Working Space, Add</i>	32.42	
22 13 16 00-0350	EA			6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	164.20	75.31
				<i>For Below Ground Installation, Add</i>	5.64	
				<i>For Work In Restricted Working Space, Add</i>	33.86	
22 13 16 00-0351	EA			6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	184.65	88.01
				<i>For Below Ground Installation, Add</i>	6.60	
				<i>For Work In Restricted Working Space, Add</i>	39.58	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.96 6.63 39.75	88.38
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.89 7.28 43.68	97.15
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.21 4.05 24.27	53.96
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.85 4.92 29.54	65.70
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.98 5.38 32.30	71.84
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.51 8.00 47.99	106.73
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	467.79 10.72 64.33	142.99
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.25 4.48 26.89	59.79
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.63 5.16 30.97	68.85
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.82 5.63 33.76	75.06
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.95 7.05 42.32	94.10
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.27 4.86 29.16	64.81
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.52 5.38 32.30	71.84
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.73 7.13 42.77	95.12
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.72 11.01 66.03	146.83
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.70 4.18 25.08	55.75
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.71 4.86 29.16	64.81
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.87 5.31 31.85	70.79
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.69 2.35 14.12	31.36
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.84 3.25 19.52	43.40
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.14 3.56 21.38	47.52
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.69 4.68 28.07	62.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0379 EA 5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.70 5.35 32.08	71.32
22 13 16 00-0380 EA 6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.93 6.35 38.09	84.67
22 13 16 00-0381 EA 8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	337.77 8.42 50.54	112.41
22 13 16 00-0382 EA 2" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.84 2.65 15.92	35.40
22 13 16 00-0383 EA 3" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.06 3.11 18.63	41.46
22 13 16 00-0384 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0385 EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.02 3.25 19.52	43.40
22 13 16 00-0386 EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.35 3.25 19.52	43.40
22 13 16 00-0387 EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.38 4.40 26.42	58.74
22 13 16 00-0388 EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.37 4.40 26.42	58.74
22 13 16 00-0389 EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.16 5.08 30.47	67.76
22 13 16 00-0390 EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.34 5.08 30.47	67.76
22 13 16 00-0391 EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.85 5.08 30.47	67.76
22 13 16 00-0392 EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.27 5.29 31.74	70.60
22 13 16 00-0393 EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.25 7.11 42.63	94.79
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395 EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.65 1.59 9.56	21.25
22 13 16 00-0396 EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.47 1.83 10.95	24.33
22 13 16 00-0397 EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.54 2.41 14.48	32.18
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.77 1.59 9.56	21.25
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.84 1.83 10.95	24.33
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.48 2.41 14.48	32.18
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.44 3.56 21.38	47.52
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.52 4.68 28.07	62.41
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.02 7.11 42.66	94.81
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug	35.64	21.25
			<i>For Below Ground Installation, Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug	42.46	24.33
			<i>For Below Ground Installation, Add</i>	1.83	
			<i>For Work In Restricted Working Space, Add</i>	10.95	
22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug	59.59	32.18
			<i>For Below Ground Installation, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug	92.40	47.52
			<i>For Below Ground Installation, Add</i>	3.56	
			<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug	122.58	62.41
			<i>For Below Ground Installation, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-0412			No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413	EA		1-1/2" No Hub Cast Iron Sanitary Cross	75.88	41.91
			<i>For Below Ground Installation, Add</i>	3.14	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
22 13 16 00-0414	EA		2" No Hub Cast Iron Sanitary Cross	81.32	43.40
			<i>For Below Ground Installation, Add</i>	3.25	
			<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-0415	EA		3" No Hub Cast Iron Sanitary Cross	96.86	47.52
			<i>For Below Ground Installation, Add</i>	3.56	
			<i>For Work In Restricted Working Space, Add</i>	21.38	
22 13 16 00-0416	EA		4" No Hub Cast Iron Sanitary Cross	141.63	62.41
			<i>For Below Ground Installation, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	28.07	
22 13 16 00-0417			No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418	EA		3" x 2" No Hub Cast Iron Sanitary Cross	106.60	55.75
			<i>For Below Ground Installation, Add</i>	4.18	
			<i>For Work In Restricted Working Space, Add</i>	25.08	
22 13 16 00-0419	EA		4" x 2" No Hub Cast Iron Sanitary Cross	118.56	57.39
			<i>For Below Ground Installation, Add</i>	4.30	
			<i>For Work In Restricted Working Space, Add</i>	25.82	
22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross	129.04	59.94
			<i>For Below Ground Installation, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	26.95	
22 13 16 00-0421			No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422	EA		3" x 2" No Hub Cast Iron Reducer	70.52	43.40
			<i>For Below Ground Installation, Add</i>	3.25	
			<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-0423	EA		4" x 2" No Hub Cast Iron Reducer	96.37	58.74
			<i>For Below Ground Installation, Add</i>	4.40	
			<i>For Work In Restricted Working Space, Add</i>	26.42	
22 13 16 00-0424	EA		4" x 3" No Hub Cast Iron Reducer	96.62	58.74
			<i>For Below Ground Installation, Add</i>	4.40	
			<i>For Work In Restricted Working Space, Add</i>	26.42	
22 13 16 00-0425	EA		5" x 2" No Hub Cast Iron Reducer	113.77	67.76
			<i>For Below Ground Installation, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	30.47	
22 13 16 00-0426	EA		5" x 3" No Hub Cast Iron Reducer	115.46	67.76
			<i>For Below Ground Installation, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	30.47	
22 13 16 00-0427	EA		5" x 4" No Hub Cast Iron Reducer	116.13	67.76
			<i>For Below Ground Installation, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	30.47	
22 13 16 00-0428	EA		6" x 3" No Hub Cast Iron Reducer	133.93	75.31
			<i>For Below Ground Installation, Add</i>	5.64	
			<i>For Work In Restricted Working Space, Add</i>	33.86	
22 13 16 00-0429	EA		6" x 4" No Hub Cast Iron Reducer	134.19	75.31
			<i>For Below Ground Installation, Add</i>	5.64	
			<i>For Work In Restricted Working Space, Add</i>	33.86	
22 13 16 00-0430	EA		6" x 5" No Hub Cast Iron Reducer	134.95	75.31
			<i>For Below Ground Installation, Add</i>	5.64	
			<i>For Work In Restricted Working Space, Add</i>	33.86	
22 13 16 00-0431	EA		8" x 2" No Hub Cast Iron Reducer	185.32	104.89
			<i>For Below Ground Installation, Add</i>	7.86	
			<i>For Work In Restricted Working Space, Add</i>	47.18	
22 13 16 00-0432	EA		8" x 3" No Hub Cast Iron Reducer	187.27	104.89
			<i>For Below Ground Installation, Add</i>	7.86	
			<i>For Work In Restricted Working Space, Add</i>	47.18	
22 13 16 00-0433	EA		8" x 4" No Hub Cast Iron Reducer	190.39	104.89
			<i>For Below Ground Installation, Add</i>	7.86	
			<i>For Work In Restricted Working Space, Add</i>	47.18	
22 13 16 00-0434	EA		8" x 5" No Hub Cast Iron Reducer	193.64	104.89
			<i>For Below Ground Installation, Add</i>	7.86	
			<i>For Work In Restricted Working Space, Add</i>	47.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.02 7.86 47.18	104.89
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.14 8.29 49.76	110.64
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.78 8.66 51.97	115.50
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.89 9.40 56.39	125.38
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.66 1.53 9.16	20.36
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.85 1.59 9.56	21.25
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.82 1.83 10.95	24.33
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.42 2.41 14.48	32.18
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.13 2.79 16.76	37.73
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.92 3.28 19.66	43.68
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.46 4.21 25.27	56.17
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.42 4.54 27.22	60.51
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.91 1.59 9.56	21.25
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.70 1.83 10.95	24.33
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.06 2.41 14.48	32.18
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.51 2.77 16.60	36.93
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.31 3.30 19.81	44.04
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.83 2.02 12.14	27.02
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.93 2.69 16.15	35.92
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.64 3.55 21.33	47.44
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.81 2.41 14.48	32.18
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.44 2.41 14.48	32.18
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.88 2.41 14.48	32.18



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0463	No Hub Cast Iron Threaded Adapter <small>(22 13 16 00-0278)</small>		
22 13 16 00-0464	EA 1-1/4" No Hub Cast Iron Threaded Adapter.....	49.95	27.02
	<i>For Below Ground Installation, Add</i>	2.02	
	<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0465	EA 1-1/2" No Hub Cast Iron Threaded Adapter.....	52.88	27.02
	<i>For Below Ground Installation, Add</i>	2.02	
	<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0466	No Hub Couplings <small>(22 13 16 00-0278)</small>		
	Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA 1-1/2" No Hub Coupling.....	4.91	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	0.64	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.33	
22 13 16 00-0468	EA 2" No Hub Coupling.....	4.91	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	0.64	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.33	
22 13 16 00-0469	EA 3" No Hub Coupling.....	5.83	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	0.76	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.57	
22 13 16 00-0470	EA 4" No Hub Coupling.....	6.92	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	0.90	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.87	
22 13 16 00-0471	EA 5" No Hub Coupling.....	16.00	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	2.08	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.32	
22 13 16 00-0472	EA 6" No Hub Coupling.....	17.58	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	2.29	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.75	
22 13 16 00-0473	EA 8" No Hub Coupling.....	33.12	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	4.31	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	8.94	
22 13 16 00-0474	EA 10" No Hub Coupling.....	45.63	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	5.93	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	12.32	
22 13 16 00-0475	EA 2" x 1-1/2" No Hub Reducing Coupling.....	5.83	
22 13 16 00-0476	EA 3" x 2" No Hub Reducing Coupling.....	9.04	
22 13 16 00-0477	EA 4" x 2" No Hub Reducing Coupling.....	12.61	
22 13 16 00-0478	EA 4" x 3" No Hub Reducing Coupling.....	10.75	
22 13 16 00-0479	Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts <small>(22 13 16 00-0278)</small>		
	Note: For underground connections. See CSI section 22 13 16 00-1487 for additional FERNCO couplings.		
22 13 16 00-0480	EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	20.99	
22 13 16 00-0481	EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	21.67	
22 13 16 00-0482	EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	22.75	
22 13 16 00-0483	EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	26.54	
22 13 16 00-0484	EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	50.11	
22 13 16 00-0485	EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	68.79	
22 13 16 00-0486	EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	120.52	
22 13 16 00-0487	EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	184.17	
22 13 16 00-0488	Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0268)</small>		
	Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	7.32	
	<i>For Work In Restricted Working Space, Add</i>	2.20	
22 13 16 00-0490	EA Cut And Prepare 2" Cast Iron Pipe, No Hub.....	8.94	
	<i>For Work In Restricted Working Space, Add</i>	2.68	
22 13 16 00-0491	EA Cut And Prepare 3" Cast Iron Pipe, No Hub.....	9.76	
	<i>For Work In Restricted Working Space, Add</i>	2.93	
22 13 16 00-0492	EA Cut And Prepare 4" Cast Iron Pipe, No Hub.....	12.19	
	<i>For Work In Restricted Working Space, Add</i>	3.66	
22 13 16 00-0493	EA Cut And Prepare 6" Cast Iron Pipe, No Hub.....	14.63	
	<i>For Work In Restricted Working Space, Add</i>	4.39	
22 13 16 00-0494	EA Cut And Prepare 8" Cast Iron Pipe, No Hub.....	19.51	
	<i>For Work In Restricted Working Space, Add</i>	5.85	
22 13 16 00-0495	EA Cut And Prepare 10" Cast Iron Pipe, No Hub.....	22.76	
	<i>For Work In Restricted Working Space, Add</i>	6.83	
22 13 16 00-0496	Copper DWV Pipe <small>(22 13 16)</small>		
	See CSI section 22 11 16 00-0354 for copper and brass fittings.		
22 13 16 00-0497	LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	9.71	3.52
22 13 16 00-0498	LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	11.95	3.93
22 13 16 00-0499	LF 2" Hard Drawn DWV Copper Tube/Pipe.....	18.24	4.84
22 13 16 00-0500	LF 3" Hard Drawn DWV Copper Tube/Pipe.....	36.35	6.71
22 13 16 00-0501	LF 4" Hard Drawn DWV Copper Tube/Pipe.....	48.08	7.57
22 13 16 00-0502	LF 5" Hard Drawn DWV Copper Tube/Pipe.....	126.99	8.69
22 13 16 00-0503	LF 6" Hard Drawn DWV Copper Tube/Pipe.....	159.47	13.48



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0504			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 13 16)</small> Note: Acid resistant. ASTM A518.		
22 13 16 00-0505			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 13 16 00-0504)</small>		
22 13 16 00-0506	LF		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	68.10	6.66
22 13 16 00-0507	LF		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	95.69	8.31
22 13 16 00-0508	LF		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	129.96	9.58
22 13 16 00-0509	LF		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	213.50	13.79
22 13 16 00-0510	LF		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	375.55	18.36
22 13 16 00-0511	LF		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	662.65	23.15
22 13 16 00-0512	LF		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,179.96	31.18
22 13 16 00-0513	LF		15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,098.43	35.75
22 13 16 00-0514			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 13 16 00-0504)</small>		
22 13 16 00-0515			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 13 16 00-0514)</small>		
22 13 16 00-0516	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	276.32	56.73
22 13 16 00-0517	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	359.58	62.41
22 13 16 00-0518	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	580.33	74.69
22 13 16 00-0519	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	864.27	91.06
22 13 16 00-0520	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,974.09	147.49
22 13 16 00-0521			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0522	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	164.19	56.73
22 13 16 00-0523	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	212.28	62.41
22 13 16 00-0524	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	265.93	74.69
22 13 16 00-0525	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	690.58	91.06
22 13 16 00-0526	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,555.70	147.49
22 13 16 00-0527	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,356.20	183.76
22 13 16 00-0528	EA		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,452.28	220.99
22 13 16 00-0529			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0530	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	164.19	56.73
22 13 16 00-0531	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	212.28	62.41
22 13 16 00-0532	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	265.93	74.69
22 13 16 00-0533	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	510.29	91.06
22 13 16 00-0534	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,322.64	147.49
22 13 16 00-0535	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,927.80	183.76
22 13 16 00-0536	EA		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,727.07	220.99
22 13 16 00-0537			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0538	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	164.19	56.73
22 13 16 00-0539	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	212.27	62.41
22 13 16 00-0540	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	265.75	74.61
22 13 16 00-0541			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 13 16 00-0514)</small>		
22 13 16 00-0542	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	221.35	56.73
22 13 16 00-0543	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	385.97	62.41
22 13 16 00-0544	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	433.03	74.69
22 13 16 00-0545			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 13 16 00-0514)</small>		
22 13 16 00-0546	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	232.80	84.86
22 13 16 00-0547	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	290.55	94.07
22 13 16 00-0548	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	401.48	112.33
22 13 16 00-0549	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	666.87	136.84
22 13 16 00-0550	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,005.14	221.43
22 13 16 00-0551	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,840.63	276.49
22 13 16 00-0552			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 13 16 00-0514)</small>		
22 13 16 00-0553	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	218.72	81.35
22 13 16 00-0554	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	254.08	87.33
22 13 16 00-0555	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	282.84	90.40
22 13 16 00-0556	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	323.36	99.83
22 13 16 00-0557	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	345.73	102.97
22 13 16 00-0558	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	378.79	106.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0559 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	474.71	118.41
22 13 16 00-0560 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	525.10	121.45
22 13 16 00-0561 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	586.23	127.05
22 13 16 00-0562 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 13 16 00-0514)		
22 13 16 00-0563 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	263.54	84.86
22 13 16 00-0564 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	316.56	93.85
22 13 16 00-0565 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	430.03	112.33
22 13 16 00-0566 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 13 16 00-0514)		
22 13 16 00-0567 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	249.48	81.35
22 13 16 00-0568 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	309.85	90.85
22 13 16 00-0569 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	372.54	103.28
22 13 16 00-0570 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	399.05	106.34
22 13 16 00-0571 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 13 16 00-0514)		
22 13 16 00-0572 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	230.76	85.01
22 13 16 00-0573 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	314.73	94.07
22 13 16 00-0574 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	401.35	112.25
22 13 16 00-0575 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	670.47	136.33
22 13 16 00-0576 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	2,501.68	221.21
22 13 16 00-0577 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 13 16 00-0514)		
22 13 16 00-0578 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	236.29	81.35
22 13 16 00-0579 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	254.05	87.33
22 13 16 00-0580 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	268.24	90.93
22 13 16 00-0581 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	299.18	99.83
22 13 16 00-0582 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	310.72	103.12
22 13 16 00-0583 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	370.47	106.34
22 13 16 00-0584 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	498.76	118.56
22 13 16 00-0585 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	588.86	121.45
22 13 16 00-0586 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	614.81	127.05
22 13 16 00-0587 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,479.01	178.46
22 13 16 00-0588 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,595.57	184.36
22 13 16 00-0589 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,946.03	193.78
22 13 16 00-0590 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 13 16 00-0514)		
22 13 16 00-0591 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	272.30	84.86
22 13 16 00-0592 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	323.15	93.85
22 13 16 00-0593 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	474.01	112.33
22 13 16 00-0594 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	727.90	136.47
22 13 16 00-0595 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0514)		
22 13 16 00-0596 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	227.49	81.35
22 13 16 00-0597 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	262.85	87.33
22 13 16 00-0598 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	290.06	90.85
22 13 16 00-0599 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	314.57	99.83
22 13 16 00-0600 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	361.55	103.28
22 13 16 00-0601 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	407.80	106.27
22 13 16 00-0602 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	527.29	118.56
22 13 16 00-0603 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	652.67	121.53
22 13 16 00-0604 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	714.06	127.26
22 13 16 00-0605 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers (22 13 16 00-0514)		
22 13 16 00-0606 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	141.65	53.44
22 13 16 00-0607 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	154.92	56.43
22 13 16 00-0608 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	172.61	59.42
22 13 16 00-0609 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	272.47	65.86
22 13 16 00-0610 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	285.76	68.93
22 13 16 00-0611 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	311.79	75.97
22 13 16 00-0612 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	401.84	81.77
22 13 16 00-0613 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	581.37	110.64
22 13 16 00-0614 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	619.61	120.00
22 13 16 00-0615 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers (22 13 16 00-0514)		
22 13 16 00-0616 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	376.17	124.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0617 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	490.50	124.75
22 13 16 00-0618 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	500.76	124.75
22 13 16 00-0619 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	572.75	169.42
22 13 16 00-0620 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 13 16 00-0514)		
22 13 16 00-0621 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	406.04	56.73
22 13 16 00-0622 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	489.30	62.41
22 13 16 00-0623 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	595.72	74.69
22 13 16 00-0624 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,739.32	91.06
22 13 16 00-0625 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 13 16 00-0514)		
22 13 16 00-0626 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	205.96	56.73
22 13 16 00-0627 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	258.45	62.41
22 13 16 00-0628 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	353.88	74.69
22 13 16 00-0629 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	457.16	91.06
22 13 16 00-0630 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	880.87	127.05
22 13 16 00-0631 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 13 16 00-0504)		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 13 16 00-0632 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.55	
22 13 16 00-0633 LB Sealite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	40.31	
22 13 16 00-0634 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 13 16)		
Note: ASTM A518.		
22 13 16 00-0635 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 13 16 00-0634)		
22 13 16 00-0636 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	53.98	5.02
22 13 16 00-0637 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	61.42	5.54
22 13 16 00-0638 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	84.62	6.96
22 13 16 00-0639 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	106.61	8.08
22 13 16 00-0640 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 13 16 00-0634)		
22 13 16 00-0641 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 13 16 00-0640)		
22 13 16 00-0642 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	202.51	39.74
22 13 16 00-0643 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	219.06	44.90
22 13 16 00-0644 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	298.51	49.54
22 13 16 00-0645 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	360.24	59.87
22 13 16 00-0646 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 13 16 00-0640)		
22 13 16 00-0647 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	116.76	39.74
22 13 16 00-0648 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	139.20	44.45
22 13 16 00-0649 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	177.83	49.69
22 13 16 00-0650 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	232.04	59.42
22 13 16 00-0651 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	135.49	41.98
22 13 16 00-0652 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 13 16 00-0640)		
22 13 16 00-0653 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	116.76	39.74
22 13 16 00-0654 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	139.20	44.45
22 13 16 00-0655 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	177.83	49.69
22 13 16 00-0656 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	232.04	59.42
22 13 16 00-0657 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends (22 13 16 00-0640)		
22 13 16 00-0658 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	136.55	39.74
22 13 16 00-0659 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	169.98	44.45
22 13 16 00-0660 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	259.18	49.69
22 13 16 00-0661 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	291.40	59.42
22 13 16 00-0662 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 13 16 00-0640)		
22 13 16 00-0663 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	132.15	39.74
22 13 16 00-0664 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	156.79	44.45
22 13 16 00-0665 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	239.40	49.69
22 13 16 00-0666 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	271.61	59.42



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0667		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends (22 13 16 00-0640)		
22 13 16 00-0668	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	199.58	59.79
22 13 16 00-0669		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees (22 13 16 00-0640)		
22 13 16 00-0670	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	164.40	59.79
22 13 16 00-0671	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	202.12	67.36
22 13 16 00-0672	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	264.23	75.06
22 13 16 00-0673	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	396.33	89.88
22 13 16 00-0674		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees (22 13 16 00-0640)		
22 13 16 00-0675	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	189.52	64.81
22 13 16 00-0676	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	230.08	69.89
22 13 16 00-0677	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	244.76	72.36
22 13 16 00-0678	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	262.58	79.85
22 13 16 00-0679	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	288.01	82.09
22 13 16 00-0680	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	311.52	84.56
22 13 16 00-0681		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes (22 13 16 00-0640)		
22 13 16 00-0682	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	164.70	60.01
22 13 16 00-0683	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	193.32	67.36
22 13 16 00-0684	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	255.44	75.06
22 13 16 00-0685	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	396.33	89.88
22 13 16 00-0686		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 13 16 00-0640)		
22 13 16 00-0687	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	183.43	65.18
22 13 16 00-0688	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	223.47	69.82
22 13 16 00-0689	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	234.11	72.59
22 13 16 00-0690	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	262.95	80.08
22 13 16 00-0691	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	288.68	82.55
22 13 16 00-0692	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	305.24	84.79
22 13 16 00-0693		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes (22 13 16 00-0640)		
22 13 16 00-0694	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	245.15	79.93
22 13 16 00-0695	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	310.70	89.95
22 13 16 00-0696	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	395.44	99.53
22 13 16 00-0697	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	513.61	119.66
22 13 16 00-0698	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	269.85	84.64
22 13 16 00-0699	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	301.49	89.66
22 13 16 00-0700	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	357.33	94.59
22 13 16 00-0701	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	394.48	104.77
22 13 16 00-0702	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	472.81	110.08
22 13 16 00-0703		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 13 16 00-0640)		
22 13 16 00-0704	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	271.48	79.93
22 13 16 00-0705	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	319.31	89.80
22 13 16 00-0706	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	453.45	100.05
22 13 16 00-0707	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	630.31	119.82
22 13 16 00-0708	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	291.80	84.64
22 13 16 00-0709	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	378.42	89.66
22 13 16 00-0710	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	399.06	94.59
22 13 16 00-0711	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	427.42	104.70
22 13 16 00-0712	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	540.38	109.63
22 13 16 00-0713		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 13 16 00-0640)		
22 13 16 00-0714	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	181.70	59.57
22 13 16 00-0715	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	210.91	67.36
22 13 16 00-0716	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	255.44	75.06
22 13 16 00-0717	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	420.52	89.88
22 13 16 00-0718		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0640)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0719 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	200.57	64.88
22 13 16 00-0720 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	223.76	70.05
22 13 16 00-0721 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	242.91	72.59
22 13 16 00-0722 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	326.71	80.08
22 13 16 00-0723 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	334.85	82.55
22 13 16 00-0724 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	373.39	84.79
22 13 16 00-0725 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0640)		
22 13 16 00-0726 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	286.70	79.78
22 13 16 00-0727 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	358.83	89.73
22 13 16 00-0728 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	512.27	99.76
22 13 16 00-0729 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	615.30	120.04
22 13 16 00-0730 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0640)		
22 13 16 00-0731 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	311.58	84.64
22 13 16 00-0732 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	371.80	89.58
22 13 16 00-0733 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	388.06	94.59
22 13 16 00-0734 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	431.82	104.70
22 13 16 00-0735 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	540.38	109.63
22 13 16 00-0736 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers (22 13 16 00-0640)		
22 13 16 00-0737 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	136.13	42.44
22 13 16 00-0738 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	153.07	44.90
22 13 16 00-0739 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	179.68	52.39
22 13 16 00-0740 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	210.92	49.77
22 13 16 00-0741 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	223.46	52.24
22 13 16 00-0742 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	235.97	54.71
22 13 16 00-0743 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 13 16 00-0640)		
22 13 16 00-0744 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	124.93	34.95
22 13 16 00-0745 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	145.00	39.52
22 13 16 00-0746 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	170.38	44.75
22 13 16 00-0747 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	305.97	54.48
22 13 16 00-0748 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 13 16 00-0640)		
22 13 16 00-0749 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	56.19	19.90
22 13 16 00-0750 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	66.31	22.23
22 13 16 00-0751 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	72.43	24.85
22 13 16 00-0752 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	92.94	29.71
22 13 16 00-0753 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 13 16 00-0640)		
22 13 16 00-0754 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	224.15	39.52
22 13 16 00-0755 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	231.55	44.45
22 13 16 00-0756 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	285.57	49.69
22 13 16 00-0757 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	363.96	59.42
22 13 16 00-0758 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	309.92	42.51
22 13 16 00-0759 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	425.14	47.44
22 13 16 00-0760 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	513.84	52.39
22 13 16 00-0761 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	638.80	62.41
22 13 16 00-0762 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 13 16 00-0640)		
22 13 16 00-0763 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	412.80	45.13
22 13 16 00-0764 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	648.68	49.92
22 13 16 00-0765 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	430.13	44.90
22 13 16 00-0766 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	648.68	49.92



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0767		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 13 16 00-0640)		
22 13 16 00-0768	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	383.96	44.90
22 13 16 00-0769	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	450.80	49.92
22 13 16 00-0770	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	443.32	44.90
22 13 16 00-0771	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	967.48	49.92
22 13 16 00-0772	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	578.32	49.92
22 13 16 00-0773		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 13 16 00-0640)		
22 13 16 00-0774	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	163.20	39.96
22 13 16 00-0775	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	212.47	44.90
22 13 16 00-0776		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 13 16 00-0640)		
22 13 16 00-0777	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	84.48	29.94
22 13 16 00-0778	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	151.97	32.47
22 13 16 00-0779	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	113.29	37.42
22 13 16 00-0780		Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 13 16 00-0640)		
22 13 16 00-0781	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	156.22	42.58
22 13 16 00-0782	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	170.65	44.90
22 13 16 00-0783	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	189.79	47.37
22 13 16 00-0784	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	203.67	52.24
22 13 16 00-0785	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	189.82	47.44
22 13 16 00-0786	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	200.12	49.92
22 13 16 00-0787	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	216.19	54.71
22 13 16 00-0788	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	243.48	52.39
22 13 16 00-0789	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	300.22	62.41
22 13 16 00-0790		Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 13 16 00-0640)		
22 13 16 00-0791	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	52.77	
22 13 16 00-0792	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	61.56	
22 13 16 00-0793	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	65.96	
22 13 16 00-0794	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	72.55	
22 13 16 00-0795		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 13 16 00-0640)		
22 13 16 00-0796	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	392.71	19.98
22 13 16 00-0797	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	149.09	9.95
22 13 16 00-0798	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	276.60	9.95
22 13 16 00-0799		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 13 16 00-0640)		
22 13 16 00-0800	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,411.67	99.83
22 13 16 00-0801	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,740.15	104.85
22 13 16 00-0802	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,162.64	9.95
22 13 16 00-0803		Glass Acid Resistant DWV Pipe And Fittings (22 13 16)		
22 13 16 00-0804		Glass Acid Resistant DWV Pipe (22 13 16 00-0803)		
22 13 16 00-0805	LF	1-1/2" Glass Acid Resistant DWV Pipe.....	16.32	4.12
		<i>For Work In Restricted Working Space, Add</i>	2.47	
22 13 16 00-0806	LF	2" Glass Acid Resistant DWV Pipe	20.00	4.49
		<i>For Work In Restricted Working Space, Add</i>	2.69	
22 13 16 00-0807	LF	3" Glass Acid Resistant DWV Pipe	27.74	6.29
		<i>For Work In Restricted Working Space, Add</i>	3.79	
22 13 16 00-0808	LF	4" Glass Acid Resistant DWV Pipe	43.85	8.16
		<i>For Work In Restricted Working Space, Add</i>	4.90	
22 13 16 00-0809	LF	6" Glass Acid Resistant DWV Pipe	71.59	11.15
		<i>For Work In Restricted Working Space, Add</i>	6.68	
22 13 16 00-0810		Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 13 16 00-0803)		
22 13 16 00-0811	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	53.80	18.33
		<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0812	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	60.56	19.46
		<i>For Work In Restricted Working Space, Add</i>	11.65	
22 13 16 00-0813	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	79.93	22.08
		<i>For Work In Restricted Working Space, Add</i>	13.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0814	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	115.50 17.51	29.19
22 13 16 00-0815	EA		6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	254.95 24.25	40.41
22 13 16 00-0816			Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps <small>(22 13 16 00-0803)</small>		
22 13 16 00-0817	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	53.96 11.03	18.41
22 13 16 00-0818	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	60.26 11.56	19.23
22 13 16 00-0819	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	79.78 13.20	22.00
22 13 16 00-0820	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	115.50 17.51	29.19
22 13 16 00-0821	EA		6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	254.93 24.24	40.41
22 13 16 00-0822			Glass Acid Resistant DWV 90 Or 60 Degree Bends <small>(22 13 16 00-0803)</small>		
22 13 16 00-0823	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	54.43 11.03	18.41
22 13 16 00-0824	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	60.83 11.56	19.23
22 13 16 00-0825	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	80.77 13.20	22.00
22 13 16 00-0826	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	115.50 17.51	29.19
22 13 16 00-0827			Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends <small>(22 13 16 00-0803)</small>		
22 13 16 00-0828	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	54.43 11.03	18.41
22 13 16 00-0829	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	60.83 11.56	19.23
22 13 16 00-0830	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	80.77 13.20	22.00
22 13 16 00-0831	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	115.50 17.51	29.19
22 13 16 00-0832			Glass Acid Resistant DWV 90 Degree Bends With Long Leg <small>(22 13 16 00-0803)</small>		
22 13 16 00-0833	EA		1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	61.14 11.03	18.41
22 13 16 00-0834	EA		2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	70.47 11.56	19.23
22 13 16 00-0835			Glass Acid Resistant DWV Double Quarter Bends <small>(22 13 16 00-0803)</small>		
22 13 16 00-0836	EA		1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	85.88 16.54	27.54
22 13 16 00-0837	EA		2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	103.57 17.11	28.52
22 13 16 00-0838	EA		2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	98.16 17.35	28.89
22 13 16 00-0839	EA		3" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	128.56 19.81	33.00
22 13 16 00-0840	EA		4" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	204.49 26.27	43.78
22 13 16 00-0841	EA		6" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	308.97 36.38	60.62
22 13 16 00-0842			Glass Acid Resistant DWV Sanitary Tees <small>(22 13 16 00-0803)</small>		
22 13 16 00-0843	EA		1-1/2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	83.12 16.61	27.69
22 13 16 00-0844	EA		2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	85.37 17.29	28.81
22 13 16 00-0845	EA		3" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	107.24 19.76	32.93
22 13 16 00-0846	EA		4" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	161.80 26.27	43.78
22 13 16 00-0847	EA		6" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	320.14 36.37	60.62
22 13 16 00-0848			Glass Acid Resistant DWV Reducing Sanitary Tees <small>(22 13 16 00-0803)</small>		
22 13 16 00-0849	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	84.61 17.06	28.44
22 13 16 00-0850	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	98.70 18.64	31.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0851 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	104.00 19.08	31.81
22 13 16 00-0852 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	132.42 23.12	38.54
22 13 16 00-0853 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	137.73 23.35	38.91
22 13 16 00-0854 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	144.08 24.02	40.04
22 13 16 00-0855 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	239.88 30.08	50.14
22 13 16 00-0856 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	256.71 30.76	51.26
22 13 16 00-0857 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	264.98 33.00	55.01
22 13 16 00-0858 Glass Acid Resistant DWV Double Sanitary Tees (22 13 16 00-0803)		
22 13 16 00-0859 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	115.90 22.01	36.66
22 13 16 00-0860 EA 2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	119.63 23.12	38.54
22 13 16 00-0861 EA 3" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	150.85 26.49	44.15
22 13 16 00-0862 EA 4" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	236.58 35.02	58.37
22 13 16 00-0863 EA 6" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	406.07 48.50	80.82
22 13 16 00-0864 Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 13 16 00-0803)		
22 13 16 00-0865 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	118.13 22.67	37.79
22 13 16 00-0866 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	134.19 24.25	40.41
22 13 16 00-0867 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	140.72 24.70	41.16
22 13 16 00-0868 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	196.29 28.52	47.52
22 13 16 00-0869 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	195.51 29.18	48.64
22 13 16 00-0870 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	209.18 30.76	51.26
22 13 16 00-0871 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	271.73 35.91	59.87
22 13 16 00-0872 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	293.69 37.49	62.49
22 13 16 00-0873 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	331.81 41.75	69.59
22 13 16 00-0874 Glass Acid Resistant DWV Tees (22 13 16 00-0803)		
22 13 16 00-0875 EA 1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	89.71 16.61	27.69
22 13 16 00-0876 EA 2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	91.95 17.29	28.81
22 13 16 00-0877 EA 3" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	115.42 19.76	32.93
22 13 16 00-0878 EA 4" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	174.63 26.27	43.78
22 13 16 00-0879 EA 6" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	335.53 36.38	60.62
22 13 16 00-0880 Glass Acid Resistant DWV Reducing Tees (22 13 16 00-0803)		
22 13 16 00-0881 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	91.20 17.06	28.44
22 13 16 00-0882 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	105.57 18.64	31.05
22 13 16 00-0883 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	108.04 19.08	31.81
22 13 16 00-0884 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	133.94 23.13	38.54
22 13 16 00-0885 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	137.02 23.35	38.91
22 13 16 00-0886 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	159.51 24.03	40.04
22 13 16 00-0887 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	284.90 30.75	51.26
22 13 16 00-0888 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	297.97 32.99	55.01
22 13 16 00-0889 Glass Acid Resistant DWV Test Tees With Cleanout (22 13 16 00-0803)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0890 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	100.99 16.61	27.69
22 13 16 00-0891 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	111.08 17.29	28.81
22 13 16 00-0892 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	139.54 19.76	32.93
22 13 16 00-0893 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	229.60 26.27	43.78
22 13 16 00-0894 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	335.53 36.38	60.62
22 13 16 00-0895 Glass Acid Resistant DWV Wyes (22 13 16 00-0803)		
22 13 16 00-0896 EA 1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	84.53 16.61	27.69
22 13 16 00-0897 EA 2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	86.77 17.29	28.81
22 13 16 00-0898 EA 3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	112.88 19.76	32.93
22 13 16 00-0899 EA 4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	168.10 26.27	43.78
22 13 16 00-0900 EA 6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	315.83 36.38	60.62
22 13 16 00-0901 Glass Acid Resistant DWV Reducing Wyes (22 13 16 00-0803)		
22 13 16 00-0902 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	86.02 17.06	28.44
22 13 16 00-0903 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	101.62 18.64	31.05
22 13 16 00-0904 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	104.33 19.08	31.81
22 13 16 00-0905 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	138.08 23.13	38.54
22 13 16 00-0906 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	139.37 23.35	38.91
22 13 16 00-0907 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	149.63 24.03	40.04
22 13 16 00-0908 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	233.75 30.08	50.14
22 13 16 00-0909 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	265.34 30.75	51.26
22 13 16 00-0910 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	287.81 32.99	55.01
22 13 16 00-0911 Glass Acid Resistant DWV Double Wyes (22 13 16 00-0803)		
22 13 16 00-0912 EA 1-1/2" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	130.09 22.00	36.66
22 13 16 00-0913 EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	133.84 23.13	38.54
22 13 16 00-0914 EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	172.88 26.49	44.15
22 13 16 00-0915 EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	259.09 35.01	58.37
22 13 16 00-0916 EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	418.26 48.51	80.82
22 13 16 00-0917 Glass Acid Resistant DWV Reducing Double Wyes (22 13 16 00-0803)		
22 13 16 00-0918 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	132.32 22.67	37.79
22 13 16 00-0919 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	137.56 24.24	40.41
22 13 16 00-0920 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	154.49 24.69	41.16
22 13 16 00-0921 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	187.47 28.52	47.52
22 13 16 00-0922 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	196.65 29.19	48.64
22 13 16 00-0923 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	226.41 30.75	51.26
22 13 16 00-0924 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	334.31 35.91	59.87
22 13 16 00-0925 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	350.62 37.49	62.49
22 13 16 00-0926 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	377.14 41.76	69.59
22 13 16 00-0927 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 13 16 00-0803)		
22 13 16 00-0928 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	91.98 16.61	27.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0929	EA		2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	94.53 17.29	28.81
22 13 16 00-0930	EA		3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	117.49 19.76	32.93
22 13 16 00-0931	EA		4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	170.49 26.27	43.78
22 13 16 00-0932	EA		6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	309.11 36.38	60.62
22 13 16 00-0933			Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0903)		
22 13 16 00-0934	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	93.78 17.06	28.44
22 13 16 00-0935	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	102.79 18.64	31.05
22 13 16 00-0936	EA		3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	109.03 19.08	31.81
22 13 16 00-0937	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	135.25 23.13	38.54
22 13 16 00-0938	EA		4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	139.98 23.35	38.91
22 13 16 00-0939	EA		4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	150.34 24.03	40.04
22 13 16 00-0940	EA		6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	234.18 30.08	50.14
22 13 16 00-0941	EA		6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	261.25 30.75	51.26
22 13 16 00-0942	EA		6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	269.00 32.99	55.01
22 13 16 00-0943			Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0903)		
22 13 16 00-0944	EA		1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	123.04 22.00	36.66
22 13 16 00-0945	EA		2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	139.77 23.13	38.54
22 13 16 00-0946	EA		3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	181.81 26.49	44.15
22 13 16 00-0947	EA		4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	279.87 35.01	58.37
22 13 16 00-0948	EA		6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	451.44 48.51	80.82
22 13 16 00-0949			Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0903)		
22 13 16 00-0950	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	126.35 22.67	37.79
22 13 16 00-0951	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	154.21 24.24	40.41
22 13 16 00-0952	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	152.98 24.69	41.16
22 13 16 00-0953	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	199.03 28.52	47.52
22 13 16 00-0954	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	198.48 29.19	48.64
22 13 16 00-0955	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	219.87 30.75	51.26
22 13 16 00-0956	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	304.01 35.91	59.87
22 13 16 00-0957	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	322.88 37.49	62.49
22 13 16 00-0958	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	373.84 41.76	69.59
22 13 16 00-0959			Glass Acid Resistant DWV Partition Crosses (Compact) (22 13 16 00-0903)		
22 13 16 00-0960	EA		2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	135.76 22.67	37.79
22 13 16 00-0961	EA		2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	137.28 23.13	38.54
22 13 16 00-0962	EA		2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	143.77 22.45	37.42
22 13 16 00-0963			Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 13 16 00-0903)		
22 13 16 00-0964	EA		1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	125.63 16.61	27.69
22 13 16 00-0965	EA		2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	137.04 17.29	28.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0966 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	157.50 19.76	32.93
22 13 16 00-0967 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	227.39 26.27	43.78
22 13 16 00-0968 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	409.36 36.38	60.62
22 13 16 00-0969 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <small>(22 13 16 00-0803)</small>		
22 13 16 00-0970 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	126.84 17.06	28.44
22 13 16 00-0971 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	143.65 18.64	31.05
22 13 16 00-0972 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	151.96 19.08	31.81
22 13 16 00-0973 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	177.57 23.13	38.54
22 13 16 00-0974 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	186.44 23.35	38.91
22 13 16 00-0975 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	202.63 24.03	40.04
22 13 16 00-0976 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	286.83 30.75	51.26
22 13 16 00-0977 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	324.02 32.99	55.01
22 13 16 00-0978 Glass Acid Resistant DWV Reducers Or Increasers <small>(22 13 16 00-0803)</small>		
22 13 16 00-0979 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.47 1.20 11.23	18.71
22 13 16 00-0980 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.75 1.79 12.12	20.21
22 13 16 00-0981 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.18 2.00 12.35	20.58
22 13 16 00-0982 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.84 2.80 14.37	23.94
22 13 16 00-0983 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.74 2.97 14.59	24.33
22 13 16 00-0984 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.00 3.21 15.27	25.44
22 13 16 00-0985 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.68 8.12 17.74	29.56
22 13 16 00-0986 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.88 8.64 17.96	29.94
22 13 16 00-0987 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.50 9.23 18.63	31.05
22 13 16 00-0988 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.32 9.50 20.88	34.80
22 13 16 00-0989 Glass Acid Resistant DWV Swivel P-Traps <small>(22 13 16 00-0803)</small>		
22 13 16 00-0990 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	108.33 16.61	27.69
22 13 16 00-0991 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	114.85 17.06	28.44
22 13 16 00-0992 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	126.19 17.29	28.81
22 13 16 00-0993 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	115.19 16.61	27.69
22 13 16 00-0994 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	123.59 17.06	28.44
22 13 16 00-0995 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	136.06 17.29	28.81
22 13 16 00-0996 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	117.07 16.61	27.69
22 13 16 00-0997 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	123.59 17.06	28.44
22 13 16 00-0998 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	136.06 17.29	28.81
22 13 16 00-0999 Glass Acid Resistant DWV Drum P-Traps <small>(22 13 16 00-0803)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1000 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	138.42 16.61	27.69
22 13 16 00-1001 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	168.31 17.06	28.44
22 13 16 00-1002 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	172.83 17.29	28.81
22 13 16 00-1003 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	149.84 16.61	27.69
22 13 16 00-1004 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	158.01 17.06	28.44
22 13 16 00-1005 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	175.04 17.29	28.81
22 13 16 00-1006 Glass Acid Resistant DWV Cleanout Plugs (22 13 16 00-0803)		
22 13 16 00-1007 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	25.72 5.61	9.36
22 13 16 00-1008 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	28.30 5.84	9.73
22 13 16 00-1009 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	34.36 6.51	10.85
22 13 16 00-1010 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	51.95 8.76	14.60
22 13 16 00-1011 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	73.65 12.12	20.21
22 13 16 00-1012 Glass Acid Resistant DWV Sink Fittings (22 13 16 00-0803)		
22 13 16 00-1013 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	274.17 22.00	36.66
22 13 16 00-1014 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	31.73 5.61	9.36
22 13 16 00-1015 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	34.23 5.61	9.36
22 13 16 00-1016 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	52.84 11.23	18.71
22 13 16 00-1017 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	90.40 11.67	19.46
22 13 16 00-1018 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	91.34 11.67	19.46
22 13 16 00-1019 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	100.74 11.67	19.46
22 13 16 00-1020 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	85.32 11.67	19.46
22 13 16 00-1021 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 13 16 00-0803)		
Note: Includes teflon spacer.		
22 13 16 00-1022 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	90.11 16.57	27.62
22 13 16 00-1023 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	94.17 17.38	28.96
22 13 16 00-1024 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	123.86 19.81	33.00
22 13 16 00-1025 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	173.73 26.29	43.86
22 13 16 00-1026 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 13 16 00-0803)		
Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 13 16 00-1027 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	11.80	
22 13 16 00-1028 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	14.89	
22 13 16 00-1029 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	19.91	
22 13 16 00-1030 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	33.54	
22 13 16 00-1031 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	78.13	
22 13 16 00-1032 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 13 16 00-0803)		
Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 13 16 00-1033 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	15.22	
22 13 16 00-1034 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	19.04	
22 13 16 00-1035 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	32.33	
22 13 16 00-1036 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	48.20	
22 13 16 00-1037 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	117.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1038			Polyvinyl Chloride (PVC) DWV Pipe And Fittings <small>(22 13 16)</small> Note: Aboveground installation. See CSI section 33 31 00 00-0002 for underground installation.		
22 13 16 00-1039			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-1038)</small> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-1040	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	15.60	3.14
			<i>For Work In Restricted Working Space, Add</i>	4.31	
22 13 16 00-1041	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.29	3.74
			<i>For Work In Restricted Working Space, Add</i>	4.77	
22 13 16 00-1042	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.28	5.39
			<i>For Work In Restricted Working Space, Add</i>	5.92	
22 13 16 00-1043	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	25.12	5.84
			<i>For Work In Restricted Working Space, Add</i>	6.58	
22 13 16 00-1044	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.85	7.48
			<i>For Work In Restricted Working Space, Add</i>	8.75	
22 13 16 00-1045	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.52	9.95
			<i>For Work In Restricted Working Space, Add</i>	11.09	
22 13 16 00-1046	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	67.78	13.32
			<i>For Work In Restricted Working Space, Add</i>	14.45	
22 13 16 00-1047			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-1038)</small> Note: Excludes fittings or hangers.		
22 13 16 00-1048			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <small>(22 13 16 00-1047)</small> Note: Excludes fittings or hangers.		
22 13 16 00-1049	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	5.19	3.14
			<i>For Work In Restricted Working Space, Add</i>	1.40	
22 13 16 00-1050	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	6.30	3.74
			<i>For Work In Restricted Working Space, Add</i>	1.68	
22 13 16 00-1051	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	9.43	5.39
			<i>For Work In Restricted Working Space, Add</i>	2.42	
22 13 16 00-1052	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	10.68	5.84
			<i>For Work In Restricted Working Space, Add</i>	2.62	
22 13 16 00-1053	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	14.32	7.26
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 13 16 00-1054	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	20.41	9.65
			<i>For Work In Restricted Working Space, Add</i>	4.35	
22 13 16 00-1055	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	28.39	12.91
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 13 16 00-1056			Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-1047)</small> Note: Excludes fittings or hangers.		
22 13 16 00-1057	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	5.08	3.14
			<i>For Work In Restricted Working Space, Add</i>	1.40	
22 13 16 00-1058	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	6.17	3.74
			<i>For Work In Restricted Working Space, Add</i>	1.68	
22 13 16 00-1059	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	9.20	5.39
			<i>For Work In Restricted Working Space, Add</i>	2.42	
22 13 16 00-1060	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	10.39	5.84
			<i>For Work In Restricted Working Space, Add</i>	2.62	
22 13 16 00-1061	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	13.77	7.26
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 13 16 00-1062	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	19.03	9.65
			<i>For Work In Restricted Working Space, Add</i>	4.35	
22 13 16 00-1063	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	26.89	12.91
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 13 16 00-1064			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) <small>(22 13 16 00-1038)</small>		
22 13 16 00-1065			Polyvinyl Chloride (PVC) DWV 1/4 Bends <small>(22 13 16 00-1064)</small>		
22 13 16 00-1066	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	19.20	12.50
			<i>For Work In Restricted Working Space, Add</i>	5.61	
22 13 16 00-1067	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	24.56	15.94
			<i>For Work In Restricted Working Space, Add</i>	7.18	
22 13 16 00-1068	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	34.09	21.40
			<i>For Work In Restricted Working Space, Add</i>	9.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1069	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	41.48 11.23	24.92
22 13 16 00-1070	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	73.35 14.59	32.40
22 13 16 00-1071	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	107.80 19.64	43.63
22 13 16 00-1072	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	143.10 26.19	58.15
22 13 16 00-1073			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-1064)		
22 13 16 00-1074	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	20.56 5.61	12.50
22 13 16 00-1075	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	25.34 7.18	15.94
22 13 16 00-1076	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	36.11 9.65	21.40
22 13 16 00-1077	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	45.18 11.23	24.92
22 13 16 00-1078	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	66.21 14.59	32.40
22 13 16 00-1079	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	98.42 19.64	43.63
22 13 16 00-1080	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	142.93 26.19	58.15
22 13 16 00-1081			Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-1064)		
22 13 16 00-1082	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	19.31 5.61	12.50
22 13 16 00-1083	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	24.55 7.18	15.94
22 13 16 00-1084	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	33.93 9.65	21.40
22 13 16 00-1085	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	40.66 11.23	24.92
22 13 16 00-1086	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	71.26 14.59	32.40
22 13 16 00-1087	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	102.94 19.64	43.63
22 13 16 00-1088	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	128.80 26.19	58.15
22 13 16 00-1089			Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-1064)		
22 13 16 00-1090	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	28.93 8.42	18.71
22 13 16 00-1091	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	37.16 10.78	23.94
22 13 16 00-1092	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	51.57 14.48	32.18
22 13 16 00-1093	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	62.43 16.84	37.42
22 13 16 00-1094	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	109.62 21.89	48.57
22 13 16 00-1095	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	145.59 29.47	65.40
22 13 16 00-1096			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-1064)		
22 13 16 00-1097	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	32.25 9.20	20.43
22 13 16 00-1098	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	35.47 9.99	22.15
22 13 16 00-1099	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	34.54 9.99	22.15
22 13 16 00-1100	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	44.06 12.46	27.69
22 13 16 00-1101	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	46.56 13.25	29.41
22 13 16 00-1102	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	50.17 14.03	31.13
22 13 16 00-1103	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	57.94 14.82	32.93
22 13 16 00-1104	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	65.12 16.05	35.62
22 13 16 00-1105	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	102.80 20.21	44.82
22 13 16 00-1106	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	207.55 25.26	56.05
22 13 16 00-1107	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	217.14 26.94	59.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1108				Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <small>(22 13 16 00-1064)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	40.03	24.92
				<i>For Work In Restricted Working Space, Add</i>	11.23	
			EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	51.73	31.88
				<i>For Work In Restricted Working Space, Add</i>	14.37	
			EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	75.08	42.88
				<i>For Work In Restricted Working Space, Add</i>	19.31	
			EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	92.10	49.84
				<i>For Work In Restricted Working Space, Add</i>	22.45	
22 13 16 00-1113				Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-1064)</small>		
			EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	46.12	28.44
				<i>For Work In Restricted Working Space, Add</i>	12.80	
			EA	3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	59.01	33.90
				<i>For Work In Restricted Working Space, Add</i>	15.27	
			EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	65.76	37.42
				<i>For Work In Restricted Working Space, Add</i>	16.84	
			EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	82.56	40.87
				<i>For Work In Restricted Working Space, Add</i>	18.41	
			EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	91.37	46.32
				<i>For Work In Restricted Working Space, Add</i>	20.88	
22 13 16 00-1119				Polyvinyl Chloride (PVC) DWV Reducers <small>(22 13 16 00-1064)</small>		
			EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	22.29	14.22
				<i>For Work In Restricted Working Space, Add</i>	6.40	
			EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	28.54	16.91
				<i>For Work In Restricted Working Space, Add</i>	7.63	
			EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	30.65	18.71
				<i>For Work In Restricted Working Space, Add</i>	8.42	
			EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	35.81	20.43
				<i>For Work In Restricted Working Space, Add</i>	9.20	
			EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	40.17	23.20
				<i>For Work In Restricted Working Space, Add</i>	10.44	
			EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	67.52	26.94
				<i>For Work In Restricted Working Space, Add</i>	12.12	
			EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	64.81	28.67
				<i>For Work In Restricted Working Space, Add</i>	12.91	
			EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	111.20	34.28
				<i>For Work In Restricted Working Space, Add</i>	15.44	
			EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	106.22	38.01
				<i>For Work In Restricted Working Space, Add</i>	17.12	
			EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	134.88	45.28
				<i>For Work In Restricted Working Space, Add</i>	20.39	
			EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers.....	126.59	50.89
				<i>For Work In Restricted Working Space, Add</i>	22.92	
22 13 16 00-1131				Polyvinyl Chloride (PVC) DWV P-Traps <small>(22 13 16 00-1064)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps.....	29.76	18.71
				<i>For Work In Restricted Working Space, Add</i>	8.42	
			EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	38.23	23.94
				<i>For Work In Restricted Working Space, Add</i>	10.78	
			EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	59.80	32.18
				<i>For Work In Restricted Working Space, Add</i>	14.48	
			EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	83.58	37.42
				<i>For Work In Restricted Working Space, Add</i>	16.84	
			EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	121.50	48.57
				<i>For Work In Restricted Working Space, Add</i>	21.89	
22 13 16 00-1137				Polyvinyl Chloride (PVC) DWV Closet Flanges <small>(22 13 16 00-1064)</small>		
			EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	40.68	24.92
				<i>For Work In Restricted Working Space, Add</i>	11.23	
			EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	37.08	23.20
				<i>For Work In Restricted Working Space, Add</i>	10.44	
22 13 16 00-1140				Polyvinyl Chloride (PVC) DWV Wyes <small>(22 13 16 00-1064)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes.....	29.80	18.71
				<i>For Work In Restricted Working Space, Add</i>	8.42	
			EA	2" Polyvinyl Chloride (PVC) DWV Wyes	37.67	23.94
				<i>For Work In Restricted Working Space, Add</i>	10.78	
			EA	3" Polyvinyl Chloride (PVC) DWV Wyes.....	52.22	32.18
				<i>For Work In Restricted Working Space, Add</i>	14.48	
			EA	4" Polyvinyl Chloride (PVC) DWV Wyes	63.48	37.42
				<i>For Work In Restricted Working Space, Add</i>	16.84	
			EA	6" Polyvinyl Chloride (PVC) DWV Wyes	105.66	48.57
				<i>For Work In Restricted Working Space, Add</i>	21.89	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1146	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	138.08 29.47	65.40
22 13 16 00-1147	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	183.26 39.29	87.18
22 13 16 00-1148			Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-1064)		
22 13 16 00-1149	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	33.78 9.20	20.43
22 13 16 00-1150	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	36.37 9.99	22.15
22 13 16 00-1151	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	46.35 12.46	27.69
22 13 16 00-1152	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	47.20 13.25	29.41
22 13 16 00-1153	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	54.43 14.03	31.13
22 13 16 00-1154	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	55.31 14.82	32.93
22 13 16 00-1155	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	60.41 16.05	35.62
22 13 16 00-1156	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	94.39 19.42	43.10
22 13 16 00-1157	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	105.29 20.21	44.82
22 13 16 00-1158	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	118.35 25.26	56.05
22 13 16 00-1159	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	134.50 26.94	59.79
22 13 16 00-1160	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	144.51 31.81	70.57
22 13 16 00-1161	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	161.56 33.49	74.32
22 13 16 00-1162	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	179.12 36.02	79.93
22 13 16 00-1163			Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-1064)		
22 13 16 00-1164	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	41.12 11.23	24.92
22 13 16 00-1165	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	52.65 14.37	31.88
22 13 16 00-1166	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	76.62 19.31	42.88
22 13 16 00-1167	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	99.72 22.45	49.84
22 13 16 00-1168	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	153.63 29.18	64.81
22 13 16 00-1169	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	194.57 39.29	87.26
22 13 16 00-1170	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	275.96 52.38	116.30
22 13 16 00-1171			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-1064)		
22 13 16 00-1172	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	47.00 12.80	28.44
22 13 16 00-1173	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	61.66 15.27	33.90
22 13 16 00-1174	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	65.27 16.84	37.42
22 13 16 00-1175	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	76.28 18.41	40.87
22 13 16 00-1176	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	89.29 20.88	46.32
22 13 16 00-1177	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	118.42 25.82	57.32
22 13 16 00-1178	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	140.58 30.87	68.55
22 13 16 00-1179	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	163.66 34.24	76.03
22 13 16 00-1180	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	176.67 37.42	83.07
22 13 16 00-1181	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	205.85 40.79	90.55
22 13 16 00-1182	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	238.40 45.83	101.77
22 13 16 00-1183			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-1064)		
22 13 16 00-1184	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	30.88 8.42	18.71



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 13 16 00-1185 EA 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 39.35		23.94
				<i>For Work In Restricted Working Space, Add</i> 10.78		
				22 13 16 00-1186 EA 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 57.30		32.18
				<i>For Work In Restricted Working Space, Add</i> 14.48		
				22 13 16 00-1187 EA 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 74.87		37.42
				<i>For Work In Restricted Working Space, Add</i> 16.84		
22 13 16 00-1188				Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends		
				<small>(22 13 16 00-1064)</small>		
				22 13 16 00-1189 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 40.41		22.15
				<i>For Work In Restricted Working Space, Add</i> 9.99		
				22 13 16 00-1190 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 53.89		27.69
				<i>For Work In Restricted Working Space, Add</i> 12.46		
				22 13 16 00-1191 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 51.87		29.41
				<i>For Work In Restricted Working Space, Add</i> 13.25		
				22 13 16 00-1192 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 66.58		32.93
				<i>For Work In Restricted Working Space, Add</i> 14.82		
				22 13 16 00-1193 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends 72.12		35.62
				<i>For Work In Restricted Working Space, Add</i> 16.05		
22 13 16 00-1194				Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends		
				<small>(22 13 16 00-1064)</small>		
				22 13 16 00-1195 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 41.96		24.92
				<i>For Work In Restricted Working Space, Add</i> 11.23		
				22 13 16 00-1196 EA 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 52.74		31.88
				<i>For Work In Restricted Working Space, Add</i> 14.37		
				22 13 16 00-1197 EA 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 72.77		42.88
				<i>For Work In Restricted Working Space, Add</i> 19.31		
				22 13 16 00-1198 EA 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 119.19		49.84
				<i>For Work In Restricted Working Space, Add</i> 22.45		
				22 13 16 00-1199 EA 6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 258.31		64.81
				<i>For Work In Restricted Working Space, Add</i> 29.18		
22 13 16 00-1200				Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends		
				<small>(22 13 16 00-1064)</small>		
				22 13 16 00-1201 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 57.50		28.44
				<i>For Work In Restricted Working Space, Add</i> 12.80		
				22 13 16 00-1202 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 81.28		37.42
				<i>For Work In Restricted Working Space, Add</i> 16.84		
				22 13 16 00-1203 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 108.22		40.87
				<i>For Work In Restricted Working Space, Add</i> 18.41		
				22 13 16 00-1204 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 110.60		46.32
				<i>For Work In Restricted Working Space, Add</i> 20.88		
				22 13 16 00-1205 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends 191.26		57.32
				<i>For Work In Restricted Working Space, Add</i> 25.82		
22 13 16 00-1206				Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug		
				<small>(22 13 16 00-1064)</small>		
				22 13 16 00-1207 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug 44.18		23.94
				<i>For Work In Restricted Working Space, Add</i> 10.78		
				22 13 16 00-1208 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug 64.05		32.18
				<i>For Work In Restricted Working Space, Add</i> 14.48		
				22 13 16 00-1209 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug 83.58		37.42
				<i>For Work In Restricted Working Space, Add</i> 16.84		
				22 13 16 00-1210 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug 152.75		48.57
				<i>For Work In Restricted Working Space, Add</i> 21.89		
				22 13 16 00-1211 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug 197.55		65.40
				<i>For Work In Restricted Working Space, Add</i> 29.47		
				22 13 16 00-1212 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug 262.71		87.18
				<i>For Work In Restricted Working Space, Add</i> 39.29		
22 13 16 00-1213				Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug		
				<small>(22 13 16 00-1064)</small>		
				22 13 16 00-1214 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug 20.14		12.50
				<i>For Work In Restricted Working Space, Add</i> 5.61		
				22 13 16 00-1215 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug 26.25		15.94
				<i>For Work In Restricted Working Space, Add</i> 7.18		
				22 13 16 00-1216 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug 35.73		21.40
				<i>For Work In Restricted Working Space, Add</i> 9.65		
				22 13 16 00-1217 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug 45.75		24.92
				<i>For Work In Restricted Working Space, Add</i> 11.23		
				22 13 16 00-1218 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug 71.52		32.40
				<i>For Work In Restricted Working Space, Add</i> 14.59		
				22 13 16 00-1219 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug 121.26		43.63
				<i>For Work In Restricted Working Space, Add</i> 19.64		
				22 13 16 00-1220 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug 193.38		58.15
				<i>For Work In Restricted Working Space, Add</i> 26.18		
22 13 16 00-1221				Polyvinyl Chloride (PVC) Couplings		
				<small>(22 13 16 00-1064)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1222 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	19.13 5.61	12.50
22 13 16 00-1223 EA 2" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	24.42 7.18	15.94
22 13 16 00-1224 EA 3" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	33.40 9.65	21.40
22 13 16 00-1225 EA 4" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	39.42 11.23	24.92
22 13 16 00-1226 EA 6" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	59.67 14.59	32.40
22 13 16 00-1227 EA 8" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	97.35 19.64	43.63
22 13 16 00-1228 EA 10" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	136.70 26.19	58.15
22 13 16 00-1229 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-1064)		
22 13 16 00-1230 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters	9.79	6.21
22 13 16 00-1231 EA 2" Polyvinyl Chloride (PVC) Male Adapters	13.03	8.01
22 13 16 00-1232 EA 3" Polyvinyl Chloride (PVC) Male Adapters	19.01	10.70
22 13 16 00-1233 EA 4" Polyvinyl Chloride (PVC) Male Adapters	25.41	12.50
22 13 16 00-1234 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-1038) Note: In place piping.		
22 13 16 00-1235 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	5.49	
22 13 16 00-1236 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	6.04	
22 13 16 00-1237 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.68	
22 13 16 00-1238 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	10.37	
22 13 16 00-1239 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	14.81	
22 13 16 00-1240 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	19.75	
22 13 16 00-1241 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	24.15	
22 13 16 00-1242 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe And Fittings (22 13 16) Note: Aboveground installation.		
22 13 16 00-1243 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-1242) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-1244 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	15.60	3.14
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.31	
22 13 16 00-1245 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	17.29	3.74
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.77	
22 13 16 00-1246 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	22.28	5.39
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.92	
22 13 16 00-1247 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	25.12	5.84
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.58	
22 13 16 00-1248 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	36.85	7.48
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	8.75	
22 13 16 00-1249 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-1242) Note: Excludes fittings or hangers.		
22 13 16 00-1250 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	5.12	3.14
<i>For Work In Restricted Working Space, Add</i>	1.40	
22 13 16 00-1251 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	6.22	3.74
<i>For Work In Restricted Working Space, Add</i>	1.68	
22 13 16 00-1252 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	9.31	5.39
<i>For Work In Restricted Working Space, Add</i>	2.42	
22 13 16 00-1253 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.53	5.84
<i>For Work In Restricted Working Space, Add</i>	2.62	
22 13 16 00-1254 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	14.53	7.26
<i>For Work In Restricted Working Space, Add</i>	3.26	
22 13 16 00-1255 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-1242)		
22 13 16 00-1256 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-1255)		
22 13 16 00-1257 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	20.63	12.50
<i>For Work In Restricted Working Space, Add</i>	5.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1258	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	26.68 7.18	15.94
22 13 16 00-1259	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	40.65 9.65	21.40
22 13 16 00-1260	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	54.01 11.23	24.92
22 13 16 00-1261	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	110.55 14.59	32.40
22 13 16 00-1262			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-1255)		
22 13 16 00-1263	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	23.29 5.61	12.50
22 13 16 00-1264	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	29.28 7.18	15.94
22 13 16 00-1265	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	47.10 9.65	21.40
22 13 16 00-1266	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	66.85 11.23	24.92
22 13 16 00-1267			Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-1255)		
22 13 16 00-1268	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	20.99 5.61	12.50
22 13 16 00-1269	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	26.43 7.18	15.94
22 13 16 00-1270	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	39.32 9.65	21.40
22 13 16 00-1271	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	51.56 11.23	24.92
22 13 16 00-1272	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	113.12 14.59	32.40
22 13 16 00-1273			Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-1255)		
22 13 16 00-1274	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	31.34 8.42	18.71
22 13 16 00-1275	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	40.84 10.78	23.94
22 13 16 00-1276	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	60.81 14.48	32.18
22 13 16 00-1277	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	80.23 16.84	37.42
22 13 16 00-1278	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	203.61 21.89	48.57
22 13 16 00-1279			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-1255)		
22 13 16 00-1280	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	35.90 9.20	20.43
22 13 16 00-1281	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	40.63 9.99	22.15
22 13 16 00-1282	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	38.02 9.99	22.15
22 13 16 00-1283	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	51.11 12.46	27.69
22 13 16 00-1284	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	53.82 13.25	29.41
22 13 16 00-1285	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	81.51 14.03	31.13
22 13 16 00-1286	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	81.83 14.82	32.93
22 13 16 00-1287	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	91.53 16.05	35.62
22 13 16 00-1288	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	213.42 20.21	44.82
22 13 16 00-1289			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-1255)		
22 13 16 00-1290	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	47.37 11.23	24.92
22 13 16 00-1291	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	62.42 14.37	31.88
22 13 16 00-1292	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	105.13 19.31	42.88
22 13 16 00-1293	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	140.19 22.45	49.84
22 13 16 00-1294			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-1255)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1295	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	53.94 12.80	28.44
22 13 16 00-1296	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	71.67 15.27	33.90
22 13 16 00-1297	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	80.72 16.84	37.42
22 13 16 00-1298	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	113.66 17.85	39.62
22 13 16 00-1299	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	123.13 20.24	44.91
22 13 16 00-1300	Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-1255)				
22 13 16 00-1301	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	34.65 8.42	18.71
22 13 16 00-1302	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	42.69 10.78	23.94
22 13 16 00-1303	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	63.25 14.48	32.18
22 13 16 00-1304	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	84.05 16.84	37.42
22 13 16 00-1305	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	175.40 21.89	48.57
22 13 16 00-1306	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-1255)				
22 13 16 00-1307	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	42.44 9.20	20.43
22 13 16 00-1308	EA		2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	44.94 9.99	22.15
22 13 16 00-1309	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	55.79 13.25	29.41
22 13 16 00-1310	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	71.83 14.82	32.93
22 13 16 00-1311	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	79.71 16.05	35.62
22 13 16 00-1312	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	151.99 20.21	44.82
22 13 16 00-1313	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-1255)				
22 13 16 00-1314	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	51.44 11.23	24.92
22 13 16 00-1315	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	65.94 14.37	31.88
22 13 16 00-1316	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	110.98 19.31	42.88
22 13 16 00-1317	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	169.31 22.45	49.84
22 13 16 00-1318	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-1255)				
22 13 16 00-1319	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	59.14 12.80	28.44
22 13 16 00-1320	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	83.78 15.27	33.90
22 13 16 00-1321	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	90.75 16.84	37.42
22 13 16 00-1322	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	118.00 18.41	40.87
22 13 16 00-1323	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	144.40 20.88	46.32
22 13 16 00-1324	Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-1255)				
22 13 16 00-1325	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	38.59 8.42	18.71
22 13 16 00-1326	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	49.61 10.78	23.94
22 13 16 00-1327	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.82 14.48	32.18
22 13 16 00-1328	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	98.69 16.33	36.28
22 13 16 00-1329	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-1255)				
22 13 16 00-1330	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	44.38 9.99	22.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1331	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	67.78 12.46	27.69
22 13 16 00-1332	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	60.55 13.25	29.41
22 13 16 00-1333	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	85.94 14.82	32.93
22 13 16 00-1334	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	93.07 16.05	35.62
22 13 16 00-1335			Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-1255)</small>		
22 13 16 00-1336	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	72.68 14.37	31.88
22 13 16 00-1337	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	121.50 19.31	42.88
22 13 16 00-1338			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-1255)</small>		
22 13 16 00-1339	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	62.60 12.80	28.44
22 13 16 00-1340	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	112.31 16.84	37.42
22 13 16 00-1341			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-1255)</small>		
22 13 16 00-1342	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	40.45 8.42	18.71
22 13 16 00-1343	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	51.46 10.78	23.94
22 13 16 00-1344	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	74.97 14.48	32.18
22 13 16 00-1345	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	106.04 16.84	37.42
22 13 16 00-1346			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-1255)</small>		
22 13 16 00-1347	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	22.96 5.61	12.50
22 13 16 00-1348	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	30.79 7.18	15.94
22 13 16 00-1349	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	42.71 9.65	21.40
22 13 16 00-1350	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	62.22 11.23	24.92
22 13 16 00-1351	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	116.72 14.59	32.40
22 13 16 00-1352			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-1255)</small>		
22 13 16 00-1353	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	20.17 5.61	12.50
22 13 16 00-1354	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	25.48 7.18	15.94
22 13 16 00-1355	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	36.38 9.65	21.40
22 13 16 00-1356	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	44.34 11.23	24.92
22 13 16 00-1357	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	82.85 14.59	32.40
22 13 16 00-1358			Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <small>(22 13 16 00-1255)</small>		
22 13 16 00-1359	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	25.03 6.40	14.22
22 13 16 00-1360	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	37.20 7.63	16.91
22 13 16 00-1361	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	37.92 8.42	18.71
22 13 16 00-1362	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	50.14 9.20	20.43
22 13 16 00-1363	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	55.16 10.44	23.20
22 13 16 00-1364			Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <small>(22 13 16 00-1255)</small>		
22 13 16 00-1365	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	35.25 8.42	18.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1366	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	47.56 10.78	23.94
22 13 16 00-1367	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	101.61 14.48	32.18
22 13 16 00-1368	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	165.40 16.84	37.42
22 13 16 00-1369			Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-1255)		
22 13 16 00-1370	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	47.46 11.23	24.92
22 13 16 00-1371	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	44.22 10.44	23.20
22 13 16 00-1372			Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-1255)		
22 13 16 00-1373	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	11.23 2.81	6.21
22 13 16 00-1374	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	15.29 3.59	8.01
22 13 16 00-1375	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	25.74 4.83	10.70
22 13 16 00-1376	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.05 5.61	12.50
22 13 16 00-1377			Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-1255)		
22 13 16 00-1378	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	22.86 6.40	14.22
22 13 16 00-1379	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.77 7.63	16.91
22 13 16 00-1380	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	33.35 8.42	18.71
22 13 16 00-1381	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	49.87 9.20	20.43
22 13 16 00-1382	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	45.92 10.44	23.20
22 13 16 00-1383	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	85.33 12.52	27.79
22 13 16 00-1384			Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-1255)		
22 13 16 00-1385	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	25.71 5.61	12.50
22 13 16 00-1386	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	31.41 7.18	15.94
22 13 16 00-1387	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	40.11 9.65	21.40
22 13 16 00-1388	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	45.82 11.23	24.92
22 13 16 00-1389			Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-1242) Note: In place piping.		
22 13 16 00-1390	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.49	
22 13 16 00-1391	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	6.04	
22 13 16 00-1392	EA		3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	7.68	
22 13 16 00-1393	EA		4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	10.37	
22 13 16 00-1394	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	14.81	
22 13 16 00-1395			Polypropylene Acid Resistant DWV Pipe And Fittings (22 13 16)		
22 13 16 00-1396			Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings (22 13 16 00-1395)		
22 13 16 00-1397			Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 13 16 00-1396)		
22 13 16 00-1398	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Proxylene Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.02 1.87 1.60 1.93	4.26
22 13 16 00-1399	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Proxylene Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.08 2.52 2.16 2.17	4.78
22 13 16 00-1400	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Proxylene Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.23 4.56 3.90 3.14	6.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1401	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Proxylene Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.04 6.46 5.53 4.08	9.06
22 13 16 00-1402	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Proxylene Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.36 11.65 9.97 5.99	13.32
22 13 16 00-1403			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 13 16 00-1396)		
22 13 16 00-1404	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	38.60 7.24	16.09
22 13 16 00-1405	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	49.81 9.56	21.25
22 13 16 00-1406	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	66.99 10.95	24.33
22 13 16 00-1407	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	96.82 14.48	32.18
22 13 16 00-1408	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	190.57 21.38	47.52
22 13 16 00-1409			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 13 16 00-1396)		
22 13 16 00-1410	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	38.36 7.24	16.09
22 13 16 00-1411	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	49.16 9.56	21.25
22 13 16 00-1412	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	68.24 10.95	24.33
22 13 16 00-1413	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	84.28 14.48	32.18
22 13 16 00-1414	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	171.13 21.38	47.52
22 13 16 00-1415			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 13 16 00-1396)		
22 13 16 00-1416	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	69.57 15.48	34.43
22 13 16 00-1417	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	86.59 19.52	43.40
22 13 16 00-1418	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	114.32 21.38	47.52
22 13 16 00-1419	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	158.02 28.07	62.41
22 13 16 00-1420	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	277.89 44.90	99.83
22 13 16 00-1421			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 13 16 00-1396)		
22 13 16 00-1422	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	86.56 19.52	43.40
22 13 16 00-1423	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	111.32 21.38	47.52
22 13 16 00-1424	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	108.65 21.38	47.52
22 13 16 00-1425	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	151.17 28.07	62.41
22 13 16 00-1426	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	153.75 28.07	62.41
22 13 16 00-1427	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	258.81 44.90	99.83
22 13 16 00-1428			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 13 16 00-1396)		
22 13 16 00-1429	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	78.34 15.48	34.43
22 13 16 00-1430	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	88.71 19.52	43.40
22 13 16 00-1431	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	120.82 21.38	47.52
22 13 16 00-1432	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	161.01 28.07	62.41
22 13 16 00-1433	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	240.89 44.90	99.83
22 13 16 00-1434			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 13 16 00-1396)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1435 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	74.50 15.48	34.43
22 13 16 00-1436 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	91.15 19.52	43.40
22 13 16 00-1437 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	117.04 21.38	47.52
22 13 16 00-1438 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	160.27 28.07	62.41
22 13 16 00-1439 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	319.06 44.90	99.83
22 13 16 00-1440 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 13		
16 00-1396)		
22 13 16 00-1441 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	97.18 19.52	43.40
22 13 16 00-1442 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	113.95 21.38	47.52
22 13 16 00-1443 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	113.95 21.38	47.52
22 13 16 00-1444 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	157.60 28.07	62.41
22 13 16 00-1445 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	157.60 28.07	62.41
22 13 16 00-1446 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	283.60 44.90	99.83
22 13 16 00-1447 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	285.67 44.90	99.83
22 13 16 00-1448 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	259.68 44.90	99.83
22 13 16 00-1449 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22		
13 16 00-1396)		
22 13 16 00-1450 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	92.68 19.36	43.03
22 13 16 00-1451 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	115.09 24.41	54.25
22 13 16 00-1452 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	156.58 26.73	59.42
22 13 16 00-1453 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	218.00 35.08	77.98
22 13 16 00-1454 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	388.09 56.13	124.75
22 13 16 00-1455 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye		
And 1/8 Bends (22 13 16 00-1396)		
22 13 16 00-1456 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	67.97 15.48	34.43
22 13 16 00-1457 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	88.97 19.52	43.40
22 13 16 00-1458 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	101.85 21.38	47.52
22 13 16 00-1459 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	141.11 28.07	62.41
22 13 16 00-1460 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	81.86 19.52	43.40
22 13 16 00-1461 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	98.99 21.38	47.52
22 13 16 00-1462 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	100.14 21.38	47.52
22 13 16 00-1463 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	136.85 28.07	62.41
22 13 16 00-1464 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	137.58 28.07	62.41
22 13 16 00-1465 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 13 16 00-1396)		
22 13 16 00-1466 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	80.39 17.96	39.96
22 13 16 00-1467 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	107.01 23.63	52.54
22 13 16 00-1468 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	162.44 32.07	71.32
22 13 16 00-1469 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	229.37 40.82	90.78
22 13 16 00-1470 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 13 16		
00-1396)		
22 13 16 00-1471 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	37.92 7.24	16.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1472	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	46.21 9.56	21.25
22 13 16 00-1473	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	54.27 10.95	24.33
22 13 16 00-1474	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	73.90 14.48	32.18
22 13 16 00-1475	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	109.63 21.38	47.52
22 13 16 00-1476			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 13 16 00-1396)</small>		
22 13 16 00-1477	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	36.19 7.24	16.09
22 13 16 00-1478	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	47.52 9.56	21.25
22 13 16 00-1479	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	56.67 10.95	24.33
22 13 16 00-1480	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	76.25 14.48	32.18
22 13 16 00-1481			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings <small>(22 13 16 00-1396)</small>		
22 13 16 00-1482	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	34.04 7.24	16.09
22 13 16 00-1483	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	43.66 9.56	21.25
22 13 16 00-1484	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	50.83 10.95	24.33
22 13 16 00-1485	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	67.23 14.48	32.18
22 13 16 00-1486	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	98.82 21.38	47.52
22 13 16 00-1487			Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16)</small>		
22 13 16 00-1488			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-1487)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-1489	EA		1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.72	3.25
22 13 16 00-1490	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.86	3.45
22 13 16 00-1491	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	10.38	3.65
22 13 16 00-1492	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	11.85	3.87
22 13 16 00-1493	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.29	4.07
22 13 16 00-1494	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	16.64	4.27
22 13 16 00-1495	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	20.00	4.47
22 13 16 00-1496	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	26.77	4.87
22 13 16 00-1497	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	35.03	5.69
22 13 16 00-1498			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings <small>(22 13 16 00-1487)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-1499	EA		1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	10.35	3.45
22 13 16 00-1500	EA		2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	10.55	3.65
22 13 16 00-1501	EA		3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	13.76	3.87
22 13 16 00-1502	EA		3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	12.35	3.87
22 13 16 00-1503	EA		4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	16.93	4.07
22 13 16 00-1504	EA		4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	16.21	4.07
22 13 16 00-1505	EA		4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	14.87	4.07
22 13 16 00-1506	EA		5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	21.50	4.27
22 13 16 00-1507	EA		5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	19.46	4.27
22 13 16 00-1508	EA		6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	26.57	4.47
22 13 16 00-1509	EA		6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	23.51	4.47
22 13 16 00-1510	EA		6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	24.36	4.47
22 13 16 00-1511	EA		8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	47.80	8.12



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-1512	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	39.30	8.12
22 13 16 00-1513	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	49.67	9.14
22 13 16 00-1514		Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps ^(22 13 16) Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-1515	EA	1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	36.16	21.95
22 13 16 00-1516	EA	2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	38.82	23.33
22 13 16 00-1517	EA	3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	44.98	26.75
22 13 16 00-1518	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	59.34	35.36
22 13 16 00-1519	EA	5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	71.16	42.28
22 13 16 00-1520	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	81.94	48.78
22 13 16 00-1521	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	110.42	61.79
22 13 16 00-1522		Cast Iron Vent Stack Flashing Sleeves With Caulking Recess ^(22 13 16) Note: Josam 26450 Series.		
22 13 16 00-1523	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	53.99	16.84
22 13 16 00-1524	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	57.74	18.71
22 13 16 00-1525	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	83.48	24.33
22 13 16 00-1526	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	97.50	28.06
22 13 16 00-1527	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	112.96	31.81
22 13 16 00-1528	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	175.60	35.55
22 13 16 00-1529		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess ^(22 13 16) Note: Josam 26440 Series		
22 13 16 00-1530	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	96.81	16.84
22 13 16 00-1531	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	100.56	18.71
22 13 16 00-1532	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	121.22	24.33
22 13 16 00-1533	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	149.75	28.06
22 13 16 00-1534	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	199.33	31.81
22 13 16 00-1535	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	206.81	35.55
22 13 16 00-1536		Cast Iron Vandal Proof Hooded Vent Cap ^(22 13 16) Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-1537	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	173.01	16.84
22 13 16 00-1538	EA	2" Cast Iron Vandal Proof Hooded Vent Cap.....	176.76	18.71
22 13 16 00-1539	EA	3" Cast Iron Vandal Proof Hooded Vent Cap.....	205.40	24.33
22 13 16 00-1540	EA	4" Cast Iron Vandal Proof Hooded Vent Cap.....	231.76	28.06
22 13 16 00-1541	EA	5" Cast Iron Vandal Proof Hooded Vent Cap.....	269.73	31.81
22 13 16 00-1542	EA	6" Cast Iron Vandal Proof Hooded Vent Cap.....	295.35	35.55
22 13 19		Sanitary Waste Piping Specialties ^(22 13)		
22 13 19 13		Sanitary Drains ^(22 13 19)		
22 13 19 13-0001		Round Top Floor Drains ^(22 13 19 13)		
22 13 19 13-0002	EA	6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top.....	269.37	80.45
		<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0003	EA	6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	298.53	90.18
		<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0004	EA	6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	308.06	99.76
		<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0005	EA	6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	328.61	110.08
		<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0006	EA	9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	283.83	90.18
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	48.00	
		<i>For Cast Iron Dome Grate, Add</i>	17.00	
		<i>For Nikaloy Dome Grate, Add</i>	178.50	
		<i>For Bronze Dome Grate, Add</i>	143.00	
		<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
		<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	



Plumbing	22
Plumbing Piping	22 10
Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0007 EA 9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	303.06	99.76
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0008 EA 9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	323.61	110.08
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0009 EA 9" Round Top Floor Drain With 2" Outlet, Nikaloy Top	386.83	90.18
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0010 EA 9" Round Top Floor Drain With 3" Outlet, Nikaloy Top	406.06	99.76
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0011 EA 9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	426.61	110.08
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0012 EA 9" Round Top Floor Drain With 2" Outlet, Bronze Top.....	371.83	90.18
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0013 EA 9" Round Top Floor Drain With 3" Outlet, Bronze Top.....	390.96	99.76
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0014 EA 9" Round Top Floor Drain With 4" Outlet, Bronze Top.....	411.61	110.08
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0015 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	395.74	90.10
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0016	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	414.96	99.76
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0017	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	435.61	110.08
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0018	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	549.74	90.10
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0019	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	568.96	99.76
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0020	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	589.61	110.08
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0021	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	529.24	90.10
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0022	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	548.46	99.76
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0023 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	569.11	110.08
<i>For Chained Grate, Add</i>	48.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	53.00	
<i>For Cast Iron Dome Grate, Add</i>	28.00	
<i>For Nikaloy Dome Grate, Add</i>	255.00	
<i>For Bronze Dome Grate, Add</i>	218.50	
<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	312.24	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	331.67	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	352.11	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	327.24	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	346.67	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0030 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	367.11	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0031 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	393.24	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0032 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	412.67	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	433.11	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	301.24	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	320.67	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	341.11	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	320.24	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	339.67	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	360.11	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0040 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	373.74	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0041 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	393.17	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0042 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	413.61	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	779.17	99.83
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	799.61	110.08
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	942.17	99.83
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	962.61	110.08
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	922.67	99.83
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	943.11	110.08
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	397.24	90.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	416.67	99.83
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	437.11	110.08
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	474.74	90.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	494.17	99.83
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	514.61	110.08
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	492.74	90.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	512.17	99.83
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	532.61	110.08
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	632.24	90.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	651.67	99.83
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	672.11	110.08
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	381.24	90.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	400.67	99.83
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	421.11	110.08
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0064	EA			5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	447.24 22.50 11.00 120.94	90.10
22 13 19 13-0065	EA			5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	466.67 22.50 11.00 120.94	99.83
22 13 19 13-0066	EA			5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	487.11 22.50 11.00 120.94	110.08
22 13 19 13-0067	EA			5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	465.24 22.50 11.00 120.94	90.10
22 13 19 13-0068	EA			5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	484.67 22.50 11.00 120.94	99.83
22 13 19 13-0069	EA			5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	505.11 22.50 11.00 120.94	110.08
22 13 19 13-0070	EA			5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	578.74 22.50 11.00 120.94	90.10
22 13 19 13-0071	EA			5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	598.17 22.50 11.00 120.94	99.83
22 13 19 13-0072	EA			5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	618.61 22.50 11.00 120.94	110.08
22 13 19 13-0073 Funnel Type Floor Drains <small>(22 13 19 13)</small>						
22 13 19 13-0074	EA			7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	368.44 40.00 -19.50 11.00	80.45
22 13 19 13-0075	EA			7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	387.74 40.00 -19.50 11.00	90.10
22 13 19 13-0076	EA			7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	406.96 40.00 -19.50 11.00	99.76
22 13 19 13-0077	EA			7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	427.61 40.00 -19.50 11.00	110.08
22 13 19 13-0078	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	500.24 40.00 -19.50 11.00	90.10
22 13 19 13-0079	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	519.46 40.00 -19.50 11.00	99.76
22 13 19 13-0080	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	540.11 40.00 -19.50 11.00	110.08
22 13 19 13-0081	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	480.74 40.00 -19.50 11.00	90.10
22 13 19 13-0082	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	499.96 40.00 -19.50 11.00	99.76
22 13 19 13-0083	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	520.61 40.00 -19.50 11.00	110.08

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	654.37	80.45
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	673.74	90.10
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	692.96	99.76
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	713.61	110.08
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	734.90	120.71
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	711.74	90.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	731.17	99.83
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	751.61	110.08
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	772.90	120.71
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	486.24	90.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	505.67	99.83
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	526.11	110.08
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	547.40	120.71
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	672.74	90.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	692.17	99.83
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	712.61	110.08
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	733.90	120.71
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0102 Other Drains <small>(22 13 19 13)</small>		
22 13 19 13-0103 Shower Drains <small>(22 13 19 13-0102)</small>		
22 13 19 13-0104 EA 4-1/4" Stainless Steel Shower Drain Strainer	28.60	8.12
Note: Includes two 2-5/8" screws.		
22 13 19 13-0105 EA 4-1/4" Brass Shower Drain Strainer	31.47	8.12
Note: Includes two 2-5/8" screws.		
22 13 19 13-0106 EA 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe	67.04	16.26
Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107 EA 4" Chrome Finish, Threaded Brass Shower Drain And Gasket	83.53	16.26
Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108 Acid Resistant Floor Drains <small>(22 13 19 13-0102)</small>		
22 13 19 13-0109 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	370.37	80.45
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0110 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	389.74	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	408.96	99.76
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0112 Rotary And Lever Drains <small>(22 13 19 13-0102)</small>		
22 13 19 13-0113 EA Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	161.45	54.25
22 13 19 13-0114 EA Lever Drain, 2" Drain, 3" Sink Opening.....	172.68	59.87
22 13 19 13-0115 EA Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	161.45	54.25
22 13 19 13-0116 EA Lever Drain, 2" Drain, 3-1/2" Sink Opening.....	172.68	59.87
22 13 19 13-0117 EA Twist Drain, 1-1/2" Drain, 3" Sink Opening	161.45	54.25
22 13 19 13-0118 EA Twist Drain, 2" Drain, 3" Sink Opening	172.68	59.87
22 13 19 13-0119 EA Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	161.45	54.25
22 13 19 13-0120 EA Twist Drain, 2" Drain, 3-1/2" Sink Opening	172.68	59.87
22 13 19 13-0121 EA Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	213.53	59.87
22 13 19 13-0122 Floor Receptor <small>(22 13 19 13)</small>		
22 13 19 13-0123 9" Diameter Round Shallow Receptor <small>(22 13 19 13-0122)</small>		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	442.36	90.18
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	461.88	99.90
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	482.11	110.08
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0127 Square Top Floor Receptors <small>(22 13 19 13-0122)</small>		
Note: With acid resistant coating.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	484.94	80.45
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	504.33	90.18
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	523.46	99.76
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	544.11	110.08
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0132 Floor Drain Accesories (22 13 19 13)		
22 13 19 13-0133 EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	59.44	9.36
Note: Prevents emission of sewer gases.		
22 13 19 13-0134 EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	49.26	9.36
Note: Prevents emission of sewer gases.		
22 13 19 13-0135 EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	53.33	9.36
Note: Prevents emission of sewer gases.		
22 13 19 13-0136 EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	63.51	9.36
Note: Prevents emission of sewer gases.		
22 13 19 13-0137 EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	57.40	9.36
Note: Prevents emission of sewer gases.		
22 13 19 13-0138 EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	79.96	9.36
Note: Prevents emission of sewer gases.		
22 13 19 13-0139 EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	88.16	9.36
Note: Prevents emission of sewer gases.		
22 13 19 13-0140 EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	108.51	9.36
Note: Prevents emission of sewer gases.		
22 13 19 26 Grease Removal Devices (22 13 19)		
22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003 EA 7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	674.22	56.13
Note: Josam 60102H.		
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,270.65	
22 13 19 26-0004 EA 10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	784.75	126.28
Note: Josam 60103H.		
For Flange And Clamp Device, Add	344.35	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,339.73	
22 13 19 26-0005 EA 15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,099.68	140.31
Note: Josam 60104H.		
For Flange And Clamp Device, Add	353.71	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,462.24	
22 13 19 26-0006 EA 20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,322.79	154.34
Note: Josam 60105H.		
For Flange And Clamp Device, Add	363.06	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,579.31	
22 13 19 26-0007 EA 25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,479.41	168.38
Note: Josam 60106H.		
For Flange And Clamp Device, Add	402.82	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,641.66	
22 13 19 26-0008 EA 35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,813.04	196.45
Note: Josam 60107H.		
For Flange And Clamp Device, Add	432.72	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,802.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H. <i>For Flange And Clamp Device, Add</i>	2,353.55 <i>492.39</i>	224.51
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	<i>1,915.71</i>	
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	4,558.46 <i>712.38</i>	252.57
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	5,141.54 <i>804.07</i>	294.09
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	6,375.60 <i>1,081.71</i>	470.56
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	9,123.16 <i>1,289.41</i>	588.19
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	10,648.21 <i>1,680.80</i>	705.83
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	13,808.09 <i>1,996.99</i>	823.47
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	17,827.43 <i>2,348.69</i>	941.12
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small>		
			Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	1,880.05	154.34
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,417.80	196.45
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	3,952.16	224.51
22 13 19 26-0021			Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small>		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small>		
			Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,643.80 <i>1,270.65</i>	56.13
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,930.94 <i>1,339.73</i>	126.28
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,065.04 <i>1,462.24</i>	140.31
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,514.01 <i>1,579.31</i>	154.34
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,024.20 <i>1,641.66</i>	168.38
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,135.14 <i>1,802.20</i>	196.45
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,578.89 <i>1,915.71</i>	224.51
22 13 19 26-0030			Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small>		
			Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,187.75	196.45
22 13 19 26-0032			Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small>		
			Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 20 Greasestopper.	3,609.54	154.34
22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 25 Greasestopper.	4,186.54	168.38
22 13 19 26-0035			Precast Concrete Grease Interceptor <small>(22 13 19 26)</small>		
			Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0036	EA		1,000 Gallon Pre-Cast Grease Interceptor.....	3,718.27	268.41
22 13 19 26-0037	EA		1,250 Gallon Pre-Cast Grease Interceptor.....	4,254.94	268.41
22 13 19 26-0038	EA		1,500 Gallon Pre-Cast Grease Interceptor.....	4,829.23	306.86
22 13 19 26-0039	EA		2,000 Gallon Pre-Cast Grease Interceptor.....	5,493.93	433.35
22 13 19 26-0040	EA		2,500 Gallon Pre-Cast Grease Interceptor.....	6,183.98	583.04
22 13 19 26-0041	EA		4,000 Gallon Pre-Cast Grease Interceptor.....	9,277.36	767.09
22 13 19 26-0042	EA		5,000 Gallon Pre-Cast Grease Interceptor.....	11,905.37	1,257.92
22 13 19 26-0043			Coated Steel Manual Oil Interceptor <small>(22 13 19 26)</small>		
			Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	1,770.40	213.81
22 13 19 26-0045	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,350.97	254.05
22 13 19 26-0046	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,850.97	312.58
22 13 19 26-0047	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,096.44	338.59
22 13 19 26-0048	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,678.00	369.49
22 13 19 26-0049	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,768.58	406.48
22 13 19 26-0050	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,786.28	467.73
22 13 19 26-0051	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,576.26	575.49
22 13 19 26-0052	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	10,447.72	623.75
22 13 19 26-0053	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	14,495.53	748.35
22 13 19 26-0054	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	16,664.25	804.49
22 13 19 26-0055	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	20,932.63	959.40
22 13 19 26-0056	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	24,904.38	786.15
22 13 19 26-0057	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,506.31	935.44
22 13 19 33			Backwater Valves <small>(22 13 19)</small>		
22 13 19 33-0001			Cast Iron Body Flap Valves, Flanged <small>(22 13 19 33)</small>		
22 13 19 33-0002	EA		4" Flap And Flush Valve, Cast Iron, Flanged.....	565.32	213.28
22 13 19 33-0003	EA		6" Flap And Flush Valve, Cast Iron, Flanged.....	693.97	290.23
22 13 19 33-0004	EA		8" Flap And Flush Valve, Cast Iron, Flanged.....	915.36	333.76
22 13 19 33-0005	EA		10" Flap And Flush Valve, Cast Iron, Flanged.....	1,189.29	406.32
22 13 19 33-0006	EA		12" Flap And Flush Valve, Cast Iron, Flanged.....	1,398.11	493.38
22 13 19 33-0007			Cast Iron Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
			Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0008	EA		2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	508.86	51.22
22 13 19 33-0009	EA		3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	762.30	62.12
22 13 19 33-0010	EA		4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	945.02	80.08
22 13 19 33-0011	EA		6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,312.42	92.15
22 13 19 33-0012	EA		8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,803.17	109.20
22 13 19 33-0013	EA		10" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,409.94	145.11
22 13 19 33-0014			Cast Iron Drainage Control Backwater Valve <small>(22 13 19 33)</small>		
			Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0015	EA		3" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,097.96	80.82
22 13 19 33-0016	EA		4" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,247.95	100.28
22 13 19 33-0017	EA		5" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,433.67	109.56
22 13 19 33-0018	EA		6" Drainage Control Backwater Valve, Cast Iron, Offset Type With Bronze Manually Operated Shear Gate.....	1,708.60	134.95
22 13 19 33-0019			Polyvinyl Chloride (PVC) Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
			Note: Oatey.		
22 13 19 33-0020	EA		3" Polyvinyl Chloride (PVC) Backwater Sewer Valve.....	164.60	62.12
22 13 19 33-0021	EA		4" Polyvinyl Chloride (PVC) Backwater Sewer Valve.....	204.89	80.08
22 13 19 33-0022	EA		6" Polyvinyl Chloride (PVC) Backwater Sewer Valve.....	371.81	92.15
22 13 19 36			Air-Admittance Valves <small>(22 13 19)</small>		
22 13 19 36-0001			Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent <small>(22 13 19 36)</small>		
22 13 19 36-0002	EA		1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	83.33	10.48
22 13 19 36-0003	EA		2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	98.14	10.48
22 13 23			Sanitary Waste Interceptors <small>(22 13)</small>		
22 13 23 00-0001			Plaster Interceptors <small>(22 13 23)</small>		
22 13 23 00-0002	EA		15 GPM, Low Volume, Solids Interceptor.....	354.44	105.97
22 13 23 00-0003	EA		30 GPM, High Volume, Solids Interceptor.....	914.52	247.26
22 13 23 00-0004			Solid Interceptors, Cast Iron With Internal Deep Seal Trap <small>(22 13 23)</small>		
22 13 23 00-0005	EA		1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	284.92	36.25
			<i>For Stainless Steel Bucket, Add</i>	<i>175.00</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0006 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel <i>For Stainless Steel Bucket, Add</i>	289.55 175.00	38.61
22 13 23 00-0007 Sediment Strainers (22 13 23)		
22 13 23 00-0008 EA 2" Strainer, Pump Suction Side	111.69	49.51
22 13 29 Sanitary Sewerage Pumps (22 13)		
Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)		
22 13 29 13-0002 1-1/2" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,408.45	897.73
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,814.92	897.73
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,221.39	897.73
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,609.10	897.73
22 13 29 13-0007 2" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,534.06	897.73
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,690.40	897.73
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,799.83	897.73
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	10,550.24	897.73
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	11,285.01	897.73
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	12,410.63	897.73
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	13,536.24	897.73
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	15,255.76	1,194.68
22 13 29 13-0016 3" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,317.40	897.73
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,317.40	897.73
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,588.26	897.73
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	12,689.90	897.73
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	13,058.56	897.73
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	15,385.45	1,194.68
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	16,323.46	1,194.68
22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	519.49	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	623.75	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	697.18	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	709.88	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	796.91	
22 13 29 13-0030 Float Switches (22 13 29 13-0001)		
Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	466.91	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	490.48	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	501.36	
22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round	444.46	29.94
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round	492.16	33.67
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round	682.18	44.90
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round	984.79	52.39
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round	1,054.93	54.25
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round	1,127.35	56.13
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round	1,434.42	67.36
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round	1,936.30	74.84
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round	2,455.35	93.55
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round	3,114.72	102.90
22 13 29 16 Submersible Sewerage Pumps (22 13 29)		
Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002 Submersible Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0003 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	486.61	54.47
22 13 29 16-0004 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	637.04	54.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0005 EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	767.21	68.09
22 13 29 16-0006 Submersible Sewage Pumps With Bronze Vortex Impeller <small>(22 13 29 16-0001)</small>		
22 13 29 16-0007 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	727.38	54.47
22 13 29 16-0008 EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	890.10	68.09
22 13 29 16-0009 EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,075.93	109.75
22 13 29 16-0010 EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,181.23	134.13
22 13 29 16-0011 Submersible Sewage Pumps With Semi-Open Impeller <small>(22 13 29 16)</small>		
22 13 29 16-0012 EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,576.55	68.09
22 13 29 16-0013 EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,747.39	112.90
22 13 29 16-0014 EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,254.88	137.99
22 13 29 16-0015 EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,621.65	167.26
22 13 29 16-0016 EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,055.11	196.53
22 13 29 16-0017 EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,189.59	225.80
22 13 29 16-0018 Submersible Sewage Pumps Accessories <small>(22 13 29 16)</small>		
22 13 29 16-0019 EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump.....	287.73	61.67
Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020 EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	677.15	82.23
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021 EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	880.27	82.23
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022 EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	982.25	102.78
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023 EA High-water Alarm For Submersible Sewage Pump.....	221.86	41.11
22 13 29 16-0024 EA Float Switch For Submersible Sewage Pump.....	83.18	20.56
22 13 29 16-0025 EA Rail System With 2" Discharge For Submersible Sewage Pump.....	417.22	61.67
22 13 29 33 Sewerage Pump Basins And Pits <small>(22 13 29)</small>		
22 13 29 33-0001 Sewage Sump Pump Basin <small>(22 13 29 33)</small>		
22 13 29 33-0002 High Density Polyethylene Basin <small>(22 13 29 33-0001)</small>		
22 13 29 33-0003 EA 18" Diameter x 24" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	96.15	
22 13 29 33-0004 EA 18" Diameter x 30" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	123.85	
22 13 29 33-0005 EA 24" Diameter x 30" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	278.56	
22 13 29 33-0006 EA 24" Diameter x 36" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	390.13	
22 13 29 33-0007 EA 30" Diameter x 36" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	501.71	
22 13 29 33-0008 EA 36" Diameter x 36" High High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	583.32	
22 13 29 33-0009 Fiberglass Basin <small>(22 13 29 33-0001)</small>		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	169.56	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	329.61	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	580.84	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	776.22	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	892.53	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub.....	942.78	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub.....	1,104.69	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,281.49	
22 13 53 Facility Septic Tanks <small>(22 13)</small>		
See CSI section 33 36 13 00-0000 for septic tanks.		
22 14 Facility Storm Drainage <small>(22 10)</small>		
22 14 13 Facility Storm Drainage Piping <small>(22 14)</small>		
See CSI section 22 13 16 00-0000 for storm drainage piping.		
22 14 26 Facility Storm Drains <small>(22 14)</small>		
22 14 26 13 Roof Drains <small>(22 14 26)</small>		
22 14 26 13-0001 Cast Iron Roof Drains <small>(22 14 26 13)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0002			Cast Iron Roof Drains With Large Polypropylene Dome <small>(22 14 26 13-0001)</small>		
			Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome 394.95		124.75
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Bronze Dome, Add</i> 170.50		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome 457.31		149.67
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Bronze Dome, Add</i> 170.50		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome 519.68		187.09
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Bronze Dome, Add</i> 170.50		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome 675.73		224.51
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Bronze Dome, Add</i> 170.50		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome 706.90		249.43
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Bronze Dome, Add</i> 170.50		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome 793.91		261.92
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Bronze Dome, Add</i> 170.50		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome 968.60		271.28
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Bronze Dome, Add</i> 170.50		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0010			Cast Iron Roof Drains With Expansion Joint <small>(22 14 26 13-0001)</small>		
			Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome 530.95		124.75
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Drain Receiver, Add</i> 56.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome 602.81		149.67
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Drain Receiver, Add</i> 56.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome 683.68		187.09
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Drain Receiver, Add</i> 56.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome 914.23		224.51
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Drain Receiver, Add</i> 56.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome 979.90		249.43
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Drain Receiver, Add</i> 56.00		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		
22 14 26 13-0016			Cast Iron Roof Drains With Flat Bronze Promenade Top <small>(22 14 26 13-0001)</small>		
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top 664.95		124.75
			<i>For Galvanized Iron Parts, Add</i> 197.00		
			<i>For Deck Clamp, Add</i> 50.00		
			<i>For Drain Receiver, Add</i> 75.50		
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> 136.00		

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top.....	727.31	149.67
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top.....	789.68	187.09
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top.....	941.73	224.51
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top.....	972.90	249.43
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0022			Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)		
22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate.....	390.78	49.92
			<i>For Vandal Proof Grate, Add</i>	11.00	
			<i>For Galvanized Iron Parts, Add</i>	49.00	
22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate.....	415.73	62.34
			<i>For Vandal Proof Grate, Add</i>	11.00	
			<i>For Galvanized Iron Parts, Add</i>	49.00	
22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate.....	427.06	68.02
			<i>For Vandal Proof Grate, Add</i>	11.00	
			<i>For Galvanized Iron Parts, Add</i>	98.00	
22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate.....	593.83	90.18
			<i>For Vandal Proof Grate, Add</i>	11.00	
			<i>For Galvanized Iron Parts, Add</i>	98.00	
22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate.....	633.61	110.08
			<i>For Vandal Proof Grate, Add</i>	11.00	
			<i>For Galvanized Iron Parts, Add</i>	98.00	
22 14 26 13-0028			Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)		
			Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top.....	417.95	124.75
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....	480.31	149.67
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	542.68	187.09
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0032			Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)		
22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome.....	437.95	124.75
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome.....	500.31	149.67
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome.....	562.68	187.09
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome.....	718.73	224.51
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome.....	749.90	249.43
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Storm Drainage	22 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	836.91 197.00 50.00 56.00 136.00	261.92
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,011.60 197.00 50.00 56.00 136.00	271.28
22 14 26 13-0040			Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041			Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	445.45 197.00 50.00 56.00 136.00	124.75
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	507.81 197.00 50.00 56.00 136.00	149.67
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	570.18 197.00 50.00 56.00 136.00	187.09
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	757.40 197.00 50.00 56.00 136.00	249.20
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	844.56 197.00 50.00 56.00 136.00	261.92
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,019.10 197.00 50.00 56.00 136.00	271.28
22 14 26 13-0048			Retrofit Roof Drains (22 14 26 13)		
22 14 26 13-0049			Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	500.51	149.67
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	570.13	187.09
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	692.71	224.51
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	752.91	249.20
22 14 26 13-0054			Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome.....	565.82	149.67
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome.....	632.55	187.09
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome.....	759.48	224.51
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome.....	799.36	249.20
22 14 26 13-0059			Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	503.41 -24.00	149.67
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	573.04 -24.00	187.09
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	695.62 -24.00	224.51
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	732.59 -24.00	249.20
22 14 26 13-0064			Bronze Downspout Nozzles (22 14 26 13)		
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle.....	291.65	74.84
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle.....	291.65	74.84
22 14 26 13-0067	EA		4" Outlet, Bronze Roof Drain Downspout Nozzle.....	291.65	74.84
22 14 26 13-0068	EA		5" Outlet, Bronze Roof Drain Downspout Nozzle.....	442.72	93.55
22 14 26 13-0069	EA		6" Outlet, Bronze Roof Drain Downspout Nozzle.....	442.72	93.55
22 14 26 13-0070	EA		8" Outlet, Bronze Roof Drain Downspout Nozzle.....	561.74	93.55



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 16 Facility Area Drains (22 14 26)

22 14 26 16-0001	Area Drain (22 14 26 16)			
22 14 26 16-0002	EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	711.74	90.10	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0003	EA 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	731.17	99.83	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0004	EA 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	751.61	110.08	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0005	EA 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	772.90	120.71	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0006	EA 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	486.24	90.10	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0007	EA 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	505.67	99.83	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0008	EA 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	526.11	110.08	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0009	EA 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	547.40	120.71	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0010	EA 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	672.74	90.10	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0011	EA 12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	692.17	99.83	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0012	EA 12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	712.61	110.08	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0013	EA 12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	733.90	120.71	
	For Ductile Iron Grate, Add	123.50		
	For Vandal Proof Screws, Add	29.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	101.50		
22 14 26 16-0014	EA 16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,307.74	90.10	
	For Ductile Iron Grate, Add	123.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	258.50		
22 14 26 16-0015	EA 16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,327.17	99.83	
	For Ductile Iron Grate, Add	123.50		
	For Primer Tap, Add	36.00		
	For Galvanized Cast Iron Parts, Add	258.50		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0016 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,347.61	110.08
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,368.90	120.71
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	702.74	90.10
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	722.17	99.83
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	742.61	110.08
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	763.90	120.71
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,246.24	90.10
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,265.67	99.83
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,286.11	110.08
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,307.40	120.71
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	386.74	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0027 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	406.17	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0028 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	426.61	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0029 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	283.74	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0030 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	303.17	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0031 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	323.61	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0032 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	371.74	90.10
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0033 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	391.17	99.83
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0034 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	411.61	110.08
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Grate, Add</i>	30.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	913.24	90.10
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0036	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	932.67	99.83
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0037	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	953.11	110.08
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0038	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	637.74	90.10
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0039	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	657.17	99.83
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0040	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	677.61	110.08
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0041	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	865.24	90.10
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0042	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	884.67	99.83
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0043	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	905.11	110.08
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 19			Facility Trench Drains (22 14 26)		
22 14 26 19-0001			Trench Drain (22 14 26 19)		
			Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	591.49	90.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0003	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	610.92	99.83
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	631.36	110.08
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	379.10	90.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	398.53	99.83
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	418.97	110.08
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	562.55	90.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	



Plumbing	22
Plumbing Piping	22 10
Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	581.98	99.83
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	602.42	110.08
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	501.00	44.90
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	288.61	44.90
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	472.06	44.90
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	909.38	90.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	928.81	99.83
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	949.25	110.08
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	646.57	90.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	666.00	99.83
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	686.44	110.08
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	873.44	90.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0021 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	892.87	99.83
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	913.31	110.08
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	769.34	90.10
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	788.77	99.83
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	809.21	110.08
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026 EA 12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	818.87	44.90
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0027 EA 12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	556.06	44.90
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0028 EA 12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	782.93	44.90
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0029 EA 12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	678.83	44.90
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	

22 14 29 Sump Pumps ^(22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps ^(22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps ^(22 14 29 13)

Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.

22 14 29 13-0002 EA 1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	2,979.52	217.14
22 14 29 13-0003 EA 1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	3,182.94	262.82
22 14 29 13-0004 EA 2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	3,648.75	312.23
22 14 29 13-0005 EA 3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	3,942.51	384.12
22 14 29 13-0006 EA 5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	4,175.10	416.31
22 14 29 13-0007 EA 10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	4,956.89	499.42
22 14 29 13-0008 EA 15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	5,742.34	521.15
22 14 29 13-0009 EA 20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	6,999.21	637.67
22 14 29 13-0010 EA 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....	7,617.27	743.68
22 14 29 13-0011 EA 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....	10,112.93	892.73
22 14 29 13-0012 EA 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head.....	13,744.52	991.58

22 14 29 13-0013 Extra Column Assemblies ^(22 14 29 13)

22 14 29 13-0014 EA 1-1/2" Diameter x 5' Long Extra Column Assembly.....	1,200.19	
22 14 29 13-0015 EA 2" Diameter x 5' Long Extra Column Assembly.....	1,313.28	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 14 29 13-0016	EA 2-1/2" Diameter x 5' Long Extra Column Assembly	519.49	
	22 14 29 13-0017	EA 3" Diameter x 5' Long Extra Column Assembly	1,725.45	
	22 14 29 13-0018	EA 4" Diameter x 5' Long Extra Column Assembly	1,928.59	
	22 14 29 13-0019	EA 5" Diameter x 5' Long Extra Column Assembly	709.88	
	22 14 29 13-0020	EA 6" Diameter x 5' Long Extra Column Assembly	2,204.46	
	22 14 29 13-0021	EA 8" Diameter x 5' Long Extra Column Assembly	2,412.20	
22 14 29 13-0022		Float Switch <small>(22 14 29 13)</small>		
	22 14 29 13-0023	EA For Float Switch Copper Coated Float, General Purpose.....	1,338.35	23.57
	22 14 29 13-0024	EA For Float Switch Copper Coated Float, Weathertight	1,403.56	23.57
	22 14 29 13-0025	EA For Float Switch Copper Coated Float, Explosion Proof.....	1,433.65	23.57
22 14 29 13-0026		Support Plate <small>(22 14 29 13)</small>		
	22 14 29 13-0027	EA 24" Steel Support Plate, Round Or Square.....	444.46	29.94
	22 14 29 13-0028	EA 30" Steel Support Plate, Round Or Square.....	492.16	33.67
	22 14 29 13-0029	EA 36" Steel Support Plate, Round Or Square.....	682.18	44.90
	22 14 29 13-0030	EA 40" Steel Support Plate, Round Or Square.....	984.79	52.39
	22 14 29 13-0031	EA 42" Steel Support Plate, Round Or Square.....	1,054.93	54.25
	22 14 29 13-0032	EA 48" Steel Support Plate, Round Or Square.....	1,127.28	56.13
	22 14 29 13-0033	EA 54" Steel Support Plate, Round Or Square.....	1,434.42	67.36
	22 14 29 13-0034	EA 60" Steel Support Plate, Round Or Square.....	1,936.30	74.84
	22 14 29 13-0035	EA 72" Steel Support Plate, Round Or Square.....	2,583.14	93.55
	22 14 29 13-0036	EA 84" Steel Support Plate, Round Or Square.....	3,114.72	102.90
22 14 29 16		Submersible Sump Pumps <small>(22 14 29)</small>		
		Note: Includes 25' of cord with pumps unless otherwise noted.		
22 14 29 16-0001		Submersible Sump Pump With Vortex Impeller <small>(22 14 29 16)</small>		
22 14 29 16-0002		Submersible Sump Pump With Cast Iron Vortex Impeller <small>(22 14 29 16-0001)</small>		
	22 14 29 16-0003	EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	275.82	48.78
	22 14 29 16-0004	EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	304.71	48.78
	22 14 29 16-0005	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	439.74	51.62
	22 14 29 16-0006	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	473.48	51.62
22 14 29 16-0007		Submersible Sump Pump With Bronze Vortex Impeller <small>(22 14 29 16-0001)</small>		
	22 14 29 16-0008	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	693.61	51.62
	22 14 29 16-0009	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	751.80	51.62
	22 14 29 16-0010	EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	790.85	56.90
	22 14 29 16-0011	EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	851.07	56.90
	22 14 29 16-0012	EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	890.92	65.04
	22 14 29 16-0013	EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	951.15	65.04
	22 14 29 16-0014	EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	963.32	77.23
	22 14 29 16-0015	EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,012.96	77.23
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller <small>(22 14 29 16)</small>		
	22 14 29 16-0017	EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	678.71	48.78
	22 14 29 16-0018	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	774.99	51.62
	22 14 29 16-0019	EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	922.15	54.47
	22 14 29 16-0020	EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	974.36	56.90
	22 14 29 16-0021	EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,111.50	65.04
	22 14 29 16-0022	EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,294.92	77.23
22 14 29 19		Sump-Pump Basins and Pits <small>(22 14 29)</small>		
		See CSI section 22 13 29 33-0000 for basins and pits.		
22 15		General Service Compressed-Air Systems <small>(22 10)</small>		
22 15 13		General Service Compressed-Air Piping <small>(22 15)</small>		

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0001	Quick Disconnect, Air-Service <small>(22 15 13)</small>		
22 15 13 00-0002	Combination Steel And Brass <small>(22 15 13 00-0001)</small>		
22 15 13 00-0003	EA 1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	35.47	11.38
22 15 13 00-0004	EA 3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	39.09	13.82
22 15 13 00-0005	Refrigerated Air Dryers With Ambient Air Filters <small>(22 15 13)</small>		
22 15 13 00-0006	EA 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	480.68	65.33
22 15 13 00-0007	EA 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	544.27	67.14
22 15 13 00-0008	EA 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	687.84	68.96
22 15 13 00-0009	EA 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	798.17	72.58
22 15 13 00-0010	EA 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	888.27	81.66
22 15 13 00-0011	EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	986.76	92.91
22 15 13 00-0012	EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,393.88	117.95
22 15 13 00-0013	EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,569.56	137.91
22 15 13 00-0014	EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,705.43	147.35
22 15 13 00-0015	EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,854.63	163.31
22 15 13 00-0016	EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,087.92	181.47
22 15 13 00-0017	EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,323.22	199.61
22 15 13 00-0018	EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,449.02	221.38
22 15 13 00-0019	EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,848.80	235.90
22 15 13 00-0020	EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,418.95	244.97
22 15 13 00-0021	EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,026.09	254.05
22 15 13 00-0022	EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,467.84	263.12
22 15 13 00-0023	EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,860.39	272.19
22 15 13 00-0024	EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,427.68	290.34
22 15 13 00-0025	EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,350.85	362.92
22 15 13 00-0026	EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	8,024.02	435.51
22 15 13 00-0027	EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	8,947.19	508.09
22 15 13 00-0028	EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,521.36	580.68
22 15 13 00-0029	Oil And Water Separator For Air Compressor <small>(22 15 13)</small>		
22 15 13 00-0030	EA 0-60 SCFM Oil/Water Separator.....	507.75	26.03
22 15 13 00-0031	EA 85 SCFM Oil/Water Separator.....	583.00	30.50
22 15 13 00-0032	EA 190 SCFM Oil/Water Separator.....	681.13	34.57
22 15 13 00-0033	EA 245 SCFM Oil/Water Separator.....	854.33	40.66
22 15 13 00-0034	EA 320 SCFM Oil/Water Separator.....	1,015.60	48.80
22 15 13 00-0035	EA 700 SCFM Oil/Water Separator.....	2,048.32	101.66
22 15 13 00-0036	Heavy Duty Industrial Pressure Regulator <small>(22 15 13)</small>		
22 15 13 00-0037	EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	80.55	21.77
22 15 13 00-0038	EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	112.07	29.03
22 15 13 00-0039	EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	187.38	36.30
22 15 13 00-0040	EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	237.68	54.44
22 15 13 00-0041	EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	328.36	63.51
22 15 13 00-0042	EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	346.51	72.58
22 15 13 00-0043	Combination Air System; Filter Regulator Lubricator <small>(22 15 13)</small>		
22 15 13 00-0044	EA 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	300.64	65.33
22 15 13 00-0045	EA 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	374.20	87.10
22 15 13 00-0046	Heatless Desiccant Air Dryers <small>(22 15 13)</small>		
22 15 13 00-0047	EA 5 SCFM Heatless Desiccant Air Dryer.....	1,673.35	65.33
22 15 13 00-0048	EA 10 SCFM Heatless Desiccant Air Dryer.....	2,010.17	72.58
22 15 13 00-0049	EA 15 SCFM Heatless Desiccant Air Dryer.....	2,031.68	79.84
22 15 13 00-0050	EA 20 SCFM Heatless Desiccant Air Dryer.....	2,320.50	90.73
22 15 13 00-0051	EA 30 SCFM Heatless Desiccant Air Dryer.....	3,191.75	108.88
22 15 13 00-0052	EA 50 SCFM Heatless Desiccant Air Dryer.....	3,163.34	145.17
22 15 13 00-0053	EA 85 SCFM Heatless Desiccant Air Dryer.....	4,244.92	181.47
22 15 13 00-0054	EA 100 SCFM Heatless Desiccant Air Dryer.....	4,512.31	217.75
22 15 13 00-0055	EA 125 SCFM Heatless Desiccant Air Dryer.....	5,167.29	254.05
22 15 13 00-0056	EA 175 SCFM Heatless Desiccant Air Dryer.....	5,933.18	290.34
22 15 13 00-0057	EA 200 SCFM Heatless Desiccant Air Dryer.....	6,380.27	326.63
22 15 13 00-0058	EA 300 SCFM Heatless Desiccant Air Dryer.....	7,790.85	362.92
22 15 13 00-0059	EA 400 SCFM Heatless Desiccant Air Dryer.....	8,664.02	435.51
22 15 13 00-0060	EA 500 SCFM Heatless Desiccant Air Dryer.....	10,015.19	508.09
22 15 13 00-0061	EA 600 SCFM Heatless Desiccant Air Dryer.....	11,554.36	580.68
22 15 13 00-0062	Air Cooled Aftercoolers <small>(22 15 13)</small>		
22 15 13 00-0063	EA 20 SCFM Air-Cooled Aftercooler.....	430.75	45.36
22 15 13 00-0064	EA 35 SCFM Air-Cooled Aftercooler.....	579.88	54.44
22 15 13 00-0065	EA 43 SCFM Air-Cooled Aftercooler.....	638.02	63.51
22 15 13 00-0066	EA 70 SCFM Air-Cooled Aftercooler.....	778.17	72.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0067 EA 125 SCFM Air-Cooled Aftercooler	1,078.31	81.66
22 15 13 00-0068 EA 185 SCFM Air-Cooled Aftercooler	1,210.47	90.73
22 15 13 00-0069 EA 260 SCFM Air-Cooled Aftercooler	2,324.15	108.88
22 15 13 00-0070 EA 365 SCFM Air-Cooled Aftercooler	2,433.65	127.02
22 15 13 00-0071 EA 560 SCFM Air-Cooled Aftercooler	2,542.34	145.17
22 15 13 00-0072 EA 650 SCFM Air-Cooled Aftercooler	2,979.43	163.31
22 15 13 00-0073 EA 750 SCFM Air-Cooled Aftercooler	3,258.12	181.47
22 15 13 00-0074 EA 900 SCFM Air-Cooled Aftercooler	3,733.62	199.61
22 15 13 00-0075 EA 1,100 SCFM Air-Cooled Aftercooler	4,781.91	217.75
22 15 13 00-0076 EA 1,460 SCFM Air-Cooled Aftercooler	5,465.80	235.90
22 15 13 00-0077 EA 1,800 SCFM Air-Cooled Aftercooler	5,647.09	254.05
22 15 13 00-0078 EA 2,500 SCFM Air-Cooled Aftercooler	6,055.39	272.19
22 15 13 00-0079 Compressed Air Coalescing Filters (22 15 13)		
22 15 13 00-0080 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)		
22 15 13 00-0081 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	152.87	26.43
22 15 13 00-0082 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	180.87	26.43
22 15 13 00-0083 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	198.00	30.50
22 15 13 00-0084 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	227.94	34.97
22 15 13 00-0085 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	265.26	38.63
22 15 13 00-0086 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	301.53	46.76
22 15 13 00-0087 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	435.38	50.83
22 15 13 00-0088 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	393.99	61.00
22 15 13 00-0089 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	506.65	81.33
22 15 13 00-0090 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	578.99	91.49
22 15 13 00-0091 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)		
22 15 13 00-0092 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	184.87	26.43
22 15 13 00-0093 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	200.99	30.50
22 15 13 00-0094 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	230.74	34.97
22 15 13 00-0095 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	270.86	34.57
22 15 13 00-0096 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	307.93	46.76
22 15 13 00-0097 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	348.66	50.83
22 15 13 00-0098 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	401.19	61.00
22 15 13 00-0099 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	518.65	81.33
22 15 13 00-0100 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	594.99	91.49
22 15 13 00-0101 Compressed Air Storage Tanks (22 15 13)		
22 15 13 00-0102 Horizontal Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0103 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME	256.14	58.07
22 15 13 00-0104 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME	372.81	63.51
22 15 13 00-0105 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME	394.70	66.78
22 15 13 00-0106 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME	447.95	72.58
22 15 13 00-0107 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME	586.64	97.99
22 15 13 00-0108 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME	702.73	108.88
22 15 13 00-0109 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,033.06	127.02
22 15 13 00-0110 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME	1,514.84	145.17
22 15 13 00-0111 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME	1,684.47	154.25
22 15 13 00-0112 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME	2,400.49	163.31
22 15 13 00-0113 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME	3,148.37	190.53
22 15 13 00-0114 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME	4,501.55	226.83
22 15 13 00-0115 Vertical Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0116 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME	346.57	58.07
22 15 13 00-0117 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME	365.13	63.51
22 15 13 00-0118 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME	394.70	66.78
22 15 13 00-0119 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME	463.16	72.58
22 15 13 00-0120 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME	632.26	97.99
22 15 13 00-0121 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME	724.70	108.88
22 15 13 00-0122 EA 120 Gallon Vertical Compressed Air Storage Tank, ASME	985.28	127.02
22 15 13 00-0123 EA 200 Gallon Vertical Compressed Air Storage Tank, ASME	1,416.37	145.17
22 15 13 00-0124 EA 240 Gallon Vertical Compressed Air Storage Tank, ASME	1,558.96	154.25
22 15 13 00-0125 EA 325 Gallon Vertical Compressed Air Storage Tank, ASME	2,093.26	163.31
22 15 13 00-0126 EA 400 Gallon Vertical Compressed Air Storage Tank, ASME	2,671.54	190.53
22 15 13 00-0127 EA 500 Gallon Vertical Compressed Air Storage Tank, ASME	3,460.57	208.69
22 15 13 00-0128 EA 660 Gallon Vertical Compressed Air Storage Tank, ASME	5,687.20	235.90
22 15 19 General Service Packaged Air Compressors And Receivers (22 15)		
Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)		
22 15 19 13-0001 Single Stage Compressor (22 15 19 13)		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		

22 Plumbing
22 10 Plumbing Piping
22 15 General Service Compressed-Air Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 19 13-0002	EA		1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,300.15	257.53
22 15 19 13-0003	EA		3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,377.70	297.23
22 15 19 13-0004	EA		1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,580.20	351.02
22 15 19 13-0005	EA		2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,791.68	387.31
22 15 19 13-0006	EA		3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,147.34	409.09
22 15 19 13-0007	EA		3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,285.11	423.60
22 15 19 13-0008	EA		5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,571.85	484.14
22 15 19 13-0009	EA		5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	2,754.37	513.18
22 15 19 13-0010	EA		7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	3,280.92	580.97

22 15 19 13-0011 Two Stage Compressor (22 15 19 13)

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA		1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure.....	2,458.73	452.64
22 15 19 13-0013	EA		2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	2,671.39	532.55
22 15 19 13-0014	EA		3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	2,808.92	580.97
22 15 19 13-0015	EA		5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	3,283.62	774.63
22 15 19 13-0016	EA		5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	3,498.62	774.63
22 15 19 13-0017	EA		7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	3,849.69	968.29
22 15 19 13-0018	EA		7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	4,044.69	968.29
22 15 19 13-0019	EA		10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	5,164.63	1,197.65
22 15 19 13-0020	EA		10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure.....	5,573.85	1,233.94
22 15 19 13-0021	EA		15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	6,013.10	1,442.11
22 15 19 13-0022	EA		20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	8,694.47	1,632.43
22 15 19 13-0023	EA		25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	9,402.19	1,844.60
22 15 19 13-0024	EA		30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	10,466.92	2,038.69
22 15 19 13-0025	EA		30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	11,398.01	2,234.31

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)

Note: Oil flooded.

22 15 19 19-0002	EA		3 HP, 8.5 SCFM Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	4,113.93	648.99
22 15 19 19-0003	EA		5 HP, 16.6 SCFM Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	4,684.25	865.33
22 15 19 19-0004	EA		7.5 HP, 27 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	5,987.55	1,084.92
22 15 19 19-0005	EA		10 HP, 37 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	7,028.52	1,382.57
22 15 19 19-0006	EA		15 HP, 56 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,050.82	1,626.55
22 15 19 19-0007	EA		20 HP, 79 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	9,683.12	1,829.88
22 15 19 19-0008	EA		25 HP, 114 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	10,638.44	2,033.20
22 15 19 19-0009	EA		30 HP, 137 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	12,662.76	2,277.18
22 15 19 19-0010	EA		40 HP, 183 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,877.72	2,439.84
22 15 19 19-0011	EA		50 HP, 214 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,506.44	2,629.33
22 15 19 19-0012	EA		60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,768.14	2,846.48
22 15 19 19-0013	EA		75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	21,838.09	3,009.14
22 15 19 19-0014	EA		100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	34,047.75	3,253.12
22 15 19 19-0015	EA		125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	42,128.25	3,517.44
22 15 19 19-0016	EA		150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	48,742.00	3,785.81
22 15 19 19-0017	EA		220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	62,849.87	4,066.40
22 15 19 19-0018	EA		250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	71,222.24	4,326.64

22 30 Plumbing Equipment (22)

22 31 Domestic Water Softeners (22 30)

22 31 13 Residential Domestic Water Softeners (22 31)

See CSI section 11 30 13 13-0106 for residential water softener.

22 31 16 Commercial Domestic Water Softeners (22 31)

22 31 16 00-0001 Water Softeners (22 31 16)

Note: Excludes interconnecting piping for multi softener systems.

22 31 16 00-0002	EA		60,000 Grain 1-1/2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener	1,804.25	224.51
22 31 16 00-0003	EA		90,000 Grain 1-1/2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener	1,862.76	233.86
22 31 16 00-0004	EA		120,000 Grain 1-1/2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener	2,021.90	243.22
22 31 16 00-0005	EA		120,000 Grain 2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener.....	2,097.97	243.22
22 31 16 00-0006	EA		150,000 Grain 1-1/2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener	2,244.25	252.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0007 EA 150,000 Grain 2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener.....	2,552.05	252.57
Note: 21" diameter x 54" high. Excludes brine tank. Culligan HC-150-2 Hi-Flo 3.		
22 31 16 00-0008 EA 210,000 Grain 2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener.....	2,766.20	261.92
Note: 21" diameter x 69" high. Excludes brine tank. Culligan HC-210-2 Hi-Flo 3.		
22 31 16 00-0009 EA 300,000 Grain 2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener.....	3,157.08	271.28
Note: 24" diameter x 72" high. Excludes brine tank. Culligan HC-300-2 Hi-Flo 3.		
22 31 16 00-0010 EA 450,000 Grain 2" Pipe Connection Time Clock Operated Fiberglass Reinforced Polyester (FRP) Water Softener.....	5,296.43	280.64
Note: 30" diameter x 72" high. Excludes brine tank. Culligan HC-450-2 Hi-Flo 3.		
22 31 16 00-0011 EA 120,000 Grain 2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	2,609.41	243.22
Note: 16" diameter x 65" high. Excludes brine tank. Culligan HCE-120-2 Hi-Flo 3.		
22 31 16 00-0012 EA 150,000 Grain 2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	3,191.05	252.57
Note: 21" diameter x 54" high. Excludes brine tank. Culligan HCE-150-2 Hi-Flo 3.		
22 31 16 00-0013 EA 210,000 Grain 2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	3,488.30	261.92
Note: 21" diameter x 69" high. Excludes brine tank. Culligan HCE-210-2 Hi-Flo 3.		
22 31 16 00-0014 EA 300,000 Grain 2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	3,952.90	271.28
Note: 24" diameter x 72" high. Excludes brine tank. Culligan HCE-300-2 Hi-Flo 3.		
22 31 16 00-0015 EA 450,000 Grain 2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	5,889.78	280.64
Note: 30" diameter x 72" high. Excludes brine tank. Culligan HCE-450-2 Hi-Flo 3.		
22 31 16 00-0016 EA 60,000 Grain 1-1/2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	2,256.00	224.51
Note: 14" diameter x 47" high. Excludes brine tank. Culligan WS-060 Hi-Flo 22.		
22 31 16 00-0017 EA 90,000 Grain 1-1/2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	2,403.46	233.86
Note: 16" diameter x 53" high. Excludes brine tank. Culligan WS-090 Hi-Flo 22.		
22 31 16 00-0018 EA 120,000 Grain 1-1/2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	2,615.26	243.22
Note: 16" diameter x 65" high. Excludes brine tank. Culligan WS-120 Hi-Flo 22.		
22 31 16 00-0019 EA 150,000 Grain 1-1/2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	3,306.91	252.57
Note: 21" diameter x 54" high. Excludes brine tank. Culligan WS-150 Hi-Flo 22.		
22 31 16 00-0020 EA 210,000 Grain 1-1/2" Pipe Connection 24 Volt, Controller Fiberglass Reinforced Polyester (FRP) Water Softener.....	3,516.38	261.92
Note: 21" diameter x 69" high. Excludes brine tank. Culligan WS-210 Hi-Flo 22.		
22 31 16 00-0021 EA 150,000 Grain 2" Pipe Connection 24 Volt, Controller Steel Water Softener.....	4,696.66	352.92
Note: 20" diameter x 54" high. Excludes brine tank. Culligan 150-2 CSM.		
22 31 16 00-0022 EA 210,000 Grain 2" Pipe Connection 24 Volt, Controller Steel Water Softener.....	5,340.94	372.52
Note: 24" diameter x 54" high. Excludes brine tank. Culligan 210-2 CSM.		
22 31 16 00-0023 EA 300,000 Grain 2" Pipe Connection 24 Volt, Controller Steel Water Softener.....	6,337.48	392.13
Note: 30" diameter x 60" high. Excludes brine tank. Culligan 300-2 CSM.		
22 31 16 00-0024 EA 300,000 Grain 3" Pipe Connection 24 Volt, Controller Steel Water Softener.....	7,528.87	392.13
Note: 30" diameter x 60" high. Excludes brine tank. Culligan 300-3 CSM.		
22 31 16 00-0025 EA 450,000 Grain 2" Pipe Connection 24 Volt, Controller Steel Water Softener.....	6,912.11	392.13
Note: 30" diameter x 60" high. Excludes brine tank. Culligan 450-2 CSM.		
22 31 16 00-0026 EA 450,000 Grain 3" Pipe Connection 24 Volt, Controller Steel Water Softener.....	8,432.37	392.13
Note: 30" diameter x 60" high. Excludes brine tank. Culligan 450-3 CSM.		
22 31 16 00-0027 EA 600,000 Grain 2" Pipe Connection 24 Volt, Controller Steel Water Softener.....	8,772.35	411.74
Note: 36" diameter x 60" high. Excludes brine tank. Culligan 600-2 CSM.		
22 31 16 00-0028 EA 600,000 Grain 3" Pipe Connection 24 Volt, Controller Steel Water Softener.....	9,728.51	411.74
Note: 36" diameter x 60" high. Excludes brine tank. Culligan 600-3 CSM.		
22 31 16 00-0029 EA 750,000 Grain 2" Pipe Connection 24 Volt, Controller Steel Water Softener.....	10,355.23	431.34
Note: 42" diameter x 60" high. Excludes brine tank. Culligan 750-2 CSM.		
22 31 16 00-0030 EA 750,000 Grain 3" Pipe Connection 24 Volt, Controller Steel Water Softener.....	11,307.88	431.34
Note: 42" diameter x 60" high. Excludes brine tank. Culligan 750-3 CSM.		
22 31 16 00-0031 EA 900,000 Grain 2" Pipe Connection 24 Volt, Controller Steel Water Softener.....	10,821.02	431.34
Note: 42" diameter x 60" high. Excludes brine tank. Culligan 900-2 CSM.		
22 31 16 00-0032 EA 900,000 Grain 3" Pipe Connection 24 Volt, Controller Steel Water Softener.....	11,862.61	431.34
Note: 42" diameter x 60" high. Excludes brine tank. Culligan 900-3 CSM.		
22 31 16 00-0033 EA 1,200,000 Grain 3" Pipe Connection 24 Volt, Controller Steel Water Softener.....	19,875.88	470.56
Note: 48" diameter x 60" high. Excludes brine tank. Culligan HS-1203 Hi-Flo 50.		
22 31 16 00-0034 EA 1,500,000 Grain 3" Pipe Connection 24 Volt, Controller Steel Water Softener.....	23,344.75	509.77
Note: 54" diameter x 60" high. Excludes brine tank. Culligan HS-1503 Hi-Flo 50.		
22 31 16 00-0035 EA 1,500,000 Grain 4" Pipe Connection 24 Volt, Controller Steel Water Softener.....	25,652.64	509.77
Note: 54" diameter x 60" high. Excludes brine tank. Culligan HS-1504 Hi-Flo 50.		
22 31 16 00-0036 EA 2,000,000 Grain 4" Pipe Connection 24 Volt, Controller Steel Water Softener.....	26,791.39	548.98
Note: 60" diameter x 60" high. Excludes brine tank. Culligan HS-2004 Hi-Flo 50.		
22 31 16 00-0037 Water Softener Brine Tanks And Accessories (22 31 16)		
22 31 16 00-0038 EA 18" Diameter x 38" High 375 LB Capacity Plastic Brine Tank.....	608.17	224.51
22 31 16 00-0039 EA 24" Diameter x 50" High 900 LB Capacity Plastic Brine Tank.....	1,003.72	243.22
22 31 16 00-0040 EA 39" Diameter x 48" High 2200 LB Capacity Plastic Brine Tank.....	1,220.47	261.92
22 31 16 00-0041 EA 1" Brine Reclaim Kit With Multi Port Valve.....	1,563.61	224.51
Note: Includes controller and valves. Can provide reclaim for 1 softener.		
22 31 16 00-0042 EA >1" To 2" Brine Reclaim Kit With Multi Port Valve.....	2,715.63	243.22
Note: Includes controller and valves. Can provide reclaim for up to 3 softeners.		
22 31 16 00-0043 EA >2" To 4" Brine Reclaim Kit With Multi Port Valve.....	3,867.65	261.92
Note: Includes controller and valves. Can provide reclaim for up to 3 softeners.		
22 31 16 00-0044 EA 1-1/2" Water Softener Duplex Configuration Kit.....	1,563.61	224.51
Note: Includes all cabling, valves and fittings required to gang two water softeners.		
22 31 16 00-0045 EA 2" Water Softener Duplex Configuration Kit.....	2,109.29	243.22
Note: Includes all cabling, valves and fittings required to gang two water softeners.		
22 31 16 00-0046 EA 3" Water Softener Duplex Configuration Kit.....	2,654.97	261.92
Note: Includes all cabling, valves and fittings required to gang two water softeners.		
22 31 16 00-0047 EA 4" Water Softener Duplex Configuration Kit.....	3,200.64	280.64
Note: Includes all cabling, valves and fittings required to gang two water softeners.		
22 31 16 00-0048 EA 1-1/2" Water Softener Triplex Configuration Kit.....	3,460.02	336.76
Note: Includes all cabling, valves and fittings required to gang three water softeners.		
22 31 16 00-0049 EA 2" Water Softener Triplex Configuration Kit.....	3,757.77	374.18
Note: Includes all cabling, valves and fittings required to gang three water softeners.		

22	Plumbing
22 30	Plumbing Equipment
22 31	Domestic Water Softeners



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0050 EA 3" Water Softener Triplex Configuration Kit Note: Includes all cabling, valves and fittings required to gang three water softeners.	4,166.99	411.59
22 31 16 00-0051 EA 4" Water Softener Triplex Configuration Kit Note: Includes all cabling, valves and fittings required to gang three water softeners.	4,687.67	449.01
22 31 16 00-0052 EA 1-1/2" Water Softener Quadplex Configuration Kit..... Note: Includes all cabling, valves and fittings required to gang four water softeners.	5,208.34	486.43
22 31 16 00-0053 EA 2" Water Softener Quadplex Configuration Kit..... Note: Includes all cabling, valves and fittings required to gang four water softeners.	5,506.11	523.85
22 31 16 00-0054 EA 3" Water Softener Quadplex Configuration Kit..... Note: Includes all cabling, valves and fittings required to gang four water softeners.	5,803.86	561.27
22 31 16 00-0055 EA 4" Water Softener Quadplex Configuration Kit..... Note: Includes all cabling, valves and fittings required to gang four water softeners.	6,213.08	598.68

22 32 Domestic Water Filtration Equipment (22 30)

22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)

22 32 16 00-0001 Filter, High Flow Water With Cartridges, 5 Micron, 210F <small>(22 32 16)</small>		
22 32 16 00-0002 EA Filter 24 GPM, Water, 5 Micron.....	982.90	135.58
22 32 16 00-0003 EA Filter 48 GPM, Water, 5 Micron.....	1,131.49	147.78
22 32 16 00-0004 EA Filter 72 GPM, Water, 5 Micron.....	1,222.48	162.41

22 33 Electric Domestic Water Heaters (22 30)

22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters <small>(22 33 13 13)</small>		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	262.25	40.64
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	320.44	40.64

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters <small>(22 33 13 16)</small> Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	353.05	60.97
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	421.84	81.30
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	716.85	142.27
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,059.91	162.59
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	686.36	81.30
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	945.28	121.94
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	1,060.89	162.59
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	1,097.22	162.59
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	1,131.53	162.59
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	1,181.99	162.59

22 33 30 Residential, Electric Domestic Water Heaters (22 33)

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) <small>(22 33 30 13)</small> Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	522.45	128.04
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	627.52	136.17
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	728.53	142.27

22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) <small>(22 33 30 16)</small> Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater.....	771.94	142.27
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater.....	734.43	146.33
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater.....	727.02	150.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater.....	801.31	152.43
22 33 30 16-0006 EA 66 Gallon, Electric Domestic Water Heater.....	1,121.10	156.50
22 33 30 16-0007 EA 80 Gallon, Electric Domestic Water Heater.....	1,144.39	162.59
22 33 30 16-0008 EA 120 Gallon, Electric Domestic Water Heater.....	1,493.49	172.76
22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010 EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	821.78	142.27
22 33 30 16-0011 EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	789.94	146.33
22 33 30 16-0012 EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	833.59	150.39
22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservatationist) (22 33 30 16)		
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014 EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	848.16	146.33
22 33 30 16-0015 EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	920.18	150.39
22 33 30 16-0016 EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,113.28	156.50
22 33 30 16-0017 EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,205.39	162.59
22 33 30 16-0018 Water Heater Accessories (22 33 30 16)		
22 33 30 16-0019 EA 2 Gallon, Expansion Pressure Tank For Water Heaters.....	62.94	8.12
22 33 30 16-0020 EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	73.35	8.12
22 33 30 16-0021 EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	137.70	8.12
22 33 30 16-0022 EA 14 Gallon, Expansion Pressure Tank For Water Heaters.....	182.98	8.12
22 33 30 16-0023 EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	40.08	6.10
22 33 30 16-0024 EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	43.44	6.10
22 33 30 16-0025 EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	45.68	6.10
22 33 30 16-0026 EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	53.52	6.10
22 33 30 16-0027 EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	23.22	6.10
22 33 30 16-0028 EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	25.01	6.10
22 33 30 16-0029 EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	27.53	6.10
22 33 30 16-0030 EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	30.78	6.10
22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)		
22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)		
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002 EA 3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	3,717.23	142.27
22 33 33 00-0003 EA 3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	3,857.34	142.27
22 33 33 00-0004 EA 6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	4,085.02	142.27
22 33 33 00-0005 EA 3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	4,061.44	162.59
22 33 33 00-0006 EA 6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	4,241.25	162.59
22 33 33 00-0007 EA 9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	4,605.54	162.59
22 33 33 00-0008 EA 12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	4,679.10	162.59
22 33 33 00-0009 EA 15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	4,911.45	162.59
22 33 33 00-0010 EA 18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	5,048.06	162.59
22 33 33 00-0011 EA 6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	4,417.56	162.59
22 33 33 00-0012 EA 9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	4,639.40	162.59
22 33 33 00-0013 EA 12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	4,972.17	162.59
22 33 33 00-0014 EA 15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	4,983.85	162.59
22 33 33 00-0015 EA 18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	5,215.03	162.59
22 33 33 00-0016 EA 24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	6,565.94	162.59
22 33 33 00-0017 EA 9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	4,826.96	203.24
22 33 33 00-0018 EA 12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	5,053.47	203.24
22 33 33 00-0019 EA 15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	5,257.80	203.24
22 33 33 00-0020 EA 18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	5,415.43	203.24
22 33 33 00-0021 EA 24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	6,768.67	203.24
22 33 33 00-0022 EA 30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	7,316.28	203.24
22 33 33 00-0023 EA 36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	7,884.90	203.24
22 33 33 00-0024 EA 9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	5,706.88	243.89
22 33 33 00-0025 EA 12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	5,891.36	243.89
22 33 33 00-0026 EA 15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	5,969.59	243.89
22 33 33 00-0027 EA 18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	6,039.65	243.89
22 33 33 00-0028 EA 24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	7,801.56	243.89
22 33 33 00-0029 EA 30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30).....	8,240.58	243.89
22 33 33 00-0030 EA 36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36).....	8,468.26	243.89
22 33 33 00-0031 EA 45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45).....	9,933.60	243.89
22 33 33 00-0032 EA 54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54).....	10,091.22	243.89
22 33 33 00-0033 EA 60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60).....	12,045.78	243.89
22 33 33 00-0034 EA 75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75).....	14,277.07	243.89
22 33 33 00-0035 EA 90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90).....	17,575.54	243.89
22 33 33 00-0036 EA 9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9).....	6,441.61	325.18
22 33 33 00-0037 EA 12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12).....	6,599.23	325.18
22 33 33 00-0038 EA 15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15).....	6,686.80	325.18
22 33 33 00-0039 EA 18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18).....	6,777.88	325.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	8,508.26	325.18
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	8,934.43	325.18
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,496.15	325.18
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	10,569.07	325.18
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	10,743.05	325.18
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	11,316.34	325.18
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	15,151.90	325.18
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	18,421.18	325.18
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	7,159.24	365.83
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	7,270.16	365.83
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	7,311.03	365.83
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	8,969.02	365.83
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	9,389.36	365.83
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	9,628.71	365.83
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	11,018.16	365.83
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	11,152.43	365.83
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	11,543.58	365.83
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	15,338.28	365.83
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	18,537.50	365.83
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	8,005.31	406.48
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	8,168.77	406.48
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	9,441.46	406.48
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	9,873.47	406.48
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	10,083.64	406.48
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	11,508.11	406.48
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	11,659.90	406.48
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	13,533.89	406.48
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	15,676.44	406.48
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	18,922.37	406.48
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	8,885.98	487.77
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	9,113.66	487.77
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	9,983.53	487.77
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	10,415.54	487.77
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	10,643.22	487.77
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	11,956.77	487.77
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	12,091.04	487.77
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	14,297.81	487.77
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	17,070.86	487.77
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	19,371.03	487.77

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	847.26	142.27
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	883.46	142.27
22 33 33 00-0082	EA	Up To 6 KW, 15 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-15S)	960.30	162.59
22 33 33 00-0083	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,004.66	162.59
22 33 33 00-0084	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	1,788.12	162.59
22 33 33 00-0085	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	1,992.02	203.24
22 33 33 00-0086	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	2,244.95	243.89
22 33 33 00-0087	EA	Up To 12 KW, 30 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-30D)	1,778.35	203.24
22 33 33 00-0088	EA	Up To 12 KW, 40 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-40D)	1,918.46	203.24
22 33 33 00-0089	EA	Up To 12 KW, 50 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-50D)	2,180.73	243.89
22 33 33 00-0090	EA	Up To 12 KW, 66 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-66D)	2,576.85	325.18
22 33 33 00-0091	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	2,868.31	365.83
22 33 33 00-0092	EA	Up To 12 KW, 119 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-120D)	3,964.55	487.77

22 33 33 00-0093 Removal And Reinstallation Of Water Heater (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0094	EA	Remove And Reinstall Water Heater Electric, Up To 82 Gallon	270.99	
22 33 33 00-0095	EA	Remove And Reinstall Water Heater Electric, 83 Gallon To 200 Gallon	812.95	

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,059.52	162.59
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,140.53	164.62
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,246.57	168.69
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,443.42	172.76
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	1,738.00	182.91



Plumbing	22	22
Plumbing Equipment	22 30	
Fuel-Fired Domestic Water Heaters	22 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	1,772.97	182.91
22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,136.46	162.59
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	1,738.00	182.91
22 34 30 Residential Gas Domestic Water Heaters (22 34)		
22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater.....	812.49	156.50
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater.....	801.75	160.56
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,039.67	164.62
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,120.01	168.69
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,216.90	172.76
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,760.14	182.91
22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater.....	1,417.47	160.56
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater.....	1,605.83	164.62
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater.....	2,063.84	168.69
22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater.....	1,295.75	160.56
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater.....	1,348.28	164.62
22 34 36 Commercial Gas Domestic Water Heaters (22 34)		
22 34 36 00-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36) Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120).....	4,717.87	243.89
22 34 36 00-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154).....	5,942.35	284.54
22 34 36 00-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180).....	6,202.40	325.18
22 34 36 00-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199).....	6,225.39	325.18
22 34 36 00-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200).....	6,368.85	325.18
22 34 36 00-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	7,899.73	357.70
22 34 36 00-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250).....	7,053.85	365.83
22 34 36 00-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	8,506.42	402.41
22 34 36 00-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251).....	6,674.52	365.83
22 34 36 00-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	8,132.72	402.41
22 34 36 00-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275).....	7,405.54	447.13
22 34 36 00-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	8,909.42	491.84
22 34 36 00-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305).....	7,532.55	447.13
22 34 36 00-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	8,960.46	491.84
22 34 36 00-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365).....	8,429.89	487.77
22 34 36 00-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	9,889.71	536.55
22 34 36 00-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400).....	10,171.49	487.77
22 34 36 00-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	11,763.39	536.55
22 34 36 00-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500).....	11,402.28	528.42
22 34 36 00-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151).....	5,672.79	284.54
22 34 36 00-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A).....	6,833.21	312.99
22 34 36 00-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201).....	5,897.78	325.18
22 34 36 00-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A).....	7,106.57	357.70
22 34 36 00-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200.....	894.96	203.24

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500	1,046.69	203.24
22 34 36 00-0027 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0028 EA 80 MBH Input, 74 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-80)	2,987.87	243.89
22 34 36 00-0029 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,447.67	243.89
22 34 36 00-0030 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,108.70	243.89
22 34 36 00-0031 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,276.28	284.54
22 34 36 00-0032 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	6,524.26	325.18
22 34 36 00-0033 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	6,564.49	325.18
22 34 36 00-0034 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	6,713.93	325.18
22 34 36 00-0035 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	7,893.98	357.70
22 34 36 00-0036 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	7,415.94	365.83
22 34 36 00-0037 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	9,127.15	402.41
22 34 36 00-0038 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	7,779.70	447.13
22 34 36 00-0039 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	9,524.41	491.84
22 34 36 00-0040 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	7,955.57	447.13
22 34 36 00-0041 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	9,627.86	491.84
22 34 36 00-0042 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	8,935.78	487.77
22 34 36 00-0043 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	10,473.65	536.55
22 34 36 00-0044 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	10,866.94	487.77
22 34 36 00-0045 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	12,447.34	536.55
22 34 36 00-0046 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0047 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	2,717.74	243.89
22 34 36 00-0048 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	3,706.31	243.89
22 34 36 00-0049 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	5,206.41	243.89
22 34 36 00-0050 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	6,588.61	268.28
22 34 36 00-0051 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	6,994.72	284.54
22 34 36 00-0052 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	8,534.47	312.99
22 34 36 00-0053 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	7,228.90	325.18
22 34 36 00-0054 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	8,790.59	357.70
22 34 36 00-0055 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	8,174.62	365.83
22 34 36 00-0056 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	9,650.17	402.41
22 34 36 00-0057 EA 300 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	12,128.02	491.84
22 34 36 00-0058 EA 399.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	13,901.46	536.55
22 34 36 00-0059 EA 499.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	16,014.00	581.26
22 34 36 00-0060 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36)		
22 34 36 00-0061 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	24,641.04	938.94
22 34 36 00-0062 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	34,823.30	1,037.78
22 34 36 00-0063 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	37,789.06	1,087.20
22 34 36 00-0064 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	40,929.16	1,186.04
22 34 36 00-0065 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36)		
22 34 36 00-0066 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	21,845.35	938.94
22 34 36 00-0067 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	24,133.37	1,037.78
22 34 36 00-0068 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	26,386.04	1,087.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0069 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	28,667.65	1,186.04
22 34 36 00-0070 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0071 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	5,597.44	444.76
22 34 36 00-0072 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,157.73	494.18
22 34 36 00-0073 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,231.27	593.02
22 34 36 00-0074 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,210.89	617.73
22 34 36 00-0075 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,245.96	741.27
22 34 36 00-0076 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	13,870.84	889.53
22 34 36 00-0077 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,771.79	938.94
22 34 36 00-0078 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,483.53	1,013.08
22 34 36 00-0079 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	19,087.25	1,062.49
22 34 36 00-0080 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,488.89	1,087.20
22 34 36 00-0081 Patterson Kelly Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0082 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	18,351.20	741.27
22 34 36 00-0083 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	20,198.85	889.53
22 34 36 00-0084 EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	27,025.24	1,013.08
22 34 36 00-0085 EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	27,839.97	1,062.49
22 34 36 00-0086 EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	29,145.39	1,087.20
22 34 36 00-0087 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0088 EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire).....	23,283.20	889.53
22 34 36 00-0089 EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire).....	28,169.18	1,013.08
22 34 36 00-0090 EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire).....	29,892.69	1,087.20
22 34 36 00-0091 Laars Mighty Therm Volume Water Heater <small>(22 34 36)</small>		
22 34 36 00-0092 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200).....	6,003.92	599.01
22 34 36 00-0093 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300).....	6,524.30	673.89
22 34 36 00-0094 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400).....	7,573.20	823.64
22 34 36 00-0095 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500).....	10,905.85	898.52
22 34 36 00-0096 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750).....	12,020.93	1,048.27
22 34 36 00-0097 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000).....	13,749.98	1,198.02
22 34 36 00-0098 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250).....	15,200.05	1,347.77
22 34 36 00-0099 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500).....	18,123.47	1,497.52
22 34 36 00-0100 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750).....	18,813.88	1,572.39
22 34 36 00-0101 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000).....	20,166.12	1,647.28
22 34 36 00-0102 Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package <small>(22 34 36)</small>		
Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 00-0103 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	46,472.45	1,003.86
22 34 36 00-0104 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	56,150.49	1,066.60
22 34 36 00-0105 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	68,181.60	1,129.34
22 34 36 00-0106 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	81,466.10	1,192.07
22 34 36 00-0107 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	85,391.31	1,254.81
22 34 36 00-0108 Removal And Reinstallation Of Water Heater <small>(22 34 36)</small>		
Note: Includes storage and cleaning.		
22 34 36 00-0109 EA Remove And Reinstall Water Heater Gas Fired, Up To 86 Gallon	369.52	
22 34 36 00-0110 EA Remove And Reinstall Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	977.11	
22 34 46 Oil-Fired Domestic Water Heaters <small>(22 34)</small>		
22 34 46 00-0001 Oil-Fired Domestic Water Heaters (Bock) <small>(22 34 46)</small>		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0002 EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,656.40	156.50
22 34 46 00-0003 EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,632.81	156.50
22 34 46 00-0004 EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	1,751.49	156.50
22 34 46 00-0005 EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	1,807.09	160.56
22 34 46 00-0006 EA 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	2,280.98	164.62
22 34 46 00-0007 EA 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	1,948.13	164.62

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**22 34 46 00-0008****Oil Fired Commercial Water Heaters** (22 34 46)Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection.
Excludes vent.

22 34 46 00-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Boch 71E).....	2,690.54	243.89
22 34 46 00-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 72E).....	3,022.68	243.89
22 34 46 00-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 73E).....	3,203.07	243.89
22 34 46 00-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	4,628.38	325.18
22 34 46 00-0013	EA	277 MBH, 109 Gallon, Oil-Fired Commercial Water Heater (Bock 241E).....	5,331.54	365.83
22 34 46 00-0014	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	6,371.72	406.48
22 34 46 00-0015	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	8,057.51	447.13

22 35 Domestic Water Heat Exchangers (22 30)**22 35 23 Circulating, Domestic Water heat Exchangers** (22 35)**22 35 23 00-0001 Steam Driven Water Heaters** (22 35 23)**22 35 23 00-0002 Constant Flow** (22 35 23 00-0001)

22 35 23 00-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	4,231.92	406.48
22 35 23 00-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	5,283.84	498.10
22 35 23 00-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	6,773.17	651.42
22 35 23 00-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	9,170.03	907.34
22 35 23 00-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	13,559.89	1,494.38
22 35 23 00-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	14,790.05	1,693.63
22 35 23 00-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	19,358.50	1,954.18
22 35 23 00-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	23,284.80	2,309.53

22 35 23 00-0011 Variable Flow (22 35 23 00-0001)

22 35 23 00-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	6,408.84	792.64
22 35 23 00-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	7,276.59	967.83
22 35 23 00-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	9,285.44	1,251.46
22 35 23 00-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	12,196.59	1,746.07
22 35 23 00-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	18,259.38	2,920.14
22 35 23 00-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	22,158.88	3,215.81
22 35 23 00-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	25,675.63	3,763.66
22 35 23 00-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	32,463.63	4,496.46

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)**22 41 39 Residential Faucets, Supplies, And Trim** (22 41)**22 41 39 00-0001 Kitchen Faucets** (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta Model 100WF).....	123.23	37.42
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta Model 400WF).....	140.55	37.42
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta Model 300WF).....	140.55	37.42
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta Model 2102-LHP+H215)	135.76	37.42
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta Model 2402-LHP+H215).....	145.07	37.42

22 41 39 00-0007 Lavatory Faucets (22 41 39)

22 41 39 00-0008	EA	Chrome Single Acrylic Handle Bath Faucet (Delta Model 502WF)	110.31	26.94
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA	Chrome Single Lever Handle Bath Faucet (Delta Model 500WF).....	110.31	26.94
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA	Chrome Two Handle Bath Faucet With Acrylic Handles (Delta Model 2502).....	84.86	26.94
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

22 41 39 00-0011 Bath And Shower Faucets (22 41 39)

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	135.15	32.47
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	165.09	32.47
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower Only, Ceramic Valving (American Standard 3275.301)	120.89	32.47
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	



	Plumbing	22
	Plumbing Fixtures	22 40
	Residential Plumbing Fixtures	22 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0015 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3275.302) <i>For Faucet With Polished Nickel Or Brass Finish, Add</i> <i>For Faucet With Lever Handles, Add</i>	135.85 75.00 8.10	32.47
22 41 39 00-0016 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3375.302)..... <i>For Faucet With Polished Nickel Or Brass Finish, Add</i> <i>For Faucet With Lever Handles, Add</i>	148.87 75.00 8.10	32.47
22 41 39 00-0017 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	159.09	20.33
22 41 39 00-0018 Laundry Faucets (22 41 39)		
22 41 39 00-0019 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123).....	95.91	23.90
22 41 39 00-0020 Laundry/Wash Basin Faucets (22 41 39)		
22 41 39 00-0021 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121)	96.62	23.90
22 41 39 00-0022 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121+RP25695)	135.05	26.34
22 41 39 00-0023 Other Faucets (22 41 39)		
22 41 39 00-0024 EA Sillcock, Compact, Brass, IPS Or Copper To Hose	21.89	6.10
22 42 Commercial Plumbing Fixtures (22 40)		
Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.		
22 42 13 Commercial Water Closets, Urinals, And Bidets (22 42)		
22 42 13 00-0001 Vitreous China Water Closets (22 42 13)		
Note: With a 2" ball pass.		
22 42 13 00-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 00-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	477.19	77.83
22 42 13 00-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Neolo®).....	639.40	77.83
22 42 13 00-0005 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	471.21	77.83
22 42 13 00-0006 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....	592.86	77.83
22 42 13 00-0007 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	803.60	77.83
22 42 13 00-0008 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	705.88	77.83
22 42 13 00-0009 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	511.31	77.83
22 42 13 00-0010 Wall Hung Elongated Vitreous China Water Closets (22 42 13 00-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0011 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®)	549.82	95.79
22 42 13 00-0012 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit)	716.68	95.79
22 42 13 00-0013 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	945.36	95.79
22 42 13 00-0014 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	625.39	95.79
22 42 13 00-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	503.32	95.79
22 42 13 00-0016 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2059-A)	534.54	95.79
22 42 13 00-0017 Floor Mounted Elongated Handicapped Water Closets (22 42 13 00-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0018 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	485.43	77.83
22 42 13 00-0019 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	500.05	77.83
22 42 13 00-0020 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	564.54	77.83
22 42 13 00-0021 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	644.31	77.83
22 42 13 00-0022 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	640.99	77.83
22 42 13 00-0023 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	895.60	77.83
22 42 13 00-0024 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	736.05	77.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0025 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	551.12	77.83
22 42 13 00-0026 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets <small>(22 42 13 00-0001)</small> Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0027 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	517.59	77.83
22 42 13 00-0028 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	492.73	77.83
22 42 13 00-0029 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	596.45	77.83
22 42 13 00-0030 Water Closet Flush Valves <small>(22 42 13 00-0001)</small>		
22 42 13 00-0031 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115).....	155.23	25.51
22 42 13 00-0032 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	168.27	25.51
22 42 13 00-0033 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	193.38	25.51
22 42 13 00-0034 EA Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140).....	266.28	25.51
22 42 13 00-0035 EA Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142).....	294.61	25.51
22 42 13 00-0036 EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	527.14	25.51
22 42 13 00-0037 EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	531.40	25.51
22 42 13 00-0038 EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6 ES-S).....	559.97	25.51
22 42 13 00-0039 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	521.61	25.51
22 42 13 00-0040 EA Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)..... Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	237.39	14.97
22 42 13 00-0041 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	460.58	25.51
22 42 13 00-0042 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM).....	259.85	25.51
22 42 13 00-0043 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 4018X).....	229.23	25.51
22 42 13 00-0044 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	227.56	22.45
22 42 13 00-0045 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	246.80	22.45
22 42 13 00-0046 EA Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN).....	534.53	25.51
22 42 13 00-0047 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	584.32	25.51
22 42 13 00-0048 EA Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31).....	743.03	25.51
22 42 13 00-0049 EA Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32).....	743.03	25.51
22 42 13 00-0050 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	492.63	25.51
22 42 13 00-0051 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	238.41	22.45
22 42 13 00-0052 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	75.07	4.12
22 42 13 00-0053 Vitreous China Urinals <small>(22 42 13)</small> Note: Excludes flush valve unless indicated otherwise.		
22 42 13 00-0054 Wall Hung Urinals <small>(22 42 13 00-0053)</small>		
22 42 13 00-0055 EA Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™).....	450.08	80.08
22 42 13 00-0056 EA Washout, Wall Hung, Vitreous China Urinal (American Standard Decorum™).....	471.35	80.08
22 42 13 00-0057 EA Washout, Wall Hung, Vitreous China Urinal (American Standard Washbrook®).....	572.40	80.08
22 42 13 00-0058 EA Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™).....	635.55	80.08
22 42 13 00-0059 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™).....	570.40	80.08
22 42 13 00-0060 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™).....	467.02	80.08
22 42 13 00-0061 EA Blowout, Wall Hung, Vitreous China Urinal (American Standard Jetbrook™).....	566.41	80.08
22 42 13 00-0062 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	588.38	80.08
22 42 13 00-0063 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	489.52	80.08
22 42 13 00-0064 Floor Mounted Urinals <small>(22 42 13 00-0053)</small>		
22 42 13 00-0065 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	800.01	101.03
22 42 13 00-0066 Urinal Flush Valves <small>(22 42 13 00-0053)</small>		
22 42 13 00-0067 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186)..... Note: 0.5, 1.0 or 1.5 GPF.	151.80	25.51
22 42 13 00-0068 EA Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180)..... Note: 1.0, 1.5 or 3.5 GPF.	151.80	25.51
22 42 13 00-0069 EA Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195)..... Note: 1.0 or 1.5 GPF.	212.89	25.51
22 42 13 00-0070 EA Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197)..... Note: 1.0 or 1.5 GPF.	288.14	25.51
22 42 13 00-0071 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)..... Note: 1.0 or 1.5 GPF.	447.57	25.51
22 42 13 00-0072 EA Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	599.84	25.51
22 42 13 00-0073 EA Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	642.99	25.51
22 42 13 00-0074 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1)..... Note: 1.0 GPF.	423.16	25.51
22 42 13 00-0075 EA Exposed Infrared Urinal Flush Valve (Toto EcoPower TEU1LN)..... Note: 0.5 GPF.	534.53	25.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0076 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	581.11	25.51
22 42 13 00-0077 EA Concealed Infrared Urinal Flush Valve, 0.5 GPF (Toto EcoPower TEU2LN21 Or TEU3LN21).....	911.97	25.51
22 42 13 00-0078 Enameled Cast Iron Trough Type Urinals (22 42 13 00-0053)		
Note: Includes strainer, p-trap, washdown pipe and trim.		
22 42 13 00-0079 EA 36" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	2,188.85	108.06
22 42 13 00-0080 EA 48" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	2,467.62	108.06
22 42 13 00-0081 EA 60" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	2,882.74	125.94
22 42 13 00-0082 EA 72" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	3,228.17	125.94
22 42 13 00-0083 Waterfree Urinals (22 42 13 00-0053)		
22 42 13 00-0084 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Small FloWise® Flush-Free).....	460.98	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-31.22	
22 42 13 00-0085 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Medium FloWise® Flush-Free).....	523.47	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-38.35	
22 42 13 00-0086 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	554.72	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-41.91	
22 42 13 00-0087 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-1000).....	609.62	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-48.17	
22 42 13 00-0088 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000).....	563.18	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-42.87	
22 42 13 00-0089 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000).....	445.68	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-29.48	
22 42 13 00-0090 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000).....	445.68	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-29.48	
22 42 13 00-0091 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000).....	537.98	56.13
For Colored Fixtures, Add	66.90	
For >1, Deduct	-40.00	
22 42 13 00-0092 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000).....	784.78	56.13
For >1, Deduct	-68.14	
22 42 13 00-0093 Removal And Reinstallation Of Fixtures And Trim (22 42 13)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 00-0094 EA Remove And Reinstall Wall Hung Water Closet With Tank.....	345.83	
22 42 13 00-0095 EA Remove And Reinstall Wall Hung Water Closet With Flush Valve.....	345.83	
22 42 13 00-0096 EA Remove And Reinstall Floor Mount Water Closet With Tank.....	266.83	
22 42 13 00-0097 EA Remove And Reinstall Floor Mount Water Closet With Flush Valve.....	266.83	
22 42 13 00-0098 EA Remove And Reinstall Wall Hung Urinal With Flush Valve.....	354.46	
22 42 13 00-0099 Stainless Steel Water Closets (22 42 13)		
22 42 13 00-0100 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	2,503.75	168.38
22 42 13 00-0101 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	2,638.05	168.38
22 42 13 00-0102 Stainless Steel Urinals (22 42 13)		
22 42 13 00-0103 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	2,579.29	168.38
22 42 13 00-0104 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	3,343.87	205.80
22 42 13 00-0105 Fixture Carriers (22 42 13)		
22 42 13 00-0106 Water Closet Carriers (22 42 13 00-0105)		
22 42 13 00-0107 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 00-0106)		
Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 00-0108 EA Pipe Grip Adaptor Type, Water Closet Carrier.....	356.64	39.52
22 42 13 00-0109 No-Hub, Water Closet Carriers (22 42 13 00-0106)		
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 00-0110 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	541.44	39.52
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-45.33	
For Positioning Frame, Add	30.36	
For Supply Pipe Support, Add	31.04	
For Vandal Proof Trim, Add	38.59	
For Auxiliary Inlet, Add	131.58	
For Special Duty 500 LB Carrier, Add	215.25	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0111	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier	541.44	39.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-45.33	
			<i>For Positioning Frame, Add</i>	30.36	
			<i>For Supply Pipe Support, Add</i>	31.04	
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For Auxiliary Inlet, Add</i>	131.58	
			<i>For Special Duty 500 LB Carrier, Add</i>	215.25	
22 42 13 00-0112	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier	589.50	39.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-45.33	
			<i>For Positioning Frame, Add</i>	30.36	
			<i>For Supply Pipe Support, Add</i>	31.04	
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For Auxiliary Inlet, Add</i>	131.58	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	133.13	
			<i>For Carrier For Wide Chase Installations, Add</i>	178.75	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	215.26	
22 42 13 00-0113	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	651.09	39.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-45.33	
			<i>For Positioning Frame, Add</i>	30.36	
			<i>For Supply Pipe Support, Add</i>	31.04	
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For 4" Branch, Add</i>	102.68	
			<i>For Auxiliary Inlet, Add</i>	131.58	
			<i>For Carrier For Wide Chase Installations, Add</i>	178.75	
			<i>For Double 4" Branches, Add</i>	206.03	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	215.26	
22 42 13 00-0114	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	897.43	58.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.68	
			<i>For Positioning Frame, Add</i>	66.33	
			<i>For Supply Pipe Support, Add</i>	67.68	
			<i>For Vandal Proof Trim, Add</i>	77.17	
			<i>For Auxiliary Inlet, Add</i>	142.80	
			<i>For Special Duty 500 LB Carrier, Add</i>	430.50	
22 42 13 00-0115	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	921.80	58.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.68	
			<i>For Positioning Frame, Add</i>	66.33	
			<i>For Supply Pipe Support, Add</i>	67.68	
			<i>For Vandal Proof Trim, Add</i>	77.17	
			<i>For Auxiliary Inlet, Add</i>	142.80	
			<i>For Special Duty 500 LB Carrier, Add</i>	430.50	
22 42 13 00-0116	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,116.06	58.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.68	
			<i>For Positioning Frame, Add</i>	66.33	
			<i>For Supply Pipe Support, Add</i>	67.68	
			<i>For Vandal Proof Trim, Add</i>	77.17	
			<i>For 4" Branch, Add</i>	108.30	
			<i>For Auxiliary Inlet, Add</i>	142.80	
			<i>For Double 4" Branches, Add</i>	217.25	
			<i>For Carrier For Wide Chase Installations, Add</i>	391.18	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	430.51	
22 42 13 00-0117	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,052.44	58.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.68	
			<i>For Positioning Frame, Add</i>	66.33	
			<i>For Supply Pipe Support, Add</i>	67.68	
			<i>For Vandal Proof Trim, Add</i>	77.17	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	138.75	
			<i>For Carrier For Wide Chase Installations, Add</i>	391.18	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	430.51	
22 42 13 00-0118			Hub And Spigot, Water Closet Carriers (22 42 13 00-0106)		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 00-0119	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	541.44	39.52
			<i>For Positioning Frame, Add</i>	30.36	
			<i>For Supply Pipe Support, Add</i>	31.04	
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For Hanger Type Closet Adapter, Add</i>	96.80	
			<i>For Auxiliary Inlet, Add</i>	131.58	
22 42 13 00-0120	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	541.44	39.52
			<i>For Positioning Frame, Add</i>	30.36	
			<i>For Supply Pipe Support, Add</i>	31.04	
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For Auxiliary Inlet, Add</i>	131.58	
			<i>For Special Duty 500 LB Carrier, Add</i>	215.25	
22 42 13 00-0121	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	674.10	39.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-45.33	
			<i>For Positioning Frame, Add</i>	30.36	
			<i>For Supply Pipe Support, Add</i>	31.04	
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For 4" Branch, Add</i>	102.68	
			<i>For Auxiliary Inlet, Add</i>	131.58	
			<i>For Carrier For Wide Chase Installations, Add</i>	178.75	
			<i>For Double 4" Branches, Add</i>	206.03	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	215.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 42 13 00-0122	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	897.43	58.00
				<i>For Positioning Frame, Add</i>	66.33	
				<i>For Supply Pipe Support, Add</i>	67.68	
				<i>For Vandal Proof Trim, Add</i>	77.17	
				<i>For Auxiliary Inlet, Add</i>	142.80	
				<i>For Hanger Type Closet Adapter, Add</i>	193.59	
	22 42 13 00-0123	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,139.08	58.00
				<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.68	
				<i>For Positioning Frame, Add</i>	66.33	
				<i>For Supply Pipe Support, Add</i>	67.68	
				<i>For Vandal Proof Trim, Add</i>	77.17	
				<i>For 4" Branch, Add</i>	108.30	
				<i>For Auxiliary Inlet, Add</i>	142.80	
				<i>For Double 4" Branches, Add</i>	217.25	
				<i>For Carrier For Wide Chase Installations, Add</i>	391.18	
				<i>For Special Duty 1,000 LB Carrier, Add</i>	430.51	
	22 42 13 00-0124			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers		
				<small>(22 42 13 00-0106)</small>		
				Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
	22 42 13 00-0125	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	422.98	39.52
				<i>For Positioning Frame, Add</i>	30.36	
				<i>For Supply Pipe Support, Add</i>	31.04	
				<i>For Vandal Proof Trim, Add</i>	38.59	
				<i>For Hanger Type Closet Adapter, Add</i>	96.80	
	22 42 13 00-0126			Institutional Water Closet Carriers <small>(22 42 13 00-0106)</small>		
				Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
	22 42 13 00-0127	EA		Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	1,453.16	58.00
				<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.68	
				<i>For Positioning Frame, Add</i>	66.33	
				<i>For Supply Pipe Support, Add</i>	67.68	
				<i>For Vandal Proof Trim, Add</i>	77.17	
				<i>For Auxiliary Inlet, Add</i>	142.80	
	22 42 13 00-0128			Urinal Carriers <small>(22 42 13 00-0105)</small>		
	22 42 13 00-0129			Floor Mounted, Urinal Carriers <small>(22 42 13 00-0128)</small>		
				Note: Includes adjustable supporting rods, structural uprights and welded feet.		
	22 42 13 00-0130	EA		Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	308.15	28.44
				<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.21	
	22 42 13 00-0131	EA		Floor Mounted Bearing Plate Type, Single Urinal Carrier	333.87	28.44
				<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.21	
	22 42 13 00-0132			Wall Mounted, Urinal Carriers <small>(22 42 13 00-0128)</small>		
				Note: Includes wall plate and adjustable supporting rods.		
	22 42 13 00-0133	EA		Wall Mounted Hanger Plate Type, Single Urinal Carrier.....	147.73	28.44
				<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	14.21	
	22 42 16			Commercial Lavatories And Sinks <small>(22 42)</small>		
	22 42 16 00-0001			Lavatories <small>(22 42 16)</small>		
				Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
	22 42 16 00-0002			Wall Hung Lavatories <small>(22 42 16 00-0001)</small>		
	22 42 16 00-0003	EA		19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	445.36	50.14
	22 42 16 00-0004	EA		20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	467.97	50.14
	22 42 16 00-0005	EA		22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	610.68	50.14
	22 42 16 00-0006	EA		18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	404.15	50.14
	22 42 16 00-0007	EA		19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	340.99	50.14
	22 42 16 00-0008	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	414.78	50.14
	22 42 16 00-0009	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	359.61	50.14
	22 42 16 00-0010	EA		27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	533.78	50.14
	22 42 16 00-0011			Countertop Lavatories <small>(22 42 16 00-0001)</small>		
	22 42 16 00-0012	EA		21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	397.46	60.62
	22 42 16 00-0013	EA		19" Diameter Enameled Steel Counter Top Lavatory (American Standard Colony Round™)	366.21	60.62
	22 42 16 00-0014	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	419.99	60.62
	22 42 16 00-0015	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	444.00	60.62
	22 42 16 00-0016	EA		22" x 19" Enameled Cast Iron Countertop Lavatory (Kohler® Providence®)	552.24	65.48
	22 42 16 00-0017	EA		24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	576.94	65.48
	22 42 16 00-0018			Undercounter Lavatories <small>(22 42 16 00-0001)</small>		
	22 42 16 00-0019	EA		15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	400.95	60.62
	22 42 16 00-0020	EA		17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	371.04	60.62

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0021	EA		19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™).....	371.04	60.62
22 42 16 00-0022	EA		21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™).....	407.25	60.62
22 42 16 00-0023	EA		15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®).....	383.91	60.62
22 42 16 00-0024	EA		17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®).....	378.40	60.62
22 42 16 00-0025	EA		19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®).....	384.01	60.62
22 42 16 00-0026	EA		21" x 17" Oval Vitreous China Undercounter Lavatory (Crane Tiara™).....	367.11	60.62
22 42 16 00-0027	EA		18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®).....	507.87	60.62
22 42 16 00-0028	EA		21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®).....	507.87	60.62
22 42 16 00-0029			Pedestal Lavatories (22 42 16 00-0001)		
22 42 16 00-0030	EA		19" x 21" x 34" High Vitreous China Pedestal Sink (American Standard Colony™).....	425.54	144.06
22 42 16 00-0031			Pre-Molded Culture Marble Lavatory Vanity (22 42 16 00-0001)		
			Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42 16 00-0032	EA		17" x 20" Pre-Molded Culture Marble Vanity Top With Lavatory.....	126.79	46.77
			<i>For Colored Fixtures, Add</i>	9.64	
22 42 16 00-0033	EA		18" x 24" Pre-Molded Culture Marble Vanity Top With Lavatory.....	168.39	56.13
			<i>For Colored Fixtures, Add</i>	16.29	
22 42 16 00-0034	EA		18" x 30" Pre-Molded Culture Marble Vanity Top With Lavatory.....	190.77	59.87
			<i>For Colored Fixtures, Add</i>	20.61	
22 42 16 00-0035	EA		18" x 36" Pre-Molded Culture Marble Vanity Top With Lavatory.....	209.72	63.61
			<i>For Colored Fixtures, Add</i>	23.93	
22 42 16 00-0036	EA		19" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory.....	174.12	56.13
			<i>For Colored Fixtures, Add</i>	17.95	
22 42 16 00-0037	EA		19" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory.....	194.19	59.87
			<i>For Colored Fixtures, Add</i>	21.61	
22 42 16 00-0038	EA		19" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory.....	212.01	63.61
			<i>For Colored Fixtures, Add</i>	24.60	
22 42 16 00-0039	EA		19" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory.....	244.40	65.48
			<i>For Colored Fixtures, Add</i>	32.91	
22 42 16 00-0040	EA		19" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory.....	271.09	67.36
			<i>For Colored Fixtures, Add</i>	39.56	
22 42 16 00-0041	EA		22" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory.....	197.05	56.13
			<i>For Colored Fixtures, Add</i>	24.60	
22 42 16 00-0042	EA		22" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory.....	233.16	59.87
			<i>For Colored Fixtures, Add</i>	32.91	
22 42 16 00-0043	EA		22" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory.....	252.12	63.61
			<i>For Colored Fixtures, Add</i>	36.23	
22 42 16 00-0044	EA		22" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory.....	274.20	65.48
			<i>For Colored Fixtures, Add</i>	41.55	
22 42 16 00-0045	EA		22" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory.....	294.01	67.36
			<i>For Colored Fixtures, Add</i>	46.20	
22 42 16 00-0046	EA		22" x 55" Pre-Molded Culture Marble Vanity Top With Lavatory.....	319.83	71.09
			<i>For Colored Fixtures, Add</i>	51.52	
22 42 16 00-0047			Stainless Steel Lavatories (22 42 16 00-0001)		
22 42 16 00-0048	EA		18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,292.39	130.97
22 42 16 00-0049			Solid Surface Multi-Station Lavatory Systems (22 42 16 00-0001)		
			Note: ADA compliant. Includes integral faucets.		
22 42 16 00-0050	EA		2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2).....	3,386.39	107.34
			<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
			<i>For Integral Photovoltaic Power Panels, Add</i>	563.00	
22 42 16 00-0051	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3).....	4,943.61	107.34
			<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
			<i>For Integral Photovoltaic Power Panels, Add</i>	657.00	
22 42 16 00-0052	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	240.92	35.78
22 42 16 00-0053	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	294.47	35.78
22 42 16 00-0054	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	567.19	35.78
22 42 16 00-0055			Sinks (22 42 16)		
			Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 00-0056			Kitchen Sinks (22 42 16 00-0055)		
22 42 16 00-0057	EA		25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	492.41	70.35
22 42 16 00-0058	EA		22" x 33" x 8-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	582.42	80.08
22 42 16 00-0059	EA		15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	617.74	68.85
			<i>For 18 Gauge, Add</i>	168.55	
22 42 16 00-0060	EA		17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	636.48	68.85
			<i>For 18 Gauge, Add</i>	177.92	
22 42 16 00-0061	EA		22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	678.66	68.85
			<i>For 18 Gauge, Add</i>	199.01	
22 42 16 00-0062	EA		25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	715.75	70.35
			<i>For 18 Gauge, Add</i>	213.07	
22 42 16 00-0063	EA		31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	928.66	80.08
			<i>For 18 Gauge, Add</i>	305.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0064 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	951.24	80.08
<i>For 18 Gauge, Add</i>	316.40	
22 42 16 00-0065 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,250.40	80.08
22 42 16 00-0066 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	921.58	68.85
22 42 16 00-0067 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	942.67	68.85
22 42 16 00-0068 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	995.79	68.85
22 42 16 00-0069 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,066.46	70.35
22 42 16 00-0070 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,310.62	80.08
22 42 16 00-0071 Undermount Kitchen Sinks (22 42 16 00-0055)		
22 42 16 00-0072 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	875.52	68.85
22 42 16 00-0073 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	873.24	68.85
22 42 16 00-0074 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	883.33	68.85
22 42 16 00-0075 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	936.45	68.85
22 42 16 00-0076 Multi-Station Wash Sink, Wall Mounted (22 42 16 00-0055)		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 00-0077 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,667.83	121.61
Note: Excludes faucets.		
22 42 16 00-0078 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,260.95	130.97
Note: Excludes faucets.		
22 42 16 00-0079 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,609.84	140.31
Note: Excludes faucets.		
22 42 16 00-0080 EA 72" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,855.98	149.67
Note: Excludes faucets.		
22 42 16 00-0081 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,847.33	93.55
Note: Excludes faucets.		
22 42 16 00-0082 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,051.93	102.90
Note: Excludes faucets.		
22 42 16 00-0083 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,252.32	112.25
Note: Excludes faucets.		
22 42 16 00-0084 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,498.71	126.28
Note: Excludes faucets.		
22 42 16 00-0085 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,422.61	205.80
Note: Includes sensor operated spray heads.		
22 42 16 00-0086 Laundry Sinks (22 42 16 00-0055)		
22 42 16 00-0087 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	431.84	80.08
22 42 16 00-0088 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	526.90	80.08
22 42 16 00-0089 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	430.12	80.08
22 42 16 00-0090 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	766.10	80.08
22 42 16 00-0091 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,165.26	89.80
22 42 16 00-0092 Refinish Sink/Lavatory (22 42 16 00-0055)		
22 42 16 00-0093 EA Refinish Sink/Lavatory.....	179.10	
22 42 16 00-0094 Service Sinks (22 42 16 00-0055)		
22 42 16 00-0095 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	821.56	120.49
22 42 16 00-0096 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	873.42	120.49
22 42 16 00-0097 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,139.50	159.40
22 42 16 00-0098 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zum FD2377-PO3-F).....	383.42	112.25
22 42 16 00-0099 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	532.68	112.25
22 42 16 00-0100 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	582.53	134.70
22 42 16 00-0101 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	485.25	112.25
22 42 16 00-0102 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	548.50	134.70
22 42 16 00-0103 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	543.12	112.25
22 42 16 00-0104 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	668.63	134.70
22 42 16 00-0105 Stainless Steel Sink And Drainboard (22 42 16 00-0055)		
22 42 16 00-0106 EA 24" x 24" Stainless Steel Sink With One Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,583.43	187.09
22 42 16 00-0107 Soapstone Sinks (22 42 16 00-0055)		
22 42 16 00-0108 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	948.86	68.85
22 42 16 00-0109 SF Soapstone Sink Backsplash.....	149.00	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0110	EA		30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,223.54	80.08
22 42 16 00-0111	EA		36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,451.63	80.08
22 42 16 00-0112			Fixture Carriers (22 42 16)		
22 42 16 00-0113			Lavatory Carriers (22 42 16 00-0112)		
22 42 16 00-0114			Floor Mounted, Lavatory Carriers (22 42 16 00-0113)		
22 42 16 00-0115			Floor Mounted Plate Type, Lavatory Carriers (22 42 16 00-0114) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 00-0116	EA		Floor Mounted Hanger Plate Type, Single Lavatory Carrier	308.15	28.44
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.21	
			<i>For Valve Plate For Attaching To Upright, Add</i>	52.00	
			<i>For Corner Carrier, Add</i>	101.30	
22 42 16 00-0117	EA		Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	333.87	28.44
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.21	
			<i>For Valve Plate For Attaching To Upright, Add</i>	52.00	
22 42 16 00-0118	EA		Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	379.23	28.44
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	28.43	
			<i>For Valve Plate For Attaching To Upright, Add</i>	103.99	
22 42 16 00-0119	EA		Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier.....	431.35	28.44
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	28.43	
			<i>For Valve Plate For Attaching To Upright, Add</i>	103.99	
22 42 16 00-0120			Floor Mounted, Lavatory Carriers With Arms (22 42 16 00-0114) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 00-0121	EA		Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	394.19	33.67
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	14.21	
			<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i>	19.63	
			<i>For Valve Plate For Attaching To Upright, Add</i>	53.50	
			<i>For 2" Chrome Plated Escutcheons, Add</i>	48.06	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	87.32	
22 42 16 00-0122	EA		Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	518.74	33.67
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i>	14.21	
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For Valve Plate For Attaching To Upright, Add</i>	53.50	
			<i>For Heavy Duty Carrier, Add</i>	49.41	
22 42 16 00-0123	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	518.06	33.67
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	28.43	
			<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i>	39.27	
			<i>For Valve Plate For Attaching To Upright, Add</i>	106.98	
			<i>For 2" Chrome Plated Escutcheons, Add</i>	96.12	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	174.64	
22 42 16 00-0124	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	756.33	33.67
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i>	28.43	
			<i>For Vandal Proof Trim, Add</i>	77.17	
			<i>For Valve Plate For Attaching To Upright, Add</i>	106.98	
			<i>For Heavy Duty Carrier, Add</i>	98.82	
22 42 16 00-0125			Wall Mounted, Lavatory Carriers (22 42 16 00-0113)		
22 42 16 00-0126			Wall Mounted Plate Type, Lavatory Carriers (22 42 16 00-0125) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 00-0127	EA		Wall Mounted Hanger Plate Type, Single Lavatory Carrier.....	147.73	28.44
			<i>For Double Plate Carrier, Add</i>	41.45	
22 42 16 00-0128			Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 00-0125) Note: Includes wall plate and leveling and securing screws.		
22 42 16 00-0129	EA		Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms.....	236.47	33.67
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.21	
			<i>For 2" Chrome Plated Escutcheons, Add</i>	48.06	
22 42 16 00-0130	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	274.38	33.67
			<i>For Movable Mounting Brackets, Deduct</i>	-36.54	
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.21	
			<i>For 2" Chrome Plated Escutcheons, Add</i>	48.06	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	87.32	
22 42 16 00-0131	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	391.48	33.67
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i>	14.21	
			<i>For Vandal Proof Trim, Add</i>	38.59	
22 42 16 00-0132			Sink Carriers (22 42 16 00-0112)		
22 42 16 00-0133			Floor Mounted, Sink Carriers (22 42 16 00-0132) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 00-0134	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	440.15	28.44
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For Valve Plate For Attaching To Upright, Add</i>	52.00	



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0135	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	672.32	28.44
			<i>For Vandal Proof Trim, Add</i>	38.59	
			<i>For Auxiliary Vent, Add</i>	116.31	
22 42 16 00-0136	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	837.49	28.44
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	29.10	
			<i>For Vandal Proof Trim, Add</i>	38.59	
22 42 16 00-0137			Removal And Reinstallation Of Fixtures And Trim (22 42 16)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 00-0138	EA		Remove And Reinstall Wall Hung Lavatory With Faucet.....	225.02	
22 42 16 00-0139	EA		Remove And Reinstall Wall Hung Service Sink With Faucet.....	306.67	
22 42 19			Commercial Bathtubs (22 42)		
22 42 19 00-0001			Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002			Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003	EA		54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,335.90	208.04
22 42 19 00-0004	EA		60" x 30" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler Villager®).....	680.65	208.04
22 42 19 00-0005	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,131.71	208.04
22 42 19 00-0006	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,341.03	208.04
22 42 19 00-0007	EA		66" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,751.69	208.04
22 42 19 00-0008	EA		66-1/4" x 32" x 16", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (American Standard Spectra™).....	1,487.81	208.04
22 42 19 00-0009			Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0010	EA		46-1/2" x 27" x 15-1/2", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard Huron™).....	668.13	208.04
22 42 19 00-0011	EA		54" x 30" x 15", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard Mackenzie™).....	656.16	208.04
22 42 19 00-0012	EA		60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	541.82	208.04
22 42 19 00-0013	EA		60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	556.44	208.04
22 42 19 00-0014			Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0015	EA		60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	844.29	208.04
22 42 19 00-0016			Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0017	EA		60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	871.95	208.04
22 42 19 00-0018	EA		60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,048.73	208.04
22 42 19 00-0019	EA		66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,071.56	208.04
22 42 19 00-0020	EA		72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,057.53	208.04
22 42 19 00-0021	EA		72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,108.01	208.04
22 42 19 00-0022			Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0023	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	398.31	
22 42 19 00-0024			Tub And Shower Combinations (22 42 19)		
22 42 19 00-0025			Acrylic Tub And Shower Combination (22 42 19 00-0024)		
22 42 19 00-0026	EA		3 Piece, 62" x 30-1/2" x 88" Domed Acrylic Tub And Shower (Crane Plumbing A 6031.21).....	1,284.64	77.28
			<i>For 2 Piece Enclosure, Deduct</i>	-272.43	
22 42 19 00-0027	EA		1 Piece, 59-7/8" x 34-1/2" x 79-5/8" Acrylic Tub And Shower (Aqua Glass 626036E).....	1,000.89	77.28
			<i>For 2 Piece Enclosure, Deduct</i>	-215.68	
22 42 19 00-0028			Fiberglass Tub And Shower Combination (22 42 19 00-0024)		
22 42 19 00-0029	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Lasco 2603-SG).....	712.38	77.28
22 42 19 00-0030	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Lasco 2603-2P).....	576.85	51.52
22 42 19 00-0031	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Lasco 26030-4P).....	1,136.66	116.65
22 42 23			Commercial Showers (22 42)		
22 42 23 00-0001			Shower Enclosures (22 42 23)		
			Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002			Stainless Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003	EA		36" x 36" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening (Crane Plumbing, Fiat S86 Commander).....	2,844.80	120.71
22 42 23 00-0004	EA		36" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Walk Through (Crane Plumbing, Fiat S91 Commander).....	2,844.80	120.71
22 42 23 00-0005	EA		37" x 37" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Corner Opening (Crane Plumbing, Fiat S92 Commander).....	2,844.80	120.70
22 42 23 00-0006	EA		38" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening Corner Model (Crane Plumbing, Fiat S101 Commander).....	2,844.80	120.70



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0007			Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA		39" x 39" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S115 Commander)	3,357.49	120.70
22 42 23 00-0009	EA		39" x 48" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S125 Commander)	4,389.85	120.70
22 42 23 00-0010	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	850.16	120.70
22 42 23 00-0011	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	850.16	120.70
22 42 23 00-0012	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,239.77	120.70
22 42 23 00-0013	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,355.43	120.70
22 42 23 00-0014			Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0015	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,343.26	120.70
22 42 23 00-0016	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,343.26	120.70
22 42 23 00-0017	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,891.14	120.70
22 42 23 00-0018	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	2,104.21	120.70
22 42 23 00-0019			1 Piece Shower Units (22 42 23)		
22 42 23 00-0020	EA		1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	653.40	77.28
22 42 23 00-0021	EA		1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	722.24	77.28
22 42 23 00-0022			Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0023			Acrylic Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0024	EA		36" x 36" Acrylic Shower Receptor	342.60	30.49
22 42 23 00-0025	EA		42" x 42" Acrylic Shower Receptor	362.69	30.49
22 42 23 00-0026	EA		48" x 48" Acrylic Shower Receptor	402.82	30.49
22 42 23 00-0027	EA		60" x 60" Acrylic Shower Receptor	490.05	36.59
22 42 23 00-0028	EA		48" x 32" Acrylic Shower Receptor	343.54	30.49
22 42 23 00-0029	EA		48" x 36" Acrylic Shower Receptor	369.97	30.49
22 42 23 00-0030	EA		48" x 42" Acrylic Shower Receptor	419.14	30.49
22 42 23 00-0031	EA		60" x 30" Acrylic Shower Receptor	628.42	76.78
22 42 23 00-0032	EA		60" x 32" Acrylic Shower Receptor	465.04	36.59
22 42 23 00-0033	EA		60" x 36" Acrylic Shower Receptor	468.44	36.59
22 42 23 00-0034	EA		60" x 42" Acrylic Shower Receptor	471.56	36.59
22 42 23 00-0035	EA		60" x 48" Acrylic Shower Receptor	520.42	36.59
22 42 23 00-0036	EA		37-1/2" x 37-1/2" Acrylic Corner Shower Receptor	503.69	30.49
22 42 23 00-0037	EA		42" x 42" Acrylic Corner Shower Receptor	579.54	30.49
22 42 23 00-0038	EA		47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	892.73	72.95
22 42 23 00-0039			Molded Stone Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0040	EA		32" x 32" Molded Stone Shower Receptor (Crane/Fiat 32WL)	225.73	30.49
22 42 23 00-0041	EA		34" x 34" Molded Stone Shower Receptor (Crane/Fiat 34WL)	237.07	30.49
22 42 23 00-0042	EA		36" x 36" Molded Stone Shower Receptor (Crane/Fiat 36WL)	238.33	30.49
22 42 23 00-0043	EA		42" x 42" Molded Stone Shower Receptor (Crane/Fiat 4242WL).....	294.40	30.49
22 42 23 00-0044	EA		42" x 34" Molded Stone Shower Receptor (Crane/Fiat 42WL)	260.38	30.49
22 42 23 00-0045	EA		48" x 32" Molded Stone Shower Receptor (Crane/Fiat 4832WL).....	276.13	30.49
22 42 23 00-0046	EA		48" x 34" Molded Stone Shower Receptor (Crane/Fiat 48WL)	278.02	30.49
22 42 23 00-0047	EA		54" x 34" Molded Stone Shower Receptor (Crane/Fiat 54WL)	321.65	36.59
22 42 23 00-0048	EA		60" x 34" Molded Stone Shower Receptor (Crane/Fiat 60WL)	333.62	36.59
22 42 23 00-0049	EA		36" x 36" Molded Stone Corner Shower Receptor (Crane/Fiat 36WLC).....	263.53	30.49
22 42 23 00-0050	EA		38" x 38" Molded Stone Corner Shower Receptor (Crane/Fiat 38WLC).....	270.46	30.49
22 42 23 00-0051			Precast Terrazzo Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0052	EA		30" x 30" Precast Terrazzo Shower Receptor.....	431.11	30.49
22 42 23 00-0053	EA		32" x 32" Precast Terrazzo Shower Receptor.....	448.12	30.49
22 42 23 00-0054	EA		34" x 34" Precast Terrazzo Shower Receptor.....	463.87	30.49
22 42 23 00-0055	EA		36" x 36" Precast Terrazzo Shower Receptor.....	465.76	30.49
22 42 23 00-0056	EA		40" x 40" Precast Terrazzo Shower Receptor.....	510.49	30.49
22 42 23 00-0057	EA		42" x 42" Precast Terrazzo Shower Receptor.....	533.17	30.49
22 42 23 00-0058	EA		48" x 48" Precast Terrazzo Shower Receptor.....	752.41	30.49
22 42 23 00-0059	EA		36" x 32" Precast Terrazzo Shower Receptor.....	460.09	30.49
22 42 23 00-0060	EA		42" x 32" Precast Terrazzo Shower Receptor.....	469.12	30.49
22 42 23 00-0061	EA		42" x 34" Precast Terrazzo Shower Receptor.....	485.29	30.49
22 42 23 00-0062	EA		42" x 36" Precast Terrazzo Shower Receptor.....	505.45	30.49
22 42 23 00-0063	EA		32" x 48" Precast Terrazzo Shower Receptor.....	507.34	30.49
22 42 23 00-0064	EA		48" x 34" Precast Terrazzo Shower Receptor.....	533.17	30.49
22 42 23 00-0065	EA		48" x 36" Precast Terrazzo Shower Receptor.....	552.07	30.49
22 42 23 00-0066	EA		54" x 32" Precast Terrazzo Shower Receptor.....	559.00	30.49
22 42 23 00-0067	EA		60" x 30" Precast Terrazzo Shower Receptor.....	756.75	36.59
22 42 23 00-0068	EA		60" x 32" Precast Terrazzo Shower Receptor.....	828.23	36.59
22 42 23 00-0069	EA		60" x 34" Precast Terrazzo Shower Receptor.....	831.74	36.59
22 42 23 00-0070	EA		60" x 36" Precast Terrazzo Shower Receptor.....	835.23	36.59
22 42 23 00-0071	EA		32" x 32" Precast Terrazzo Corner Shower Receptor.....	468.28	30.49
22 42 23 00-0072	EA		34" x 34" Precast Terrazzo Corner Shower Receptor.....	469.12	30.49
22 42 23 00-0073	EA		36" x 36" Precast Terrazzo Corner Shower Receptor.....	470.80	30.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0074	EA		40" x 40" Precast Terrazzo Corner Shower Receptor.....	565.93	30.49
22 42 23 00-0075	EA		36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,035.28	30.49
22 42 23 00-0076	EA		60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,151.99	36.59
22 42 23 00-0077	EA		60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,201.13	36.59
22 42 23 00-0078			Shower Receptors Accessories <small>(22 42 23 00-0022)</small>		
22 42 23 00-0079	SF		Polyvinyl Chloride (PVC) Shower Pan Liner	2.80	
22 42 23 00-0080			Removal And Reinstallation Of Fixtures And Trim <small>(22 42 23)</small>		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0081	EA		Remove And Reinstall Shower Head.....	36.59	
22 42 33			Wash Fountains <small>(22 42)</small>		
22 42 33 00-0001			Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA		36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	6,100.68	125.23
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0003	EA		36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	4,657.16	125.23
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,189.52	125.23
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0005	EA		54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	7,772.71	143.12
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0006	EA		54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,375.45	143.12
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	9,821.54	143.12
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0008			Semi-Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	5,322.45	107.34
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,260.88	107.34
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,194.10	107.34
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	6,529.85	125.23
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,146.77	125.23
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,371.45	125.23
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 39			Commercial Faucets, Supplies, And Trim <small>(22 42)</small>		
22 42 39 00-0001			Kitchen Faucets <small>(22 42 39)</small>		
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-WF)	134.90	37.42
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-WF)	152.79	37.42
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta Brilliance 140-SSWF)	160.46	37.42
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta Brilliance 440 -SSWF).....	182.33	37.42
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102-LHP+H24).....	123.68	37.42
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402-LHP+H24).....	137.26	37.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 2176-LHP+H24).....	170.77	37.42
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 2476-LHP+H24).....	192.97	37.42
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101-WF).....	123.43	37.42
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175-WF).....	145.45	37.42
22 42 39 00-0012	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	237.58	37.42
22 42 39 00-0013	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	259.81	37.42
22 42 39 00-0014	EA		Wall Mount Kitchen Faucet, Two Handle, 11" Long Swing Spout (Delta 28T6943).....	206.44	37.42
22 42 39 00-0015	EA		Wall Mount Kitchen Faucet, 8" Center, With 14" Double Joint Spout (Delta 28T4433).....	182.49	37.42
22 42 39 00-0016	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 CP).....	232.32	40.64
22 42 39 00-0017	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	227.59	40.64
22 42 39 00-0018	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	444.52	37.42
22 42 39 00-0019	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	561.26	37.42
22 42 39 00-0020	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	600.17	37.42
22 42 39 00-0021	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	523.81	37.42
22 42 39 00-0022	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	664.04	37.42
22 42 39 00-0023	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	711.03	37.42
22 42 39 00-0024 Lavatory Faucets (22 42 39)					
22 42 39 00-0025	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	151.69	26.94
22 42 39 00-0026	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501-WF).....	110.31	26.94
22 42 39 00-0027	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2521-LHP+H25).....	135.43	26.94
22 42 39 00-0028	EA		4" Centerset Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 2530-LHP+H24).....	147.96	26.94
22 42 39 00-0029	EA		Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3543-LHP+H24).....	180.31	26.94
22 42 39 00-0030	EA		Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3530-LHP+H24).....	209.04	26.94
22 42 39 00-0031	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	124.76	26.94
22 42 39 00-0032	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	173.84	26.94
22 42 39 00-0033	EA		Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	159.76	28.77
22 42 39 00-0034	EA		Easy-Push Metering Faucet Wash-Up Fitting (Speakman S-4123).....	152.07	26.94
22 42 39 00-0035	EA		Easy-Push Metering 4" Centerset Faucet (Speakman S-4141-LD).....	249.17	26.94
22 42 39 00-0036	EA		Easy-Push Metering Widespread Faucet (Speakman S-4171-LD).....	317.22	26.94
22 42 39 00-0037	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	91.09	26.94
22 42 39 00-0038	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	132.05	26.94
22 42 39 00-0039	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	129.96	26.94
22 42 39 00-0040 Bath And Shower Faucets (22 42 39)					
22 42 39 00-0041 Bath And Shower Faucets With Valve Body (22 42 39 00-0040)					
22 42 39 00-0042	EA		Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480.500).....	139.05	32.47
22 42 39 00-0043	EA		Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	156.62	32.47
22 42 39 00-0044	EA		Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	170.94	32.47
22 42 39 00-0045	EA		Two Lever Handle, Chrome Tub Filler (American Standard 3275.505).....	126.74	32.47
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0046	EA		Two Lever Handle, Chrome Shower Only (American Standard 3275.501).....	127.73	32.47
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0047	EA		Two Lever Handle, Chrome Shower And Tub Filler (American Standard 3275.502).....	144.32	32.47
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0048	EA		Three Lever Handle, Chrome Shower And Tub Filler (American Standard 3375.502).....	161.24	32.47
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0049 Shower Valves And Trim (22 42 39)					
			See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0050	EA		Senior Institutional Shower Head (Symmons® 4-150).....	141.70	32.47
22 42 39 00-0051	EA		Universal Institutional Shower Head (Symmons® 4-151).....	215.40	32.47
22 42 39 00-0052	EA		Fre-Flo Institutional Shower Head (Symmons® 4-295).....	155.20	32.47
22 42 39 00-0053	EA		Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	119.91	32.47
22 42 39 00-0054	EA		Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	409.48	48.64
22 42 39 00-0055	EA		Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	427.92	56.13
22 42 39 00-0056	EA		Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	529.39	56.13
22 42 39 00-0057	EA		Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	545.75	59.87
22 42 39 00-0058	EA		24" Stainless Steel Slide Rail For Handheld Shower.....	122.23	32.47
22 42 39 00-0059	EA		Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	249.10	50.51
22 42 39 00-0060	EA		Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	540.19	50.51
22 42 39 00-0061	EA		Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	359.08	50.51
22 42 39 00-0062	EA		Shower Valve (Chicago Faucet 1762-15).....	525.95	50.51
22 42 39 00-0063	EA		Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	669.10	50.51
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0064	EA			Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	789.53	50.51
				<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
				<i>For Recessed Soap Dish, Add</i>	108.12	
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
				<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0065	EA			Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	543.96	50.51
				<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
				<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0066	EA			Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	806.97	50.51
				<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0067	EA			Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	825.55	50.51
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
				<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0068	EA			Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	1,569.82	50.51
				<i>For Recessed Soap Dish, Add</i>	83.94	
				<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0069	EA			Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,374.81	50.51
				<i>For Recessed Soap Dish, Add</i>	83.94	
				<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0070	EA			Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	676.73	50.51
22 42 39 00-0071	EA			Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,023.21	50.51
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
				<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0072	EA			Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	573.07	50.51
22 42 39 00-0073	EA			Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	607.31	50.51
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0074				Service Sink Faucets <small>(22 42 39)</small>		
22 42 39 00-0075	EA			3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235).....	201.59	62.30
22 42 39 00-0076	EA			3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243).....	222.42	62.30
22 42 39 00-0077	EA			6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.112).....	242.60	62.30
22 42 39 00-0078	EA			6" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.101).....	337.29	87.33
22 42 39 00-0079	EA			6" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.110).....	378.12	99.53
22 42 39 00-0080	EA			8" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.119).....	393.08	99.53
22 42 39 00-0081	EA			Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFC).....	247.31	62.30
22 42 39 00-0082	EA			8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8).....	340.82	99.53
22 42 39 00-0083	EA			44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-LCP).....	461.19	99.53
22 42 39 00-0084				Laboratory Faucets And Fittings <small>(22 42 39)</small>		
22 42 39 00-0085	EA			Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	126.67	26.49
22 42 39 00-0086	EA			Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929).....	205.68	37.42
22 42 39 00-0087	EA			Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930).....	265.79	37.42
22 42 39 00-0088	EA			Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	165.34	34.95
22 42 39 00-0089	EA			Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940).....	227.81	49.84
22 42 39 00-0090	EA			Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	300.74	49.84
22 42 39 00-0091	EA			Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946).....	239.89	37.42
22 42 39 00-0092	EA			Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942).....	239.05	49.84
22 42 39 00-0093	EA			Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	151.37	28.77
22 42 39 00-0094	EA			Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	212.59	40.64
22 42 39 00-0095	EA			Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802).....	168.97	40.64
22 42 39 00-0096	EA			Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP).....	200.78	40.64
22 42 39 00-0097	EA			Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	199.13	40.64
22 42 39 00-0098	EA			Gas Ball Valve, Removable Nozzle, Less Index Button (Chicago Faucet 909-LESS216-28CP).....	60.14	24.99

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0099 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	58.19	24.99
22 42 39 00-0100 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	330.29	44.90
22 42 39 00-0101 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	330.29	44.90
22 42 39 00-0102 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	416.94	44.90
22 42 39 00-0103 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332- E22E7CP)	371.35	44.90
22 42 39 00-0104 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	501.48	44.90
22 42 39 00-0105 Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0106 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	522.97	28.06
22 42 39 00-0107 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	571.98	26.19
22 42 39 00-0108 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800- CA-8)	604.23	28.06
22 42 39 00-0109 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	628.46	28.06
22 42 39 00-0110 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	847.81	18.71
22 42 39 00-0111 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,177.63	46.77
22 42 39 00-0112 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	1,370.78	46.77
22 42 39 00-0113 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	1,452.03	46.77
22 42 39 00-0114 Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0115 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	212.26	26.49
22 42 39 00-0116 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	129.24	34.95
22 42 39 00-0117 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	148.15	26.49
22 42 39 00-0118 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	142.40	37.97
22 42 39 00-0119 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	184.10	28.77
22 42 39 00-0120 EA Self Closing Lever Handle Drinking Bubbler, 1/2" IPS (Haws 5057LF)	268.71	28.77
22 42 39 00-0121 EA Push Button Bubbler, 1/2" OD (Haws 5017LF)	184.10	28.77
22 42 39 00-0122 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	194.23	28.77
22 42 39 00-0123 Electronic Infrared Sensor Faucets (22 42 39)		
22 42 39 00-0124 EA Electronic Lavatory Faucet (American Standard 6055.205.002)	400.10	62.41
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0125 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	403.35	62.41
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0126 EA Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1)	547.88	67.80
22 42 39 00-0127 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	546.29	62.41
22 42 39 00-0128 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	966.17	67.80
22 42 39 00-0129 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,122.76	67.80
22 42 39 00-0130 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	969.90	67.80
22 42 39 00-0131 Other Trim (22 42 39)		
22 42 39 00-0132 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	12.57	4.07
22 42 39 00-0133 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	71.70	12.19
22 42 39 00-0134 EA Basket Strainer Assembly (American Standard 055781-0070A)	32.05	10.16
22 42 39 00-0135 EA 1-1/4" Chrome Plated Cast P-Trap With Or Without Cleanout	87.63	21.25
22 42 39 00-0136 EA 1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout	89.45	22.45
22 42 39 00-0137 EA 1-1/2" Cast Brass P-Trap With Cleanout	145.49	22.45
22 42 39 00-0138 Removal And Reinstallation Of Fixtures And Trim (22 42 39)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0139 EA Remove And Reinstall Faucet	65.04	
22 42 43 Flushometers (22 42)		
22 42 43 00-0001 Removal And Reinstallation Of Fixtures And Trim (22 42 43)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0002 EA Remove And Reinstall Flush Valve	101.62	
22 42 43 00-0003 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0004 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	34.26	
22 42 46 Chemical Toilets (22 42)		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 46 00-0003	EA		Chemical Toilet, Small Tank 7,000 Uses/Year..... <i>For Extra Urinal, Add</i>	3,141.55 104.61	748.35
22 42 46 00-0004			Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005	EA		Chemical Toilet, Medium Tank 13,000 Uses/Year..... <i>For Extra Urinal, Add</i>	3,731.47 123.69	891.30
22 42 46 00-0006			Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007	EA		Chemical Toilet, Large Tank 28,000 Uses/Year..... <i>For Extra Urinal, Add</i>	4,574.03 174.55	1,011.03
22 43			Healthcare Plumbing Fixtures (22 40)		
22 43 13			Healthcare Water Closets (22 43)		
22 43 13 00-0001			Healthcare Water Closets (22 43 13)		
22 43 13 00-0002	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	654.95	77.83
22 43 13 00-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	499.39	77.83
22 43 16			Healthcare Sinks (22 43)		
22 43 16 00-0001			Healthcare Sinks (22 43 16) Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA		25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... <i>For Stainless Steel Rim Guards (Three Sides), Add</i>	1,090.20 105.70	50.14
22 43 16 00-0003	EA		29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... <i>For Stainless Steel Rim Guards (Three Sides), Add For Pedestal Base, Add</i>	1,149.49 105.70 484.63	144.06
22 43 16 00-0004	EA		28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)..... <i>For Painted Bracket Supports, Add</i>	1,043.67 163.55	50.14
22 43 16 00-0005	EA		20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	904.06	50.14
22 43 39			Healthcare Faucets (22 43)		
22 43 39 00-0001			Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002	EA		Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	89.85	11.22
22 43 39 00-0003			Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004	EA		DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)..... <i>For Hard Wired AC Powered, Add</i>	529.33 24.07	54.93
22 43 39 00-0005			Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006	EA		Single Supply Metering Pedal Valve (Chicago Faucet 628).....	274.99	99.83
22 43 39 00-0007	EA		Double Supply Metering Pedal Valve (Chicago Faucet 625).....	318.96	99.83
22 43 39 00-0008	EA		Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	657.94	99.83
22 43 39 00-0009	EA		Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	595.99	99.83
22 43 39 00-0010			Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011	EA		Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S Model B-0865-04).....	263.86	54.93
22 43 39 00-0012	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S Model B-0866-04).....	274.97	54.93
22 43 39 00-0013	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S Model B-0867-04).....	256.92	54.93
22 43 39 00-0014	EA		Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S Model B-0322-04).....	244.42	54.93
22 43 39 00-0015	EA		Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S Model B-0323-04).....	235.05	54.93
22 43 39 00-0016			Bedpan Washers (22 43 39)		
22 43 39 00-0017	EA		Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum breaker, Wall Hook Hose Connection, Polyvinyl Chloride (PVC) Hose (T&S Model B-0675).....	734.55	99.83
22 43 39 00-0018	EA		Pedal Valve Bed Pan Washer With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride (PVC) Hose (T&S Model B-0676).....	699.50	99.83
22 43 39 00-0019	EA		Self Closing Single Pedal Valve Bed Pan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride (PVC) Hose (T&S Model B-0685).....	652.64	99.83
22 43 39 00-0020	EA		Single Pedal Valve Bed Pan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride (PVC) Hose, Extended Spray (T&S Model B-0686).....	626.89	99.83

22	Plumbing
22 40	Plumbing Fixtures
22 43	Healthcare Plumbing Fixtures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)

22 43 43 00-0001	Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002	EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	203.04	25.51
22 43 43 00-0003	EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	474.59	25.51

22 43 46 Patient Care Fixtures (22 43)

22 43 46 00-0001	Modular Patient Care Units (22 43 46)		
22 43 46 00-0002	EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	9,729.28	149.67
	For SDB Single Temperature Dialysis Box, Add	699.51	
	For DDB Dual Temperature Dialysis Box, Add	742.96	
	For BWSEV Bedpan Washer With Elevated Valve, Add	572.80	
	For LOCK Flush Valve Lockout Device, Add	394.29	
22 43 46 00-0003	EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	7,679.74	130.97
	For SDB Single Temperature Dialysis Box, Add	699.51	
	For DDB Dual Temperature Dialysis Box, Add	742.96	
	For BWSEV Bedpan Washer With Elevated Valve, Add	572.80	
	For LOCK Flush Valve Lockout Device, Add	394.29	
22 43 46 00-0004	Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005	EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	923.09	20.33
22 43 46 00-0006	EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,015.85	20.33

22 45 Emergency Plumbing Fixtures (22 40)

22 45 13 Emergency Showers (22 45)

22 45 13 00-0001	Emergency Shower (22 45 13)		
	Note: Includes one pull rod.		
22 45 13 00-0002	EA Emergency Shower, Vertically Mounted (Speakman SE-220)	391.93	119.73
	For Freeze-Resistant, Add	450.40	
22 45 13 00-0003	EA Emergency Shower, Horizontally Mounted (Speakman SE-227)	525.45	119.73
	For Freeze-Resistant, Add	450.40	
22 45 13 00-0004	EA Emergency Shower, Floor Mounted (Speakman SE-253)	1,037.53	187.09
	For Freeze-Resistant, Add	450.40	

22 45 13 00-0005 Emergency Shower Accessories (22 45 13)

22 45 13 00-0006	EA Privacy Curtain For Emergency Showers	581.05	543.63
	Note: Curtain includes stainless steel curtain rod and mounting accessories.		
22 45 13 00-0007	EA Concealed Thermostatic Control Valve (Powers T426)	205.48	50.51

22 45 16 Eyewash Equipment (22 45)

22 45 16 00-0001	Emergency Eye/Face Wash (22 45 16)		
22 45 16 00-0002	EA Emergency Eye/Face Wash, Wall Mounted (Speakman SE-495)	504.85	112.25
	For Freeze-Resistant, Add	450.40	
	For Hand And Foot Control, Add	72.90	
22 45 16 00-0003	EA Emergency Eye/Face Wash, Floor Mounted (Speakman SE-496)	840.79	187.09
	For Freeze-Resistant, Add	450.40	
	For Hand And Foot Control, Add	72.90	
22 45 16 00-0004	EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,562.10	29.94

22 45 33 Combination Emergency Fixture Units (22 45)

22 45 33 00-0001	Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002	EA Emergency Shower With Eye/Face Wash, Floor Mounted (Speakman SE-695)	934.66	187.09
	For Freeze-Resistant, Add	450.40	
	For Hand And Foot Control, Add	72.90	

22 46 Security Plumbing Fixtures (22 40)

22 46 13 Security Water Closets And Urinals (22 46)

22 46 13 00-0001	Security Fixtures (22 46 13)		
22 46 13 00-0002	EA Prison Urinal, Back Supply And Flush, Wall Hung, Stainless Steel	2,579.32	168.38
22 46 13 00-0003	EA Prison Urinal, Back Supply And Flush, Stall, Stainless Steel	4,385.84	239.25
22 46 13 00-0004	EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum	2,171.87	187.09
	For Angled Toilet, Add	18.71	
	For Offset Toilet, Add	198.48	
22 46 13 00-0005	EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum	2,634.93	187.09
	For Angled Toilet, Add	18.71	
	For Offset Toilet, Add	244.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 00-0006 EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum.....	2,675.50	187.09
<i>For Angled Toilet, Add</i>	18.71	
<i>For Offset Toilet, Add</i>	248.84	
22 46 13 00-0007 EA For Recessed Tissue Holder For Prison Water Closet, Stainless Steel.....	241.25	37.42
22 46 13 00-0008 EA 15" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	3,958.63	232.00
<i>For Angled Toilet, Add</i>	23.20	
<i>For Offset Toilet, Add</i>	372.66	
<i>For 15" Mirror/Shelf Module, Add</i>	781.99	
<i>For AC Duplex Outlet Option, Add</i>	76.40	
<i>For Intercom Option, Add</i>	121.40	
<i>For 15" Wide Light/Ventilation Module, Add</i>	774.19	
22 46 13 00-0009 EA 18" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,077.61	243.22
<i>For Angled Toilet, Add</i>	24.32	
<i>For Offset Toilet, Add</i>	383.44	
<i>For 18" Mirror/Shelf Module, Add</i>	818.22	
<i>For AC Duplex Outlet Option, Add</i>	78.64	
<i>For Intercom Option, Add</i>	123.64	
<i>For 18" Wide Light/Ventilation Module, Add</i>	795.93	
22 46 13 00-0010 EA 20" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,167.21	254.44
<i>For Angled Toilet, Add</i>	25.44	
<i>For Offset Toilet, Add</i>	391.28	
<i>For 20" Mirror/Shelf Module, Add</i>	864.44	
<i>For AC Duplex Outlet Option, Add</i>	80.89	
<i>For Intercom Option, Add</i>	125.89	
<i>For 20" Wide Light/Ventilation Module, Add</i>	827.66	
22 46 13 00-0011 EA 26" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,461.07	265.67
<i>For Angled Toilet, Add</i>	26.57	
<i>For Offset Toilet, Add</i>	419.54	
<i>For 26" Mirror/Shelf Module, Add</i>	900.67	
<i>For AC Duplex Outlet Option, Add</i>	83.13	
<i>For Intercom Option, Add</i>	128.13	
<i>For 26" Wide Light/Ventilation Module, Add</i>	854.40	
22 46 13 00-0012 EA 28" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel.....	7,221.32	276.89
<i>For Angled Toilet, Add</i>	27.69	
<i>For Offset Toilet, Add</i>	694.44	
<i>For 28" Mirror/Shelf Module, Add</i>	931.90	
<i>For AC Duplex Outlet Option, Add</i>	85.38	
<i>For Intercom Option, Add</i>	130.38	
<i>For 28" Wide Light/Ventilation Module, Add</i>	881.14	

22 46 16 Security Lavatories And Sinks (22 46)

22 46 16 00-0001 Security Lavatories And Sinks (22 46 16)

22 46 16 00-0002 EA Prison Lavatory, Wall Hung, Push Button Filler V, Rectangular Bowl, Stainless Steel.....	1,566.14	130.97
<i>For Shelf, Add</i>	74.29	
22 46 16 00-0003 EA Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Stainless Steel.....	1,593.00	130.97
<i>For Shelf, Add</i>	74.29	
22 46 16 00-0004 EA Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Corner Mount, Stainless Steel.....	1,819.82	130.97
<i>For Shelf, Add</i>	74.29	
22 46 16 00-0005 EA Prison Lavatory, Wall Hung, Push Button Filler V, Multi Sided Bowl, Stainless Steel.....	1,593.00	130.97
<i>For Shelf, Add</i>	74.29	
22 46 16 00-0006 EA Prison Service Sink, With Soap Dish, 22" x 16" x 10", Stainless Steel.....	3,386.38	199.44

22 46 19 Security Showers (22 46)

22 46 19 00-0001 EA Prison Shower Cabinet, Unitized, 36" X 36" X 88", Stainless Steel.....	9,482.87	271.95
<i>For Door, Add</i>	119.39	
22 46 19 00-0002 EA Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel.....	554.58	99.90
22 46 19 00-0003 EA Prison Shower Head With Mixing Valves And Piping Assembly In Wall.....	407.70	52.39
22 46 19 00-0004 EA 30" Prison Shower, Stainless Steel, Knock-Down, Acorn 1730-3M-KD.....	8,879.09	299.34
22 46 19 00-0005 EA 32" Prison Shower, Stainless Steel, Knock-Down, Acorn 1732-3M-KD.....	9,203.65	299.34
22 46 19 00-0006 EA 36" Prison Shower, Stainless Steel, Knock-Down, Acorn 1736-3M-KD.....	9,537.68	299.34
22 46 19 00-0007 EA 36" ADA Prison Shower, Stainless Steel, Front Access, Acorn 1736-ADA-3M-FA.....	12,153.12	299.34
22 46 19 00-0008 EA Wall Mounted Shower, Stainless Steel, Acorn 1741.....	877.95	78.58
<i>For PWT Electronic FV, Add</i>	148.00	
22 46 19 00-0009 EA Wall Mounted ADA Shower, Stainless Steel, Acorn 1741 ADA.....	1,065.93	78.58
<i>For PWT Electronic FV, Add</i>	148.00	

22 46 56 Security Drinking Fountains (22 46)

22 46 56 00-0001 Drinking Fountain (22 46 56)

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002 EA Wall Mounted Drinking Fountain, Stainless Steel, Acorn 1670-1-BP-3-FA.....	1,769.84	149.67
22 46 56 00-0003 EA Wall Mounted ADA Drinking Fountain, Stainless Steel, Acorn 1672-1-ADA-BP-3-FA.....	1,782.79	149.67

22 47 Drinking Fountains And Water Coolers (22 40)

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
22 47 13 Drinking Fountains (22 47)**22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)****22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)**

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,409.38	121.61
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	1,679.03	130.97
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,591.01	121.61
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	1,706.24	130.97
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF5)	937.31	121.61
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRF5BP)	1,113.07	130.97
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF5E)	1,013.64	121.61
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF5BP)	1,134.13	130.97

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	963.90	130.97
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Elkay/Halsey-Taylor HTHB-HAC8WF)	1,325.85	130.97
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Elkay/Halsey-Taylor HTHB-HAC8BLWF)	1,891.88	130.97

22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,301.12	140.31
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	2,820.02	140.31

22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,391.79	149.67
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	2,557.07	149.67

22 47 13 00-0021 Countertop Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	572.30	93.55
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	550.36	93.55
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	670.58	93.55

22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	403.83	93.55
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	524.04	93.55

22 47 13 00-0028 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0029	EA	Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,657.98	149.67
22 47 13 00-0030	EA	Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	2,898.41	149.67
22 47 13 00-0031	EA	Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,224.51	149.67
22 47 13 00-0032	EA	White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430)	1,826.14	149.67
22 47 13 00-0033	EA	White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435)	2,328.93	149.67
22 47 13 00-0034	EA	Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRF5EBP, Haws 1119.14 With 6700.4)	2,020.78	190.92
22 47 13 00-0035	EA	Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441)	2,703.03	149.67
22 47 13 00-0036	EA	Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408)	2,851.68	149.67

22 47 13 00-0037 Outdoor Drinking Fountains (22 47 13)**22 47 13 00-0038 Face Mounted (22 47 13 00-0037)**

22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRF5E-FR)	1,533.06	149.67
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRF5EBP-FR)	1,633.97	149.67
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,218.93	149.67
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	1,666.44	149.67



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains And Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0043 EA Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM).....	917.56	149.67
Note: For use with remote chillers		
22 47 13 00-0044 Free Standing <small>(22 47 13 00-0037)</small>		
22 47 13 00-0045 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	2,203.16	140.31
22 47 13 00-0046 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	3,096.42	140.31
22 47 13 00-0047 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,323.37	140.31
22 47 13 00-0048 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	3,216.63	140.31
22 47 13 00-0049 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	3,335.39	149.67
22 47 13 00-0050 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR).....	4,782.33	149.67
22 47 13 00-0051 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591).....	1,237.06	140.31
22 47 13 00-0052 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590).....	2,139.10	140.31
22 47 13 00-0053 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR).....	3,033.24	140.31
22 47 13 00-0054 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595).....	3,251.15	149.67
22 47 13 00-0055 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR).....	4,609.47	149.67
22 47 16 Pressure Water Coolers <small>(22 47)</small>		
22 47 16 00-0001 Indoor Water Coolers <small>(22 47 16)</small>		
22 47 16 00-0002 Face Mounted Indoor Water Coolers <small>(22 47 16 00-0001)</small>		
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,609.72	149.67
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	2,783.46	149.67
22 47 16 00-0005 Wall Mounted Indoor Water Coolers <small>(22 47 16 00-0001)</small>		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....	1,021.50	149.67
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	1,060.11	149.67
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....	1,175.06	149.67
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,198.75	149.67
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	890.40	149.67
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey- Taylor WC8AFS-Q-SS).....	1,083.80	149.67
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey- Taylor HAC8FS-Q Child SS).....	992.54	149.67
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL).....	1,530.28	149.67
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,725.73	224.51
22 47 16 00-0015 Simulated Recessed Indoor Water Coolers <small>(22 47 16 00-0001)</small>		
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,503.23	149.67
22 47 16 00-0017 Fully Recessed Indoor Water Coolers <small>(22 47 16 00-0001)</small>		
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....	2,454.94	168.38
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....	3,604.43	168.38
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey- Taylor RC8A-Q-14700).....	4,224.80	168.38
22 47 16 00-0021 Free Standing Indoor Water Coolers <small>(22 47 16 00-0001)</small>		
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,013.03	130.97
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,051.64	130.97
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,167.47	130.97
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A- VR-Q).....	1,357.00	130.97
22 47 16 00-0026 Bottled Water Coolers <small>(22 47 16 00-0001)</small>		
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	414.08	74.84
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	498.32	74.84
22 47 16 00-0029 Multi-Station Indoor Water Coolers <small>(22 47 16 00-0001)</small>		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	3,626.33	224.51
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	3,793.05	224.51
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	1,650.27	224.51

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0033			Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034			Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035	EA		Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,314.64	93.55
22 47 16 00-0036	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,092.08	93.55
22 47 16 00-0037			Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038	EA		Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	1,774.95	140.31
22 47 16 00-0039	EA		Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,120.67	140.31
22 47 16 00-0040			Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA		Remove And Reinstall Wall Hung Water Cooler.....	364.84	
22 47 16 00-0042	EA		Remove And Reinstall Floor Mount Water Cooler.....	81.30	
22 47 19			Water-Station Water Coolers (22 47)		
22 47 19 00-0001			Bottle Filler (22 47 19)		
22 47 19 00-0002	EA		Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	3,154.78	149.67
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003	EA		Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	4,002.07	149.67
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004	EA		Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1).....	5,143.33	168.38
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005	EA		Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2).....	5,560.92	168.38
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006	EA		Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3).....	5,978.51	168.38
			For Stainless Steel Carrier, Add	205.00	
22 47 23			Remote Water Coolers (22 47)		
22 47 23 00-0001			Remote Chillers (22 47 23)		
22 47 23 00-0002	EA		1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	707.36	50.51
22 47 23 00-0003	EA		5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,074.83	56.13
22 47 23 00-0004	EA		8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	853.12	65.48
22 47 23 00-0005	EA		10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,208.78	74.84
22 47 23 00-0006	EA		19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	1,716.22	112.25
22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,168.40	121.61
22 47 26			Fixture Carriers (22 47)		
22 47 26 00-0001			Water Cooler Carriers (22 47 26)		
22 47 26 00-0002			Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA		Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	308.15	28.44
			For Up To 4" Extension Sleeves And Hardware, Add	14.21	
			For Bi-Level Carrier, Add	166.84	
22 47 26 00-0004	EA		Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	333.87	28.44
			For Up To 4" Extension Sleeves And Hardware, Add	14.21	
			For Bi-Level Carrier, Add	166.84	
22 50			Pool And Fountain Plumbing Systems (22)		
22 51			Swimming Pool Plumbing Systems (22 50)		
22 51 13			Swimming Pool Piping (22 51)		
22 51 13 00-0001			Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002	LF		Swimming Pool Gutters, Stainless.....	218.94	16.84
22 51 19			Swimming Pool Water Treatment Equipment (22 51)		
22 51 19 00-0001			Swimming Pool Heaters (22 51 19)		
			Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0002			Electric Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0003	EA		12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	2,823.92	149.67
22 51 19 00-0004	EA		18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	3,154.71	160.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0005 EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	3,506.58	187.09
22 51 19 00-0006 EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	3,716.99	224.51
22 51 19 00-0007 EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	4,102.03	314.31
22 51 19 00-0008 EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	4,718.61	449.01
22 51 19 00-0009 Gas Fired Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0010 EA 120 MBH Output Gas Fired Pool Heater	3,245.04	353.81
22 51 19 00-0011 EA 180 MBH Output Gas Fired Pool Heater	3,732.44	420.15
22 51 19 00-0012 EA 240 MBH Output Gas Fired Pool Heater	4,857.94	737.11
22 51 19 00-0013 EA 300 MBH Output Gas Fired Pool Heater	5,804.84	884.53
22 51 19 00-0014 EA 360 MBH Output Gas Fired Pool Heater	6,130.33	981.20
22 51 19 00-0015 EA 400 MBH Output Gas Fired Pool Heater	7,161.38	1,195.63
22 51 19 00-0016 EA 500 MBH Output Gas Fired Pool Heater	11,534.25	1,434.75
22 51 19 00-0017 EA 600 MBH Output Gas Fired Pool Heater	13,377.69	1,594.17
22 51 19 00-0018 EA 750 MBH Output Gas Fired Pool Heater	15,087.59	1,721.71
22 51 19 00-0019 EA 1,000 MBH Output Gas Fired Pool Heater	19,351.28	2,032.57
22 51 19 00-0020 Surge Tanks (22 51 19)		
Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	10,906.58	590.09
22 51 19 00-0022 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	12,175.61	590.09
22 51 19 00-0023 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	14,717.99	745.40
22 51 19 00-0024 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	19,689.24	1,203.00
22 51 19 00-0025 Diatomite Type Filter System (22 51 19)		
22 51 19 00-0026 EA 35,000 Gallon Filter System, Diatomite	9,548.05	1,960.65
22 51 19 00-0027 EA 45,000 Gallon Filter System, Diatomite	11,384.37	2,352.78
22 51 19 00-0028 Silver Recovery System, X-Ray Film Processing (22 51 19)		
22 51 19 00-0029 EA 20 Gallon/Day Capacity, Silver Recovery System	1,330.60	254.05
22 51 19 00-0030 EA 40 Gallon/Day Capacity, Silver Recovery System	1,948.59	338.76
22 51 19 00-0031 Inline Water Filter (22 51 19)		
Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	178.65	74.84
22 51 19 00-0033 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	318.99	112.25
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities (22)		
22 63 Gas Systems For Laboratory And Healthcare Facilities (22 60)		
22 63 13 Gas Piping For Laboratory And Healthcare Facilities (22 63)		
22 63 13 53 Laboratory Gas Piping (22 63 13)		
See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-1952 for PVC piping.		
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)		
22 66 83 Chemical-Waste Tanks (22 66)		
22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank	340.42	152.43
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank	598.90	211.37
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank	756.29	304.86
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank	975.01	406.48
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,242.52	487.77
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank	1,682.89	609.71
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank	1,959.30	762.14
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank	2,522.63	914.58
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	2,880.82	1,097.49
22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank	532.47	152.43
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank	902.98	211.37
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,399.07	304.86
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,845.08	406.48

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,326.38	487.77
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank	2,718.58	609.71
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank	2,990.42	762.14
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank	4,323.09	914.58
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank	4,705.29	1,097.49
22 66 83 16-0022 Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	281.33	50.81
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	289.51	50.81
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	297.69	50.81
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	328.83	60.97
Note: 1-1/2" top inlet and side outlet with anti siphon.		

END OF SECTION 22

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Monterey County Facilities

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Construction Task Catalog®

**Volume II
(23 - 43)**

August 2014

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00 Using The Construction Task Catalog®	1
<hr/>	
01 General Requirements	1
01 20 Price And Payment Procedures	1
01 22 Unit Prices	1
01 30 Administrative Requirements	26
01 32 Construction Progress Documentation	26
01 40 Quality Requirements	27
01 45 Quality Control	27
01 50 Temporary Facilities And Controls	30
01 51 Temporary Utilities	30
01 52 Construction Facilities	30
01 54 Construction Aids	31
01 55 Vehicular Access And Parking	33
01 56 Temporary Barriers And Enclosures	35
01 58 Project Identification	43
01 60 Product Requirements	44
01 66 Product Storage And Handling Requirements	44
01 70 Execution And Closeout Requirements	44
01 71 Examination And Preparation	44
01 74 Cleaning And Waste Management	46
<hr/>	
02 Existing Conditions	1
02 20 Assessment	1
02 25 Existing Material Assessment	1
02 30 Subsurface Investigation	1
02 32 Geotechnical Investigations	1
02 40 Demolition And Structure Moving	1
02 41 Demolition	1
02 43 Structure Moving	16
02 60 Contaminated Site Material Removal	16
02 61 Removal And Disposal Of Contaminated Soils	16
02 65 Underground Storage Tank Removal	17
02 80 Facility Remediation	20
02 81 Transportation And Disposal Of Hazardous Materials	20
02 82 Asbestos Remediation	20
02 83 Lead Remediation	26
02 84 Polychlorinate Biphenyl Remediation	28
02 85 Mold Remediation	29
02 87 Bio-Hazard Material Remediation	32
02 89 Hazmat Ancillary Tasks And Support	32
02 90 Disaster Recovery	32
02 90 50 Cleaning And Emergency Clean-up	32
<hr/>	
03 Concrete	1
03 01 Maintenance Of Concrete	1
03 01 30 Maintenance Of Cast-In-Place Concrete	1
03 05 Common Work Results For Concrete	3
03 10 Concrete Forming And Accessories	3
03 11 Concrete Forming	3
03 15 Concrete Accessories	6
03 20 Concrete Reinforcing	16
03 21 Reinforcing Bars	16
03 22 Fabric And Grid Reinforcing	19
03 30 Cast-In-Place Concrete	19
03 31 Structural Concrete	19
03 35 Concrete Finishing	36
03 37 Specialty Placed Concrete	39
03 39 Concrete Curing	40
03 40 Precast Concrete	40
03 41 Precast Structural Concrete	40
03 48 Precast Concrete Specialties	50
03 50 Cast Decks And Underlayment	52

Table of Contents

03 51 Cast Roof Decks.....	52
03 52 Lightweight Concrete Roof Insulation.....	53
03 53 Concrete Topping.....	54
03 54 Cast Underlayment.....	54
03 60 Grouting.....	54
03 61 Cementitious Grouting.....	54
03 62 Non-Shrink Grouting.....	54
03 64 Injection Grouting.....	55
03 80 Concrete Cutting And Boring.....	55
03 81 Concrete Cutting.....	55
03 82 Concrete Boring.....	55
04 Masonry	1
04 01 Maintenance Of Masonry.....	1
04 01 20 Maintenance Of Unit Masonry.....	1
04 01 40 Maintenance of Stone Assemblies.....	10
04 01 50 Maintenance of Refractory Masonry.....	11
04 05 Common Work Results For Masonry.....	11
04 05 13 Masonry Mortaring.....	11
04 05 16 Masonry Grouting.....	11
04 05 19 Masonry Anchorage And Reinforcing.....	12
04 05 23 Masonry Accessories.....	40
04 05 26 Masonry Scaffolding.....	41
04 20 Unit Masonry.....	41
04 21 Clay Unit Masonry.....	41
04 22 Concrete Unit Masonry.....	52
04 23 Glass Unit Masonry.....	59
04 26 Single-Wythe Unit Masonry.....	59
04 40 Stone Assemblies.....	60
04 41 Dry-Placed Stone.....	60
04 42 Exterior Stone Cladding.....	60
04 43 Stone Masonry.....	60
04 50 Refractory Masonry.....	61
04 51 Flue Liner Masonry.....	61
04 70 Manufactured Masonry.....	62
04 72 Cast Stone Masonry.....	62
05 Metals	1
05 05 Common Work Results For Metals.....	1
05 05 19 Post-Installed Concrete Anchors.....	1
05 05 23 Metal Fastenings.....	11
05 10 Structural Metal Framing.....	72
05 12 Structural Steel Framing.....	72
05 13 Structural Stainless-Steel Framing.....	113
05 14 Structural Aluminum Framing.....	113
05 15 Wire Rope Assemblies.....	114
05 20 Metal Joists.....	129
05 21 Steel Joist Framing.....	129
05 30 Metal Decking.....	129
05 31 Steel Decking.....	129
05 36 Composite Metal Decking.....	133
05 40 Cold-Formed Metal Framing.....	136
05 41 Structural Metal Stud Framing.....	136
05 42 Cold-Formed Metal Joist Framing.....	137
05 43 Slotted Channel Framing.....	137
05 45 Metal Support Assemblies.....	138
05 50 Metal Fabrications.....	138
05 51 Metal Stairs.....	138
05 52 Metal Railings.....	140
05 53 Metal Gratings.....	146
05 54 Metal Floor Plates.....	154
05 55 Metal Stair Treads And Nosings.....	154
05 56 Metal Castings.....	156
05 58 Formed Metal Fabrications.....	156
05 59 Metal Specialties.....	157
05 70 Decorative Metal.....	165
05 71 Decorative Metal Stairs.....	165

05 73 Decorative Metal Railings	165
05 75 Decorative Formed Metal.....	166
06 Wood, Plastics, and Composites	1
06 01 Maintenance of Wood, Plastics, and Composites	1
06 01 20 Maintenance of Finish Carpentry	1
06 05 Common Work Results For Wood, Plastics, And Composites	1
06 05 23 Wood, Plastic, And Composite Fastenings.....	1
06 05 73 Wood Treatment	13
06 10 Rough Carpentry.....	13
06 11 Wood Framing.....	13
06 13 Heavy Timber Construction.....	18
06 15 Wood Decking	20
06 16 Sheathing	23
06 17 Shop-Fabricated Structural Wood.....	28
06 18 Glued-Laminated Construction	33
06 20 Finish Carpentry.....	34
06 22 Millwork	34
06 25 Prefinished Paneling	35
06 40 Architectural Woodwork	36
06 41 Architectural Wood Casework.....	36
06 42 Wood Paneling	48
06 43 Wood Stairs And Railings	51
06 44 Ornamental Woodwork	53
06 46 Wood Trim.....	54
06 48 Wood Frames.....	72
06 50 Structural Plastics	73
06 51 Structural Plastic Shapes And Plates.....	73
06 52 Plastic Structural Assemblies.....	78
06 53 Plastic Decking	79
06 60 Plastic Fabrications.....	79
06 65 Plastic Trim.....	79
06 70 Structural Composites.....	80
06 74 Composite Gratings.....	80
06 80 Composite Fabrications.....	81
06 82 Composite Trim	81
06 83 Composite Paneling.....	83
07 Thermal And Moisture Protection	1
07 01 Operation And Maintenance Of Thermal And Moisture Protection.....	1
07 01 20 Maintenance Of Thermal Protection.....	1
07 01 50 Maintenance Of Membrane Roofing.....	1
07 05 Common Work Results For Thermal And Moisture Protection.....	1
07 05 13 Small Quantities And Repairs For Roofing	1
07 10 Dampproofing And Waterproofing	2
07 11 Dampproofing	2
07 13 Sheet Waterproofing.....	2
07 14 Fluid-Applied Waterproofing.....	4
07 16 Cementitious And Reactive Waterproofing.....	4
07 17 Bentonite Waterproofing	4
07 19 Water Repellents	5
07 20 Thermal Protection.....	5
07 21 Thermal Insulation	5
07 22 Roof And Deck Insulation	10
07 24 Exterior Insulation And Finish Systems	21
07 25 Weather Barriers	23
07 26 Vapor Retarders	23
07 27 Air Barriers	24
07 30 Steep Slope Roofing	24
07 31 Shingles And Shakes.....	24
07 32 Roof Tiles	29
07 34 Roofing Underlayment	31
07 40 Roofing And Siding Panels.....	32
07 41 Roof Panels.....	32
07 42 Wall Panels.....	36
07 46 Siding	37
07 50 Membrane Roofing.....	42



Table of Contents

07 51 Built-Up Bituminous Roofing.....	42
07 52 Modified Bituminous Membrane Roofing.....	47
07 53 Elastomeric Membrane Roofing.....	52
07 54 Thermoplastic Membrane Roofing.....	55
07 56 Fluid-Applied Roofing.....	57
07 57 Coated Foamed Roofing.....	58
07 58 Roll Roofing.....	60
07 59 Membrane Roofing Accessories.....	60
07 60 Flashing And Sheet Metal.....	60
07 62 Sheet Metal Flashing And Trim.....	60
07 63 Sheet Metal Roofing Specialties.....	62
07 65 Flexible Flashing.....	63
07 70 Roof And Wall Specialties And Accessories.....	64
07 71 Roof Specialties.....	64
07 72 Roof Accessories.....	71
07 73 Roof Protection Board.....	96
07 76 Roof Pavers.....	96
07 80 Fire And Smoke Protection.....	97
07 81 Applied Fireproofing.....	97
07 82 Board Fireproofing.....	98
07 84 Firestopping.....	98
07 90 Joint Protection.....	102
07 91 Preformed Joint Seals.....	102
07 92 Joint Sealants.....	103
07 95 Expansion Control.....	105

08 Openings 1

08 01 Operation And Maintenance Of Openings.....	1
08 01 10 Operation And Maintenance Of Doors And Frames.....	1
08 01 50 Operation And Maintenance Of Windows.....	1
08 01 80 Maintenance of Glazing.....	1
08 05 Common Work Results For Openings.....	1
08 05 13 Door Options And Modifications.....	1
08 10 Doors And Frames.....	2
08 11 Metal Doors And Frames.....	2
08 12 Metal Frames.....	3
08 13 Metal Doors.....	28
08 14 Wood Doors.....	63
08 15 Plastic Doors.....	81
08 16 Composite Doors.....	82
08 17 Integrated Door Opening Assemblies.....	90
08 30 Specialty Doors And Frames.....	93
08 31 Access Doors And Panels.....	93
08 32 Sliding Glass Doors.....	94
08 33 Coiling Doors And Grilles.....	95
08 34 Special Function Doors.....	109
08 36 Panel Doors.....	115
08 38 Traffic Doors.....	122
08 40 Entrances, Storefronts, And Curtain Walls.....	138
08 41 Entrances And Storefronts.....	138
08 42 Entrances.....	138
08 43 Storefronts.....	142
08 44 Curtain Wall And Glazed Assemblies.....	143
08 45 Translucent Wall And Roof Assemblies.....	145
08 50 Windows.....	145
08 51 Metal Windows.....	145
08 52 Wood Windows.....	164
08 53 Plastic Windows.....	201
08 56 Special Function Windows.....	230
08 60 Roof Windows And Skylights.....	233
08 63 Metal-Framed Skylights.....	233
08 65 Wood-Framed Skylights.....	243
08 70 Hardware.....	244
08 71 Door Hardware.....	244
08 74 Access Control Hardware.....	348
08 75 Window Hardware.....	348
08 79 Hardware Accessories.....	348
08 80 Glazing.....	349

08 81 Glass Glazing	349
08 83 Mirrors	356
08 84 Plastic Glazing	357
08 85 Glazing Accessories	358
08 87 Glazing Surface Films	359
08 88 Special Function Glazing	359
08 90 Louvers And Vents	361
08 91 Louvers	361
08 95 Vents	363
09 Finishes	1
09 01 Maintenance Of Finishes	1
09 01 20 Maintenance Of Plaster And Gypsum Board	1
09 01 30 Maintenance Of Tiling	1
09 01 60 Maintenance Of Flooring	1
09 20 Plaster And Gypsum Board	2
09 22 Supports For Plaster And Gypsum Board	2
09 23 Gypsum Plastering	10
09 24 Cement Plastering	12
09 28 Backing Boards And Underlayments	12
09 29 Gypsum Board	13
09 30 Tiling	21
09 30 13 Ceramic Tiling	22
09 30 16 Quarry Tiling	22
09 31 Thin-Set Tiling	23
09 32 Mortar-Bed Tiling	23
09 34 Waterproofing-Membrane Tiling	23
09 35 Chemical-Resistant Tiling	24
09 50 Ceilings	24
09 51 Acoustical Ceilings	24
09 53 Acoustical Ceiling Suspension Assemblies	30
09 54 Specialty Ceilings	32
09 57 Special Function Ceilings	33
09 60 Flooring	33
09 61 Flooring Treatment	33
09 63 Masonry Flooring	33
09 64 Wood Flooring	33
09 65 Resilient Flooring	36
09 66 Terrazzo Flooring	41
09 67 Fluid-Applied Flooring	43
09 68 Carpeting	44
09 69 Access Flooring	51
09 70 Wall Finishes	52
09 72 Wall Coverings	52
09 73 Wall Carpeting	53
09 74 Flexible Wood Sheets	53
09 77 Special Wall Surfacing	53
09 80 Acoustic Treatment	53
09 81 Acoustic Insulation	53
09 84 Acoustic Room Components	54
09 85 Acoustic Sound Deadening	54
09 90 Painting And Coating	55
09 91 Painting	55
09 93 Staining And Transparent Finishing	124
09 96 High-Performance Coatings	126
09 97 Special Coatings	127
10 Specialties	1
10 10 Information Specialties	1
10 11 Visual Display Units	1
10 12 Display Cases	7
10 13 Directories	8
10 14 Signage	11
10 17 Telephone Specialties	35
10 20 Interior Specialties	35
10 21 Compartments And Cubicles	35
10 22 Partitions	61

Table of Contents

10 26 Wall And Door Protection.....	64
10 28 Toilet, Bath, And Laundry Accessories	74
10 40 Safety Specialties.....	82
10 41 Emergency Access And Information Cabinets	82
10 44 Fire Protection Specialties	83
10 50 Storage Specialties	89
10 51 Lockers.....	89
10 55 Postal Specialties	102
10 56 Storage Assemblies.....	102
10 57 Wardrobe And Closet Specialties	105
10 70 Exterior Specialties	105
10 73 Protective Covers	105
10 75 Flagpoles.....	106
10 80 Other Specialties.....	108
10 81 Pest Control Devices	108
10 86 Security Mirrors And Domes	109
11 Equipment	1
11 01 Operation And Maintenance Of Equipment	1
11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment.....	1
11 10 Vehicle And Pedestrian Equipment	1
11 11 Vehicle Service Equipment	1
11 12 Parking Control Equipment	2
11 13 Loading Dock Equipment.....	3
11 14 Pedestrian Control Equipment	6
11 20 Commercial Equipment.....	9
11 21 Retail and Service Equipment.....	9
11 26 Compact Kitchens.....	9
11 30 Residential Equipment	10
11 30 13 Residential Appliances.....	10
11 30 33 Retractable Stairs	13
11 40 Foodservice Equipment.....	14
11 41 Foodservice Storage Equipment.....	14
11 42 Food Preparation Equipment	28
11 44 Food Cooking Equipment	30
11 46 Food Dispensing Equipment.....	31
11 48 Foodservice Cleaning and Disposal Equipment	33
11 50 Educational And Scientific Equipment	34
11 52 Audio-Visual Equipment.....	34
11 53 Laboratory Equipment	40
11 60 Entertainment and Recreation Equipment	40
11 66 Athletic Equipment.....	40
11 68 Play Field Equipment And Structures.....	40
11 70 Healthcare Equipment.....	45
11 73 Patient Care Equipment.....	45
11 80 Facility Maintenance and Operation Equipment	45
11 81 Maintenance Equipment	45
11 82 Facility Solid Waste Handling Equipment.....	46
12 Furnishings	1
12 01 Operation And Maintenance Of Furnishings.....	1
12 01 60 Operation And Maintenance Of Multiple Seating.....	1
12 20 Window Treatments	1
12 21 Window Blinds.....	1
12 22 Curtains And Drapes	1
12 23 Interior Shutters	3
12 24 Window Shades.....	5
12 30 Casework.....	5
12 31 Manufactured Metal Casework	5
12 35 Specialty Casework	9
12 36 Countertops.....	9
12 40 Furnishings And Accessories	10
12 48 Rugs And Mats.....	10
12 50 Furniture	11
12 55 Detention Furniture	11
12 59 Systems Furniture.....	13
12 60 Multiple Seating	16

12 61 Fixed Audience Seating	16
12 62 Portable-Audience Seating	17
12 63 Stadium And Arena Seating	17
13 Special Construction	1
13 10 Special Facility Components	1
13 11 Swimming Pools	1
13 12 Fountains	1
13 20 Special Purpose Rooms	2
13 21 Controlled Environment Rooms	2
13 30 Special Structures	2
13 34 Fabricated Engineered Structures	2
13 40 Integrated Construction	21
13 42 Building Modules	21
13 47 Facility Protection	21
13 48 Sound, Vibration, And Seismic Control	22
13 49 Radiation Protection	23
14 Conveying Equipment	1
14 01 Operation And Maintenance Of Conveying Equipment	1
14 01 20 Operation And Maintenance Of Elevators	1
14 01 30 Operation And Maintenance Of Escalators And Moving Walks	2
14 20 Elevators	2
14 24 Hydraulic Elevators	2
14 26 Limited-Use/Limited-Application Elevators	6
14 90 Other Conveying Equipment	7
14 91 Facility Chutes	7
14 92 Pneumatic Tube Systems	7
21 Fire Suppression	1
21 01 Operation and Maintenance of Fire Suppression	1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems	1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment	1
21 05 Common Work Results for Fire Suppression	1
21 05 13 Common Motor Requirements For Fire-Suppression Equipment	1
21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping	1
21 05 19 Meters And Gages For Fire-Suppression Systems	1
21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping	1
21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment	1
21 05 48 Vibration And Seismic Controls For Fire-Suppression Piping And Equipment	1
21 05 53 Identification For Fire-Suppression Piping And Equipment	2
21 07 Fire-Suppression Systems Insulation	2
21 07 19 Fire-Suppression Piping Insulation	2
21 10 Water-Based Fire-Suppression Systems	2
21 11 Facility Fire-Suppression Water-Service Piping	2
21 12 Fire-Suppression Standpipes	2
21 13 Fire-Suppression Sprinkler Systems	3
21 20 Fire-Extinguishing Systems	8
21 21 Carbon-Dioxide Fire-Extinguishing Systems	8
21 22 Clean-Agent Fire-Extinguishing Systems	9
21 23 Wet-Chemical Fire-Extinguishing Systems	17
21 24 Dry-Chemical Fire-Extinguishing Systems	20
21 30 Fire Pumps	22
21 31 Centrifugal Fire Pumps	22
22 Plumbing	1
22 01 Operation and Maintenance of Plumbing	1
22 01 40 Operation and Maintenance of Plumbing Fixtures	1
22 05 Common Work Results for Plumbing	1
22 05 13 Common Motor Requirements For Plumbing Equipment	1
22 05 16 Expansion Fittings And Loops For Plumbing Piping	1
22 05 19 Meters And Gages For Plumbing Piping	1
22 05 23 General-Duty Valves For Plumbing Piping	3
22 05 29 Hangers And Supports For Plumbing Piping And Equipment	3
22 05 33 Heat Tracing For Plumbing Piping	3



Table of Contents

22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment	3
22 05 53 Identification For Plumbing Piping And Equipment	4
22 05 76 Facility Drainage Piping Cleanouts	4
22 07 Plumbing Insulation	7
22 07 16 Plumbing Equipment Insulation	7
22 07 19 Plumbing Piping Insulation	7
22 10 Plumbing Piping	21
22 11 Facility Water Distribution	21
22 12 Facility Potable-Water Storage Tanks	74
22 13 Facility Sanitary Sewerage	76
22 14 Facility Storm Drainage	136
22 15 General Service Compressed-Air Systems	145
22 30 Plumbing Equipment	148
22 31 Domestic Water Softeners	148
22 32 Domestic Water Filtration Equipment	150
22 33 Electric Domestic Water Heaters	150
22 34 Fuel-Fired Domestic Water Heaters	152
22 35 Domestic Water Heat Exchangers	156
22 40 Plumbing Fixtures	156
22 41 Residential Plumbing Fixtures	156
22 42 Commercial Plumbing Fixtures	157
22 43 Healthcare Plumbing Fixtures	171
22 45 Emergency Plumbing Fixtures	172
22 46 Security Plumbing Fixtures	172
22 47 Drinking Fountains And Water Coolers	173
22 50 Pool And Fountain Plumbing Systems	176
22 51 Swimming Pool Plumbing Systems	176
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities	177
22 63 Gas Systems For Laboratory And Healthcare Facilities	177
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities	177

23 Heating, Ventilating, And Air-Conditioning (HVAC) 1

23 01 Operation and Maintenance of HVAC Systems	1
23 01 10 Operation and Maintenance of Facility Fuel Systems	1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps	1
23 01 30 Operation and Maintenance of HVAC Air Distribution	2
23 01 50 Operation and Maintenance of Central Heating Equipment	2
23 01 60 Operation and Maintenance of Central Cooling Equipment	4
23 05 Common Work Results For HVAC	4
23 05 13 Common Motor Requirements For HVAC Equipment	4
23 05 16 Expansion Fittings And Loops For HVAC Piping	7
23 05 19 Meters And Gages For HVAC Piping	8
23 05 23 General-Duty Valves For HVAC Piping	12
23 05 29 Hangers And Supports For HVAC Piping And Equipment	31
23 05 33 Heat Tracing For HVAC Piping	52
23 05 48 Vibration And Seismic Controls For HVAC	52
23 05 53 Identification For HVAC Piping And Equipment	56
23 05 93 Testing, Adjusting, And Balancing For HVAC	57
23 07 HVAC Insulation	60
23 07 13 Duct Insulation	60
23 07 19 HVAC Piping Insulation	61
23 08 Commissioning Of HVAC	64
23 09 Instrumentation And Control For HVAC	64
23 09 13 Instrumentation And Control Devices For HVAC	64
23 09 23 Direct-Digital Control System For HVAC	65
23 10 Facility Fuel Systems	83
23 11 Facility Fuel Piping	83
23 12 Facility Fuel Pumps	90
23 13 Facility Fuel-Storage Tanks	90
23 20 HVAC Piping And Pumps	99
23 21 Hydronic Piping And Pumps	99
23 22 Steam And Condensate Piping And Pumps	194
23 23 Refrigerant Piping	200
23 25 HVAC Water Treatment	204
23 30 HVAC Air Distribution	205
23 31 HVAC Ducts And Casings	205
23 33 Air Duct Accessories	226
23 34 HVAC Fans	270

23 35 Special Exhaust Systems	281
23 36 Air Terminal Units	283
23 37 Air Outlets And Inlets	285
23 38 Ventilation Hoods.....	301
23 40 HVAC Air Cleaning Devices	303
23 41 Particulate Air Filtration.....	303
23 42 Gas-Phase Air Filtration.....	305
23 44 Ultraviolet HVAC Microbial Control	305
23 50 Central Heating Equipment	307
23 51 Breechings, Chimneys, And Stacks	307
23 52 Heating Boilers	325
23 53 Heating Boiler Feedwater Equipment.....	342
23 54 Furnaces	342
23 55 Fuel-Fired Heaters.....	345
23 57 Heat Exchangers for HVAC	346
23 60 Central Cooling Equipment.....	347
23 61 Refrigerant Compressors.....	347
23 62 Packaged Compressor and Condenser Units	351
23 63 Refrigerant Condensers.....	352
23 64 Packaged Water Chillers	354
23 65 Cooling Towers.....	358
23 70 Central HVAC Equipment.....	362
23 71 Thermal Storage.....	362
23 72 Air-To-Air Energy Recovery Equipment	362
23 73 Indoor Central-Station Air-Handling Units	363
23 74 Packaged Outdoor HVAC Equipment	382
23 76 Evaporative Air-Cooling Equipment	389
23 80 Decentralized Unitary HVAC Equipment	390
23 81 Decentralized Unitary HVAC Equipment.....	390
23 82 Convection Heating And Cooling Units	403
23 83 Radiant Heating Units.....	418
23 84 Humidity Control Equipment	419
26 Electrical	1
26 01 Operation and Maintenance of Electrical Systems.....	1
26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution.....	1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution.....	2
26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment	2
26 01 50 Operation and Maintenance of Lighting.....	2
26 05 Common Work Results For Electrical.....	9
26 05 13 Medium-Voltage Cables.....	9
26 05 19 Low-Voltage Electrical Power Conductors And Cables	14
26 05 23 Control-Voltage Electrical Power Cables.....	27
26 05 26 Grounding And Bonding For Electrical Systems.....	28
26 05 29 Hangers And Supports For Electrical Systems.....	32
26 05 33 Raceway And Boxes For Electrical Systems	50
26 05 36 Cable Trays For Electrical Systems	167
26 05 39 Underfloor Raceways for Electrical Systems.....	254
26 05 43 Underground Ducts And Raceways For Electrical Systems	256
26 05 46 Utility Poles for Electrical Systems	257
26 05 53 Identification for Electrical Systems.....	264
26 05 83 Wiring Connections.....	264
26 09 Instrumentation and Control for Electrical Systems	268
26 09 23 Lighting Control Devices	268
26 10 Medium-Voltage Electrical Distribution	282
26 11 Substations.....	282
26 12 Medium-Voltage Transformers.....	289
26 13 Medium-Voltage Switchgear	293
26 18 Medium-Voltage Circuit Protection Devices	295
26 20 Low-Voltage Electrical Distribution	295
26 21 Low-Voltage Electrical Service Entrance.....	295
26 22 Low-Voltage Transformers.....	296
26 24 Switchboards And Panelboards	304
26 25 Enclosed Bus Assemblies.....	356
26 26 Power Distribution Units.....	359
26 27 Low-Voltage Distribution Equipment	360
26 28 Low-Voltage Circuit Protective Devices.....	376
26 29 Low-Voltage Controllers.....	391



Table of Contents

26 30 Facility Electrical Power Generating And Storing Equipment	407
26 31 Photovoltaic Collectors	407
26 32 Packaged Generator Assemblies	411
26 33 Battery Equipment	414
26 35 Power Filters And Conditioners	418
26 36 Transfer Switches	418
26 40 Electrical And Cathodic Protection	421
26 41 Facility Lightning Protection	421
26 43 Surge Protective Devices	423
26 50 Lighting	426
26 51 Interior Lighting	426
26 52 Emergency Lighting	447
26 53 Exit Signs	449
26 55 Special Purpose Lighting	450
26 56 Exterior Lighting	451
27 Communications	1
27 05 Common Work Results for Communications	1
27 05 26 Grounding and Bonding for Communications Systems	1
27 05 29 Hangers And Supports For Communications Systems	1
27 05 33 Conduits And Backboxes For Communications Systems	1
27 05 36 Cable Trays For Communications Systems	1
27 05 39 Surface Raceways For Communications Systems	1
27 10 Structured Cabling	1
27 11 Communications Equipment Room Fittings	1
27 14 Communications Cabling	4
27 16 Communications Connecting Cords, Devices, And Adapters	33
27 20 Data Communications	35
27 21 Data Communications Network Equipment	35
27 30 Voice Communications	35
27 31 Voice Communications Switching and Routing Equipment	35
27 32 Voice Communications Terminal Equipment	35
27 40 Audio-Video Communications	37
27 41 Audio-Video Systems	37
27 50 Distributed Communications And Monitoring Systems	38
27 51 Distributed Audio-Video Communications Systems	38
27 52 Healthcare Communications And Monitoring Systems	38
27 53 Distributed Systems	39
28 Electronic Safety And Security	1
28 05 Common Work Results For Electronic Safety And Security	1
28 05 13 Conductors And Cables For Electronic Safety And Security	1
28 05 26 Grounding And Bonding For Electronic Safety And Security	1
28 05 28 Pathways For Electronic Safety And Security	1
28 05 53 Identification For Electronic Safety And Security	1
28 10 Electronic Access Control And Intrusion Detection	1
28 13 Access Control	1
28 20 Electronic Surveillance	8
28 23 Video Surveillance	8
28 26 Electronic Personal Protection Systems	44
28 30 Electronic Detection And Alarm	45
28 31 Fire Detection And Alarm	45
28 33 Gas Detection and Alarm	71
28 34 Fuel-Oil Detection and Alarm	72
31 Earthwork	1
31 01 Maintenance of Earthwork	1
31 01 20 Maintenance of Earth Moving	1
31 05 Common Work Results For Earthwork	1
31 05 13 Soils For Earthwork	1
31 05 16 Aggregates For Earthwork	1
31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization	2
31 10 Site Clearing	2
31 11 Clearing And Grubbing	2
31 13 Selective Tree And Shrub Removal And Trimming	3
31 20 Earth Moving	4

31 23 Excavation And Fill	4
31 24 Embankments.....	12
31 25 Erosion And Sedimentation Controls	13
31 30 Earthwork Methods	15
31 31 Soil Treatment	15
31 32 Soil Stabilization	16
31 36 Gabions.....	18
31 37 Riprap.....	19
31 40 Shoring And Underpinning	19
31 41 Shoring	19
31 45 Vibroflotation And Densification	20
31 48 Underpinning.....	20
31 50 Excavation Support And Protection.....	20
31 52 Cofferdams.....	20
31 60 Special Foundations And Load-bearing Elements	20
31 62 Driven Piles	20
31 63 Bored Piles.....	23
31 64 Caissons.....	25
31 68 Foundation Anchors.....	29
32 Exterior Improvements	1
32 01 Operation And Maintenance Of Exterior Improvements.....	1
32 01 11 Paving Cleaning.....	1
32 01 16 Flexible Paving Rehabilitation	1
32 01 17 Flexible Paving Repair	3
32 01 26 Rigid Paving Rehabilitation	4
32 01 90 Operation And Maintenance Of Planting	4
32 10 Bases, Ballasts, And Paving.....	7
32 11 Base Courses.....	7
32 12 Flexible Paving	8
32 13 Rigid Paving	13
32 14 Unit Paving.....	16
32 15 Aggregate Surfacing.....	20
32 16 Curbs, Gutters, Sidewalks, And Driveways	20
32 17 Paving Specialties	26
32 18 Athletic And Recreational Surfacing.....	38
32 30 Site Improvements	45
32 31 Fences And Gates.....	45
32 32 Retaining Walls.....	95
32 33 Site Furnishings	100
32 39 Manufactured Site Specialties.....	106
32 80 Irrigation.....	107
32 84 Planting Irrigation.....	107
32 90 Planting.....	118
32 91 Planting Preparation	118
32 92 Turf And Grasses.....	121
32 93 Plants	125
32 94 Planting Accessories	159
32 96 Transplanting.....	162
33 Utilities	1
33 01 Operation And Maintenance Of Utilities.....	1
33 01 30 Operation And Maintenance Of Sewer Utilities.....	1
33 05 Common Work Results For Utilities.....	30
33 05 13 Manholes And Structures.....	30
33 05 16 Utility Structures.....	30
33 05 23 Trenchless Utility Installation.....	40
33 10 Water Utilities.....	41
33 11 Water Utility Distribution Piping.....	41
33 12 Water Utility Distribution Equipment.....	82
33 13 Disinfecting of Water Utility Distribution.....	88
33 16 Water Utility Storage Tanks	89
33 20 Wells.....	89
33 21 Water Supply Wells	89
33 26 Relief Wells.....	98
33 30 Sanitary Sewerage Utilities.....	98
33 31 Sanitary Utility Sewerage Piping.....	98



Table of Contents

33 32 Wastewater Utility Pumping Stations	102
33 36 Utility Septic Tanks	102
33 39 Sanitary Utility Sewerage Structures	104
33 40 Storm Drainage Utilities.....	108
33 41 Storm Utility Drainage Piping	108
33 42 Culverts	152
33 44 Storm Utility Water Drains.....	153
33 46 Subdrainage	166
33 50 Fuel Distribution Utilities.....	167
33 51 Natural-Gas Distribution.....	167
33 56 Fuel-Storage Tanks	173
33 60 Hydronic And Steam Energy Utilities.....	173
33 61 Hydronic Energy Distribution.....	173
33 70 Electrical Utilities	193
33 71 Electrical Utility Transmission And Distribution.....	193
34 Transportation	1
34 40 Transportation Signaling and Control Equipment	1
34 41 Roadway Signaling and Control Equipment	1
34 70 Transportation Construction And Equipment	3
34 71 Roadway Construction.....	3
35 Waterway and Marine Construction	1
35 01 Operation And Maintenance Of Waterway and Marine Construction	1
35 01 70 Operation And Maintenance Of Dams.....	1
35 05 Common Work Results for Waterway and Marine Construction	1
35 05 70 Common Work Results for Dams.....	1
35 20 Waterway and Marine Construction and Equipment	1
35 20 16 Hydraulic Gates	1
35 20 19 Hydraulic Valves.....	3
35 20 23 Dredging.....	4
40 Process Interconnections	1
40 05 Common Work Results For Process Interconnections.....	1
40 05 23 Stainless Steel Process Pipe and Tubing.....	1
40 05 41 Glass Process Pipe	34
41 Material Processing And Handling Equipment	1
41 01 Operation And Maintenance Of Material Processing And Handling Equipment	1
41 01 20 Operation And Maintenance Of Piece Material Handling Equipment	1
41 20 Piece Material Handling Equipment.....	1
41 22 Cranes And Hoists.....	1
43 Process Gas and Liquid Handling, Purification, and Storage Equipment	1
43 20 Liquid Handling Equipment	1
43 23 Dry Location Liquid Pumps	1
43 24 Suspended Liquid Pumps	1
43 40 Gas and Liquid Storage.....	1
43 41 Non-pressurized Tanks And Vessels	1

CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in August 2014.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading materials, tools and equipment within 125' of the site; moving materials, tools and equipment from storage area or truck up to 2 ½ stories (2 stories with an attic); layout, measuring and cutting to fit, labor to perform the task, permit compliance, start-up, clean-up of construction debris, job meetings, and time lost for normal work breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's

compensation, unemployment insurance and employee benefits.

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ Unit Prices include delivery, unloading and storing materials, tools and equipment on site; moving, materials, tools and equipment from storage area or truck to areas inside the building up to 2 ½ stories (2 stories with an attic) and within 125' to reach the

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site. If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices exclude moving material, tools and equipment to areas inside the building greater than 2 ½ stories and more than 125' to reach the site (See 01661900).
- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the demolished items; clean-up of the area; and moving demolished items inside the

building 2 ½ stories and within 125' of the site into a truck or dumpster or to a designated area for owner salvaged items.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), trash chutes (See 01741900), and moving demolished items inside the building more than 2 ½ stories or more than 125' from the site (See 01661900), unless the task description states otherwise.
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification

- project meetings, training, management and supervision
- mobilization and close-out for the contract and each Job Order and
- project office staff and equipment.
- Profit.
- Subcontractor's overhead and profit.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Employee or Subcontractor's wage rates that exceed the prevailing wage rates.
- Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.
- Meeting Owner security requirements.
- Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).
- Protection of all surfaces including those not in the scope of work from construction dust, debris or damage during construction up until final acceptance. The methods of protection including plastic, paper, sealing doors or windows, etc. are the Contractor's responsibility.
- Daily clean-up.
- Final professional project clean-up.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Costs resulting from productivity loss.
- Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- Differences in project size; complexity and location.
- All costs for other than discreet items of work specifically required to complete a particular Job Order.

CONSTRUCTION RELATED COSTS:

- Services required to obtain filings and permits.
- Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- Incidental engineering and architectural services.
- Office trailer and portable toilets for Contractor's use.
- Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- Personnel safety equipment (e.g. hard hats, safety harnesses (with lifeline or cabling), protective clothing, safety glasses, face shields, etc.), basic safety and warning signage, and minor barricades (e.g. construction tape, etc.).

PRICE VARIATIONS:

- Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.

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- While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

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

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
---------------------------------	----------	--	----------	--
- No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

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

FIELD ENGINEERING:

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

or adjacent to the site, any other surveying required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

ASSEMBLIES:

- Assembly unit prices take precedence over individual component pricing.

TESTING:

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

MISCELLANEOUS:

- For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price

adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** – Bank (In-place) Cubic Yards, **BF** – Board Foot, **BOX** – Box (each), **BTU** – British Thermal Unit, **C** – One Hundred, **CCF** – One Hundred Cubic Feet, **CCY** – Compacted Cubic Yards, **CF** – Cubic Foot, **CFM** – Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** – One Hundred Linear Feet, **CSF** – One Hundred Square Feet, **CSY** – Hundred Square Yards, **CWT** – Hundred Weight, **CY** – Cubic Yard, **CYM** – Cubic Yard Mile, **DAY** – Day, **DRM** – Drum (each), **EA** – Each, **FLR** – Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** – Ground Square Foot, **HR** – Hour, **HWT** – Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** – Loose (Excavated) Cubic Yards, **LF** – Linear Foot, **LFD** – Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** – One Thousand Board Feet, **MBH** – One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** – One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** – One Thousand Linear Feet, **MO** – Month, **MSF** – One Thousand Square Feet, **MSY** – One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** – Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** – Roll (each), **ROM** – Room, **ROW** – Row, **RSR** – Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** – Square Foot, **SHT** – Sheet, **SI** – Square Inch, **STP** – Stop (each), **SQ** – Square or One Hundred Square Feet, **SY** – Square Yard, **SYI** – Inches per Square Yard, **TNM** – Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** – United Inch, **UNT** – Unit, **VLF** – Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

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MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the site, unless otherwise directed by the Owner.

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:**Circle**

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

Cylinder

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

Sphere

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

 $\pi = 3.14159$ **United Inch**

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

TRADEMARKS

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

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 00-0001 Purge Gas Systems ^(23 01 10)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 00-0022 for refrigerant.

23 01 10 00-0002	EA	Purge Gas Systems, Up To 100 LF, 1/2" - 1-1/2" Diameter Pipe.....	375.41
23 01 10 00-0003	EA	Purge Gas Systems, >100 - 250 LF, 1/2" - 1-1/2" Diameter Pipe.....	536.09
23 01 10 00-0004	EA	Purge Gas Systems, >250 - 500 LF, 1/2" - 1-1/2" Diameter Pipe.....	562.53
23 01 10 00-0005	EA	Purge Gas Systems, >500 - 1,000 LF, 1/2" - 1-1/2" Diameter Pipe.....	619.93
23 01 10 00-0006	EA	Purge Gas Systems, >1,000 - 2,000 LF, 1/2" - 1-1/2" Diameter Pipe.....	1,122.57
23 01 10 00-0007	EA	Purge Gas Systems, Up To 100 LF, 2" - 4" Diameter Pipe.....	504.00
23 01 10 00-0008	EA	Purge Gas Systems, >100 - 250 LF, 2" - 4" Diameter Pipe.....	723.32
23 01 10 00-0009	EA	Purge Gas Systems, >250 - 500 LF, 2" - 4" Diameter Pipe.....	763.58
23 01 10 00-0010	EA	Purge Gas Systems, >500 - 1,000 LF, 2" - 4" Diameter Pipe.....	850.65
23 01 10 00-0011	EA	Purge Gas Systems, >1,000 - 2,000 LF, 2" - 4" Diameter Pipe.....	1,544.92
23 01 10 00-0012	EA	Purge Gas Systems, Up To 100 LF, 6" - 10" Diameter Pipe.....	592.86
23 01 10 00-0013	EA	Purge Gas Systems, >100 - 250 LF, 6" - 10" Diameter Pipe.....	867.32
23 01 10 00-0014	EA	Purge Gas Systems, >250 - 500 LF, 6" - 10" Diameter Pipe.....	2,017.22
23 01 10 00-0015	EA	Purge Gas Systems, >500 - 1,000 LF, 6" - 10" Diameter Pipe.....	3,139.27
23 01 10 00-0016	EA	Purge Gas Systems, >1,000 - 2,000 LF, 6" - 10" Diameter Pipe.....	5,893.24

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 00-0001 Special Cleaning Of Piping Systems ^(23 01 20)

23 01 20 00-0002 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing ^(23 01 20 00-0001)

23 01 20 00-0003	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	1.67
23 01 20 00-0004	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	2.78
23 01 20 00-0005	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	3.88
23 01 20 00-0006	LF	4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	5.02
23 01 20 00-0007	LF	6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	6.98

23 01 20 00-0008 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing ^(23 01 20 00-0001)

23 01 20 00-0009	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	1.79
23 01 20 00-0010	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.92
23 01 20 00-0011	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	4.08
23 01 20 00-0012	LF	4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	5.33
23 01 20 00-0013	LF	6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	7.38

23 01 20 00-0014 Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing ^(23 01 20 00-0001)

23 01 20 00-0015	LF	Up To 1", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	1.82
23 01 20 00-0016	LF	>1" To 2", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	2.98
23 01 20 00-0017	LF	>2" To 3", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	4.17
23 01 20 00-0018	LF	4", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	5.45
23 01 20 00-0019	LF	6", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	7.54

23 01 20 00-0020 Lock Out/Tag Out System ^(23 01 20)

23 01 20 00-0021	EA	Up To 1", Lock Out/Tag Out Valve.....	20.33
23 01 20 00-0022	EA	>1" To 3", Lock Out/Tag Out Valve.....	24.39
23 01 20 00-0023	EA	>3" To 6", Lock Out/Tag Out Valve.....	28.45
23 01 20 00-0024	EA	>6" To 10", Lock Out/Tag Out Valve.....	32.52
23 01 20 00-0025	EA	>10" To 14", Lock Out/Tag Out Valve.....	40.64
23 01 20 00-0026	EA	Lock Out/Tag Out Padlock System.....	16.26
23 01 20 00-0027	EA	Lock Out/Tag Out Tag.....	2.69

23 01 20 00-0028 Freeze Pipe Using CO2 Kit ^(23 01 20)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 00-0029	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	111.89
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23 01 20 00-0030 Freeze Pipe Using Nitrogen ^(23 01 20)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 00-0031	EA	Up To 4" Pipe Freezing Using Nitrogen.....	1,028.04
		Note: For each location. Includes freezing on each side of valve or fitting.	
23 01 20 00-0032	EA	6" To 12" Pipe Freezing Using Nitrogen.....	2,056.08
		Note: For each location. Includes freezing on each side of valve or fitting.	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 00-0033	Water/Chlorine Pipe Disinfection/Flush/Testing <small>(23 01 20)</small>	
	Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".	
23 01 20 00-0034	LF Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing.....	1.34
23 01 20 00-0035	LF >1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing.....	1.83
23 01 20 00-0036	LF >2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing.....	2.82
23 01 20 00-0037	LF 4", Water/Chlorine Pipe Disinfection/Flush/Testing.....	3.87
23 01 20 00-0038	LF 6", Water/Chlorine Pipe Disinfection/Flush/Testing.....	4.77
23 01 20 00-0039	LF 8", Water/Chlorine Pipe Disinfection/Flush/Testing.....	6.03
23 01 20 00-0040	LF 10", Water/Chlorine Pipe Disinfection/Flush/Testing.....	7.95
23 01 20 00-0041	LF 12", Water/Chlorine Pipe Disinfection/Flush/Testing.....	9.52

23 01 20 00-0042	Shut Down Existing Piping System <small>(23 01 20)</small>	
23 01 20 00-0043	EA Shut Down Existing Interior Piping System.....	164.13
	Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	

23 01 20 00-0044	Purge Liquid Systems <small>(23 01 20)</small>	
	Note: Includes collection and refilling/bleeding of system.	
23 01 20 00-0045	EA Purge Liquid System, Up To 100 LF, 1/2" - 1-1/2" Diameter Pipe.....	267.60
23 01 20 00-0046	EA Purge Liquid System, >100 - 250 LF, 1/2" - 1-1/2" Diameter Pipe.....	382.18
23 01 20 00-0047	EA Purge Liquid System, >250 - 500 LF, 1/2" - 1-1/2" Diameter Pipe.....	457.93
23 01 20 00-0048	EA Purge Liquid System, >500 - 1,000 LF, 1/2" - 1-1/2" Diameter Pipe.....	484.10
23 01 20 00-0049	EA Purge Liquid System, >1,000 - 2,000 LF, 1/2" - 1-1/2" Diameter Pipe.....	924.18
23 01 20 00-0050	EA Purge Liquid System, Up To 100 LF Of 2" - 4" Diameter Pipe.....	356.20
23 01 20 00-0051	EA Purge Liquid System, >100 - 250 LF Of 2" - 4" Diameter Pipe.....	508.30
23 01 20 00-0052	EA Purge Liquid System, >250 - 500 LF Of 2" - 4" Diameter Pipe.....	605.12
23 01 20 00-0053	EA Purge Liquid System, >500 - 1,000 LF Of 2" - 4" Diameter Pipe.....	643.41
23 01 20 00-0054	EA Purge Liquid System, >1,000 - 2,000 LF Of 2" - 4" Diameter Pipe.....	1,239.75
23 01 20 00-0055	EA Purge Liquid System, Up To 100 LF Of 6" - 10" Diameter Pipe.....	439.14
23 01 20 00-0056	EA Purge Liquid System, >100 - 250 LF Of 6" - 10" Diameter Pipe.....	627.53
23 01 20 00-0057	EA Purge Liquid System, >250 - 500 LF Of 6" - 10" Diameter Pipe.....	1,740.05
23 01 20 00-0058	EA Purge Liquid System, >1,000 - 2,000 LF Of 6" - 10" Diameter Pipe.....	2,761.38

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning** (23 01 30)

23 01 30 51-0001	Special Cleaning Of Ductwork <small>(23 01 30 51)</small>	
	Note: Includes sealing registers, grilles, diffusers as required.	
23 01 30 51-0002	LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork.....	2.61
	<i>For Exhaust Ductwork, Add</i>	0.65
23 01 30 51-0003	LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork.....	3.27
	<i>For Exhaust Ductwork, Add</i>	0.82
23 01 30 51-0004	LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork.....	4.39
	<i>For Exhaust Ductwork, Add</i>	1.10
23 01 30 51-0005	LF >8 SF Cross Section, Clean Supply/Return Ductwork.....	6.20
	<i>For Exhaust Ductwork, Add</i>	1.55
23 01 30 51-0006	SF Clean Duct Dampers.....	8.82
23 01 30 51-0007	SF Clean Duct Fire Dampers.....	17.63
23 01 30 51-0008	SF Clean Louver.....	7.06
23 01 30 51-0009	EA Clean Turning Vane Set.....	21.16
23 01 30 51-0010	EA Clean Grille/Diffuser/Register.....	21.16
	Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF Clean Linear Diffuser.....	5.28
	Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors.....	70.09
	<i>For Stainless Steel, Add</i>	45.00
23 01 30 51-0013	EA Clean Variable Air Volume (VAV) Unit.....	63.47
23 01 30 51-0014	EA Clean Fan Powered Induction Unit (PIU) Unit.....	84.62
23 01 30 51-0015	EA Clean Fan Coil Unit (FCU) Unit.....	84.62
23 01 30 51-0016	EA Clean Supply Or Return Fan.....	169.25
23 01 30 51-0017	EA Clean Exhaust Fan.....	148.09
23 01 30 51-0018	EA Clean Duct Coil.....	126.93
23 01 30 51-0019	SF Clean Air Handling Unit Interior Housing, HEPA Vacuum.....	4.23
	Note: Excluding fan and coils.	
23 01 30 51-0020	EA Clean Air Handling Unit Fan.....	169.25
23 01 30 51-0021	EA Clean Air Handling Unit Coil.....	253.87
23 01 30 51-0022	SF Clean Equipment Surfaces, Rust Reform And Prime.....	2.13
23 01 30 51-0023	SF Clean Interior Equipment Surfaces, Rust Reform And Prime.....	2.55
23 01 30 51-0024	SF HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms.....	0.48
23 01 30 51-0025	EA Cleaning Of Ductwork Minimum Set-up Charge.....	608.83
	Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0026	SF Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.34

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 00-0001 Boiler And Chiller Water Treatment** (23 01 50)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				Note: 3 LB chemical per 50 gallon system water.		
	23 01 50 00-0002	LB		Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	0.82	
	23 01 50 00-0003	LB		Boil Out Boiler And System With Trisodium Phosphate..... Note: Includes disposal after treatment.	1.22	
	23 01 50 00-0004	GAL		Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	76.53	
23 01 50 00-0005				Boiler Repairs (23 01 50)		
23 01 50 00-0006				Setup And Maintenance (23 01 50 00-0005)		
	23 01 50 00-0007	EA		Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	1,784.01	
	23 01 50 00-0008	EA		Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	1,898.33	
				<i>For Burner Seals, Add</i>	578.40	
				<i>Note: Used when burner must be removed from door for maintenance.</i>		
	23 01 50 00-0009	EA		Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,378.68	
	23 01 50 00-0010	EA		Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,189.34	
	23 01 50 00-0011	EA		>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,378.68	
	23 01 50 00-0012	EA		Remove And Replace Handhole.....	74.33	
	23 01 50 00-0013	EA		Remove And Replace Manhole.....	223.00	
	23 01 50 00-0014	SF		Sheet Metal Jacket Patch.....	9.27	
23 01 50 00-0015				Boiler Tube Replacement (23 01 50 00-0005)		
	23 01 50 00-0016	EA		Remove Up To 2" Boiler Tube.....	178.40	
	23 01 50 00-0017	EA		Remove >2" To 3" Boiler Tube.....	223.01	
	23 01 50 00-0018	EA		Remove >3" To 4" Boiler Tube.....	312.19	
	23 01 50 00-0019	LF		Place 1-1/2" Boiler Tube Into Position For Termination.....	5.01	
	23 01 50 00-0020	LF		Place 2" Boiler Tube Into Position For Termination.....	5.78	
	23 01 50 00-0021	LF		Place 2-1/2" Boiler Tube Into Position For Termination.....	6.55	
	23 01 50 00-0022	LF		Place 3" Boiler Tube Into Position For Termination.....	9.07	
	23 01 50 00-0023	LF		Place 3-1/2" Boiler Tube Into Position For Termination.....	10.52	
	23 01 50 00-0024	LF		Place 4" Boiler Tube Into Position For Termination.....	13.23	
	23 01 50 00-0025	EA		1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	22.30	
	23 01 50 00-0026	EA		2" Rolled Boiler Tube Termination (2 Per New Tube).....	33.45	
	23 01 50 00-0027	EA		2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	44.60	
	23 01 50 00-0028	EA		3" Rolled Boiler Tube Termination (2 Per New Tube).....	55.75	
	23 01 50 00-0029	EA		3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	66.90	
	23 01 50 00-0030	EA		4" Rolled Boiler Tube Termination (2 Per New Tube).....	78.05	
	23 01 50 00-0031	EA		1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	66.90	
	23 01 50 00-0032	EA		2" Welded Boiler Tube Termination (2 Per New Tube).....	89.21	
	23 01 50 00-0033	EA		2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	111.50	
	23 01 50 00-0034	EA		3" Welded Boiler Tube Termination (2 Per New Tube).....	133.80	
	23 01 50 00-0035	EA		3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	156.10	
	23 01 50 00-0036	EA		4" Welded Boiler Tube Termination (2 Per New Tube).....	178.40	
	23 01 50 00-0037	EA		Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	209.80	
23 01 50 00-0038				Cast Iron Boiler Section Replacement (23 01 50 00-0005)		
	23 01 50 00-0039	EA		Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,044.04	
	23 01 50 00-0040	EA		Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,426.27	
	23 01 50 00-0041	EA		Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,752.98	
	23 01 50 00-0042	EA		Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,798.33	
	23 01 50 00-0043	EA		Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	2,838.18	
	23 01 50 00-0044	EA		Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,241.62	
	23 01 50 00-0045	EA		Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	6,205.89	
	23 01 50 00-0046	EA		Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	4,887.07	
	23 01 50 00-0047	EA		Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,148.14	
23 01 50 00-0048				Cast Iron Grate Replacement (23 01 50 00-0005)		
	23 01 50 00-0049	SF		Replace Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	102.86	
	23 01 50 00-0050	EA		Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,544.88	
23 01 50 00-0051				Replacement Or Conversion Of Boiler Burners (23 01 50 00-0005)		
				Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
	23 01 50 00-0052	EA		700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	5,548.92	797.99
	23 01 50 00-0053	EA		2100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	7,937.65	987.97
	23 01 50 00-0054	EA		2800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	9,388.46	1,196.91
	23 01 50 00-0055	EA		3800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	11,021.82	1,287.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 60 Operation and Maintenance of Central Cooling Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)****23 01 60 00-0001 Cooling Tower Repairs (23 01 60)**

23 01 60 00-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	1,736.42
23 01 60 00-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	2,040.45
23 01 60 00-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	2,342.24
23 01 60 00-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	2,760.55
23 01 60 00-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	3,039.05
23 01 60 00-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	1,922.55
23 01 60 00-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	2,135.57
23 01 60 00-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	2,501.73
23 01 60 00-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	2,845.69
23 01 60 00-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	3,130.86
23 01 60 00-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	475.71
23 01 60 00-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	495.41
23 01 60 00-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	530.64
23 01 60 00-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	618.01
23 01 60 00-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	764.19
23 01 60 00-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	1,029.10
23 01 60 00-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	1,083.19
23 01 60 00-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	1,164.33
23 01 60 00-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	25.46
23 01 60 00-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	16.36

23 01 60 00-0022 Refrigerant Recovery, Reclaim And Recycling (23 01 60)

23 01 60 00-0023	LB	Recovery Of Refrigerant	6.37
23 01 60 00-0024	LB	Recovery And Recharging Of Refrigerant.....	11.95

Note: Includes cleaning refrigerant gas prior to recharging.

23 05 Common Work Results For HVAC (23)**23 05 13 Common Motor Requirements For HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	374.10
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	423.60
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	496.64
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	417.11
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	443.08
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	581.03
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	490.15
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	474.73
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	594.02
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	496.64
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	512.06
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	756.32
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	542.08
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	560.75
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	990.84
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	860.19
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	824.48
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,188.04
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	983.54
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	998.14
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,545.91
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,397.40
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,413.63
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,084.74
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,641.66
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,774.75
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,537.56
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,971.13
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,163.46
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,065.04
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,325.76
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,365.52
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,197.31
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,996.87
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,086.13
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,263.85
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,405.87



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0041	EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,129.72	
23 05 13 00-0042	EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,287.97	
23 05 13 00-0043	EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,417.57	
23 05 13 00-0044	EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,263.39	
23 05 13 00-0045	EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,790.86	
23 05 13 00-0046	EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,123.58	
23 05 13 00-0047	EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,267.79	
23 05 13 00-0048	EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,512.06	
23 05 13 00-0049	EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,965.45	
23 05 13 00-0050	Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051	EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	4,554.95	
23 05 13 00-0052	EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	5,514.14	
23 05 13 00-0053	EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	7,000.81	
23 05 13 00-0054	EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	7,794.46	
23 05 13 00-0055	EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,579.18	
23 05 13 00-0056	EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	9,264.90	
23 05 13 00-0057	EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,344.65	
23 05 13 00-0058	EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,911.43	
23 05 13 00-0059	EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,159.98	
23 05 13 00-0060	EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,427.78	
23 05 13 00-0061	EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	14,343.28	
23 05 13 00-0062	Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.			
23 05 13 00-0063	Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064	EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	437.40	
23 05 13 00-0065	EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	482.03	
23 05 13 00-0066	EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	573.73	
23 05 13 00-0067	EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	495.83	
23 05 13 00-0068	EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	500.70	
23 05 13 00-0069	EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	542.89	
23 05 13 00-0070	EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	519.36	
23 05 13 00-0071	EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	602.13	
23 05 13 00-0072	EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	573.73	
23 05 13 00-0073	EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	921.05	
23 05 13 00-0074	EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	667.86	
23 05 13 00-0075	EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	628.10	
23 05 13 00-0076	EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,040.34	
23 05 13 00-0077	EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,000.58	
23 05 13 00-0078	EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	905.63	
23 05 13 00-0079	EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,014.38	
23 05 13 00-0080	EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,022.49	
23 05 13 00-0081	Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0082	EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	624.04	
23 05 13 00-0083	EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	698.70	
23 05 13 00-0084	EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	658.94	
23 05 13 00-0085	EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	646.77	
23 05 13 00-0086	EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	831.79	
23 05 13 00-0087	EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	693.02	
23 05 13 00-0088	EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	677.60	
23 05 13 00-0089	EA 2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	844.77	
23 05 13 00-0090	EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	748.20	
23 05 13 00-0091	EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	769.30	
23 05 13 00-0092	EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,052.52	
23 05 13 00-0093	EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	921.05	
23 05 13 00-0094	EA 5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	770.11	
23 05 13 00-0095	EA 5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,221.31	
23 05 13 00-0096	EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,066.31	
23 05 13 00-0097	EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,027.36	
23 05 13 00-0098	EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,741.48	
23 05 13 00-0099	EA 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,249.71	
23 05 13 00-0100	EA 10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,152.33	
23 05 13 00-0101	EA 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,988.18	
23 05 13 00-0102	EA 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,722.00	
23 05 13 00-0103	EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,575.93	
23 05 13 00-0104	EA 15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,651.98	
23 05 13 00-0105	EA 20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,889.98	
23 05 13 00-0106	EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,911.08	
23 05 13 00-0107	EA 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,530.84	
23 05 13 00-0108	EA 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,466.15	
23 05 13 00-0109	EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,499.42	
23 05 13 00-0110	EA 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,995.01	
23 05 13 00-0111	EA 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,930.33	
23 05 13 00-0112	EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,965.22	
23 05 13 00-0113	EA 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,615.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 13 Common Motor Requirements For HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,016.92	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,877.35	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,751.10	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,394.27	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,237.65	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,949.69	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,173.08	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,097.61	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,435.54	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	7,181.78	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	7,129.84	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,823.21	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,854.28	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	10,961.74	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	12,609.09	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	15,846.97	

23 05 13 00-0130**Premium Efficient, Severe Duty Motors** (23 05 13 00-0001)

Note: NEMA premium efficiency, severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	648.39	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	712.50	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	787.16	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,106.07	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	737.65	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	726.29	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	921.05	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,376.30	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	771.74	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	757.94	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	933.22	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,735.80	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	912.94	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	959.19	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,347.09	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,882.68	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,123.12	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	976.23	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,364.94	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,996.87	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,465.57	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,229.42	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,953.28	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,426.96	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,560.51	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,472.06	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,537.56	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,997.45	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,996.29	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,875.38	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,909.23	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,336.42	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,329.00	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,011.71	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,952.82	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,083.82	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,798.86	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,632.51	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,130.54	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,412.36	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,125.90	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,325.06	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,688.04	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,089.96	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,637.26	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,912.82	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,800.83	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,069.79	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,129.84	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,434.38	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,656.85	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,970.55	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,518.55	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,752.95	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,018.78	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,869.46	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,927.20	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,772.43	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,667.75	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,603.75	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,801.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 13 00-0192	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,668.91	
	23 05 13 00-0193	EA		150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,465.34	
	23 05 13 00-0194	EA		200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,342.80	
	23 05 13 00-0195	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,443.42	
	23 05 13 00-0196	EA		200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,568.05	
	23 05 13 00-0197			Premium Efficient, Explosion Proof Motors <small>(23 05 13 00-0001)</small>		
				Note: NEMA premium efficiency, explosion proof, three phase AC motors.		
	23 05 13 00-0198	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	865.06	
	23 05 13 00-0199	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	895.90	
	23 05 13 00-0200	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	977.05	
	23 05 13 00-0201	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,207.51	
	23 05 13 00-0202	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,338.98	
	23 05 13 00-0203	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,845.35	
	23 05 13 00-0204	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,883.49	
	23 05 13 00-0205	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,549.73	
	23 05 13 00-0206	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,906.79	
	23 05 13 00-0207	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,818.92	
	23 05 13 00-0208	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,286.34	
	23 05 13 00-0209	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,605.03	
	23 05 13 00-0210	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,312.66	
	23 05 13 00-0211	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	8,830.74	
	23 05 13 00-0212	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	10,366.91	
	23 05 13 00-0213	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	12,628.56	
	23 05 13 00-0214	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	16,505.91	
	23 05 13 00-0215	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	18,833.29	
	23 05 13 00-0216			Motor Mounting <small>(23 05 13)</small>		
				Note: Includes handling and motor installation on mounting base. Excludes mounting base.		
	23 05 13 00-0217	EA		1/2 HP Motor Mounting.....	129.28	65.78
	23 05 13 00-0218	EA		3/4 HP Motor Mounting.....	148.96	82.23
	23 05 13 00-0219	EA		1 HP Motor Mounting.....	159.35	82.23
	23 05 13 00-0220	EA		1-1/2 HP Motor Mounting.....	171.31	82.23
	23 05 13 00-0221	EA		2 HP Motor Mounting.....	185.19	98.67
	23 05 13 00-0222	EA		3 HP Motor Mounting.....	214.12	98.67
	23 05 13 00-0223	EA		5 HP Motor Mounting.....	253.78	164.45
	23 05 13 00-0224	EA		7-1/2 HP Motor Mounting.....	326.29	164.45
	23 05 13 00-0225	EA		10 HP Motor Mounting.....	428.26	287.79
	23 05 13 00-0226	EA		15 HP Motor Mounting.....	527.08	287.79
	23 05 13 00-0227	EA		20 HP Motor Mounting.....	622.92	411.13
	23 05 13 00-0228	EA		25 HP Motor Mounting.....	706.40	411.13
	23 05 13 00-0229	EA		30 HP Motor Mounting.....	856.51	411.13
	23 05 13 00-0230	EA		40 HP Motor Mounting.....	965.09	616.69
	23 05 13 00-0231	EA		50 HP Motor Mounting.....	1,070.64	616.69
	23 05 13 00-0232	EA		75 HP Motor Mounting.....	1,292.85	904.48
	23 05 13 00-0233	EA		100 HP Motor Mounting.....	1,557.29	904.48
	23 05 13 00-0234	EA		125 HP Motor Mounting.....	1,903.35	1,233.37
	23 05 13 00-0235	EA		150 HP Motor Mounting.....	2,210.36	1,233.37
	23 05 13 00-0236	EA		200 HP Motor Mounting.....	2,537.81	1,480.05
	23 05 16			Expansion Fittings And Loops For HVAC Piping <small>(23 05)</small>		
	23 05 16 00-0001			Stainless Steel Bellows Type Expansion Joints <small>(23 05 16)</small>		
				Note: Includes internal sleeves and external covers.		
	23 05 16 00-0002			Threaded Stainless Steel Bellows Type Expansion Joints <small>(23 05 16 00-0001)</small>		
				Note: Pressure rating 150 LB.		
	23 05 16 00-0003	EA		1/2" Threaded Stainless Steel Bellows Type Expansion Joint.....	154.53	65.55
				Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.		
				<i>For 300 LB Rating, Add</i>	5.84	
	23 05 16 00-0004	EA		3/4" Threaded Stainless Steel Bellows Type Expansion Joint.....	173.34	73.93
				Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.		
				<i>For 300 LB Rating, Add</i>	6.39	
	23 05 16 00-0005	EA		1" Threaded Stainless Steel Bellows Type Expansion Joint.....	202.78	84.75
				Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.		
				<i>For 300 LB Rating, Add</i>	8.34	
	23 05 16 00-0006	EA		1-1/4" Threaded Stainless Steel Bellows Type Expansion Joint.....	228.98	94.59
				Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.		
				<i>For 300 LB Rating, Add</i>	10.01	
	23 05 16 00-0007	EA		1-1/2" Threaded Stainless Steel Bellows Type Expansion Joint.....	247.76	101.66
				Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.		
				<i>For 300 LB Rating, Add</i>	11.11	
	23 05 16 00-0008	EA		2" Threaded Stainless Steel Bellows Type Expansion Joint.....	285.86	119.63
				Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.		
				<i>For 300 LB Rating, Add</i>	11.67	
	23 05 16 00-0009			Flanged Stainless Steel Bellows Type Expansion Joints <small>(23 05 16 00-0001)</small>		
				Note: Pressure rating 150 LB.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0010 EA 1-1/4" Flanged Stainless Steel Bellows Type Expansion Joint Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	654.76	59.90
For 300 LB Rating, Add	133.75	
23 05 16 00-0011 EA 1-1/2" Flanged Stainless Steel Bellows Type Expansion Joint Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	690.76	60.35
For 300 LB Rating, Add	142.50	
23 05 16 00-0012 EA 2" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	694.89	62.44
For 300 LB Rating, Add	142.52	
23 05 16 00-0013 EA 2-1/2" Flanged Stainless Steel Bellows Type Expansion Joint Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	748.46	68.06
For 300 LB Rating, Add	153.08	
23 05 16 00-0014 EA 3" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	821.67	80.04
For 300 LB Rating, Add	165.42	
23 05 16 00-0015 EA 4" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,032.08	159.27
For 300 LB Rating, Add	178.43	
23 05 16 00-0016 EA 5" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,391.54	163.90
For 300 LB Rating, Add	266.04	
23 05 16 00-0017 EA 6" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,274.29	181.47
For 300 LB Rating, Add	227.84	
23 05 16 00-0018 EA 8" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,595.06	207.37
For 300 LB Rating, Add	295.33	
23 05 16 00-0019 EA 10" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	2,035.16	254.05
For 300 LB Rating, Add	382.02	
23 05 16 00-0020 EA 12" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	2,689.30	307.90
For 300 LB Rating, Add	518.17	
23 05 16 00-0021 EA 14" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	3,343.45	313.57
For 300 LB Rating, Add	679.04	
23 05 16 00-0022 EA 16" Flanged Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	4,473.99	391.96
For 300 LB Rating, Add	923.08	
23 05 16 00-0023 Butt Weld Stainless Steel Bellows Type Expansion Joints <small>(23 05 16 00-0001)</small> Note: Pressure rating 150 LB.		
23 05 16 00-0024 EA 1-1/4" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	609.35	89.85
For 300 LB Rating, Add	107.43	
23 05 16 00-0025 EA 1-1/2" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	639.02	90.60
For 300 LB Rating, Add	114.45	
23 05 16 00-0026 EA 2" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	645.26	93.60
For 300 LB Rating, Add	114.47	
23 05 16 00-0027 EA 2-1/2" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	696.16	102.05
For 300 LB Rating, Add	122.95	
23 05 16 00-0028 EA 3" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	772.84	120.03
For 300 LB Rating, Add	133.14	
23 05 16 00-0029 EA 4" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,050.78	239.00
For 300 LB Rating, Add	143.32	
23 05 16 00-0030 EA 5" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,345.16	245.85
For 300 LB Rating, Add	213.68	
23 05 16 00-0031 EA 6" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,276.00	272.19
For 300 LB Rating, Add	183.00	
23 05 16 00-0032 EA 8" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,569.96	311.03
For 300 LB Rating, Add	237.20	
23 05 16 00-0033 EA 10" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	1,987.96	381.07
For 300 LB Rating, Add	306.84	
23 05 16 00-0034 EA 12" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	2,588.56	461.93
For 300 LB Rating, Add	416.19	
23 05 16 00-0035 EA 14" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	3,207.00	470.35
For 300 LB Rating, Add	566.52	
23 05 16 00-0036 EA 16" Butt Weld Stainless Steel Bellows Type Expansion Joint..... Note: Carbon steel ends. 150# pressure rating. Includes internal sleeves and external covers.	4,256.60	587.94
For 300 LB Rating, Add	770.12	

23 05 19 Meters And Gages For HVAC Piping (23 05)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0001				Thermometers <small>(23 05 19)</small>		
23 05 19 00-0002				Bi-Metal, Dial Type Thermometers, Steel Case, Brass Stem <small>(23 05 19 00-0001)</small>		
				Note: Various ranges.		
23 05 19 00-0003	EA			Thermometer, 2" Diameter Dial With 4" - 9" Stem Multi-Range, Steel Case And Brass Stem.....	80.92	26.03
23 05 19 00-0004	EA			Thermometer, 2.5" Diameter Dial With 4" - 9" Stem Multi-Range, Steel Case And Brass Stem.....	95.31	26.03
23 05 19 00-0005	EA			Thermometer, 3.5" Diameter Dial With 4" - 9" Stem Multi-Range, Steel Case And Brass Stem.....	95.31	26.03
23 05 19 00-0006				Liquid Filled Industrial Union Connection Type Thermometers <small>(23 05 19 00-0001)</small>		
				Note: Various ranges.		
23 05 19 00-0007	EA			Thermometer, 7" Scale And Angle Stem Industrial With Liquid, Multi Range With Union.....	109.70	26.03
23 05 19 00-0008	EA			Thermometer, 9" Scale And Angle Stem Industrial With Liquid, Multi Range With Union.....	109.70	26.03
23 05 19 00-0009	EA			Thermometer, 12" Scale And Angle Stem Industrial With Liquid, Multi Range With Union.....	139.79	26.03
23 05 19 00-0010	EA			Thermometer, 7" Scale And Straight Stem Industrial With Liquid, Multi Range With Union.....	113.62	26.03
23 05 19 00-0011	EA			Thermometer, 9" Scale And Straight Stem Industrial With Liquid, Multi Range With Union.....	120.16	26.03
23 05 19 00-0012	EA			Thermometer, 12" Scale And Straight Stem Industrial With Liquid, Multi Range With Union.....	143.71	26.03
23 05 19 00-0013				Liquid Filled Industrial Separable Socket Type Thermometers <small>(23 05 19 00-0001)</small>		
				Note: Various ranges.		
23 05 19 00-0014	EA			Thermometer, 7" Scale And Angle Stem, Adjustable, Industrial With Liquid, Multi Range With Socket Connection For Thermowell.....	109.70	26.03
23 05 19 00-0015	EA			Thermometer, 9" Scale And Angle Stem, Adjustable, Industrial With Liquid, Multi Range With Socket Connection For Thermowell.....	109.70	26.03
23 05 19 00-0016	EA			Thermometer, 12" Scale And Angle Stem, Adjustable, Industrial With Liquid, Multi Range With Socket Connection For Thermowell.....	139.79	26.03
23 05 19 00-0017	EA			Thermometer, 7" Scale And Straight Stem Industrial With Liquid, Multi Range With Socket Connection For Thermowell.....	126.70	26.03
23 05 19 00-0018	EA			Thermometer, 9" Scale And Straight Stem Industrial With Liquid, Multi Range With Socket Connection For Thermowell.....	139.79	26.03
23 05 19 00-0019	EA			Thermometer, 12" Scale And Straight Stem Industrial With Liquid, Multi Range With Socket Connection For Thermowell.....	143.12	26.03
23 05 19 00-0020				Thermowell <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021	EA			Thermowell, 4" Long, 1" NPT, 304 Stainless Steel.....	131.34	48.80
23 05 19 00-0022	EA			Thermowell, 8" Long, 1" NPT, 304 Stainless Steel.....	131.28	48.80
23 05 19 00-0023				Pressure Gauges <small>(23 05 19)</small>		
23 05 19 00-0024				Steel Case 0-60 PSI Or 0-100 PSI <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025	EA			2" Diameter Dial Pressure Gauge Steel Case 0-60 PSI Or 0-100 PSI.....	59.20	26.03
23 05 19 00-0026	EA			4" Diameter Dial Pressure Gauge Steel Case 0-60 PSI Or 0-100 PSI.....	66.92	26.03
23 05 19 00-0027				Aluminum Case 0-60 PSI Or 0-100 PSI <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028	EA			3.5" Diameter Dial Pressure Gauge Aluminum Case 0-60 Or 0-100 PSI.....	123.28	26.03
23 05 19 00-0029	EA			4.5" Diameter Dial Pressure Gauge Aluminum Case 0-60 Or 0-100 PSI.....	123.28	26.03
23 05 19 00-0030	EA			6.0" Diameter Dial Pressure Gauge Aluminum Case 0-60 Or 0-100 PSI.....	147.89	26.03
23 05 19 00-0031	EA			8.5" Diameter Dial Pressure Gauge Aluminum Case 0-60 Or 0-100 PSI.....	292.80	26.03
23 05 19 00-0032				Brass Case 0-60 PSI Or 0-100 PSI <small>(23 05 19 00-0023)</small>		
23 05 19 00-0033	EA			2" Diameter Dial Pressure Gauge Brass Case 0-60 Or 0-100 PSI.....	68.80	26.03
23 05 19 00-0034	EA			4.5" Diameter Dial Pressure Gauge Brass Case 0-60 Or 0-100 PSI.....	58.71	26.03
23 05 19 00-0035				Steel Case, High Pressure 0-10 K PSI <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036	EA			4.5" Diameter Dial Pressure Gauge Steel Case High Press 0-10 K PSI.....	335.82	51.24
23 05 19 00-0037	EA			6.5" Diameter Dial Pressure Gauge Steel Case High Press 0-10 K PSI.....	335.82	51.24
23 05 19 00-0038	EA			8.5" Diameter Dial Pressure Gauge Steel Case High Press 0-10 K PSI.....	335.82	51.24
23 05 19 00-0039				Gauge Accessories <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040	EA			Brass Gauge Cock, 1/4" Female Pipe Thread.....	21.25	12.20
23 05 19 00-0041	EA			Brass Gauge Cock, 1/4" Male Pipe Thread.....	19.32	12.20
23 05 19 00-0042	EA			Pigtail, Steam Siphon 1/4".....	20.21	12.20
23 05 19 00-0043	EA			1/4" Thick, 3" Long Black Steel Nipple.....	4.61	4.07
23 05 19 00-0044	EA			Snubber Valve, 1/4" (Air INPT).....	32.69	8.13
23 05 19 00-0045	EA			Thread-O-Let, 1/4" Steel.....	54.63	20.34
23 05 19 00-0046	EA			Union, 1/4" Black Steel.....	28.80	8.13
23 05 19 00-0047	EA			Coupling, 1/4" Black Steel.....	23.41	8.13
23 05 19 00-0048	EA			Plug, 1/4" Black Steel.....	14.66	4.87
23 05 19 00-0049	EA			Cap, 1/4" Black Steel.....	16.57	4.87
23 05 19 00-0050	EA			Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer) For Balancing Hydronic Systems.....	46.55	8.13
23 05 19 00-0051	LF			1/4" Diameter Black Steel Schedule 40 Pipe, Threaded.....	5.14	
23 05 19 00-0052	LF			1/4" Diameter Black Steel Schedule 80 Pipe, Plain End.....	5.00	
23 05 19 00-0053	LF			1/4" Diameter Galvanized Steel, Schedule 40 Pipe, Threaded.....	6.14	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0054 EA Ball Valve, 1/4" Forged Steel, Threaded, 800 LB.....	55.72	
23 05 19 00-0055 Valve Lock Shields (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover.....	58.86	12.44
23 05 19 00-0057 Venturi Flowmeters (23 05 19)		
23 05 19 00-0058 Threaded Brass Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059 EA 3/4" Venturi Flowmeter, Threaded, Brass <i>For Portable Venturi Flow Meter, Add</i>	148.94 995.00	55.30
23 05 19 00-0060 EA 1" Venturi Flowmeter, Threaded, Brass <i>For Portable Venturi Flow Meter, Add</i>	167.34 995.00	66.36
23 05 19 00-0061 EA 1-1/4" Venturi Flowmeter, Threaded, Brass <i>For Portable Venturi Flow Meter, Add</i>	184.86 995.00	73.77
23 05 19 00-0062 EA 1-1/2" Venturi Flowmeter, Threaded, Brass <i>For Portable Venturi Flow Meter, Add</i>	208.27 995.00	82.95
23 05 19 00-0063 EA 2" Venturi Flowmeter, Threaded, Brass <i>For Portable Venturi Flow Meter, Add</i>	245.81 995.00	94.83
23 05 19 00-0064 EA 2-1/2" Venturi Flowmeter, Threaded, Brass <i>For Portable Venturi Flow Meter, Add</i>	340.65 995.00	129.92
23 05 19 00-0065 Butt Weld Carbon Steel Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066 EA 3" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	531.63 995.00 106.46	113.72
23 05 19 00-0067 EA 4" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	708.94 995.00 152.60	136.47
23 05 19 00-0068 EA 5" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	919.13 995.00 202.28	170.58
23 05 19 00-0069 EA 6" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,124.10 995.00 234.22	227.45
23 05 19 00-0070 EA 8" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,569.96 995.00 358.43	272.94
23 05 19 00-0071 EA 10" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,436.47 995.00 613.94	341.18
23 05 19 00-0072 EA 12" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	3,619.35 995.00 929.79	481.42
23 05 19 00-0073 EA 14" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	5,134.99 995.00 1,291.76	722.12
23 05 19 00-0074 EA 16" Venturi Flowmeter, Carbon Steel, Butt Weld <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	7,333.48 995.00 2,005.07	802.35
23 05 19 00-0075 Turbine Flowmeter (23 05 19 00-0057)		
23 05 19 00-0076 EA Saddle Mount Turbine Flowmeter	351.93	61.00
23 05 19 00-0077 Sight Flow Indicator (23 05 19)		
23 05 19 00-0078 Threaded Sight Flow Indicator, Single Sided With Impeller (23 05 19 00-0077) Note: Dwyer; SFI-100.		
23 05 19 00-0079 EA 1/4" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	90.46	11.84
23 05 19 00-0080 EA 3/8" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	94.54	12.45
23 05 19 00-0081 EA 1/2" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	102.08	13.09
23 05 19 00-0082 EA 3/4" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	115.73	17.64
23 05 19 00-0083 EA 1" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	138.45	21.38
23 05 19 00-0084 EA 1-1/4" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	158.35	27.07
23 05 19 00-0085 EA 1-1/2" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	221.02	31.30
23 05 19 00-0086 EA 2" Threaded Sight Flow Indicator, Single Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	245.99	36.99
23 05 19 00-0087 Threaded Sight Flow Indicator, Double Sided With Impeller (23 05 19 00-0077) Note: Dwyer; SFI-300.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0088 EA 1/4" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	115.94	11.84
23 05 19 00-0089 EA 3/8" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	119.45	12.45
23 05 19 00-0090 EA 1/2" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	128.69	13.09
23 05 19 00-0091 EA 3/4" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	138.37	17.64
23 05 19 00-0092 EA 1" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	148.08	21.38
23 05 19 00-0093 EA 1-1/4" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	162.32	27.07
23 05 19 00-0094 EA 1-1/2" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	298.01	31.30
23 05 19 00-0095 EA 2" Threaded Sight Flow Indicator, Double Window, Bronze Body With Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller	320.71	36.99
23 05 19 00-0096 Threaded Sight Flow Indicator, Double Sided With Impeller (23 05 19 00-0077) Note: Dwyer; SFI-300SS.		
23 05 19 00-0097 EA 1/4" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	165.18	11.84
23 05 19 00-0098 EA 3/8" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	174.36	12.45
23 05 19 00-0099 EA 1/2" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	189.25	13.09
23 05 19 00-0100 EA 3/4" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	207.43	17.64
23 05 19 00-0101 EA 1" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	238.64	21.38
23 05 19 00-0102 EA 1-1/4" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	254.58	27.07
23 05 19 00-0103 EA 1-1/2" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	501.78	31.30
23 05 19 00-0104 EA 2" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With Stainless Steel Impeller	530.15	36.99
23 05 19 00-0105 Threaded Sight Flow Indicator, Double Sided With Flapper (23 05 19 00-0077) Note: Dwyer; SFI-360.		
23 05 19 00-0106 EA 1/4" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	114.24	11.84
23 05 19 00-0107 EA 3/8" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	118.88	12.45
23 05 19 00-0108 EA 1/2" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	125.85	13.09
23 05 19 00-0109 EA 3/4" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	137.81	17.64
23 05 19 00-0110 EA 1" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	147.51	21.38
23 05 19 00-0111 EA 1-1/4" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	162.32	27.07
23 05 19 00-0112 EA 1-1/2" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	294.61	31.30
23 05 19 00-0113 EA 2" Threaded Sight Flow Indicator, Double Window, Bronze Body With 304SS Flapper	316.18	36.99
23 05 19 00-0114 Threaded Sight Flow Indicator, Double Sided With Flapper (23 05 19 00-0077) Note: Dwyer; SFI-360SS.		
23 05 19 00-0115 EA 1/4" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	164.05	11.84
23 05 19 00-0116 EA 3/8" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	176.62	12.45
23 05 19 00-0117 EA 1/2" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	192.65	13.09
23 05 19 00-0118 EA 3/4" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	207.43	17.64
23 05 19 00-0119 EA 1" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	238.64	21.38
23 05 19 00-0120 EA 1-1/4" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	256.85	27.07
23 05 19 00-0121 EA 1-1/2" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	501.78	31.30
23 05 19 00-0122 EA 2" Threaded Sight Flow Indicator, Double Window, Stainless Steel Body With 304SS Flapper	530.15	36.99
23 05 19 00-0123 Threaded Sight Flow Indicator, Tube Type Without Indicator (23 05 19 00-0077) Note: Dwyer; SFI-400.		
23 05 19 00-0124 EA 1" Threaded Sight Flow Indicator, Tube Style, Cast Iron Body Without Impeller	243.17	21.38
23 05 19 00-0125 EA 1-1/4" Threaded Sight Flow Indicator, Tube Style, Cast Iron Body Without Impeller	274.96	27.07
23 05 19 00-0126 EA 1-1/2" Threaded Sight Flow Indicator, Tube Style, Cast Iron Body Without Impeller	312.72	31.30
23 05 19 00-0127 EA 2" Threaded Sight Flow Indicator, Tube Style, Cast Iron Body Without Impeller	352.41	36.99
23 05 19 00-0128 Flanged Sight Flow Indicator, Double Window With Flapper (23 05 19 00-0077) Note: Dwyer; SFI-360FCS.		
23 05 19 00-0129 EA 1-1/2" Flanged Sight Flow Indicator, Double Window, Carbon Steel Body With Flapper	538.58	85.36
23 05 19 00-0130 EA 2" Flanged Sight Flow Indicator, Double Window, Carbon Steel Body With Flapper	605.59	108.37
23 05 19 00-0131 EA 3" Flanged Sight Flow Indicator, Double Window, Carbon Steel Body With Flapper	881.79	127.22
23 05 19 00-0132 EA 4" Flanged Sight Flow Indicator, Double Window, Carbon Steel Body With Flapper	1,337.39	213.28
23 05 19 00-0133 EA 6" Flanged Sight Flow Indicator, Double Window, Carbon Steel Body With Flapper	2,176.69	290.23
23 05 19 00-0134 Flanged Sight Flow Indicator, Tube Type Without Indicator (23 05 19 00-0077) Note: Dwyer; SFI-400F.		
23 05 19 00-0135 EA 1" Flanged Sight Flow Indicator, Tube Style, Stainless Steel Body Without Impeller	411.80	60.97
23 05 19 00-0136 EA 1-1/4" Flanged Sight Flow Indicator, Tube Style, Stainless Steel Body Without Impeller	485.74	71.13
23 05 19 00-0137 EA 1-1/2" Flanged Sight Flow Indicator, Tube Style, Stainless Steel Body Without Impeller	526.98	85.36
23 05 19 00-0138 EA 2" Flanged Sight Flow Indicator, Tube Style, Stainless Steel Body Without Impeller	660.78	108.37
23 05 19 00-0139 EA 3" Flanged Sight Flow Indicator, Tube Style, Stainless Steel Body Without Impeller	949.44	127.22
23 05 19 00-0140 EA 4" Flanged Sight Flow Indicator, Tube Style, Stainless Steel Body Without Impeller	1,410.69	213.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23			General-Duty Valves For HVAC Piping ^(23 05)		
23 05 23 00-0001			Gate Valves ^(23 05 23)		
23 05 23 00-0002			Bronze Gate Valves For Threaded, Brazed Or Soldered Installation ^(23 05 23 00-0001) Note: 125 LB.		
23 05 23 00-0003	EA		1/4" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....34.72	34.72	8.12
			For 150 LB Rating, Add	1.11	
			For 200 LB Rating, Add	1.66	
			For 250 LB Rating, Add	2.76	
			For 300 LB Rating, Add	3.87	
			For Work In Restricted Working Space, Add	7.10	
23 05 23 00-0004	EA		3/8" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....35.97	35.97	8.12
			For 150 LB Rating, Add	1.11	
			For 200 LB Rating, Add	1.66	
			For 250 LB Rating, Add	2.76	
			For 300 LB Rating, Add	3.87	
			For Work In Restricted Working Space, Add	7.48	
23 05 23 00-0005	EA		1/2" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....37.28	37.28	8.12
			For 150 LB Rating, Add	1.11	
			For 200 LB Rating, Add	1.66	
			For 250 LB Rating, Add	2.76	
			For 300 LB Rating, Add	3.87	
			For Work In Restricted Working Space, Add	7.87	
23 05 23 00-0006	EA		3/4" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....48.54	48.54	8.94
			For 150 LB Rating, Add	1.32	
			For 200 LB Rating, Add	1.98	
			For 250 LB Rating, Add	3.30	
			For 300 LB Rating, Add	4.62	
			For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0007	EA		1" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....62.71	62.71	10.16
			For 150 LB Rating, Add	1.99	
			For 200 LB Rating, Add	2.99	
			For 250 LB Rating, Add	4.98	
			For 300 LB Rating, Add	6.97	
			For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0008	EA		1-1/4" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....81.06	81.06	10.81
			For 150 LB Rating, Add	2.69	
			For 200 LB Rating, Add	4.03	
			For 250 LB Rating, Add	6.72	
			For 300 LB Rating, Add	9.40	
			For Work In Restricted Working Space, Add	16.26	
23 05 23 00-0009	EA		1-1/2" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....96.38	96.38	12.52
			For 150 LB Rating, Add	3.39	
			For 200 LB Rating, Add	5.08	
			For 250 LB Rating, Add	8.46	
			For 300 LB Rating, Add	11.85	
			For Work In Restricted Working Space, Add	18.76	
23 05 23 00-0010	EA		2" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....120.15	120.15	14.80
			For 150 LB Rating, Add	4.62	
			For 200 LB Rating, Add	6.94	
			For 250 LB Rating, Add	11.56	
			For 300 LB Rating, Add	16.18	
			For Work In Restricted Working Space, Add	22.17	
23 05 23 00-0011	EA		2-1/2" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....231.67	231.67	19.98
			For 150 LB Rating, Add	13.19	
			For 200 LB Rating, Add	19.78	
			For 250 LB Rating, Add	32.97	
			For 300 LB Rating, Add	46.16	
			For Chain Operated Type, Add	59.35	
			For Work In Restricted Working Space, Add	29.93	
23 05 23 00-0012	EA		3" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....272.78	272.78	23.20
			For 150 LB Rating, Add	15.77	
			For 200 LB Rating, Add	23.65	
			For 250 LB Rating, Add	39.41	
			For 300 LB Rating, Add	55.18	
			For Chain Operated Type, Add	70.94	
			For Work In Restricted Working Space, Add	34.54	
23 05 23 00-0013	EA		4" Gate Valve, Bronze, Threaded, 125 LB, Brazed Or Soldered .....506.54	506.54	26.19
			For 150 LB Rating, Add	37.56	
			For 200 LB Rating, Add	56.34	
			For 250 LB Rating, Add	93.90	
			For 300 LB Rating, Add	131.45	
			For Chain Operated Type, Add	169.01	
			For Work In Restricted Working Space, Add	39.29	
23 05 23 00-0014			Bronze Flanged Gate Valves, 150 LB. ^(23 05 23 00-0001)		
23 05 23 00-0015	EA		1" Gate Valve, Bronze, Flanged, 150 LB .....171.37	171.37	60.97
			For 250 LB Rating, Add	14.20	
			For 300 LB Rating, Add	23.67	
			For Chain Operated Type, Add	42.60	
			For Work In Restricted Working Space, Add	23.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0016 EA 1-1/4" Gate Valve, Bronze, Flanged, 150 LB.....	220.39	71.13
<i>For 250 LB Rating, Add</i>	19.80	
<i>For 300 LB Rating, Add</i>	33.01	
<i>For Chain Operated Type, Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	26.51	
23 05 23 00-0017 EA 1-1/2" Gate Valve, Bronze, Flanged, 150 LB.....	259.09	85.36
<i>For 250 LB Rating, Add</i>	22.82	
<i>For 300 LB Rating, Add</i>	38.03	
<i>For Chain Operated Type, Add</i>	68.45	
<i>For Work In Restricted Working Space, Add</i>	32.09	
23 05 23 00-0018 EA 2" Gate Valve, Bronze, Flanged, 150 LB.....	382.66	108.37
<i>For 250 LB Rating, Add</i>	37.08	
<i>For 300 LB Rating, Add</i>	61.79	
<i>For Chain Operated Type, Add</i>	111.23	
<i>For Work In Restricted Working Space, Add</i>	40.65	
23 05 23 00-0019 EA 2-1/2" Gate Valve, Bronze, Flanged, 150 LB.....	461.76	108.51
<i>For 250 LB Rating, Add</i>	48.86	
<i>For 300 LB Rating, Add</i>	81.43	
<i>For Chain Operated Type, Add</i>	146.57	
<i>For Work In Restricted Working Space, Add</i>	40.82	
23 05 23 00-0020 EA 3" Gate Valve, Bronze, Flanged, 150 LB.....	553.52	127.22
<i>For 250 LB Rating, Add</i>	59.14	
<i>For 300 LB Rating, Add</i>	98.57	
<i>For Chain Operated Type, Add</i>	177.43	
<i>For Work In Restricted Working Space, Add</i>	47.77	
23 05 23 00-0021 Iron Body, Bronze Trim, Threaded Gate Valves, 125 LB <small>(23 05 23 00-0001)</small>		
23 05 23 00-0022 EA 1-1/2" Gate Valve, Iron Body, Threaded, 125 LB, Bronze Trim.....	91.41	12.52
<i>For 150 LB Rating, Add</i>	5.78	
<i>For 250 LB Rating, Add</i>	10.11	
<i>For Chain Operated Type, Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	18.76	
23 05 23 00-0023 EA 2" Gate Valve, Iron Body, Threaded, 125 LB, Bronze Trim.....	184.21	14.80
<i>For 150 LB Rating, Add</i>	22.06	
<i>For 250 LB Rating, Add</i>	38.61	
<i>For Chain Operated Type, Add</i>	38.61	
<i>For Work In Restricted Working Space, Add</i>	22.17	
23 05 23 00-0024 EA 2-1/2" Gate Valve, Iron Body, Threaded, 125 LB, Bronze Trim.....	265.68	19.98
<i>For 150 LB Rating, Add</i>	33.18	
<i>For 250 LB Rating, Add</i>	58.07	
<i>For Chain Operated Type, Add</i>	58.07	
<i>For Work In Restricted Working Space, Add</i>	29.93	
23 05 23 00-0025 EA 3" Gate Valve, Iron Body, Threaded, 125 LB, Bronze Trim.....	332.80	23.20
<i>For 150 LB Rating, Add</i>	43.53	
<i>For 250 LB Rating, Add</i>	76.18	
<i>For Chain Operated Type, Add</i>	76.18	
<i>For Work In Restricted Working Space, Add</i>	34.54	
23 05 23 00-0026 EA 4" Gate Valve, Iron Body, Threaded, 125 LB, Bronze Trim.....	716.89	26.19
<i>For 150 LB Rating, Add</i>	117.19	
<i>For 250 LB Rating, Add</i>	205.08	
<i>For Chain Operated Type, Add</i>	205.08	
<i>For Work In Restricted Working Space, Add</i>	39.29	
23 05 23 00-0027 Iron Body, Bronze Trim, Flanged Gate Valves, 125 LB <small>(23 05 23 00-0001)</small>		
Note: Non-rising stem.		
23 05 23 00-0028 EA 1-1/2" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	266.04	85.36
<i>For 150 LB Rating, Add</i>	46.13	
<i>For 250 LB Rating, Add</i>	79.54	
<i>For 300 LB Rating, ASTM A182, Add</i>	212.56	
<i>For Chain Operated Type, Add</i>	79.54	
<i>For Work In Restricted Working Space, Add</i>	32.09	
23 05 23 00-0029 EA 2" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	301.85	108.37
<i>For 150 LB Rating, Add</i>	48.24	
<i>For 250 LB Rating, Add</i>	83.18	
<i>For 300 LB Rating, ASTM A182, Add</i>	234.11	
<i>For Chain Operated Type, Add</i>	83.18	
<i>For Work In Restricted Working Space, Add</i>	40.65	
23 05 23 00-0030 EA 2-1/2" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	335.67	108.51
<i>For 150 LB Rating, Add</i>	57.89	
<i>For 250 LB Rating, Add</i>	99.81	
<i>For 300 LB Rating, ASTM A182, Add</i>	267.64	
<i>For Chain Operated Type, Add</i>	99.81	
<i>For Work In Restricted Working Space, Add</i>	40.82	
23 05 23 00-0031 EA 3" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	408.72	127.22
<i>For 150 LB Rating, Add</i>	72.35	
<i>For 250 LB Rating, Add</i>	124.75	
<i>For 300 LB Rating, ASTM A182, Add</i>	329.11	
<i>For Chain Operated Type, Add</i>	124.75	
<i>For Work In Restricted Working Space, Add</i>	47.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0032 EA 4" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	599.95	213.28
For 150 LB Rating, Add	96.48	
For 250 LB Rating, Add	166.34	
For 300 LB Rating, ASTM A182, Add	466.32	
For Chain Operated Type, Add	166.34	
For Work In Restricted Working Space, Add	80.18	
23 05 23 00-0033 EA 5" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	760.11	261.20
For 150 LB Rating, Add	125.41	
For 250 LB Rating, Add	216.22	
For 300 LB Rating, ASTM A182, Add	596.28	
For Chain Operated Type, Add	216.22	
For Work In Restricted Working Space, Add	98.30	
23 05 23 00-0034 EA 6" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	894.96	290.23
For 150 LB Rating, Add	154.33	
For 250 LB Rating, Add	266.09	
For 300 LB Rating, ASTM A182, Add	713.57	
For Chain Operated Type, Add	266.09	
For Work In Restricted Working Space, Add	108.83	
23 05 23 00-0035 EA 8" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	1,296.15	333.76
For 150 LB Rating, Add	255.65	
For 250 LB Rating, Add	440.78	
For 300 LB Rating, ASTM A182, Add	1,088.85	
For Chain Operated Type, Add	440.78	
For Work In Restricted Working Space, Add	124.38	
23 05 23 00-0036 EA 10" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	1,672.12	406.32
For 150 LB Rating, Add	337.63	
For 250 LB Rating, Add	582.12	
For 300 LB Rating, ASTM A182, Add	1,418.18	
For Chain Operated Type, Add	582.12	
For Work In Restricted Working Space, Add	152.37	
23 05 23 00-0037 EA 12" Gate Valve, Iron Body, Flanged, 125 LB, Bronze Trim, With Non Rising Stem.....	2,278.91	493.38
For 150 LB Rating, Add	482.35	
For 250 LB Rating, Add	831.64	
For 300 LB Rating, ASTM A182, Add	1,971.10	
For Chain Operated Type, Add	831.64	
For Work In Restricted Working Space, Add	184.69	
23 05 23 00-0038 Iron Body, Outside Stem And Yoke, Threaded Gate Valves, 125 LB, Bronze Trim (23 05 23 00-0001)		
23 05 23 00-0039 EA 1-1/2" Gate Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	222.54	12.52
For 175 LB Rating, Add	80.01	
For 250 LB Rating, Add	120.01	
For Work In Restricted Working Space, Add	18.76	
23 05 23 00-0040 EA 2" Gate Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	280.77	14.80
For 175 LB Rating, Add	103.43	
For 250 LB Rating, Add	155.15	
For Work In Restricted Working Space, Add	22.17	
23 05 23 00-0041 EA 2-1/2" Gate Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	333.03	19.98
For 175 LB Rating, Add	116.63	
For 250 LB Rating, Add	174.94	
For Work In Restricted Working Space, Add	29.93	
23 05 23 00-0042 EA 3" Gate Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	372.50	23.20
For 175 LB Rating, Add	128.69	
For 250 LB Rating, Add	193.03	
For Work In Restricted Working Space, Add	34.54	
23 05 23 00-0043 EA 4" Gate Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	486.36	26.19
For 175 LB Rating, Add	177.70	
For 250 LB Rating, Add	266.55	
For Work In Restricted Working Space, Add	39.29	
23 05 23 00-0044 Iron Body, Outside Stem And Yoke, Flanged Gate Valves, 125 LB, Bronze Trim (23 05 23 00-0001)		
23 05 23 00-0045 EA 1-1/2" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB.....	336.28	85.36
For 150 LB Rating, Add	34.40	
For 175 LB Rating, Add	71.09	
For 250 LB Rating, Add	149.05	
For Chain Operated Type, Add	114.66	
For Work In Restricted Working Space, Add	32.09	
23 05 23 00-0046 EA 2" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB.....	371.62	108.37
For 150 LB Rating, Add	35.42	
For 175 LB Rating, Add	73.20	
For 250 LB Rating, Add	153.48	
For Chain Operated Type, Add	118.07	
For Work In Restricted Working Space, Add	40.65	
23 05 23 00-0047 EA 2-1/2" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB.....	379.89	108.51
For 150 LB Rating, Add	36.57	
For 175 LB Rating, Add	75.59	
For 250 LB Rating, Add	158.49	
For Chain Operated Type, Add	121.92	
For Work In Restricted Working Space, Add	40.82	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Common Work Results For HVAC	23 05
General-Duty Valves For HVAC Piping	23 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0048 EA 3" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	427.51	127.22
<i>For 150 LB Rating, Add</i>	40.24	
<i>For 175 LB Rating, Add</i>	83.17	
<i>For 250 LB Rating, Add</i>	174.38	
<i>For Chain Operated Type, Add</i>	134.14	
<i>For Work In Restricted Working Space, Add</i>	47.77	
23 05 23 00-0049 EA 4" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	592.63	213.28
<i>For 150 LB Rating, Add</i>	48.80	
<i>For 175 LB Rating, Add</i>	100.86	
<i>For 250 LB Rating, Add</i>	211.48	
<i>For Chain Operated Type, Add</i>	162.68	
<i>For Work In Restricted Working Space, Add</i>	80.18	
23 05 23 00-0050 EA 5" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	781.61	261.20
<i>For 150 LB Rating, Add</i>	68.09	
<i>For 175 LB Rating, Add</i>	140.72	
<i>For 250 LB Rating, Add</i>	295.06	
<i>For Chain Operated Type, Add</i>	226.97	
<i>For Work In Restricted Working Space, Add</i>	98.30	
23 05 23 00-0051 EA 6" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	881.20	290.23
<i>For 150 LB Rating, Add</i>	77.76	
<i>For 175 LB Rating, Add</i>	160.71	
<i>For 250 LB Rating, Add</i>	336.97	
<i>For Chain Operated Type, Add</i>	259.21	
<i>For Work In Restricted Working Space, Add</i>	108.83	
23 05 23 00-0052 EA 8" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	1,291.39	333.76
<i>For 150 LB Rating, Add</i>	131.52	
<i>For 175 LB Rating, Add</i>	271.80	
<i>For 250 LB Rating, Add</i>	569.91	
<i>For Chain Operated Type, Add</i>	438.40	
<i>For Work In Restricted Working Space, Add</i>	124.38	
23 05 23 00-0053 EA 10" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	1,857.26	406.32
<i>For 150 LB Rating, Add</i>	202.41	
<i>For 175 LB Rating, Add</i>	418.30	
<i>For 250 LB Rating, Add</i>	877.09	
<i>For Chain Operated Type, Add</i>	674.69	
<i>For Work In Restricted Working Space, Add</i>	152.37	
23 05 23 00-0054 EA 12" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	2,325.85	493.38
<i>For 150 LB Rating, Add</i>	256.53	
<i>For 175 LB Rating, Add</i>	530.17	
<i>For 250 LB Rating, Add</i>	1,111.64	
<i>For Chain Operated Type, Add</i>	855.11	
<i>For Work In Restricted Working Space, Add</i>	184.69	
23 05 23 00-0055 EA 14" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	4,451.87	603.63
<i>For 150 LB Rating, Add</i>	547.05	
<i>For 175 LB Rating, Add</i>	1,130.58	
<i>For 250 LB Rating, Add</i>	2,370.57	
<i>For Work In Restricted Working Space, Add</i>	241.45	
23 05 23 00-0056 EA 16" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	5,736.24	708.26
<i>For 150 LB Rating, Add</i>	727.64	
<i>For 175 LB Rating, Add</i>	1,503.78	
<i>For 250 LB Rating, Add</i>	3,153.09	
<i>For Work In Restricted Working Space, Add</i>	265.60	
23 05 23 00-0057 EA 18" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	7,775.05	788.75
<i>For 150 LB Rating, Add</i>	1,018.70	
<i>For 175 LB Rating, Add</i>	2,105.32	
<i>For 250 LB Rating, Add</i>	4,414.38	
<i>For Work In Restricted Working Space, Add</i>	295.11	
23 05 23 00-0058 EA 20" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	9,837.07	885.33
<i>For 150 LB Rating, Add</i>	1,309.56	
<i>For 175 LB Rating, Add</i>	2,706.43	
<i>For 250 LB Rating, Add</i>	5,674.77	
<i>For Work In Restricted Working Space, Add</i>	332.00	
23 05 23 00-0059 EA 24" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	13,405.84	1,086.53
<i>For 150 LB Rating, Add</i>	1,806.57	
<i>For 175 LB Rating, Add</i>	3,733.58	
<i>For 250 LB Rating, Add</i>	7,828.47	
<i>For Work In Restricted Working Space, Add</i>	408.61	
23 05 23 00-0060 EA 30" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	27,806.39	1,770.65
<i>For 150 LB Rating, Add</i>	3,838.96	
<i>For 175 LB Rating, Add</i>	7,933.85	
<i>For 250 LB Rating, Add</i>	16,635.50	
<i>For Work In Restricted Working Space, Add</i>	663.99	
23 05 23 00-0061 EA 36" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	35,469.35	2,414.53
<i>For 150 LB Rating, Add</i>	4,877.74	
<i>For 175 LB Rating, Add</i>	10,080.66	
<i>For 250 LB Rating, Add</i>	21,136.87	
<i>For Work In Restricted Working Space, Add</i>	885.33	
23 05 23 00-0062 EA 42" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	42,364.59	3,541.30
<i>For 150 LB Rating, Add</i>	5,690.70	
<i>For 175 LB Rating, Add</i>	11,760.77	
<i>For 250 LB Rating, Add</i>	24,659.68	
<i>For Work In Restricted Working Space, Add</i>	1,327.99	
23 05 23 00-0063 EA 48" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	51,032.08	4,426.62
<i>For 150 LB Rating, Add</i>	6,824.82	
<i>For 175 LB Rating, Add</i>	14,104.63	
<i>For 250 LB Rating, Add</i>	29,574.22	
<i>For Work In Restricted Working Space, Add</i>	1,659.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0064 EA 5/4" Gate Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	61,245.15	5,311.95
For 150 LB Rating, Add	8,189.78	
For 175 LB Rating, Add	16,925.55	
For 250 LB Rating, Add	35,489.06	
For Work In Restricted Working Space, Add	1,993.98	
23 05 23 00-0065 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Outside Stem And Yoke Gate Valves (23 05 23 00-0001) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0066 EA 1/4" Gate Valve, Forged Steel, Screwed, Outside Stem And Yoke	69.53	13.09
For Work In Restricted Working Space, Add	7.10	
23 05 23 00-0067 EA 1/2" Gate Valve, Forged Steel, Screwed, Outside Stem And Yoke	72.09	13.09
For Work In Restricted Working Space, Add	7.87	
23 05 23 00-0068 EA 3/4" Gate Valve, Forged Steel, Screwed, Outside Stem And Yoke	87.36	17.64
For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0069 EA 1" Gate Valve, Forged Steel, Screwed, Outside Stem And Yoke	105.99	21.38
For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0070 EA 1-1/4" Gate Valve, Forged Steel, Screwed, Outside Stem And Yoke	156.16	27.07
For Work In Restricted Working Space, Add	16.26	
23 05 23 00-0071 EA 1-1/2" Gate Valve, Forged Steel, Screwed, Outside Stem And Yoke	183.89	31.30
For Work In Restricted Working Space, Add	18.76	
23 05 23 00-0072 EA 2" Gate Valve, Forged Steel, Screwed, Outside Stem And Yoke	228.82	36.99
For Work In Restricted Working Space, Add	22.17	
23 05 23 00-0073 Ball Valves (23 05 23) See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0074 Threaded Or Sweated Ball Valve, Brass Body, 125 LB, Carbon Steel Trim (23 05 23 00-0073) Note: Regular port.		
23 05 23 00-0075 EA 1/2" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	31.61	8.12
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	2.42	
For Work In Restricted Working Space, Add	7.87	
23 05 23 00-0076 EA 3/4" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	43.62	8.94
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	3.72	
For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0077 EA 1" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	53.96	10.16
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	5.03	
For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0078 EA 1-1/4" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	72.95	10.81
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	8.44	
For Work In Restricted Working Space, Add	16.26	
23 05 23 00-0079 EA 1-1/2" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	86.48	12.52
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	10.78	
For Work In Restricted Working Space, Add	18.76	
23 05 23 00-0080 EA 2" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	103.91	14.80
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	13.50	
For Work In Restricted Working Space, Add	22.17	
23 05 23 00-0081 EA 2-1/2" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	241.36	19.98
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	63.71	
For Work In Restricted Working Space, Add	29.93	
23 05 23 00-0082 EA 3" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	278.49	23.20
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	73.51	
For Work In Restricted Working Space, Add	34.54	
23 05 23 00-0083 EA 4" Ball Valve, Brass Body, Threaded Or Sweated, 125 LB, Regular Port	353.67	26.19
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	100.22	
For Work In Restricted Working Space, Add	39.29	
23 05 23 00-0084 Flanged Ball Valves, Carbon Steel Body, 150 LB, Full Port (23 05 23 00-0073)		
23 05 23 00-0085 EA 4" Ball Valve, Flanged, 150 LB, Carbon Steel Trim	872.60	213.28
For Work In Restricted Working Space, Add	80.18	
23 05 23 00-0086 EA 6" Ball Valve, Flanged, 150 LB, Carbon Steel Trim	1,477.28	290.23
For Work In Restricted Working Space, Add	108.83	
23 05 23 00-0087 EA 8" Ball Valve, Flanged, 150 LB, Carbon Steel Trim	3,037.90	333.76
For Work In Restricted Working Space, Add	124.38	
23 05 23 00-0088 Polyvinyl Chloride (PVC) Ball Valves, 150 LB, Socket Weld End Connections (23 05 23 00-0073)		
23 05 23 00-0089 EA 1/2" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	28.94	8.12
For True Union Socket Or Thread Type, Add	2.46	
For Work In Restricted Working Space, Add	7.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0090 EA 3/4" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.47 3.10 10.61	8.94
23 05 23 00-0091 EA 1" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.14 3.99 12.84	10.16
23 05 23 00-0092 EA 1-1/4" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.91 5.13 16.26	10.81
23 05 23 00-0093 EA 1-1/2" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.47 7.26 18.76	12.52
23 05 23 00-0094 EA 2" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.58 8.95 22.17	14.80
23 05 23 00-0095 EA 2-1/2" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.04 16.14 29.93	19.98
23 05 23 00-0096 EA 3" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.48 24.58 34.54	23.20
23 05 23 00-0097 EA 4" Ball Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.59 42.33 39.29	26.19
23 05 23 00-0098 Carbon Steel Body, Screwed, Full Port, Ball Valves <small>(23 05 23 00-0073)</small>		
23 05 23 00-0099 EA 1/4" Ball Valve, Carbon Steel Body, Screwed..... <i>For Work In Restricted Working Space, Add</i>	33.97 7.10	8.12
23 05 23 00-0100 EA 1/2" Ball Valve, Carbon Steel Body, Screwed..... <i>For Work In Restricted Working Space, Add</i>	37.41 7.87	8.12
23 05 23 00-0101 EA 3/4" Ball Valve, Carbon Steel Body, Screwed..... <i>For Work In Restricted Working Space, Add</i>	51.51 10.61	8.94
23 05 23 00-0102 EA 1" Ball Valve, Carbon Steel Body, Screwed..... <i>For Work In Restricted Working Space, Add</i>	64.53 12.84	10.16
23 05 23 00-0103 EA 1-1/4" Ball Valve, Carbon Steel Body, Screwed <i>For Work In Restricted Working Space, Add</i>	91.35 16.26	10.81
23 05 23 00-0104 EA 1-1/2" Ball Valve, Carbon Steel Body, Screwed <i>For Work In Restricted Working Space, Add</i>	109.59 18.76	12.52
23 05 23 00-0105 EA 2" Ball Valve, Carbon Steel Body, Screwed..... <i>For Work In Restricted Working Space, Add</i>	176.14 22.17	14.80
23 05 23 00-0106 Threaded Or Sweated Ball Valve, Brass Body, 125 LB, 3-Way, Carbon Steel Trim <small>(23 05 23 00-0073)</small>		
<i>Note: Regular port.</i>		
23 05 23 00-0107 EA 1/4" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.69 7.28 10.65	12.19
23 05 23 00-0108 EA 3/8" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.56 7.28 11.21	12.19
23 05 23 00-0109 EA 1/2" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.52 7.28 11.80	12.19
23 05 23 00-0110 EA 3/4" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.18 7.72 15.91	13.41
23 05 23 00-0111 EA 1" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.59 11.43 19.25	15.24
23 05 23 00-0112 EA 1-1/4" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.08 15.65 24.39	16.22
23 05 23 00-0113 EA 1-1/2" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.05 20.81 28.14	18.78
23 05 23 00-0114 EA 2" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.12 33.87 33.26	22.19
23 05 23 00-0115 EA 2-1/2" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.32 82.19 44.90	29.98
23 05 23 00-0116 EA 3" 3-Way Ball Valve, Brass Body, Threaded, 125 LB, Regular Port <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	462.74 130.51 51.81	34.80
23 05 23 00-0117 Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0118 Bronze Globe Valves, Threaded, Brazed Or Soldered Installation, 125 LB <small>(23 05 23 00-0117)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0119 EA 1/8" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	38.81	8.12
For 150 LB Rating, Add	3.90	
For 200 LB Rating, Add	4.78	
For 250 LB Rating, Add	5.66	
For 300 LB Rating, Add	6.92	
For Work In Restricted Working Space, Add	7.87	
23 05 23 00-0120 EA 1/4" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	36.25	8.12
For 150 LB Rating, Add	3.90	
For 200 LB Rating, Add	4.78	
For 250 LB Rating, Add	5.66	
For 300 LB Rating, Add	6.92	
For Work In Restricted Working Space, Add	7.10	
23 05 23 00-0121 EA 3/8" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	43.70	8.12
For 150 LB Rating, Add	5.82	
For 200 LB Rating, Add	7.14	
For 250 LB Rating, Add	8.45	
For 300 LB Rating, Add	10.33	
For Work In Restricted Working Space, Add	7.48	
23 05 23 00-0122 EA 1/2" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	45.01	8.12
For 150 LB Rating, Add	5.82	
For 200 LB Rating, Add	7.14	
For 250 LB Rating, Add	8.45	
For 300 LB Rating, Add	10.33	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	31.15	
For Work In Restricted Working Space, Add	7.87	
23 05 23 00-0123 EA 3/4" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	55.71	8.54
For 150 LB Rating, Add	6.31	
For 200 LB Rating, Add	7.74	
For 250 LB Rating, Add	9.16	
For 300 LB Rating, Add	11.20	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	36.54	
For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0124 EA 1" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	70.30	8.54
For 150 LB Rating, Add	8.53	
For 200 LB Rating, Add	10.45	
For 250 LB Rating, Add	12.38	
For 300 LB Rating, Add	15.13	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	47.38	
For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0125 EA 1-1/4" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	101.72	10.81
For 150 LB Rating, Add	14.73	
For 200 LB Rating, Add	18.06	
For 250 LB Rating, Add	21.38	
For 300 LB Rating, Add	26.14	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	73.95	
For Work In Restricted Working Space, Add	16.26	
23 05 23 00-0126 EA 1-1/2" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	130.44	12.52
For 150 LB Rating, Add	21.05	
For 200 LB Rating, Add	25.81	
For 250 LB Rating, Add	30.56	
For 300 LB Rating, Add	37.35	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	99.71	
For Work In Restricted Working Space, Add	18.76	
23 05 23 00-0127 EA 2" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	153.74	14.80
For 150 LB Rating, Add	24.75	
For 200 LB Rating, Add	30.34	
For 250 LB Rating, Add	35.92	
For 300 LB Rating, Add	43.91	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	117.38	
For Work In Restricted Working Space, Add	22.17	
23 05 23 00-0128 EA 2-1/2" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	180.27	19.98
For 150 LB Rating, Add	24.95	
For 200 LB Rating, Add	30.59	
For 250 LB Rating, Add	36.22	
For 300 LB Rating, Add	44.27	
For Work In Restricted Working Space, Add	29.93	
23 05 23 00-0129 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	295.46	23.20
For 150 LB Rating, Add	55.90	
For 200 LB Rating, Add	68.53	
For 250 LB Rating, Add	81.15	
For 300 LB Rating, Add	99.18	
For Work In Restricted Working Space, Add	34.54	
23 05 23 00-0130 Iron Body, Threaded Globe Valves Outside Stem And Yoke, 125 LB <small>(23 05 23 00-0117)</small>		
23 05 23 00-0131 EA 2" Globe Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	214.17	14.80
For 150 LB Rating, Add	43.48	
For 200 LB Rating, Add	53.30	
For 250 LB Rating, Add	63.12	
For 300 LB Rating, Add	77.14	
For Chain Operated Type, Add	117.12	
For Work In Restricted Working Space, Add	22.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0132 EA 2-1/2" Globe Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	269.79	19.98
<i>For 150 LB Rating, Add</i>	52.70	
<i>For 200 LB Rating, Add</i>	64.60	
<i>For 250 LB Rating, Add</i>	76.50	
<i>For 300 LB Rating, Add</i>	93.51	
<i>For Chain Operated Type, Add</i>	141.96	
<i>For Work In Restricted Working Space, Add</i>	29.93	
23 05 23 00-0133 EA 3" Globe Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	319.15	23.20
<i>For 150 LB Rating, Add</i>	63.25	
<i>For 200 LB Rating, Add</i>	77.53	
<i>For 250 LB Rating, Add</i>	91.81	
<i>For 300 LB Rating, Add</i>	112.21	
<i>For Chain Operated Type, Add</i>	170.36	
<i>For Work In Restricted Working Space, Add</i>	34.54	
23 05 23 00-0134 EA 4" Globe Valve, Iron Body, Threaded, Outside Stem And Yoke, 125 LB.....	402.95	26.19
<i>For 150 LB Rating, Add</i>	84.33	
<i>For 200 LB Rating, Add</i>	103.37	
<i>For 250 LB Rating, Add</i>	122.41	
<i>For 300 LB Rating, Add</i>	149.61	
<i>For Chain Operated Type, Add</i>	227.14	
<i>For Work In Restricted Working Space, Add</i>	39.28	
23 05 23 00-0135 Iron Body, Flanged Globe Valves Outside Stem And Yoke, 125 LB <small>(23 05 23 00-0117)</small>		
23 05 23 00-0136 EA 2" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	271.77	108.37
<i>For 150 LB Rating, Add</i>	42.25	
<i>For 250 LB Rating, Add</i>	61.33	
<i>For Chain Operated Type, Add</i>	68.14	
<i>For Work In Restricted Working Space, Add</i>	40.65	
23 05 23 00-0137 EA 2-1/2" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	302.19	108.51
<i>For 150 LB Rating, Add</i>	51.50	
<i>For 250 LB Rating, Add</i>	74.76	
<i>For Chain Operated Type, Add</i>	83.07	
<i>For Work In Restricted Working Space, Add</i>	40.82	
23 05 23 00-0138 EA 3" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	358.59	127.22
<i>For 150 LB Rating, Add</i>	61.80	
<i>For 250 LB Rating, Add</i>	89.71	
<i>For Chain Operated Type, Add</i>	99.68	
<i>For Work In Restricted Working Space, Add</i>	47.77	
23 05 23 00-0139 EA 4" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	499.67	213.28
<i>For 150 LB Rating, Add</i>	82.40	
<i>For 250 LB Rating, Add</i>	119.61	
<i>For Chain Operated Type, Add</i>	132.91	
<i>For Work In Restricted Working Space, Add</i>	70.16	
23 05 23 00-0140 EA 5" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	697.31	261.20
<i>For 150 LB Rating, Add</i>	114.59	
<i>For 250 LB Rating, Add</i>	166.34	
<i>For Chain Operated Type, Add</i>	184.82	
<i>For Work In Restricted Working Space, Add</i>	98.30	
23 05 23 00-0141 EA 6" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	830.03	290.23
<i>For 150 LB Rating, Add</i>	144.85	
<i>For 250 LB Rating, Add</i>	210.26	
<i>For Chain Operated Type, Add</i>	233.63	
<i>For Work In Restricted Working Space, Add</i>	108.83	
23 05 23 00-0142 EA 8" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	1,133.12	333.76
<i>For 150 LB Rating, Add</i>	222.74	
<i>For 250 LB Rating, Add</i>	323.33	
<i>For Chain Operated Type, Add</i>	359.26	
<i>For Work In Restricted Working Space, Add</i>	124.38	
23 05 23 00-0143 EA 10" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	1,602.28	406.32
<i>For 150 LB Rating, Add</i>	339.26	
<i>For 250 LB Rating, Add</i>	492.48	
<i>For Chain Operated Type, Add</i>	547.20	
<i>For Work In Restricted Working Space, Add</i>	152.37	
23 05 23 00-0144 EA 12" Globe Valve, Iron Body, Flanged, Outside Stem And Yoke, 125 LB	2,686.52	493.38
<i>For 150 LB Rating, Add</i>	641.98	
<i>For 250 LB Rating, Add</i>	931.90	
<i>For Chain Operated Type, Add</i>	1,035.45	
<i>For Work In Restricted Working Space, Add</i>	184.69	
23 05 23 00-0145 Bronze Angle Globe Valves, Threaded, Brazed Or Soldered Connection <small>(23 05 23 00-0117)</small>		
<i>Note: 125 LB.</i>		
23 05 23 00-0146 EA 1/8" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	35.76	8.12
<i>For 150 LB Rating, Add</i>	2.95	
<i>For 200 LB Rating, Add</i>	3.62	
<i>For 300 LB Rating, Add</i>	5.24	
<i>For Work In Restricted Working Space, Add</i>	7.87	
23 05 23 00-0147 EA 1/4" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	33.20	8.12
<i>For 150 LB Rating, Add</i>	2.95	
<i>For 200 LB Rating, Add</i>	3.62	
<i>For 300 LB Rating, Add</i>	5.24	
<i>For Work In Restricted Working Space, Add</i>	7.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0148	EA		3/8" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	34.45	8.12
			<i>For 150 LB Rating, Add</i>	2.95	
			<i>For 200 LB Rating, Add</i>	3.62	
			<i>For 300 LB Rating, Add</i>	5.24	
			<i>For Work In Restricted Working Space, Add</i>	7.48	
23 05 23 00-0149	EA		1/2" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	36.40	8.12
			<i>For 150 LB Rating, Add</i>	3.15	
			<i>For 200 LB Rating, Add</i>	3.86	
			<i>For 300 LB Rating, Add</i>	5.59	
			<i>For Work In Restricted Working Space, Add</i>	7.87	
23 05 23 00-0150	EA		3/4" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	49.45	8.54
			<i>For 150 LB Rating, Add</i>	4.37	
			<i>For 200 LB Rating, Add</i>	5.36	
			<i>For 300 LB Rating, Add</i>	7.76	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0151	EA		1" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	61.29	8.54
			<i>For 150 LB Rating, Add</i>	5.74	
			<i>For 200 LB Rating, Add</i>	7.03	
			<i>For 300 LB Rating, Add</i>	10.18	
			<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 23 00-0152	EA		1-1/4" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	81.68	10.81
			<i>For 150 LB Rating, Add</i>	8.52	
			<i>For 200 LB Rating, Add</i>	10.44	
			<i>For 300 LB Rating, Add</i>	15.11	
			<i>For Work In Restricted Working Space, Add</i>	16.26	
23 05 23 00-0153	EA		1-1/2" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	94.57	12.52
			<i>For 150 LB Rating, Add</i>	9.93	
			<i>For 200 LB Rating, Add</i>	12.18	
			<i>For 300 LB Rating, Add</i>	17.62	
			<i>For Work In Restricted Working Space, Add</i>	18.76	
23 05 23 00-0154	EA		2" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	122.16	14.80
			<i>For 150 LB Rating, Add</i>	14.96	
			<i>For 200 LB Rating, Add</i>	18.34	
			<i>For 300 LB Rating, Add</i>	26.54	
			<i>For Work In Restricted Working Space, Add</i>	22.17	
23 05 23 00-0155	EA		2-1/2" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	195.43	21.71
			<i>For 150 LB Rating, Add</i>	26.98	
			<i>For 200 LB Rating, Add</i>	33.08	
			<i>For 300 LB Rating, Add</i>	47.87	
			<i>For Work In Restricted Working Space, Add</i>	32.52	
23 05 23 00-0156	EA		3" Angle Globe Valve, Bronze, Threaded, Brazed Or Soldered Connection, 125 LB	272.47	25.20
			<i>For 150 LB Rating, Add</i>	45.69	
			<i>For 200 LB Rating, Add</i>	56.01	
			<i>For 300 LB Rating, Add</i>	81.07	
			<i>For Work In Restricted Working Space, Add</i>	37.52	
23 05 23 00-0157			Iron Body Angle Globe Valves, Flanged, 125 LB <small>(23 05 23 00-0117)</small>		
23 05 23 00-0158	EA		2" Angle Globe Valve, Iron Body, Flanged, 125 LB	486.11	108.37
			<i>For 250 LB Rating, Add</i>	210.37	
			<i>For Chain Operated Type, Add</i>	136.74	
			<i>For Work In Restricted Working Space, Add</i>	40.65	
23 05 23 00-0159	EA		2-1/2" Angle Globe Valve, Iron Body, Flanged, 125 LB	550.73	108.51
			<i>For 250 LB Rating, Add</i>	248.80	
			<i>For Chain Operated Type, Add</i>	161.72	
			<i>For Work In Restricted Working Space, Add</i>	40.82	
23 05 23 00-0160	EA		3" Angle Globe Valve, Iron Body, Flanged, 125 LB	647.89	127.22
			<i>For 250 LB Rating, Add</i>	293.20	
			<i>For Chain Operated Type, Add</i>	190.58	
			<i>For Work In Restricted Working Space, Add</i>	47.77	
23 05 23 00-0161	EA		4" Angle Globe Valve, Iron Body, Flanged, 125 LB	965.22	213.28
			<i>For 250 LB Rating, Add</i>	418.77	
			<i>For Chain Operated Type, Add</i>	272.20	
			<i>For Work In Restricted Working Space, Add</i>	80.18	
23 05 23 00-0162	EA		5" Angle Globe Valve, Iron Body, Flanged, 125 LB	1,578.52	261.20
			<i>For 250 LB Rating, Add</i>	750.51	
			<i>For Chain Operated Type, Add</i>	487.83	
			<i>For Work In Restricted Working Space, Add</i>	98.30	
23 05 23 00-0163	EA		6" Angle Globe Valve, Iron Body, Flanged, 125 LB	1,613.63	290.23
			<i>For 250 LB Rating, Add</i>	750.51	
			<i>For Chain Operated Type, Add</i>	487.83	
			<i>For Work In Restricted Working Space, Add</i>	108.83	
23 05 23 00-0164	EA		8" Angle Globe Valve, Iron Body, Flanged, 125 LB	2,862.77	333.76
			<i>For 250 LB Rating, Add</i>	1,468.90	
			<i>For Chain Operated Type, Add</i>	954.79	
			<i>For Work In Restricted Working Space, Add</i>	124.38	
23 05 23 00-0165			Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Outside Stem And Yoke Globe Valves <small>(23 05 23 00-0117)</small>		
			<i>Note: 800 PSIG at 850 degrees F.</i>		
23 05 23 00-0166	EA		1/4" Globe Valve, Forged Steel, Screwed, Outside Stem And Yoke	84.63	13.17
			<i>For Work In Restricted Working Space, Add</i>	7.10	
23 05 23 00-0167	EA		1/2" Globe Valve, Forged Steel, Screwed, Outside Stem And Yoke	87.19	13.17
			<i>For Work In Restricted Working Space, Add</i>	7.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0168 EA 3/4" Globe Valve, Forged Steel, Screwed, Outside Stem And Yoke..... <i>For Work In Restricted Working Space, Add</i>	104.70 10.61	17.72
23 05 23 00-0169 EA 1" Globe Valve, Forged Steel, Screwed, Outside Stem And Yoke <i>For Work In Restricted Working Space, Add</i>	128.91 12.84	21.38
23 05 23 00-0170 EA 1-1/4" Globe Valve, Forged Steel, Screwed, Outside Stem And Yoke <i>For Work In Restricted Working Space, Add</i>	201.84 16.26	27.07
23 05 23 00-0171 EA 1-1/2" Globe Valve, Forged Steel, Screwed, Outside Stem And Yoke <i>For Work In Restricted Working Space, Add</i>	240.93 18.76	31.30
23 05 23 00-0172 EA 2" Globe Valve, Forged Steel, Screwed, Outside Stem And Yoke <i>For Work In Restricted Working Space, Add</i>	303.76 22.17	36.99
23 05 23 00-0173 Straight Pattern Triple Duty Valves <small>(23 05 23)</small>		
<i>Note: Bell & Gossett 3DX and 3DS-S Series.</i>		
23 05 23 00-0174 EA 1" Threaded, Straight Pattern Triple Duty Valve.....	222.89	8.54
23 05 23 00-0175 EA 1-1/4" Threaded, Straight Pattern Triple Duty Valve.....	258.08	10.81
23 05 23 00-0176 EA 1-1/2" Threaded, Straight Pattern Triple Duty Valve.....	280.03	12.52
23 05 23 00-0177 EA 2" Flanged, Straight Pattern Triple Duty Valve.....	702.24	22.19
23 05 23 00-0178 EA 2-1/2" Flanged, Straight Pattern Triple Duty Valve.....	819.21	108.51
23 05 23 00-0179 EA 3" Flanged, Straight Pattern Triple Duty Valve.....	896.76	127.22
23 05 23 00-0180 EA 4" Flanged, Straight Pattern Triple Duty Valve.....	1,837.50	213.28
23 05 23 00-0181 EA 5" Flanged, Straight Pattern Triple Duty Valve.....	2,179.99	261.20
23 05 23 00-0182 EA 6" Flanged, Straight Pattern Triple Duty Valve.....	2,891.46	290.23
23 05 23 00-0183 EA 8" Flanged, Straight Pattern Triple Duty Valve.....	3,847.35	333.76
23 05 23 00-0184 EA 10" Flanged, Straight Pattern Triple Duty Valve.....	6,177.02	406.32
23 05 23 00-0185 Angle Pattern, Flanged, Triple Duty Valves <small>(23 05 23)</small>		
<i>Note: Bell & Gossett 3D-S Series.</i>		
23 05 23 00-0186 EA 2" Angle Pattern, Flanged Triple Duty Valve.....	685.25	22.19
23 05 23 00-0187 EA 2-1/2" Angle Pattern, Flanged Triple Duty Valve.....	798.82	108.51
23 05 23 00-0188 EA 3" Angle Pattern, Flanged Triple Duty Valve.....	879.77	127.22
23 05 23 00-0189 EA 4" Angle Pattern, Flanged Triple Duty Valve.....	1,793.31	213.28
23 05 23 00-0190 EA 5" Angle Pattern, Flanged Triple Duty Valve.....	2,125.61	261.20
23 05 23 00-0191 EA 6" Angle Pattern, Flanged Triple Duty Valve.....	2,381.64	290.23
23 05 23 00-0192 EA 8" Angle Pattern, Flanged Triple Duty Valve.....	3,606.04	333.76
23 05 23 00-0193 EA 10" Angle Pattern, Flanged Triple Duty Valve.....	4,820.92	406.32
23 05 23 00-0194 Balanced, Straight Pattern Triple Duty Valves <small>(23 05 23)</small>		
<i>Note: Bell & Gossett 3DS-B Series.</i>		
23 05 23 00-0195 EA 3" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	821.99	127.22
23 05 23 00-0196 EA 4" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	1,640.37	213.28
23 05 23 00-0197 EA 5" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	1,952.28	261.20
23 05 23 00-0198 EA 6" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	2,582.17	290.23
23 05 23 00-0199 EA 8" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	3,425.90	333.76
23 05 23 00-0200 EA 10" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	5,473.48	406.32
23 05 23 00-0201 EA 12" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	8,242.56	493.38
23 05 23 00-0202 EA 14" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	10,019.04	544.17
23 05 23 00-0203 EA 16" Flanged, Balanced, Straight Pattern Triple Duty Valve.....	12,555.12	638.49
23 05 23 00-0204 Grooved Straight Pattern Triple Duty Valves <small>(23 05 23)</small>		
<i>Note: Bell & Gossett 3DS-G Series.</i>		
23 05 23 00-0205 EA 2" Grooved, Straight Pattern Triple Duty Valve.....	777.40	20.08
23 05 23 00-0206 EA 2-1/2" Grooved, Straight Pattern Triple Duty Valve.....	926.62	23.94
23 05 23 00-0207 EA 3" Grooved, Straight Pattern Triple Duty Valve.....	1,078.93	25.97
23 05 23 00-0208 EA 4" Grooved, Straight Pattern Triple Duty Valve.....	1,792.65	27.99
23 05 23 00-0209 EA 5" Grooved, Straight Pattern Triple Duty Valve.....	2,077.40	37.01
23 05 23 00-0210 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	2,769.72	47.45
23 05 23 00-0211 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	3,767.43	60.22
23 05 23 00-0212 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	5,947.44	67.48
23 05 23 00-0213 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	9,445.16	82.28
23 05 23 00-0214 Plug Valves <small>(23 05 23)</small>		
23 05 23 00-0215 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated <small>(23 05 23 00-0214)</small>		
<i>Note: Includes wrench.</i>		
23 05 23 00-0216 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	115.39	8.12
23 05 23 00-0217 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	124.51	8.94
23 05 23 00-0218 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	156.52	10.16
23 05 23 00-0219 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	188.85	10.81
23 05 23 00-0220 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	209.01	12.52
23 05 23 00-0221 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	246.78	14.80
23 05 23 00-0222 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	364.54	19.98
23 05 23 00-0223 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	442.67	23.20
23 05 23 00-0224 Plug Valves, Lubricated, Semisteel Flanged <small>(23 05 23 00-0214)</small>		
<i>Note: Wrench operated for 4", gear operated for 6" and 10".</i>		
23 05 23 00-0225 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	281.02	108.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0226 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	327.76	108.51
23 05 23 00-0227 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	400.11	127.22
23 05 23 00-0228 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	593.46	213.28
23 05 23 00-0229 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,232.94	290.23
23 05 23 00-0230 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,982.30	333.76
23 05 23 00-0231 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,120.39	406.32
23 05 23 00-0232 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,581.05	493.38
23 05 23 00-0233 Plug Valves, Forged Steel, Screwed (23 05 23 00-0214)		
23 05 23 00-0234 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	407.61	8.12
23 05 23 00-0235 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	483.74	8.94
23 05 23 00-0236 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed	548.27	10.16
23 05 23 00-0237 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	659.23	10.81
23 05 23 00-0238 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	767.38	12.52
23 05 23 00-0239 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,005.44	14.80
23 05 23 00-0240 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0214)		
23 05 23 00-0241 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	647.52	213.28
23 05 23 00-0242 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	979.70	261.20
23 05 23 00-0243 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,323.46	333.76
23 05 23 00-0244 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,853.10	406.32
23 05 23 00-0245 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,380.98	493.38
23 05 23 00-0246 Foot Valves, Metal To Metal Seat Construction (23 05 23)		
23 05 23 00-0247 Single Poppet (23 05 23 00-0246)		
23 05 23 00-0248 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction	53.85	20.34
23 05 23 00-0249 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	60.72	22.77
23 05 23 00-0250 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	74.35	26.03
23 05 23 00-0251 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction	93.49	29.28
23 05 23 00-0252 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	195.05	47.98
23 05 23 00-0253 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction	246.34	58.56
23 05 23 00-0254 Double Poppet (23 05 23 00-0246)		
23 05 23 00-0255 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction	53.85	20.34
23 05 23 00-0256 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	94.62	22.77
23 05 23 00-0257 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	93.91	26.03
23 05 23 00-0258 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction	122.16	29.28
23 05 23 00-0259 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction	230.59	47.98
23 05 23 00-0260 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction	306.66	57.74
23 05 23 00-0261 Float Valves (23 05 23)		
23 05 23 00-0262 Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0261)		
23 05 23 00-0263 Single Seat, Bronze Construction (23 05 23 00-0262)		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0264 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	95.43	17.08
23 05 23 00-0265 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	110.13	20.33
23 05 23 00-0266 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	138.15	21.95
23 05 23 00-0267 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	221.92	27.64
23 05 23 00-0268 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	230.04	31.70
23 05 23 00-0269 Double Seat, Bronze Construction (23 05 23 00-0262)		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0270 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	438.57	17.08
23 05 23 00-0271 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	445.07	20.33
23 05 23 00-0272 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	511.86	21.95
23 05 23 00-0273 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	569.20	27.64
23 05 23 00-0274 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	650.85	31.70
23 05 23 00-0275 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	849.75	37.39
23 05 23 00-0276 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	994.79	50.14
23 05 23 00-0277 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	1,194.33	57.63
23 05 23 00-0278 Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0261)		
Note: Includes arm, ball and bracket.		
23 05 23 00-0279 Brass Body Threaded Ends (23 05 23 00-0278)		
23 05 23 00-0280 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	114.18	22.03
23 05 23 00-0281 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	128.50	24.47
23 05 23 00-0282 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	154.46	27.07
23 05 23 00-0283 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	247.56	43.74
23 05 23 00-0284 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	265.11	49.84
23 05 23 00-0285 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	306.59	61.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0286				Cast Iron Body Flanged <small>(23 05 23 00-0278)</small>		
23 05 23 00-0287	EA			2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	2,756.51	131.71
23 05 23 00-0288	EA			3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	3,319.61	149.67
23 05 23 00-0289				Float Operated Valves <small>(23 05 23 00-0261)</small>		
23 05 23 00-0290				For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0289)</small>		
				Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0291	EA			1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	334.23	38.21
23 05 23 00-0292				For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0289)</small>		
				Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0293	EA			3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	443.11	71.09
23 05 23 00-0294				Needle Valves <small>(23 05 23)</small>		
23 05 23 00-0295				Bronze Needle Valve <small>(23 05 23 00-0294)</small>		
				Note: For heating and cooling applications.		
23 05 23 00-0296	EA			1/4" Needle Valve, Bronze.....	52.64	8.12
23 05 23 00-0297	EA			3/8" Needle Valve, Bronze.....	57.97	8.12
23 05 23 00-0298	EA			1/2" Needle Valve, Bronze.....	62.90	8.12
23 05 23 00-0299	EA			3/4" Needle Valve, Bronze.....	93.28	8.94
23 05 23 00-0300	EA			1" Needle Valve, Bronze.....	137.28	10.16
23 05 23 00-0301				Eccentric Valves With Taps <small>(23 05 23)</small>		
23 05 23 00-0302				Screwed Eccentric Valves With Taps <small>(23 05 23 00-0301)</small>		
23 05 23 00-0303	EA			1/2" Diameter Eccentric Valves With Taps, Screwed.....	110.30	8.12
23 05 23 00-0304	EA			3/4" Diameter Eccentric Valves With Taps, Screwed.....	120.72	8.94
23 05 23 00-0305	EA			1" Diameter Eccentric Valves With Taps, Screwed.....	151.44	10.16
23 05 23 00-0306	EA			1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	184.84	10.81
23 05 23 00-0307	EA			1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	203.51	12.52
23 05 23 00-0308	EA			2" Diameter Eccentric Valves With Taps, Screwed.....	239.47	14.80
23 05 23 00-0309	EA			2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	355.88	19.98
23 05 23 00-0310	EA			3" Diameter Eccentric Valves With Taps, Screwed.....	429.44	23.20
23 05 23 00-0311				Flanged Eccentric Valves With Taps <small>(23 05 23 00-0301)</small>		
23 05 23 00-0312	EA			2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	440.02	108.51
23 05 23 00-0313	EA			3" Diameter Eccentric Valves With Taps, Flanged.....	521.39	127.22
23 05 23 00-0314	EA			4" Diameter Eccentric Valves With Taps, Flanged.....	726.44	213.28
23 05 23 00-0315	EA			5" Diameter Eccentric Valves With Taps, Flanged.....	974.39	261.20
23 05 23 00-0316	EA			6" Diameter Eccentric Valves With Taps, Flanged.....	1,203.52	290.23
23 05 23 00-0317	EA			8" Diameter Eccentric Valves With Taps, Flanged.....	1,934.39	333.76
23 05 23 00-0318	EA			10" Diameter Eccentric Valves With Taps, Flanged.....	2,674.40	406.32
23 05 23 00-0319	EA			12" Diameter Eccentric Valves With Taps, Flanged.....	4,463.61	493.38
23 05 23 00-0320				Swing Check Valves <small>(23 05 23)</small>		
23 05 23 00-0321				Iron Body Wafer Type Check Valve <small>(23 05 23 00-0320)</small>		
23 05 23 00-0322				Single Disk Type <small>(23 05 23 00-0321)</small>		
23 05 23 00-0323	EA			2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	251.64	108.41
				For 150 LB Rating, Add.....	24.38	
				For 200 LB Rating, Add.....	29.02	
				For 300 LB Rating, Add.....	34.83	
				For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	79.35	
23 05 23 00-0324	EA			2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	288.24	108.57
				For 150 LB Rating, Add.....	31.94	
				For 200 LB Rating, Add.....	38.03	
				For 300 LB Rating, Add.....	45.63	
				For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	95.67	
23 05 23 00-0325	EA			3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	351.57	127.29
				For 150 LB Rating, Add.....	40.37	
				For 200 LB Rating, Add.....	48.06	
				For 300 LB Rating, Add.....	57.68	
				For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	118.38	
23 05 23 00-0326	EA			4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	527.80	213.39
				For 150 LB Rating, Add.....	54.68	
				For 200 LB Rating, Add.....	65.10	
				For 300 LB Rating, Add.....	78.12	
				For 300 LB Rating, Cast Steel, Weld End, Wedge, Add.....	170.66	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0327	EA		6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	782.25	299.50
			<i>For 150 LB Rating, Add</i>	85.65	
			<i>For 200 LB Rating, Add</i>	101.97	
			<i>For 300 LB Rating, Add</i>	122.36	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	258.42	
23 05 23 00-0328	EA		8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,054.89	344.43
			<i>For 150 LB Rating, Add</i>	131.44	
			<i>For 200 LB Rating, Add</i>	156.48	
			<i>For 300 LB Rating, Add</i>	187.77	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	367.46	
23 05 23 00-0329	EA		10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,527.68	419.30
			<i>For 150 LB Rating, Add</i>	209.94	
			<i>For 200 LB Rating, Add</i>	249.93	
			<i>For 300 LB Rating, Add</i>	299.91	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	555.46	
23 05 23 00-0330			Twin Disc Type <small>(23 05 23 00-0321)</small>		
23 05 23 00-0331	EA		2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	265.91	108.41
			<i>For 150 LB Rating, Add</i>	27.38	
			<i>For 200 LB Rating, Add</i>	32.59	
			<i>For 300 LB Rating, Add</i>	39.11	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	85.77	
23 05 23 00-0332	EA		2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	292.59	108.57
			<i>For 150 LB Rating, Add</i>	32.85	
			<i>For 200 LB Rating, Add</i>	39.11	
			<i>For 300 LB Rating, Add</i>	46.94	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	97.63	
23 05 23 00-0333	EA		3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	341.85	127.29
			<i>For 150 LB Rating, Add</i>	38.33	
			<i>For 200 LB Rating, Add</i>	45.63	
			<i>For 300 LB Rating, Add</i>	54.76	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	114.00	
23 05 23 00-0334	EA		4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	499.22	213.39
			<i>For 150 LB Rating, Add</i>	48.68	
			<i>For 200 LB Rating, Add</i>	57.95	
			<i>For 300 LB Rating, Add</i>	69.54	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	157.80	
23 05 23 00-0335	EA		6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	748.18	299.50
			<i>For 150 LB Rating, Add</i>	78.50	
			<i>For 200 LB Rating, Add</i>	93.45	
			<i>For 300 LB Rating, Add</i>	112.14	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	243.09	
23 05 23 00-0336	EA		8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	998.72	344.43
			<i>For 150 LB Rating, Add</i>	119.88	
			<i>For 200 LB Rating, Add</i>	142.71	
			<i>For 300 LB Rating, Add</i>	171.26	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	342.46	
23 05 23 00-0337	EA		10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,428.40	37.44
			<i>For 150 LB Rating, Add</i>	189.85	
			<i>For 200 LB Rating, Add</i>	226.01	
			<i>For 300 LB Rating, Add</i>	271.22	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	511.69	
23 05 23 00-0338	EA		12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,845.78	509.16
			<i>For 150 LB Rating, Add</i>	254.36	
			<i>For 200 LB Rating, Add</i>	302.81	
			<i>For 300 LB Rating, Add</i>	363.37	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	671.97	
23 05 23 00-0339	EA		14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,256.04	594.78
			<i>For 150 LB Rating, Add</i>	517.23	
			<i>For 200 LB Rating, Add</i>	615.75	
			<i>For 300 LB Rating, Add</i>	738.90	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,266.96	
23 05 23 00-0340	EA		16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,349.52	697.87
			<i>For 150 LB Rating, Add</i>	730.21	
			<i>For 200 LB Rating, Add</i>	869.30	
			<i>For 300 LB Rating, Add</i>	1,043.15	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,739.20	
23 05 23 00-0341	EA		18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	5,690.38	777.18
			<i>For 150 LB Rating, Add</i>	991.44	
			<i>For 200 LB Rating, Add</i>	1,180.28	
			<i>For 300 LB Rating, Add</i>	1,416.34	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,318.36	
23 05 23 00-0342	EA		20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	6,736.30	872.34
			<i>For 150 LB Rating, Add</i>	1,185.63	
			<i>For 200 LB Rating, Add</i>	1,411.47	
			<i>For 300 LB Rating, Add</i>	1,693.76	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,758.73	
23 05 23 00-0343	EA		24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	8,760.55	1,070.60
			<i>For 150 LB Rating, Add</i>	1,557.88	
			<i>For 200 LB Rating, Add</i>	1,854.62	
			<i>For 300 LB Rating, Add</i>	2,225.55	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,606.73	
23 05 23 00-0344			Lift Check Valves <small>(23 05 23 00-0320)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0345 Bronze Body, Threaded, Vertical Lift Check Valves <small>(23 05 23 00-0344)</small>		
<small>Note: Watts #600 series.</small>		
23 05 23 00-0346 EA 3/8" Lift Check Valve, Bronze, Threaded.....	54.45	8.12
23 05 23 00-0347 EA 1/2" Lift Check Valve, Bronze, Threaded.....	57.55	8.12
23 05 23 00-0348 EA 3/4" Lift Check Valve, Bronze, Threaded.....	74.35	8.54
23 05 23 00-0349 EA 1" Lift Check Valve, Bronze, Threaded.....	96.02	8.54
23 05 23 00-0350 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	130.50	10.81
23 05 23 00-0351 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	157.01	12.52
23 05 23 00-0352 EA 2" Lift Check Valve, Bronze, Threaded.....	215.96	14.80
23 05 23 00-0353 Bronze Body, Threaded, 300 LB, Lift Check Valves <small>(23 05 23 00-0344)</small>		
<small>Note: Crane 366E.</small>		
23 05 23 00-0354 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	271.52	8.12
23 05 23 00-0355 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	331.60	8.54
23 05 23 00-0356 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	584.34	8.54
23 05 23 00-0357 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	777.33	10.81
23 05 23 00-0358 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	846.19	12.52
23 05 23 00-0359 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,083.73	14.80
23 05 23 00-0360 Iron Body, Flanged, 125 LB Vertical Lift Check Valves <small>(23 05 23 00-0344)</small>		
<small>Note: Mueller 105MAP.</small>		
23 05 23 00-0361 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	446.43	108.37
23 05 23 00-0362 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	639.65	108.51
23 05 23 00-0363 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	702.22	127.22
23 05 23 00-0364 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	996.96	213.28
23 05 23 00-0365 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,266.34	261.20
23 05 23 00-0366 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,538.68	290.23
23 05 23 00-0367 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,566.85	333.76
23 05 23 00-0368 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,217.69	406.32
23 05 23 00-0369 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	5,123.97	493.38
23 05 23 00-0370 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	6,947.29	603.63
23 05 23 00-0371 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,695.80	708.26
23 05 23 00-0372 Bronze Body Swing Check Valves <small>(23 05 23 00-0320)</small>		
23 05 23 00-0373 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves <small>(23 05 23 00-0372)</small>		
23 05 23 00-0374 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	41.73	8.12
<i>For 300 LB Rating, Add</i>	6.05	
<i>For Work In Restricted Working Space, Add</i>	7.87	
23 05 23 00-0375 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	39.17	8.12
<i>For 300 LB Rating, Add</i>	6.05	
<i>For Work In Restricted Working Space, Add</i>	7.10	
23 05 23 00-0376 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	40.42	8.12
<i>For 300 LB Rating, Add</i>	6.05	
<i>For Work In Restricted Working Space, Add</i>	7.48	
23 05 23 00-0377 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	42.34	8.12
<i>For 300 LB Rating, Add</i>	6.28	
<i>For Work In Restricted Working Space, Add</i>	7.87	
23 05 23 00-0378 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	54.87	8.54
<i>For 300 LB Rating, Add</i>	7.61	
<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0379 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	69.30	8.54
<i>For 300 LB Rating, Add</i>	10.34	
<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 23 00-0380 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	91.41	10.81
<i>For 300 LB Rating, Add</i>	14.51	
<i>For Work In Restricted Working Space, Add</i>	16.26	
23 05 23 00-0381 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	114.63	12.52
<i>For 300 LB Rating, Add</i>	20.32	
<i>For Work In Restricted Working Space, Add</i>	18.76	
23 05 23 00-0382 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	140.90	14.80
<i>For 300 LB Rating, Add</i>	26.13	
<i>For Work In Restricted Working Space, Add</i>	22.17	
23 05 23 00-0383 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	253.77	19.98
<i>For 300 LB Rating, Add</i>	60.06	
<i>For Work In Restricted Working Space, Add</i>	29.93	
23 05 23 00-0384 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	334.14	23.20
<i>For 300 LB Rating, Add</i>	85.41	
<i>For Work In Restricted Working Space, Add</i>	34.54	
23 05 23 00-0385 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	378.80	26.19
<i>For 300 LB Rating, Add</i>	96.66	
<i>For Work In Restricted Working Space, Add</i>	39.29	
23 05 23 00-0386 Iron Body, Bronze Trim, Flanged, 125 LB, Swing Check Valves <small>(23 05 23 00-0320)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0387 EA 1" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	220.27	60.97
For 150 LB Rating, Add	97.63	
For 250 LB Rating, Add	186.64	
For Work In Restricted Working Space, Add	23.01	
23 05 23 00-0388 EA 1-1/4" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	246.54	71.13
For 150 LB Rating, Add	107.56	
For 250 LB Rating, Add	205.62	
For Work In Restricted Working Space, Add	26.51	
23 05 23 00-0389 EA 1-1/2" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	278.52	85.36
For 150 LB Rating, Add	116.65	
For 250 LB Rating, Add	223.02	
For Work In Restricted Working Space, Add	32.09	
23 05 23 00-0390 EA 2" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	348.56	108.37
For 150 LB Rating, Add	144.89	
For 250 LB Rating, Add	276.99	
For Work In Restricted Working Space, Add	40.65	
23 05 23 00-0391 EA 2-1/2" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	384.72	108.51
For 150 LB Rating, Add	169.09	
For 250 LB Rating, Add	323.26	
For Work In Restricted Working Space, Add	40.82	
23 05 23 00-0392 EA 3" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	429.45	127.22
For 150 LB Rating, Add	183.75	
For 250 LB Rating, Add	351.29	
For Work In Restricted Working Space, Add	47.77	
23 05 23 00-0393 EA 4" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	684.88	213.28
For 150 LB Rating, Add	283.97	
For 250 LB Rating, Add	542.89	
For Work In Restricted Working Space, Add	80.18	
23 05 23 00-0394 EA 5" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	940.81	261.20
For 150 LB Rating, Add	416.94	
For 250 LB Rating, Add	797.08	
For Work In Restricted Working Space, Add	98.30	
23 05 23 00-0395 EA 6" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	1,073.69	290.23
For 150 LB Rating, Add	483.42	
For 250 LB Rating, Add	924.18	
For Work In Restricted Working Space, Add	108.83	
23 05 23 00-0396 EA 8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	2,189.47	333.76
For 150 LB Rating, Add	1,206.91	
For 250 LB Rating, Add	2,307.33	
For Work In Restricted Working Space, Add	124.38	
23 05 23 00-0397 EA 10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	2,923.86	406.32
For 150 LB Rating, Add	1,642.86	
For 250 LB Rating, Add	3,140.76	
For Work In Restricted Working Space, Add	152.37	
23 05 23 00-0398 EA 12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	4,383.23	493.38
For 150 LB Rating, Add	2,561.97	
For 250 LB Rating, Add	4,897.88	
For Work In Restricted Working Space, Add	184.69	
23 05 23 00-0399 EA 14" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	5,070.27	603.63
For 150 LB Rating, Add	2,900.49	
For 250 LB Rating, Add	5,545.06	
For Work In Restricted Working Space, Add	241.45	
23 05 23 00-0400 EA 16" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	7,097.90	708.26
For 150 LB Rating, Add	4,224.55	
For 250 LB Rating, Add	8,076.34	
For Work In Restricted Working Space, Add	265.60	
23 05 23 00-0401 EA 18" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	10,748.11	788.75
For 150 LB Rating, Add	6,639.81	
For 250 LB Rating, Add	12,693.75	
For Work In Restricted Working Space, Add	295.11	
23 05 23 00-0402 EA 20" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	14,697.08	885.33
For 150 LB Rating, Add	9,241.49	
For 250 LB Rating, Add	17,667.56	
For Work In Restricted Working Space, Add	332.00	
23 05 23 00-0403 EA 24" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB.....	20,387.79	1,086.53
For 150 LB Rating, Add	12,937.51	
For 250 LB Rating, Add	24,733.48	
For Work In Restricted Working Space, Add	408.61	
23 05 23 00-0404 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing		
Check Valves <small>(23 05 23 00-0320)</small>		
Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0405 EA 1/2" Swing Check Valve, Forged Steel, Screwed	79.92	8.12
For Work In Restricted Working Space, Add	7.87	
23 05 23 00-0406 EA 3/4" Swing Check Valve, Forged Steel, Screwed	96.31	8.94
For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0407 EA 1" Swing Check Valve, Forged Steel, Screwed	114.37	10.16
For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0408 EA 1-1/4" Swing Check Valve, Forged Steel, Screwed	171.27	10.81
For Work In Restricted Working Space, Add	16.26	
23 05 23 00-0409 EA 1-1/2" Swing Check Valve, Forged Steel, Screwed	202.34	12.52
For Work In Restricted Working Space, Add	18.76	
23 05 23 00-0410 EA 2" Swing Check Valve, Forged Steel, Screwed	268.53	14.80
For Work In Restricted Working Space, Add	22.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0411				Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections <small>(23 05 23 00-0320)</small>		
23 05 23 00-0412	EA			1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	37.33 7.87	8.12
23 05 23 00-0413	EA			3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	46.45 10.61	8.94
23 05 23 00-0414	EA			1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	54.33 12.84	10.16
23 05 23 00-0415	EA			1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	66.21 16.26	10.81
23 05 23 00-0416	EA			1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	75.24 18.76	12.52
23 05 23 00-0417	EA			2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	93.67 22.17	14.80
23 05 23 00-0418	EA			2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	127.91 29.93	19.98
23 05 23 00-0419	EA			3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	151.64 34.54	23.20
23 05 23 00-0420				Cast Iron Valves <small>(23 05 23)</small>		
23 05 23 00-0421				Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Valves <small>(23 05 23 00-0420)</small>		
23 05 23 00-0422	EA			1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	123.13	24.33
23 05 23 00-0423	EA			3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	153.88	26.94
23 05 23 00-0424	EA			1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	170.67	33.30
23 05 23 00-0425	EA			1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	268.20	49.77
23 05 23 00-0426	EA			2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	412.72	59.87
23 05 23 00-0427				Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Valves <small>(23 05 23 00-0420)</small>		
23 05 23 00-0428	EA			1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	157.62	36.59
23 05 23 00-0429	EA			3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	181.91	40.64
23 05 23 00-0430	EA			1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	218.62	60.97
23 05 23 00-0431	EA			1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	327.72	85.36
23 05 23 00-0432	EA			2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	509.43	108.37
23 05 23 00-0433	EA			2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	637.85	108.51
23 05 23 00-0434	EA			3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	788.84	127.22
23 05 23 00-0435	EA			4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,131.58	213.28
23 05 23 00-0436	EA			6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,299.15	290.23
23 05 23 00-0437	EA			8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,485.20	333.76
23 05 23 00-0438				Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Valves <small>(23 05 23 00-0420)</small>		
23 05 23 00-0439	EA			1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	84.33	24.33
23 05 23 00-0440	EA			3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	105.89	26.94
23 05 23 00-0441	EA			1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	122.68	33.30
23 05 23 00-0442	EA			1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	202.85	49.77
23 05 23 00-0443	EA			2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	260.59	59.87
23 05 23 00-0444				Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Valves <small>(23 05 23 00-0420)</small>		
23 05 23 00-0445	EA			1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	114.80	36.59
23 05 23 00-0446	EA			3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	128.99	40.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0447 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	165.68	60.97
23 05 23 00-0448 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	255.65	85.36
23 05 23 00-0449 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	341.60	108.37
23 05 23 00-0450 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	404.79	108.51
23 05 23 00-0451 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	490.37	127.22
23 05 23 00-0452 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	779.75	213.28
23 05 23 00-0453 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,510.92	290.23
23 05 23 00-0454 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,235.00	333.76
23 05 23 00-0455 125 LB, Flanged Cast Iron Valves, Hand Wheel Operated (23 05 23 00-0420)		
23 05 23 00-0456 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	202.67	60.97
23 05 23 00-0457 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	321.87	85.36
23 05 23 00-0458 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	430.04	108.37
23 05 23 00-0459 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	595.48	108.51
23 05 23 00-0460 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	661.25	127.22
23 05 23 00-0461 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,043.47	213.28
23 05 23 00-0462 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,048.54	290.23
23 05 23 00-0463 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,086.22	333.76
23 05 23 00-0464 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23)		
23 05 23 00-0465 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	61.89	8.12
23 05 23 00-0466 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	71.30	8.12
23 05 23 00-0467 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	92.03	8.94
23 05 23 00-0468 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	131.56	10.16
23 05 23 00-0469 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	226.41	12.52
23 05 23 00-0470 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	344.10	14.80
23 05 23 00-0471 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	468.28	19.98
23 05 23 00-0472 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	666.45	23.20
23 05 23 00-0473 Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0474 Conditioned Water Balancing Valves (23 05 23 00-0473)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0475 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	88.38	41.48
23 05 23 00-0476 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	108.96	55.30
23 05 23 00-0477 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	156.50	63.19
23 05 23 00-0478 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	202.31	78.08
23 05 23 00-0479 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	230.35	82.95
23 05 23 00-0480 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	301.86	94.83
23 05 23 00-0481 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	566.23	165.03
23 05 23 00-0482 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	770.29	188.61
23 05 23 00-0483 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,093.85	220.14
23 05 23 00-0484 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,242.80	228.00
23 05 23 00-0485 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,392.09	235.86
23 05 23 00-0486 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,312.80	269.55
23 05 23 00-0487 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,898.08	299.50
23 05 23 00-0488 Read Out Meters (23 05 23 00-0473)		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0489 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	502.11	
23 05 23 00-0490 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0491 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0492 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0493 Balancing Valves (23 05 23)		
23 05 23 00-0494 Balancing Valves With Lever (23 05 23 00-0493)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0495 EA 1/2" Threaded Balancing Valve With Lever.....	144.77	25.62
23 05 23 00-0496 EA 3/4" Threaded Balancing Valve With Lever.....	164.12	33.75
23 05 23 00-0497 EA 1" Threaded Balancing Valve With Lever.....	176.18	38.63
23 05 23 00-0498 EA 1-1/4" Threaded Balancing Valve With Lever	202.82	47.98
23 05 23 00-0499 EA 1-1/2" Threaded Balancing Valve With Lever	217.28	50.83
23 05 23 00-0500 EA 2" Threaded Balancing Valve With Lever.....	241.44	58.15
23 05 23 00-0501 EA 2-1/2" Flanged Balancing Valve With Lever.....	449.19	102.96
23 05 23 00-0502 EA 3" Flanged Balancing Valve With Lever.....	549.15	137.40
23 05 23 00-0503 EA 4" Flanged Balancing Valve With Lever.....	716.90	159.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0504 EA 5" Flanged Balancing Valve With Lever.....	1,047.63	187.19
23 05 23 00-0505 EA 6" Flanged Balancing Valve With Lever.....	1,100.42	213.77
23 05 23 00-0506 EA 8" Flanged Balancing Valve With Lever.....	1,413.81	239.61
23 05 23 00-0507 Balancing Valves With Nut <small>(23 05 23 00-0493)</small>		
<small>Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.</small>		
23 05 23 00-0508 EA 4" Flanged Balancing Valve With Nut.....	685.59	159.11
23 05 23 00-0509 EA 5" Flanged Balancing Valve With Nut.....	1,007.88	187.19
23 05 23 00-0510 EA 6" Flanged Balancing Valve With Nut.....	1,060.67	213.77
23 05 23 00-0511 EA 8" Flanged Balancing Valve With Nut.....	1,358.41	239.61
23 05 23 00-0512 Balancing Valves With Hand Wheel <small>(23 05 23 00-0493)</small>		
<small>Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.</small>		
23 05 23 00-0513 EA 4" Flanged Balancing Valve With Hand Wheel.....	920.44	159.11
23 05 23 00-0514 EA 5" Flanged Balancing Valve With Hand Wheel.....	1,307.59	213.77
23 05 23 00-0515 EA 6" Flanged Balancing Valve With Hand Wheel.....	1,254.78	187.19
23 05 23 00-0516 EA 8" Flanged Balancing Valve With Hand Wheel.....	1,576.17	213.77
23 05 23 00-0517 EA 10" Flanged Balancing Valve With Hand Wheel.....	2,323.01	261.84
23 05 23 00-0518 EA 12" Flanged Balancing Valve With Hand Wheel.....	3,028.67	336.49
23 05 23 00-0519 EA 14" Flanged Balancing Valve With Hand Wheel.....	3,978.16	348.78
23 05 23 00-0520 Balancing Valves With Chain Wheel <small>(23 05 23 00-0493)</small>		
<small>Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.</small>		
23 05 23 00-0521 EA 4" Flanged Balancing Valve With Chain Wheel.....	1,048.10	159.11
23 05 23 00-0522 EA 5" Flanged Balancing Valve With Chain Wheel.....	1,436.46	213.77
23 05 23 00-0523 EA 6" Flanged Balancing Valve With Chain Wheel.....	1,383.65	187.19
23 05 23 00-0524 EA 8" Flanged Balancing Valve With Chain Wheel.....	1,703.83	213.77
23 05 23 00-0525 EA 10" Flanged Balancing Valve With Chain Wheel.....	2,452.15	261.69
23 05 23 00-0526 EA 12" Flanged Balancing Valve With Chain Wheel.....	3,186.64	336.25
23 05 23 00-0527 EA 14" Flanged Balancing Valve With Chain Wheel.....	4,134.05	348.94
23 05 23 00-0528 Calibrated Balancing Valves <small>(23 05 23 00-0493)</small>		
<small>Note: Bell & Gossett CB Series.</small>		
23 05 23 00-0529 EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S).....	80.62	8.13
23 05 23 00-0530 EA 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S).....	95.18	8.94
23 05 23 00-0531 EA 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S).....	116.22	10.16
23 05 23 00-0532 EA 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	156.18	10.82
23 05 23 00-0533 EA 1" Threaded Calibrated Balancing Valve (CB-1).....	123.70	10.16
23 05 23 00-0534 EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4).....	169.10	10.82
23 05 23 00-0535 EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2).....	196.47	12.53
23 05 23 00-0536 EA 2" Threaded Calibrated Balancing Valve (CB-2).....	264.27	14.81
23 05 23 00-0537 EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2).....	489.07	21.72
23 05 23 00-0538 EA 3" Threaded Calibrated Balancing Valve (CB-3).....	685.88	25.21
23 05 23 00-0539 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	650.89	117.92
23 05 23 00-0540 EA 3" Flanged Calibrated Balancing Valve (CB-3F).....	937.76	138.26
23 05 23 00-0541 EA 4" Flanged Calibrated Balancing Valve (CB-4F).....	1,433.52	231.79
23 05 23 00-0542 EA 5" Flanged Calibrated Balancing Valve (CB-5F).....	2,144.82	292.78
23 05 23 00-0543 EA 6" Flanged Calibrated Balancing Valve (CB-6F).....	2,802.77	325.31
23 05 23 00-0544 EA 8" Flanged Calibrated Balancing Valve (CB-8F).....	4,968.07	374.11
23 05 23 00-0545 EA 10" Flanged Calibrated Balancing Valve (CB-10F).....	6,890.98	444.10
23 05 23 00-0546 EA 12" Flanged Calibrated Balancing Valve (CB-12F).....	14,450.25	539.27
23 05 23 00-0547 EA 4" Grooved Calibrated Balancing Valve (CB-4G).....	1,707.68	27.99
23 05 23 00-0548 EA 5" Grooved Calibrated Balancing Valve (CB-5G).....	1,972.04	37.01
23 05 23 00-0549 EA 6" Grooved Calibrated Balancing Valve (CB-6G).....	2,620.17	47.45
23 05 23 00-0550 EA 8" Grooved Calibrated Balancing Valve (CB-8G).....	4,895.82	60.22
23 05 23 00-0551 EA 10" Grooved Calibrated Balancing Valve (CB-10G).....	6,577.34	67.48
23 05 23 00-0552 EA 12" Grooved Calibrated Balancing Valve (CB-12G).....	13,525.63	82.28
23 05 23 00-0553 Butterfly Valves <small>(23 05 23)</small>		
23 05 23 00-0554 Cast Iron Body, Iron Disc, Butterfly Valves <small>(23 05 23 00-0553)</small>		
<small>Note: With on-off handle, 150 PSI wafer type.</small>		
23 05 23 00-0555 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	218.35	108.37
For 200 PSI, Add	39.77	
For 175 PSI, Add	14.50	
For Work In Restricted Working Space, Add	40.65	
23 05 23 00-0556 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	223.74	108.51
For 200 PSI, Add	42.09	
For 175 PSI, Add	15.34	
For Work In Restricted Working Space, Add	40.82	
23 05 23 00-0557 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	253.65	127.22
For 200 PSI, Add	45.32	
For 175 PSI, Add	16.52	
For Work In Restricted Working Space, Add	47.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0558	EA		4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	385.78	213.28
			<i>For 200 PSI, Add</i>	56.88	
			<i>For 175 PSI, Add</i>	20.74	
			<i>For Work In Restricted Working Space, Add</i>	80.18	
23 05 23 00-0559	EA		5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	496.28	261.20
			<i>For 200 PSI, Add</i>	80.93	
			<i>For 175 PSI, Add</i>	29.51	
			<i>For Work In Restricted Working Space, Add</i>	98.30	
23 05 23 00-0560	EA		6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	568.97	290.23
			<i>For 200 PSI, Add</i>	98.97	
			<i>For 175 PSI, Add</i>	36.08	
			<i>For Work In Restricted Working Space, Add</i>	108.83	
23 05 23 00-0561	EA		8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	724.85	333.76
			<i>For 200 PSI, Add</i>	148.92	
			<i>For 175 PSI, Add</i>	54.29	
			<i>For Work In Restricted Working Space, Add</i>	124.38	
23 05 23 00-0562	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,109.12	406.32
			<i>For 200 PSI, Add</i>	288.59	
			<i>For 175 PSI, Add</i>	105.22	
			<i>For Work In Restricted Working Space, Add</i>	152.37	
23 05 23 00-0563	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,381.62	493.38
			<i>For 200 PSI, Add</i>	367.68	
			<i>For 175 PSI, Add</i>	134.05	
			<i>For Work In Restricted Working Space, Add</i>	184.69	
23 05 23 00-0564			Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves (23 05 23		
			00-0553)		
23 05 23 00-0565	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	362.88	108.37
			<i>For Work In Restricted Working Space, Add</i>	40.65	
23 05 23 00-0566	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	365.37	108.51
			<i>For Work In Restricted Working Space, Add</i>	40.82	
23 05 23 00-0567	EA		3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	400.11	127.22
			<i>For Work In Restricted Working Space, Add</i>	47.77	
23 05 23 00-0568	EA		4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	538.98	213.28
			<i>For Work In Restricted Working Space, Add</i>	80.18	
23 05 23 00-0569	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	665.86	261.20
			<i>For Work In Restricted Working Space, Add</i>	98.30	
23 05 23 00-0570	EA		6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	737.53	290.23
			<i>For Work In Restricted Working Space, Add</i>	108.83	
23 05 23 00-0571	EA		8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	900.21	333.76
			<i>For Work In Restricted Working Space, Add</i>	124.38	
23 05 23 00-0572	EA		10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,135.13	406.32
			<i>For Work In Restricted Working Space, Add</i>	152.37	
23 05 23 00-0573	EA		12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,527.10	493.38
			<i>For Work In Restricted Working Space, Add</i>	184.69	
23 05 23 00-0574			Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves (23 05 23		
			00-0553)		
23 05 23 00-0575	EA		14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	2,431.93	603.63
			<i>For 200 PSI, Add</i>	585.75	
			<i>For 175 PSI, Add</i>	203.39	
			<i>For Work In Restricted Working Space, Add</i>	241.45	
23 05 23 00-0576	EA		16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,071.30	708.26
			<i>For 200 PSI, Add</i>	786.95	
			<i>For 175 PSI, Add</i>	273.25	
			<i>For Work In Restricted Working Space, Add</i>	265.60	
23 05 23 00-0577	EA		18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,231.50	788.75
			<i>For 200 PSI, Add</i>	1,169.21	
			<i>For 175 PSI, Add</i>	405.98	
			<i>For Work In Restricted Working Space, Add</i>	295.11	
23 05 23 00-0578	EA		20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	5,402.27	885.33
			<i>For 200 PSI, Add</i>	1,546.42	
			<i>For 175 PSI, Add</i>	536.95	
			<i>For Work In Restricted Working Space, Add</i>	332.00	
23 05 23 00-0579	EA		24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	7,227.37	1,086.53
			<i>For 200 PSI, Add</i>	2,111.52	
			<i>For 175 PSI, Add</i>	733.17	
			<i>For Work In Restricted Working Space, Add</i>	408.61	
23 05 23 00-0580	EA		30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	14,932.00	1,839.82
			<i>For 200 PSI, Add</i>	4,532.55	
			<i>For 175 PSI, Add</i>	1,573.80	
			<i>For Work In Restricted Working Space, Add</i>	702.48	
23 05 23 00-0581	EA		36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	18,923.95	2,508.85
			<i>For 200 PSI, Add</i>	5,758.91	
			<i>For 175 PSI, Add</i>	1,999.62	
			<i>For Work In Restricted Working Space, Add</i>	878.10	
23 05 23 00-0582	EA		42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	23,173.53	3,679.64
			<i>For 200 PSI, Add</i>	6,721.37	
			<i>For 175 PSI, Add</i>	2,333.81	
			<i>For Work In Restricted Working Space, Add</i>	1,350.92	
23 05 23 00-0583	EA		48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	28,250.42	4,599.55
			<i>For 200 PSI, Add</i>	8,062.72	
			<i>For 175 PSI, Add</i>	2,799.56	
			<i>For Work In Restricted Working Space, Add</i>	1,756.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0584 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	34,175.14 9,668.76 3,357.21 2,195.24	5,519.46
23 05 23 00-0585 Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <small>(23 05 23 00-0583)</small> Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0586 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	200.91 12.84	10.16
23 05 23 00-0587 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	222.31 16.26	10.81
23 05 23 00-0588 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	276.34 18.76	12.52
23 05 23 00-0589 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	344.47 22.17	14.80
23 05 23 00-0590 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	462.53 29.93	19.98
23 05 23 00-0591 Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <small>(23 05 23 00-0583)</small> Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0592 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	292.96 12.84	10.16
23 05 23 00-0593 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	320.28 16.26	10.81
23 05 23 00-0594 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	382.13 18.76	12.52
23 05 23 00-0595 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	457.15 22.17	14.80
23 05 23 00-0596 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB..... <i>For Work In Restricted Working Space, Add</i>	587.14 29.93	19.98
23 05 29 Hangers And Supports For HVAC Piping And Equipment <small>(23 05)</small>		
23 05 29 00-0001 Hangers And Supports <small>(23 05 29)</small>		
23 05 29 00-0002 Clevis Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) <small>(23 05 29 00-0002)</small> Note: Type 1.		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	15.03 4.04	6.74
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	16.53 4.49	7.48
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	17.37 4.73	7.48
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	18.06 4.86	8.10
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	18.26 4.86	8.10
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	18.99 4.99	8.23
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	21.12 5.13	8.53
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	22.65 5.28	8.98
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	23.62 5.64	9.86
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	26.02 5.99	10.48
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	33.47 7.52	12.53
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	40.31 8.98	14.97
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	54.61 11.23	18.71
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	80.52 14.97	25.44
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	94.71 16.84	28.06
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	118.70 19.31	31.43
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	148.61 22.45	37.42
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	185.19 28.07	46.77
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	304.80 33.68	56.13
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	471.10 39.29	65.48

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	19.19	6.74
For Work In Restricted Working Space, Add	4.04	
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	20.69	7.48
For Work In Restricted Working Space, Add	4.49	
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	21.62	7.48
For Work In Restricted Working Space, Add	4.73	
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	22.39	8.10
For Work In Restricted Working Space, Add	4.86	
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	22.92	8.10
For Work In Restricted Working Space, Add	4.86	
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	23.50	8.23
For Work In Restricted Working Space, Add	4.99	
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	26.48	8.53
For Work In Restricted Working Space, Add	5.13	
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	27.84	8.98
For Work In Restricted Working Space, Add	5.28	
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	31.18	10.48
For Work In Restricted Working Space, Add	5.99	
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	34.69	10.48
For Work In Restricted Working Space, Add	5.99	
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	57.90	12.53
For Work In Restricted Working Space, Add	7.52	
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	71.91	14.97
For Work In Restricted Working Space, Add	8.98	
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	85.40	18.71
For Work In Restricted Working Space, Add	11.23	
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	14.88	6.74
For Work In Restricted Working Space, Add	4.04	
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	16.42	7.48
For Work In Restricted Working Space, Add	4.49	
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	17.34	7.48
For Work In Restricted Working Space, Add	4.73	
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	17.82	8.10
For Work In Restricted Working Space, Add	4.86	
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	17.94	8.10
For Work In Restricted Working Space, Add	4.86	
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	18.46	8.23
For Work In Restricted Working Space, Add	4.99	
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	20.27	8.53
For Work In Restricted Working Space, Add	5.13	
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	21.21	8.98
For Work In Restricted Working Space, Add	5.28	
23 05 29 00-0047 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	23.87	10.48
For Work In Restricted Working Space, Add	5.99	
23 05 29 00-0048 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	24.70	10.48
For Work In Restricted Working Space, Add	5.99	
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	21.60	7.48
For Work In Restricted Working Space, Add	4.49	
23 05 29 00-0051 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	22.44	7.48
For Work In Restricted Working Space, Add	4.73	
23 05 29 00-0052 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	22.89	8.10
For Work In Restricted Working Space, Add	4.86	
23 05 29 00-0053 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	23.72	8.10
For Work In Restricted Working Space, Add	4.86	
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	25.53	8.23
For Work In Restricted Working Space, Add	4.99	
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	27.46	8.53
For Work In Restricted Working Space, Add	5.13	
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	28.87	8.98
For Work In Restricted Working Space, Add	5.28	
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	34.80	10.48
For Work In Restricted Working Space, Add	5.99	
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	43.93	12.53
For Work In Restricted Working Space, Add	7.52	
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	54.34	14.97
For Work In Restricted Working Space, Add	8.98	
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	77.62	18.71
For Work In Restricted Working Space, Add	11.23	
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	109.34	25.44
For Work In Restricted Working Space, Add	14.97	
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	122.80	28.06
For Work In Restricted Working Space, Add	16.84	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)						
23 05 29 00-0064	EA			2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	26.51	8.23
				<i>For Work In Restricted Working Space, Add</i>	4.99	
23 05 29 00-0065	EA			2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	28.37	8.53
				<i>For Work In Restricted Working Space, Add</i>	5.13	
23 05 29 00-0066	EA			3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	29.90	8.98
				<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0067	EA			3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	33.04	10.48
				<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0068	EA			4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	35.10	10.48
				<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0069	EA			5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	43.55	12.53
				<i>For Work In Restricted Working Space, Add</i>	7.92	
23 05 29 00-0070	EA			6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	50.75	14.97
				<i>For Work In Restricted Working Space, Add</i>	8.98	
23 05 29 00-0071	EA			8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	67.66	18.71
				<i>For Work In Restricted Working Space, Add</i>	11.23	
23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)						
23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072)						
Note: Type 5.						
23 05 29 00-0074	EA			1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	13.83	5.92
				<i>For Work In Restricted Working Space, Add</i>	3.55	
23 05 29 00-0075	EA			3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	15.13	6.57
				<i>For Work In Restricted Working Space, Add</i>	3.94	
23 05 29 00-0076	EA			1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	16.57	7.29
				<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0077	EA			1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	18.27	8.10
				<i>For Work In Restricted Working Space, Add</i>	4.86	
23 05 29 00-0078	EA			1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	19.19	8.51
				<i>For Work In Restricted Working Space, Add</i>	5.10	
23 05 29 00-0079	EA			2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	20.63	8.92
				<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0080	EA			2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	24.00	9.32
				<i>For Work In Restricted Working Space, Add</i>	5.59	
23 05 29 00-0081	EA			3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	25.08	9.72
				<i>For Work In Restricted Working Space, Add</i>	5.94	
23 05 29 00-0082	EA			4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	30.07	10.94
				<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072)						
Note: Type 10.						
23 05 29 00-0084	EA			1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	15.89	7.48
				<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0085	EA			3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	16.75	7.48
				<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-0086	EA			1" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	17.63	8.23
				<i>For Work In Restricted Working Space, Add</i>	4.99	
23 05 29 00-0087	EA			1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	18.73	8.98
				<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0088	EA			1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	21.07	10.48
				<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0089	EA			2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	22.56	10.48
				<i>For Work In Restricted Working Space, Add</i>	6.41	
23 05 29 00-0090	EA			2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	24.95	11.22
				<i>For Work In Restricted Working Space, Add</i>	6.91	
23 05 29 00-0091	EA			3" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	26.95	12.72
				<i>For Work In Restricted Working Space, Add</i>	7.49	
23 05 29 00-0092	EA			3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	30.00	13.66
				<i>For Work In Restricted Working Space, Add</i>	8.20	
				<i>For 304 Stainless Steel, Add</i>	17.69	
				<i>For 316 Stainless Steel, Add</i>	22.78	
23 05 29 00-0093	EA			4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	32.62	14.97
				<i>For Work In Restricted Working Space, Add</i>	8.98	
23 05 29 00-0094	EA			5" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	39.24	16.84
				<i>For Work In Restricted Working Space, Add</i>	10.10	
				<i>For 304 Stainless Steel, Add</i>	36.76	
				<i>For 316 Stainless Steel, Add</i>	47.35	
23 05 29 00-0095	EA			6" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	43.08	18.71
				<i>For Work In Restricted Working Space, Add</i>	11.23	
				<i>For 304 Stainless Steel, Add</i>	37.36	
				<i>For 316 Stainless Steel, Add</i>	48.11	
23 05 29 00-0096	EA			8" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	51.62	22.45
				<i>For Work In Restricted Working Space, Add</i>	13.47	
				<i>For 304 Stainless Steel, Add</i>	44.35	
				<i>For 316 Stainless Steel, Add</i>	57.12	
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	16.26	7.48
For Work In Restricted Working Space, Add	4.49	
For 304 Stainless Steel, Add	8.51	
For 316 Stainless Steel, Add	10.97	
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	17.04	7.48
For Work In Restricted Working Space, Add	4.73	
For 304 Stainless Steel, Add	8.51	
For 316 Stainless Steel, Add	10.97	
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	17.92	8.23
For Work In Restricted Working Space, Add	4.99	
For 304 Stainless Steel, Add	8.51	
For 316 Stainless Steel, Add	10.97	
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	18.90	8.98
For Work In Restricted Working Space, Add	5.28	
For 304 Stainless Steel, Add	8.51	
For 316 Stainless Steel, Add	10.97	
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	21.35	10.48
For Work In Restricted Working Space, Add	5.99	
For 304 Stainless Steel, Add	9.24	
For 316 Stainless Steel, Add	11.90	
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	22.78	10.48
For Work In Restricted Working Space, Add	6.41	
For 304 Stainless Steel, Add	9.24	
For 316 Stainless Steel, Add	11.90	
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	26.70	11.22
For Work In Restricted Working Space, Add	6.91	
For 304 Stainless Steel, Add	24.22	
For 316 Stainless Steel, Add	31.20	
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	29.49	12.72
For Work In Restricted Working Space, Add	7.49	
For 304 Stainless Steel, Add	29.96	
For 316 Stainless Steel, Add	38.59	
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.22	13.66
For Work In Restricted Working Space, Add	8.20	
For 304 Stainless Steel, Add	32.34	
For 316 Stainless Steel, Add	41.65	
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	35.91	14.97
For Work In Restricted Working Space, Add	8.98	
For 304 Stainless Steel, Add	39.40	
For 316 Stainless Steel, Add	50.75	
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	39.72	16.84
For Work In Restricted Working Space, Add	10.10	
For 304 Stainless Steel, Add	39.93	
For 316 Stainless Steel, Add	51.43	
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	46.18	18.71
For Work In Restricted Working Space, Add	11.23	
For 304 Stainless Steel, Add	57.82	
For 316 Stainless Steel, Add	74.46	
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114)	24.98	5.99
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	3.59	
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114)	27.44	6.74
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.04	
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114)	30.46	7.86
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.72	
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114)	35.06	8.99
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	5.39	
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114)	49.02	10.11
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.07	
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114)	43.21	11.23
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.74	
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114)	53.90	13.47
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	8.09	
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114)	73.23	15.72
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	9.43	
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114)	86.81	18.72
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	11.23	
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110)		
Note: Type 43.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	36.94	10.58
<i>For Work In Restricted Working Space, Add</i>	6.10	
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	38.40	10.90
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For 304 Stainless Steel, Add</i>	109.56	
<i>For 316 Stainless Steel, Add</i>	141.10	
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	41.75	11.38
<i>For Work In Restricted Working Space, Add</i>	6.97	
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	49.03	12.20
<i>For Work In Restricted Working Space, Add</i>	7.32	
<i>For 304 Stainless Steel, Add</i>	162.62	
<i>For 316 Stainless Steel, Add</i>	209.44	
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	51.75	13.83
<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	58.53	14.89
<i>For Work In Restricted Working Space, Add</i>	8.93	
<i>For 304 Stainless Steel, Add</i>	189.88	
<i>For 316 Stainless Steel, Add</i>	244.55	
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	68.25	16.27
<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	94.13	20.34
<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	117.91	27.65
<i>For Work In Restricted Working Space, Add</i>	16.27	
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	154.64	30.50
<i>For Work In Restricted Working Space, Add</i>	18.30	
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	329.43	34.97
<i>For Work In Restricted Working Space, Add</i>	20.98	
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	414.41	40.66
<i>For Work In Restricted Working Space, Add</i>	24.40	
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120).....	35.84	10.58
<i>For Work In Restricted Working Space, Add</i>	6.10	
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120).....	38.63	10.90
<i>For Work In Restricted Working Space, Add</i>	6.54	
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120).....	40.45	11.38
<i>For Work In Restricted Working Space, Add</i>	6.97	
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120).....	46.32	12.20
<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120).....	51.63	13.83
<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120).....	56.40	14.89
<i>For Work In Restricted Working Space, Add</i>	8.93	
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120).....	69.64	16.27
<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120).....	90.82	20.34
<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120).....	117.15	27.65
<i>For Work In Restricted Working Space, Add</i>	16.27	
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120).....	152.64	30.50
<i>For Work In Restricted Working Space, Add</i>	18.30	
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120).....	166.06	34.97
<i>For Work In Restricted Working Space, Add</i>	20.98	
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120).....	200.64	40.66
<i>For Work In Restricted Working Space, Add</i>	24.40	
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120).....	271.55	50.83
<i>For Work In Restricted Working Space, Add</i>	30.50	
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120).....	336.53	61.00
<i>For Work In Restricted Working Space, Add</i>	36.60	
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	40.94	10.58
<i>For Work In Restricted Working Space, Add</i>	6.10	
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	46.18	10.90
<i>For Work In Restricted Working Space, Add</i>	6.54	
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122).....	48.50	11.38
<i>For Work In Restricted Working Space, Add</i>	6.97	
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	51.24	12.20
<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122).....	61.95	13.83
<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122).....	70.37	14.89
<i>For Work In Restricted Working Space, Add</i>	8.93	
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122).....	82.25	16.27
<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122).....	116.79	20.34
<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122).....	145.15	27.65
<i>For Work In Restricted Working Space, Add</i>	16.27	
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122).....	168.14	30.50
<i>For Work In Restricted Working Space, Add</i>	18.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122) <i>For Work In Restricted Working Space, Add</i>	240.27 20.98	34.97
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122) <i>For Work In Restricted Working Space, Add</i>	288.41 24.40	40.66
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122) <i>For Work In Restricted Working Space, Add</i>	326.16 30.50	50.83
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) <small>(23 05 29 00-0110)</small>		
23 05 29 00-0164 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	41.24 6.10	10.58
23 05 29 00-0165 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	46.44 6.54	10.90
23 05 29 00-0166 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	48.94 6.97	11.38
23 05 29 00-0167 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	50.86 7.32	12.20
23 05 29 00-0168 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	64.93 8.13	13.83
23 05 29 00-0169 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	73.88 8.93	14.89
23 05 29 00-0170 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	86.44 9.76	16.27
23 05 29 00-0171 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	123.28 12.20	20.34
23 05 29 00-0172 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	152.93 16.27	27.65
23 05 29 00-0173 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	177.24 18.30	30.50
23 05 29 00-0174 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	254.83 20.98	34.97
23 05 29 00-0175 Pipe And Riser Clamps <small>(23 05 29 00-0001)</small>		
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) <small>(23 05 29 00-0175)</small> Note: Type 4.		
23 05 29 00-0177 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	13.58 2.92	4.86
23 05 29 00-0178 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	13.74 2.96	4.94
23 05 29 00-0179 EA 1" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	13.94 3.02	5.02
23 05 29 00-0180 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	15.28 3.06	5.10
23 05 29 00-0181 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	15.44 3.11	5.18
23 05 29 00-0182 EA 2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	16.49 3.16	5.26
23 05 29 00-0183 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	17.17 3.26	5.43
23 05 29 00-0184 EA 3" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	18.24 3.36	5.59
23 05 29 00-0185 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	21.31 3.41	5.67
23 05 29 00-0186 EA 4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	24.54 4.37	7.29
23 05 29 00-0187 EA 5" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	35.37 5.84	9.72
23 05 29 00-0188 EA 6" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	48.71 7.29	12.15
23 05 29 00-0189 EA 8" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	57.36 8.51	14.18
23 05 29 00-0190 EA 10" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	84.71 9.73	16.21
23 05 29 00-0191 EA 12" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	116.53 10.70	17.83
23 05 29 00-0192 EA 14" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	190.69 11.67	19.45
23 05 29 00-0193 EA 16" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	206.69 12.64	21.07
23 05 29 00-0194 EA 18" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	338.53 13.62	22.69
23 05 29 00-0195 EA 20" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	391.94 14.59	24.31
23 05 29 00-0196 EA 24" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	511.99 16.05	26.74
23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <small>(23 05 29 00-0175)</small>		
23 05 29 00-0198 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	28.94 3.12	5.24
23 05 29 00-0199 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	38.46 3.12	5.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0200 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	42.30	5.42
<i>For Work In Restricted Working Space, Add</i>	3.26	
23 05 29 00-0201 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	68.35	5.61
<i>For Work In Restricted Working Space, Add</i>	3.39	
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	74.43	5.98
<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	128.60	5.98
<i>For Work In Restricted Working Space, Add</i>	3.58	
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	208.90	6.74
<i>For Work In Restricted Working Space, Add</i>	4.04	
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	265.32	7.48
<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0206 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	288.26	8.98
<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0207 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	901.06	10.48
<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0208 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,035.96	11.22
<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0209 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,327.59	11.98
<i>For Work In Restricted Working Space, Add</i>	7.18	
 23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)		
Note: Type 8.		
23 05 29 00-0211 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	13.81	4.49
<i>For Work In Restricted Working Space, Add</i>	2.69	
23 05 29 00-0212 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	14.41	4.56
<i>For Work In Restricted Working Space, Add</i>	2.74	
23 05 29 00-0213 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	14.62	4.64
<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0214 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	15.89	4.71
<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0215 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	16.54	4.78
<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0216 EA 2" Steel Riser Clamp (Cooper B-Line B3373).....	16.95	4.87
<i>For Work In Restricted Working Space, Add</i>	2.92	
23 05 29 00-0217 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	17.69	5.02
<i>For Work In Restricted Working Space, Add</i>	3.01	
23 05 29 00-0218 EA 3" Steel Riser Clamp (Cooper B-Line B3373).....	18.78	5.17
<i>For Work In Restricted Working Space, Add</i>	3.10	
23 05 29 00-0219 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	20.77	5.24
<i>For Work In Restricted Working Space, Add</i>	3.14	
23 05 29 00-0220 EA 4" Steel Riser Clamp (Cooper B-Line B3373).....	25.12	6.74
<i>For Work In Restricted Working Space, Add</i>	4.04	
23 05 29 00-0221 EA 5" Steel Riser Clamp (Cooper B-Line B3373).....	32.40	8.98
<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0222 EA 6" Steel Riser Clamp (Cooper B-Line B3373).....	41.14	11.22
<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0223 EA 8" Steel Riser Clamp (Cooper B-Line B3373).....	56.78	13.09
<i>For Work In Restricted Working Space, Add</i>	7.86	
23 05 29 00-0224 EA 10" Steel Riser Clamp (Cooper B-Line B3373).....	75.21	14.97
<i>For Work In Restricted Working Space, Add</i>	8.98	
23 05 29 00-0225 EA 12" Steel Riser Clamp (Cooper B-Line B3373).....	91.41	16.46
<i>For Work In Restricted Working Space, Add</i>	9.88	
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373).....	123.90	17.96
<i>For Work In Restricted Working Space, Add</i>	10.78	
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373).....	239.74	19.46
<i>For Work In Restricted Working Space, Add</i>	11.67	
 23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	25.31	4.49
<i>For Work In Restricted Working Space, Add</i>	2.69	
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	25.69	4.56
<i>For Work In Restricted Working Space, Add</i>	2.74	
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	26.79	4.64
<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	28.71	4.71
<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	32.57	4.78
<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	34.66	4.87
<i>For Work In Restricted Working Space, Add</i>	2.92	
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	37.59	5.02
<i>For Work In Restricted Working Space, Add</i>	3.01	
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	41.39	5.17
<i>For Work In Restricted Working Space, Add</i>	3.10	
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	56.12	6.74
<i>For Work In Restricted Working Space, Add</i>	4.04	
 23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)		
Note: Type 42		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	58.33 3.12	5.24
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	61.87 3.39	5.61
23 05 29 00-0241 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	68.01 3.59	5.98
23 05 29 00-0242 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	72.71 3.58	5.98
23 05 29 00-0243 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	88.11 4.04	6.74
23 05 29 00-0244 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	277.39 4.49	7.48
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	371.91 5.39	8.98
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	443.22 6.29	10.48
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	135.02 6.74	11.22
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	892.45 7.18	11.98
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	53.73 3.12	5.24
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	57.92 3.39	5.61
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	102.34 3.59	5.98
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	113.98 3.58	5.98
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	164.19 4.04	6.74
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	252.56 4.49	7.48
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	339.08 5.39	8.98
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	403.64 6.29	10.48
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	591.20 6.74	11.22
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	810.15 7.18	11.98
23 05 29 00-0260 Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260) Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	23.07 4.13	6.89
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	24.42 4.37	7.29
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	26.53 4.86	8.10
23 05 29 00-0265 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	28.62 5.10	8.51
23 05 29 00-0266 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	31.01 5.35	8.92
23 05 29 00-0267 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	38.71 5.59	9.32
23 05 29 00-0268 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	42.62 5.84	9.72
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	57.22 6.56	10.94
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	72.80 8.27	13.78
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	97.91 9.73	16.21
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260) Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	14.63 3.49	5.69
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	15.43 3.64	5.69
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	16.97 4.07	7.32
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	18.51 4.28	7.32
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	20.82 4.43	7.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	24.49 4.88	8.12
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	33.35 5.08	8.12
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	37.24 5.30	8.94
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	39.58 5.81	9.76
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0280) Note: Type 12.		
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	14.63 3.49	5.69
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	15.43 3.64	6.10
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	16.97 4.07	6.91
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	18.51 4.28	7.32
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	20.82 4.43	7.32
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	24.49 4.88	8.12
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	33.35 5.08	8.54
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	37.24 5.30	8.94
23 05 29 00-0291 Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0292 Standard Pipe Strap, Steel (Cooper B-Line B3180) (23 05 29 00-0291) Note: Type 26.		
23 05 29 00-0293 EA 1/2" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	11.84 2.44	4.07
23 05 29 00-0294 EA 3/4" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	12.48 2.57	4.87
23 05 29 00-0295 EA 1" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	13.13 2.71	4.87
23 05 29 00-0296 EA 1-1/4" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	14.07 2.87	4.87
23 05 29 00-0297 EA 1-1/2" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	15.85 3.05	5.69
23 05 29 00-0298 EA 2" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	16.71 3.25	5.69
23 05 29 00-0299 EA 2-1/2" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	20.12 3.49	5.69
23 05 29 00-0300 EA 3" Standard Pipe Strap, Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	23.61 3.75	5.69
23 05 29 00-0301 2-Hole Copper Straps (23 05 29 00-0291)		
23 05 29 00-0302 EA 1/2" 2-Hole Copper Straps..... <i>For Work In Restricted Working Space, Add</i>	4.25 1.22	
23 05 29 00-0303 EA 3/4" 2-Hole Copper Straps..... <i>For Work In Restricted Working Space, Add</i>	4.57 1.28	
23 05 29 00-0304 EA 1" 2-Hole Copper Straps..... <i>For Work In Restricted Working Space, Add</i>	2.21 0.56	
23 05 29 00-0305 Black Malleable Iron Clamps, 1 Hole (23 05 29 00-0291)		
23 05 29 00-0306 EA 1/2" Galvanized Steel Strap, 1 Hole..... <i>For Work In Restricted Working Space, Add</i>	2.00 0.41	
23 05 29 00-0307 EA 3/4" Galvanized Steel Strap, 1 Hole..... <i>For Work In Restricted Working Space, Add</i>	2.20 0.44	
23 05 29 00-0308 EA 1" Galvanized Steel Strap, 1 Hole..... <i>For Work In Restricted Working Space, Add</i>	2.71 0.47	
23 05 29 00-0309 EA 1-1/4" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	3.13 0.51	
23 05 29 00-0310 EA 1-1/2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	3.56 0.56	
23 05 29 00-0311 EA 2" Galvanized Steel Strap, 1 Hole..... <i>For Work In Restricted Working Space, Add</i>	4.75 0.61	
23 05 29 00-0312 Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0313 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0312) Note: Up to 750# load.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0314 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	97.63	8.98
For Galvanized, Add	15.93	
For Work In Restricted Working Space, Add	5.39	
23 05 29 00-0315 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	99.09	8.98
For Galvanized, Add	16.23	
For Work In Restricted Working Space, Add	5.39	
23 05 29 00-0316 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	104.85	8.98
For Galvanized, Add	17.38	
For Work In Restricted Working Space, Add	5.39	
23 05 29 00-0317 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket		
(Cooper B-Line B3066) (23 05 29 00-0312)		
Note: Up to 1500# load.		
23 05 29 00-0318 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	238.41	8.98
For Galvanized, Add	44.09	
For Work In Restricted Working Space, Add	5.39	
23 05 29 00-0319 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	279.86	8.98
For Galvanized, Add	52.38	
For Work In Restricted Working Space, Add	5.39	
23 05 29 00-0320 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	364.37	8.98
For Galvanized, Add	69.28	
For Work In Restricted Working Space, Add	5.39	
23 05 29 00-0321 Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0322 EA 1-1/2" Sway Bracing.....	83.13	9.88
For Work In Restricted Working Space, Add	5.91	
23 05 29 00-0323 EA 2" Sway Bracing.....	85.74	10.41
For Work In Restricted Working Space, Add	6.24	
23 05 29 00-0324 EA 3" Sway Bracing.....	88.89	11.00
For Work In Restricted Working Space, Add	6.60	
23 05 29 00-0325 EA 4" Sway Bracing.....	100.89	12.50
For Work In Restricted Working Space, Add	7.49	
23 05 29 00-0326 EA 6" Sway Bracing.....	148.16	18.71
For Work In Restricted Working Space, Add	11.23	
23 05 29 00-0327 EA 8" Sway Bracing.....	165.03	23.35
For Work In Restricted Working Space, Add	14.03	
23 05 29 00-0328 EA 10" Sway Bracing.....	187.69	31.21
For Work In Restricted Working Space, Add	18.71	
23 05 29 00-0329 Adjustable Pipe Stand With Saddle Up To 24" High (23 05 29 00-0001)		
23 05 29 00-0330 EA Up to 24" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe	109.12	7.48
For Work In Restricted Working Space, Add	4.49	
23 05 29 00-0331 EA Up to 24" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe	112.23	8.23
For Work In Restricted Working Space, Add	4.94	
23 05 29 00-0332 EA Up to 24" High Adjustable Pipe Stand With Saddle For 2" Pipe.....	122.44	9.36
For Work In Restricted Working Space, Add	5.61	
23 05 29 00-0333 EA Up to 24" High Adjustable Pipe Stand With Saddle For 2-1/2" Pipe	159.58	10.48
For Work In Restricted Working Space, Add	6.29	
23 05 29 00-0334 EA Up to 24" High Adjustable Pipe Stand With Saddle For 3" Pipe.....	165.09	11.60
For Work In Restricted Working Space, Add	6.96	
23 05 29 00-0335 EA Up to 24" High Adjustable Pipe Stand With Saddle For 3-1/2" Pipe	180.32	13.09
For Work In Restricted Working Space, Add	7.86	
23 05 29 00-0336 EA Up to 24" High Adjustable Pipe Stand With Saddle For 4" Pipe.....	207.68	14.22
For Work In Restricted Working Space, Add	8.53	
23 05 29 00-0337 EA Up to 24" High Adjustable Pipe Stand With Saddle For 5" Pipe.....	242.93	15.34
For Work In Restricted Working Space, Add	9.20	
23 05 29 00-0338 EA Up to 24" High Adjustable Pipe Stand With Saddle For 6" Pipe.....	248.60	16.84
For Work In Restricted Working Space, Add	10.10	
23 05 29 00-0339 EA Up to 24" High Adjustable Pipe Stand With Saddle For 8" Pipe.....	296.36	18.33
For Work In Restricted Working Space, Add	11.00	
23 05 29 00-0340 EA Up to 24" High Adjustable Pipe Stand With Saddle For 10" Pipe.....	313.96	20.21
For Work In Restricted Working Space, Add	12.12	
23 05 29 00-0341 EA Up to 24" High Adjustable Pipe Stand With Saddle For 12" Pipe.....	323.29	22.45
For Work In Restricted Working Space, Add	13.47	
23 05 29 00-0342 EA Up to 24" High Adjustable Pipe Stand With Saddle For 14" Pipe.....	395.74	24.70
For Work In Restricted Working Space, Add	14.82	
23 05 29 00-0343 EA Up to 24" High Adjustable Pipe Stand With Saddle For 16" Pipe.....	401.72	27.69
For Work In Restricted Working Space, Add	16.61	
23 05 29 00-0344 EA Up to 24" High Adjustable Pipe Stand With Saddle For 18" Pipe.....	542.46	30.68
For Work In Restricted Working Space, Add	18.41	
23 05 29 00-0345 EA Up to 24" High Adjustable Pipe Stand With Saddle For 20" Pipe.....	698.89	33.67
For Work In Restricted Working Space, Add	20.21	
23 05 29 00-0346 EA Up to 24" High Adjustable Pipe Stand With Saddle For 24" Pipe.....	792.62	33.67
For Work In Restricted Working Space, Add	20.21	
23 05 29 00-0347 Channel Mounted Cushion Clamp (23 05 29 00-0001)		
Note: Includes fastening into channel.		
23 05 29 00-0348 EA 1/2" Channel Mounted Cushion Clamp For 3/8" Pipe	10.26	3.36
23 05 29 00-0349 EA 5/8" Channel Mounted Cushion Clamp For 1/2" Pipe	10.79	3.74



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0350	EA			7/8" Channel Mounted Cushion Clamp For 3/4" Pipe.....	11.71	3.93
23 05 29 00-0351	EA			1-1/8" Channel Mounted Cushion Clamp For 1" Pipe.....	12.67	4.12
23 05 29 00-0352	EA			1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe.....	14.30	4.49
23 05 29 00-0353	EA			1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe.....	15.75	4.67
23 05 29 00-0354	EA			2-1/8" Channel Mounted Cushion Clamp For 2" Pipe.....	21.17	4.87
23 05 29 00-0355	EA			2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe.....	24.60	5.24
23 05 29 00-0356	EA			3-1/8" Channel Mounted Cushion Clamp For 3" Pipe.....	31.48	5.98
23 05 29 00-0357	EA			4-1/8" Channel Mounted Cushion Clamp For 4" Pipe.....	45.07	6.74
23 05 29 00-0358				Galvanized Steel Cushion Tube Clamp <small>(23 05 29 00-0001)</small>		
				Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0359	EA			1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe..... Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.70	
23 05 29 00-0360	EA			1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe..... Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.77	
23 05 29 00-0361	EA			5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe..... Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.81	
23 05 29 00-0362	EA			5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe..... Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.92	
23 05 29 00-0363	EA			7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe..... Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.79	
23 05 29 00-0364	EA			7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe..... Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.99	
23 05 29 00-0365	EA			1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe..... Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.87	
23 05 29 00-0366	EA			1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe..... Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.11	
23 05 29 00-0367	EA			1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe..... Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	3.12	
23 05 29 00-0368	EA			1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe..... Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.98	
23 05 29 00-0369	EA			1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe..... Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.08	
23 05 29 00-0370	EA			1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe..... Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	3.42	
23 05 29 00-0371	EA			1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe..... Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	3.10	
23 05 29 00-0372	EA			1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe..... Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	3.31	
23 05 29 00-0373	EA			1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe..... Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	3.67	
23 05 29 00-0374	EA			2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe..... Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	3.70	
23 05 29 00-0375	EA			2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe..... Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	3.90	
23 05 29 00-0376	EA			2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe..... Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.29	
23 05 29 00-0377	EA			2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe..... Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.41	
23 05 29 00-0378	EA			2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe..... Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.00	
23 05 29 00-0379	EA			2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe..... Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.04	
23 05 29 00-0380	EA			3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe..... Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.53	
23 05 29 00-0381	EA			3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe..... Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.00	
23 05 29 00-0382	EA			3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe..... Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.28	
23 05 29 00-0383	EA			3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe..... Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.68	
23 05 29 00-0384	EA			3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe..... Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.96	
23 05 29 00-0385	EA			3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe..... Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.06	
23 05 29 00-0386	EA			4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe..... Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.65	
23 05 29 00-0387	EA			4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe..... Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.06	
23 05 29 00-0388	EA			4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe..... Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.30	
23 05 29 00-0389				Rooftop Pipe Supports <small>(23 05 29 00-0001)</small>		
				Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0390				Rooftop Support Base <small>(23 05 29 00-0389)</small>		
23 05 29 00-0391	EA			4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	24.02	6.10
23 05 29 00-0392	EA			4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	34.49	8.12
23 05 29 00-0393				Rooftop Support Base With 14 Gauge Galvanized Channel <small>(23 05 29 00-0389)</small>		
23 05 29 00-0394	EA			5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	30.32	6.10

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0395 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	43.94	8.12
23 05 29 00-0396 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	78.38	10.16
23 05 29 00-0397 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	103.96	12.19
23 05 29 00-0398 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	122.66	14.23
23 05 29 00-0399 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	144.20	16.26
23 05 29 00-0400 Rooftop Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0389)</small>		
23 05 29 00-0401 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	51.25	8.12
23 05 29 00-0402 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	92.90	10.16
23 05 29 00-0403 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	123.87	12.19
23 05 29 00-0404 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	190.21	14.23
23 05 29 00-0405 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	216.11	12.19
23 05 29 00-0406 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0389)</small>		
23 05 29 00-0407 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	97.46	12.19
23 05 29 00-0408 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	109.45	14.23
23 05 29 00-0409 EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	114.94	16.26
23 05 29 00-0410 EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	124.60	18.29
23 05 29 00-0411 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	137.08	20.33
23 05 29 00-0412 Rooftop Pipe Support Base And Rod <small>(23 05 29 00-0389)</small>		
23 05 29 00-0413 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	56.84	8.12
23 05 29 00-0414 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	56.84	8.12
23 05 29 00-0415 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	57.24	8.12
23 05 29 00-0416 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	61.62	10.16
23 05 29 00-0417 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	61.72	10.16
23 05 29 00-0418 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	62.23	10.16
23 05 29 00-0419 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0389)</small>		
23 05 29 00-0420 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	90.56	8.12
23 05 29 00-0421 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	101.53	8.12
23 05 29 00-0422 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	133.23	10.16
23 05 29 00-0423 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	186.75	10.16
23 05 29 00-0424 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	242.72	10.16
23 05 29 00-0425 Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0389)</small>		
Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0426 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	89.64	12.19
23 05 29 00-0427 Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0389)</small>		
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0428 EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	66.80	10.16
23 05 29 00-0429 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	84.46	12.19
23 05 29 00-0430 EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	96.04	14.23
23 05 29 00-0431 Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0389)</small>		
Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0432 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	274.21	16.26
23 05 29 00-0433 EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	277.25	16.26
23 05 29 00-0434 EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	288.32	16.26
23 05 29 00-0435 EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	313.31	16.26
23 05 29 00-0436 EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	276.03	16.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0437 EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	279.28	16.26
23 05 29 00-0438 EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	290.05	16.26
23 05 29 00-0439 EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	315.14	16.26
23 05 29 00-0440 EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	281.21	16.26
23 05 29 00-0441 EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	284.67	16.26
23 05 29 00-0442 EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	295.54	16.26
23 05 29 00-0443 EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	320.52	16.26
23 05 29 00-0444 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	293.81	16.26
23 05 29 00-0445 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	297.16	16.26
23 05 29 00-0446 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	307.72	16.26
23 05 29 00-0447 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	332.91	16.26
23 05 29 00-0448 Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0449 Threaded Rod And Rod Accessories (23 05 29 00-0448)		
23 05 29 00-0450 Threaded Rod (23 05 29 00-0449) Note: Fully threaded.		
23 05 29 00-0451 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.47	0.51
For Galvanized, Add	0.58	
For Zinc Plated, Add	0.41	
For Work In Restricted Working Space, Add	0.31	
23 05 29 00-0452 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.39	0.54
For Galvanized, Add	0.92	
For Zinc Plated, Add	0.66	
For Work In Restricted Working Space, Add	0.32	
23 05 29 00-0453 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.70	0.56
For Galvanized, Add	1.43	
For Zinc Plated, Add	1.02	
For Work In Restricted Working Space, Add	0.34	
23 05 29 00-0454 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.66	0.57
For Galvanized, Add	2.60	
For Zinc Plated, Add	1.85	
For Work In Restricted Working Space, Add	0.35	
23 05 29 00-0455 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.34	0.59
For Galvanized, Add	2.86	
For Zinc Plated, Add	2.03	
For Work In Restricted Working Space, Add	0.36	
23 05 29 00-0456 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.39	0.67
For Galvanized, Add	4.01	
For Zinc Plated, Add	2.86	
For Work In Restricted Working Space, Add	0.41	
23 05 29 00-0457 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.15	0.76
For Galvanized, Add	5.06	
For Zinc Plated, Add	3.61	
For Work In Restricted Working Space, Add	0.45	
23 05 29 00-0458 Rod Couplings (23 05 29 00-0449)		
23 05 29 00-0459 EA 3/8" Diameter, Threaded Rod Coupling Nut	5.88	
For Work In Restricted Working Space, Add	1.50	
23 05 29 00-0460 EA 1/2" Diameter, Threaded Rod Coupling Nut	6.66	
For Work In Restricted Working Space, Add	1.66	
23 05 29 00-0461 EA 5/8" Diameter, Threaded Rod Coupling Nut	8.22	
For Work In Restricted Working Space, Add	1.87	
23 05 29 00-0462 EA 3/4" Diameter, Threaded Rod Coupling Nut	9.90	
For Work In Restricted Working Space, Add	2.04	
23 05 29 00-0463 EA 7/8" Diameter, Threaded Rod Coupling Nut	14.15	
For Work In Restricted Working Space, Add	2.25	
23 05 29 00-0464 EA 1" Diameter, Threaded Rod Coupling Nut	16.77	
For Work In Restricted Working Space, Add	2.64	
23 05 29 00-0465 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	31.06	
For Work In Restricted Working Space, Add	2.99	
23 05 29 00-0466 Flat Washers (23 05 29 00-0449) Note: Zinc plated.		
23 05 29 00-0467 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.42	0.16
For Galvanized, Add	0.02	
For Work In Restricted Working Space, Add	0.10	
23 05 29 00-0468 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.55	0.16
For Galvanized, Add	0.04	
For Work In Restricted Working Space, Add	0.11	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0469	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.78	0.24
			<i>For Galvanized, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	0.14	
23 05 29 00-0470	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.05	0.24
			<i>For Galvanized, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	0.17	
23 05 29 00-0471	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.23	0.32
			<i>For Galvanized, Add</i>	0.14	
			<i>For Work In Restricted Working Space, Add</i>	0.20	
23 05 29 00-0472	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.44	0.32
			<i>For Galvanized, Add</i>	0.17	
			<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0473	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.62	0.40
			<i>For Galvanized, Add</i>	0.19	
			<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0474			Hex Nuts <small>(23 05 29 00-0449)</small>		
			Note: Grade 2 and zinc plated.		
23 05 29 00-0475	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.52	0.20
			<i>For Galvanized, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	0.14	
23 05 29 00-0476	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.64	0.20
			<i>For Galvanized, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	0.15	
23 05 29 00-0477	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.86	0.20
			<i>For Galvanized, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	0.16	
23 05 29 00-0478	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.00	0.40
			<i>For Galvanized, Add</i>	0.11	
			<i>For Work In Restricted Working Space, Add</i>	0.17	
23 05 29 00-0479	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.41	0.40
			<i>For Galvanized, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	0.18	
23 05 29 00-0480	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.79	0.40
			<i>For Galvanized, Add</i>	0.28	
			<i>For Work In Restricted Working Space, Add</i>	0.20	
23 05 29 00-0481	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.88	0.40
			<i>For Galvanized, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0482			Turnbuckle (Cooper B-Line B3202) <small>(23 05 29 00-0449)</small>		
			Note: Type 13.		
23 05 29 00-0483	EA		3/8" Turnbuckle Type-13.....	21.09	4.07
			<i>For Work In Restricted Working Space, Add</i>	2.44	
23 05 29 00-0484	EA		1/2" Turnbuckle Type-13.....	25.15	4.47
			<i>For Work In Restricted Working Space, Add</i>	2.71	
23 05 29 00-0485	EA		5/8" Turnbuckle Type-13.....	27.02	4.87
			<i>For Work In Restricted Working Space, Add</i>	3.05	
23 05 29 00-0486	EA		3/4" Turnbuckle Type-13.....	34.20	5.69
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0487	EA		7/8" Turnbuckle Type-13.....	44.51	6.10
			<i>For Work In Restricted Working Space, Add</i>	4.07	
23 05 29 00-0488	EA		1" Turnbuckle Type-13.....	55.33	6.51
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0489	EA		1-1/8" Turnbuckle Type-13.....	77.12	7.32
			<i>For Work In Restricted Working Space, Add</i>	6.10	
23 05 29 00-0490			Welded Eye Rod <small>(23 05 29 00-0449)</small>		
23 05 29 00-0491	EA		3/8" Welded Eye Rod.....	25.53	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0492	EA		1/2" Welded Eye Rod.....	34.74	6.75
			<i>For Work In Restricted Working Space, Add</i>	4.07	
23 05 29 00-0493	EA		5/8" Welded Eye Rod.....	47.77	8.13
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0494	EA		3/4" Welded Eye Rod.....	60.30	10.16
			<i>For Work In Restricted Working Space, Add</i>	6.10	
23 05 29 00-0495	EA		7/8" Welded Eye Rod.....	75.56	13.58
			<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0496	EA		1" Welded Eye Rod.....	102.41	20.34
			<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 29 00-0497			Welded Linked Eye Rod <small>(23 05 29 00-0449)</small>		
23 05 29 00-0498	EA		3/8" Welded Linked Eye Rod.....	31.00	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0499	EA		1/2" Welded Linked Eye Rod.....	35.35	6.75
			<i>For Work In Restricted Working Space, Add</i>	4.07	
23 05 29 00-0500	EA		5/8" Welded Linked Eye Rod.....	43.51	8.13
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0501	EA		3/4" Welded Linked Eye Rod.....	57.89	10.16
			<i>For Work In Restricted Working Space, Add</i>	6.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0502 EA 7/8" Welded Linked Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	72.52 8.13	13.58
23 05 29 00-0503 EA 1" Welded Linked Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	101.22 12.20	20.34
23 05 29 00-0504 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0449) Note: Type 15.		
23 05 29 00-0505 EA 3/8" Swivel Turnbuckle Type-15..... <i>For Work In Restricted Working Space, Add</i>	12.89 2.44	4.07
23 05 29 00-0506 EA 1/2" Swivel Turnbuckle Type-15..... <i>For Work In Restricted Working Space, Add</i>	14.98 2.71	4.55
23 05 29 00-0507 EA 5/8" Swivel Turnbuckle Type-15..... <i>For Work In Restricted Working Space, Add</i>	20.15 3.05	5.05
23 05 29 00-0508 EA 3/4" Swivel Turnbuckle Type-15..... <i>For Work In Restricted Working Space, Add</i>	24.47 3.49	5.77
23 05 29 00-0509 Forged Steel Clevis Type 14 (23 05 29 00-0449)		
23 05 29 00-0510 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	72.21 4.49	7.48
23 05 29 00-0511 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	107.50 4.73	7.86
23 05 29 00-0512 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	116.34 4.99	8.23
23 05 29 00-0513 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	121.11 5.28	8.98
23 05 29 00-0514 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	127.23 5.99	10.10
23 05 29 00-0515 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	213.13 7.86	13.09
23 05 29 00-0516 EA 5-1/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	231.10 8.98	14.97
23 05 29 00-0517 EA 7" Forged Steel Clevis With Pin, 2" Rod Size, Type 14..... <i>For Work In Restricted Working Space, Add</i>	272.10 11.23	18.71
23 05 29 00-0518 Attachments (23 05 29 00-0448)		
23 05 29 00-0519 Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0518) Note: Type 22.		
23 05 29 00-0520 EA 3/8" Rod Size, Welded Beam Attachment..... <i>For Work In Restricted Working Space, Add</i>	30.89 4.55	7.58
23 05 29 00-0521 EA 1/2" Rod Size, Welded Beam Attachment..... <i>For Work In Restricted Working Space, Add</i>	32.92 4.79	7.96
23 05 29 00-0522 EA 5/8" Rod Size, Welded Beam Attachment..... <i>For Work In Restricted Working Space, Add</i>	35.04 5.06	8.42
23 05 29 00-0523 EA 3/4" Rod Size, Welded Beam Attachment..... <i>For Work In Restricted Working Space, Add</i>	44.18 5.35	8.95
23 05 29 00-0524 EA 7/8" Rod Size, Welded Beam Attachment..... <i>For Work In Restricted Working Space, Add</i>	52.66 5.69	9.48
23 05 29 00-0525 EA 1" Rod Size, Welded Beam Attachment..... <i>For Work In Restricted Working Space, Add</i>	73.12 6.50	10.84
23 05 29 00-0526 EA 1-1/8" Rod Size, Welded Beam Attachment..... <i>For Work In Restricted Working Space, Add</i>	102.43 6.83	11.37
23 05 29 00-0527 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0518) Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0528 EA 3/8" Rod Size, C-Clamp Style Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	12.08 3.05	4.15
23 05 29 00-0529 EA 1/2" Rod Size, C-Clamp Style Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	14.18 3.26	5.29
23 05 29 00-0530 EA 5/8" Rod Size, C-Clamp Style Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	15.95 3.49	5.69
23 05 29 00-0531 EA 3/4" Rod Size, C-Clamp Style Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	20.02 3.75	6.10
23 05 29 00-0532 EA 7/8" Rod Size, C-Clamp Style Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	28.16 4.07	6.51
23 05 29 00-0533 Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0518) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0534 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	30.44 4.07	5.69
23 05 29 00-0535 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	43.73 4.44	7.32
23 05 29 00-0536 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	61.53 4.88	8.13
23 05 29 00-0537 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	73.36 5.42	8.94
23 05 29 00-0538 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	173.00 6.10	9.76

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0539 Steel U-Bolts (B-Line B-3188) (23 05 29 00-0518) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0540 EA 1/2" Pipe Size, Steel U-Bolt .....9.81		2.03
For Work In Restricted Working Space, Add	2.44	
23 05 29 00-0541 EA 3/4" Pipe Size, Steel U-Bolt .....10.61		2.44
For Work In Restricted Working Space, Add	2.57	
23 05 29 00-0542 EA 1" Pipe Size, Steel U-Bolt .....11.37		2.44
For Work In Restricted Working Space, Add	2.71	
23 05 29 00-0543 EA 1-1/4" Pipe Size, Steel U-Bolt .....12.79		2.44
For Work In Restricted Working Space, Add	2.87	
23 05 29 00-0544 EA 1-1/2" Pipe Size, Steel U-Bolt .....13.27		2.85
For Work In Restricted Working Space, Add	3.05	
23 05 29 00-0545 EA 2" Pipe Size, Steel U-Bolt .....14.20		2.85
For Work In Restricted Working Space, Add	3.25	
23 05 29 00-0546 EA 2-1/2" Pipe Size, Steel U-Bolt .....19.66		2.85
For Work In Restricted Working Space, Add	3.49	
23 05 29 00-0547 EA 3" Pipe Size, Steel U-Bolt .....21.61		3.25
For Work In Restricted Working Space, Add	3.75	
23 05 29 00-0548 EA 4" Pipe Size, Steel U-Bolt .....25.80		3.65
For Work In Restricted Working Space, Add	4.07	
23 05 29 00-0549 Standoff Brackets With Flange Copper (23 05 29 00-0518) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0550 EA Clamp Size 1/2", Standoff Brackets With Flange Copper .....28.41		11.63
For Work In Restricted Working Space, Add	6.97	
23 05 29 00-0551 EA Clamp Size 3/4", Standoff Brackets With Flange Copper .....28.73		11.63
For Work In Restricted Working Space, Add	6.97	
23 05 29 00-0552 EA Clamp Size 1", Standoff Brackets With Flange Copper .....29.04		11.63
For Work In Restricted Working Space, Add	6.97	
23 05 29 00-0553 EA Clamp Size 1 1/4", Standoff Brackets With Flange Copper .....31.08		12.36
For Work In Restricted Working Space, Add	7.40	
23 05 29 00-0554 EA Clamp Size 1 1/2", Standoff Brackets With Flange Copper .....31.72		12.36
For Work In Restricted Working Space, Add	7.40	
23 05 29 00-0555 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0518) Note: Type 16.		
23 05 29 00-0556 EA 3/8" Rod Size, Malleable Iron Eye Socket .....6.73		1.22
For Work In Restricted Working Space, Add	0.74	
23 05 29 00-0557 EA 1/2" Rod Size, Malleable Iron Eye Socket .....8.59		1.62
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0558 EA 5/8" Rod Size, Malleable Iron Eye Socket .....14.25		1.62
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0559 EA 3/4" Rod Size, Malleable Iron Eye Socket .....19.78		1.62
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0560 EA 7/8" Rod Size, Malleable Iron Eye Socket .....21.49		2.03
For Work In Restricted Working Space, Add	1.22	
23 05 29 00-0561 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0518) Note: Type 17.		
23 05 29 00-0562 EA 3/8" Rod Size, Steel Weldless Eye Nut .....20.66		1.22
For Work In Restricted Working Space, Add	0.74	
23 05 29 00-0563 EA 1/2" Rod Size, Steel Weldless Eye Nut .....21.44		1.62
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0564 EA 5/8" Rod Size, Steel Weldless Eye Nut .....21.47		1.62
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0565 EA 3/4" Rod Size, Steel Weldless Eye Nut .....21.44		1.62
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0566 EA 7/8" Rod Size, Steel Weldless Eye Nut .....41.19		1.79
For Work In Restricted Working Space, Add	1.10	
23 05 29 00-0567 EA 1" Rod Size, Steel Weldless Eye Nut .....41.60		2.03
For Work In Restricted Working Space, Add	1.22	
23 05 29 00-0568 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0518) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0569 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp .....15.30		3.78
For Work In Restricted Working Space, Add	2.27	
23 05 29 00-0570 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp .....18.24		4.17
For Work In Restricted Working Space, Add	2.51	
23 05 29 00-0571 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp .....21.90		4.55
For Work In Restricted Working Space, Add	2.76	
23 05 29 00-0572 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp .....29.44		4.93
For Work In Restricted Working Space, Add	2.90	
23 05 29 00-0573 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp .....44.42		5.68
For Work In Restricted Working Space, Add	3.41	
23 05 29 00-0574 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp .....16.02		3.78
For Work In Restricted Working Space, Add	2.27	
23 05 29 00-0575 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp .....19.25		4.17
For Work In Restricted Working Space, Add	2.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0576 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	21.90 2.76	4.55
23 05 29 00-0577 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	32.10 2.90	4.93
23 05 29 00-0578 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	48.98 3.41	5.68
23 05 29 00-0579 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	17.68 2.27	3.78
23 05 29 00-0580 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	21.13 2.51	4.17
23 05 29 00-0581 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.29 2.76	4.55
23 05 29 00-0582 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	37.09 2.90	4.93
23 05 29 00-0583 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	58.72 3.41	5.68
23 05 29 00-0584 Side Beam Brackets (B-Line B-3062) <small>(23 05 29 00-0518)</small>		
<i>Note: Type 34.</i>		
23 05 29 00-0585 EA 3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	13.27 3.05	5.29
23 05 29 00-0586 EA 1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	15.46 3.26	5.29
23 05 29 00-0587 EA 5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	19.49 3.49	5.69
23 05 29 00-0588 EA 3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	32.87 3.75	6.10
23 05 29 00-0589 EA 7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	38.25 4.07	6.91
23 05 29 00-0590 Hex Lag Bolts <small>(23 05 29 00-0518)</small>		
<i>Note: Also known as coach screws.</i>		
23 05 29 00-0591 EA 3/8" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.18 0.51	
23 05 29 00-0592 EA 3/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.16 0.53	
23 05 29 00-0593 EA 3/8" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.41 0.54	
23 05 29 00-0594 EA 3/8" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.86 0.56	
23 05 29 00-0595 EA 3/8" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.04 0.59	
23 05 29 00-0596 EA 3/8" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.00 0.61	
23 05 29 00-0597 EA 1/2" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.97 0.61	
23 05 29 00-0598 EA 1/2" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.91 0.63	
23 05 29 00-0599 EA 1/2" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.35 0.66	
23 05 29 00-0600 EA 1/2" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.85 0.69	
23 05 29 00-0601 EA 1/2" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.50 0.73	
23 05 29 00-0602 EA 1/2" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.81 0.76	
23 05 29 00-0603 EA 5/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.10 0.68	
23 05 29 00-0604 EA 3/4" x 5" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.78 0.69	
23 05 29 00-0605 Shields And Saddles <small>(23 05 29)</small>		
23 05 29 00-0606 Pipe Covering Protection Shield Type 40 <small>(23 05 29 00-0605)</small>		
<i>Note: Length variable with pipe size.</i>		
23 05 29 00-0607 EA Pipe Cover Shield, <3-1/2" Outside Diameter, 16 Gauge, Shield Type 40 <i>For Work In Restricted Working Space, Add</i>	13.00 0.81	1.22
23 05 29 00-0608 EA Pipe Cover Shield, 3-1/2" - 6" Outside Diameter, 16 Gauge, Shield Type 40..... <i>For Work In Restricted Working Space, Add</i>	15.47 0.87	1.30
23 05 29 00-0609 EA Pipe Cover Shield, 6" - 9" Outside Diameter, 14 Gauge, Shield Type 40 <i>For Work In Restricted Working Space, Add</i>	24.88 0.94	1.38
23 05 29 00-0610 EA Pipe Cover Shield, 9" - 11" Outside Diameter, 14 Gauge, Shield Type 40..... <i>For Work In Restricted Working Space, Add</i>	32.62 1.01	1.62
23 05 29 00-0611 EA Pipe Cover Shield, 11" - 14" Outside Diameter, 14 Gauge, Shield Type 40 <i>For Work In Restricted Working Space, Add</i>	63.21 1.11	1.79
23 05 29 00-0612 EA Pipe Cover Shield, 14" - 17" Outside Diameter, 11 Gauge, Shield Type 40 <i>For Work In Restricted Working Space, Add</i>	72.21 1.22	2.03
23 05 29 00-0613 EA Pipe Cover Shield, 17" - 20" Outside Diameter, 11 Gauge, Shield Type 40 <i>For Work In Restricted Working Space, Add</i>	149.82 1.36	2.20
23 05 29 00-0614 EA Pipe Cover Shield, 20" - 22" Outside Diameter, 7 Gauge, Shield Type 40..... <i>For Work In Restricted Working Space, Add</i>	166.52 1.53	2.44

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0615 EA Pipe Cover Shield, 22" - 26" Outside Diameter, 7 Gauge, Shield Type 40 <i>For Work In Restricted Working Space, Add</i>	200.81 1.74	2.85
23 05 29 00-0616 Pipe Covering Protection Saddle (23 05 29 00-0605) Note: Type 39, sizes are pipe sizes.		
23 05 29 00-0617 Saddle Type 39 For 1" Insulation (23 05 29 00-0616)		
23 05 29 00-0618 EA 3/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	17.98 3.03	2.65
23 05 29 00-0619 EA 1" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	18.70 3.25	2.65
23 05 29 00-0620 EA 1-1/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	19.53 3.50	3.03
23 05 29 00-0621 EA 1-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	21.18 3.79	3.41
23 05 29 00-0622 EA 2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.34 4.14	3.41
23 05 29 00-0623 EA 2-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.71 4.55	3.79
23 05 29 00-0624 EA 3" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	29.12 5.06	4.17
23 05 29 00-0625 EA 4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.11 5.69	4.93
23 05 29 00-0626 Saddle, Type 39 For 1-1/2" Insulation (23 05 29 00-0616)		
23 05 29 00-0627 EA 1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	19.93 3.03	2.65
23 05 29 00-0628 EA 2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	20.77 3.03	2.65
23 05 29 00-0629 EA 2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.25 3.50	3.03
23 05 29 00-0630 EA 3" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.22 3.79	3.41
23 05 29 00-0631 EA 4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	26.59 4.14	3.41
23 05 29 00-0632 EA 6" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	33.46 4.55	3.79
23 05 29 00-0633 EA 8" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	39.89 5.06	4.17
23 05 29 00-0634 EA 10" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	41.99 5.69	4.93
23 05 29 00-0635 EA 12" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	55.36 6.50	5.31
23 05 29 00-0636 Saddle, Type 39 For 2" Insulation (23 05 29 00-0616)		
23 05 29 00-0637 EA 2-1/2" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.17 3.03	2.65
23 05 29 00-0638 EA 3" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.89 3.25	2.65
23 05 29 00-0639 EA 4" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.86 3.50	3.03
23 05 29 00-0640 EA 6" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.98 3.79	3.41
23 05 29 00-0641 EA 8" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	33.87 4.14	3.41
23 05 29 00-0642 EA 10" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	40.74 4.55	3.79
23 05 29 00-0643 EA 12" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	54.74 5.06	4.17
23 05 29 00-0644 EA 14" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	56.84 5.69	4.93
23 05 29 00-0645 EA 16" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	62.17 6.50	5.31
23 05 29 00-0646 Saddle, Type 39 For 2-1/2" Insulation (23 05 29 00-0616)		
23 05 29 00-0647 EA 3" Pipe Saddle, Type 39 (For 2-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.31 3.03	2.65
23 05 29 00-0648 EA 4" Pipe Saddle, Type 39 (For 2-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.03 3.25	2.65
23 05 29 00-0649 EA 6" Pipe Saddle, Type 39 (For 2-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.01 3.50	3.03
23 05 29 00-0650 EA 8" Pipe Saddle, Type 39 (For 2-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.71 3.79	3.41
23 05 29 00-0651 EA 10" Pipe Saddle, Type 39 (For 2-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	39.37 4.14	3.41
23 05 29 00-0652 EA 12" Pipe Saddle, Type 39 (For 2-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	53.05 4.55	3.79
23 05 29 00-0653 EA 14" Pipe Saddle, Type 39 (For 2-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	54.74 5.06	4.17



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0654	EA			16" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	59.46 5.69	4.93
23 05 29 00-0655	EA			18" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	62.17 6.50	5.31
23 05 29 00-0656 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0605)						
Note: Type 38.						
23 05 29 00-0657	EA			2-1/2" Adjustable Pipe Saddle Support, Type 38.....	73.22	10.16
23 05 29 00-0658	EA			3" Adjustable Pipe Saddle Support, Type 38.....	77.35	11.79
23 05 29 00-0659	EA			4" Adjustable Pipe Saddle Support, Type 38.....	94.16	13.42
23 05 29 00-0660	EA			5" Adjustable Pipe Saddle Support, Type 38.....	98.04	14.63
23 05 29 00-0661	EA			6" Adjustable Pipe Saddle Support, Type 38.....	108.78	16.27
23 05 29 00-0662	EA			8" Adjustable Pipe Saddle Support, Type 38.....	123.16	20.34
23 05 29 00-0663	EA			10" Adjustable Pipe Saddle Support, Type 38.....	160.91	27.24
23 05 29 00-0664	EA			12" Adjustable Pipe Saddle Support, Type 38.....	196.87	40.66
23 05 29 00-0665 Pipe Stanchion Support Type 37 (23 05 29 00-0605)						
23 05 29 00-0666	EA			2-1/2" Pipe Support With U-Bolt, Type 37.....	91.29	10.16
23 05 29 00-0667	EA			3" Pipe Support With U-Bolt, Type 37.....	94.19	11.79
23 05 29 00-0668	EA			3-1/2" Pipe Support With U-Bolt, Type 37.....	100.87	12.61
23 05 29 00-0669	EA			4" Pipe Support With U-Bolt, Type 37.....	102.77	13.42
23 05 29 00-0670	EA			5" Pipe Support With U-Bolt, Type 37.....	107.95	14.63
23 05 29 00-0671	EA			6" Pipe Support With U-Bolt, Type 37.....	114.23	16.27
23 05 29 00-0672	EA			8" Pipe Support With U-Bolt, Type 37.....	145.15	20.34
23 05 29 00-0673	EA			10" Pipe Support With U-Bolt, Type 37.....	195.90	27.24
23 05 29 00-0674	EA			12" Pipe Support With U-Bolt, Type 37.....	254.78	40.66
23 05 29 00-0675 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0605)						
Note: Type 36.						
23 05 29 00-0676	EA			2-1/2" Pipe Saddle Support, Type 36.....	45.48	10.16
23 05 29 00-0677	EA			3" Pipe Saddle Support, Type 36.....	48.38	11.79
23 05 29 00-0678	EA			3-1/2" Pipe Saddle Support, Type 36.....	74.31	12.61
23 05 29 00-0679	EA			4" Pipe Saddle Support, Type 36.....	76.21	13.42
23 05 29 00-0680	EA			5" Pipe Saddle Support, Type 36.....	83.87	14.63
23 05 29 00-0681	EA			6" Pipe Saddle Support, Type 36.....	92.95	16.27
23 05 29 00-0682	EA			8" Pipe Saddle Support, Type 36.....	106.15	20.34
23 05 29 00-0683	EA			10" Pipe Saddle Support, Type 36.....	122.89	27.24
23 05 29 00-0684	EA			12" Pipe Saddle Support, Type 36.....	153.45	40.66
23 05 29 00-0685 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0605)						
Note: Insert is for use as isolated protective insulation at hangers.						
23 05 29 00-0686 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0685)						
23 05 29 00-0687	EA			1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.74	5.29
23 05 29 00-0688	EA			3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.92	5.29
23 05 29 00-0689	EA			1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.97	5.29
23 05 29 00-0690	EA			1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.16	5.29
23 05 29 00-0691	EA			1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.01	5.61
23 05 29 00-0692	EA			2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.56	5.77
23 05 29 00-0693	EA			2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.21	6.01
23 05 29 00-0694	EA			3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.93	6.26
23 05 29 00-0695	EA			4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.14	6.50
23 05 29 00-0696	EA			6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.75	5.61
23 05 29 00-0697	EA			8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.42	7.32
23 05 29 00-0698	EA			10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.03	8.62
23 05 29 00-0699	EA			12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.30	10.00
23 05 29 00-0700	EA			14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.33	10.32
23 05 29 00-0701 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0685)						
23 05 29 00-0702	EA			1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	9.93	3.99
23 05 29 00-0703	EA			3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.86	3.99
23 05 29 00-0704	EA			1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.09	4.07
23 05 29 00-0705	EA			1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.45	4.15
23 05 29 00-0706	EA			1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.78	4.15
23 05 29 00-0707	EA			2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.37	4.31
23 05 29 00-0708	EA			2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.05	4.47
23 05 29 00-0709	EA			3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.42	4.55
23 05 29 00-0710	EA			4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.74	4.95
23 05 29 00-0711	EA			6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.31	8.54
23 05 29 00-0712	EA			8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.81	6.42
23 05 29 00-0713	EA			10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.92	7.56
23 05 29 00-0714	EA			12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.21	8.70
23 05 29 00-0715	EA			14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.18	10.48

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0716			2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0685)		
23 05 29 00-0717	EA		1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.52	4.55
23 05 29 00-0718	EA		3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.67	4.55
23 05 29 00-0719	EA		1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.11	4.63
23 05 29 00-0720	EA		1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.49	4.71
23 05 29 00-0721	EA		1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.90	4.79
23 05 29 00-0722	EA		2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.47	4.95
23 05 29 00-0723	EA		2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.27	5.12
23 05 29 00-0724	EA		3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.03	5.29
23 05 29 00-0725	EA		4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.67	5.61
23 05 29 00-0726	EA		6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.34	6.34
23 05 29 00-0727	EA		8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.46	10.81
23 05 29 00-0728	EA		10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.79	12.51
23 05 29 00-0729	EA		12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.55	14.79
23 05 29 00-0730	EA		14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	47.72	16.58
23 05 29 00-0731	EA		16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.35	18.70
23 05 29 00-0732	EA		18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.28	21.95
23 05 29 00-0733	EA		20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.05	24.38
23 05 29 00-0734	EA		24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.91	27.64
23 05 29 00-0735			2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0685)		
23 05 29 00-0736	EA		1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.50	5.29
23 05 29 00-0737	EA		3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.67	5.29
23 05 29 00-0738	EA		1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.21	5.37
23 05 29 00-0739	EA		1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.60	5.45
23 05 29 00-0740	EA		1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.00	5.45
23 05 29 00-0741	EA		2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.71	5.69
23 05 29 00-0742	EA		2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.61	5.85
23 05 29 00-0743	EA		3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.47	6.10
23 05 29 00-0744	EA		4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.32	6.42
23 05 29 00-0745	EA		6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.41	7.32
23 05 29 00-0746	EA		8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.55	8.12
23 05 29 00-0747	EA		10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.46	9.34
23 05 29 00-0748	EA		12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.22	11.63
23 05 29 00-0749	EA		14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.58	12.77
23 05 29 00-0750	EA		16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.01	16.26
23 05 29 00-0751	EA		18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.12	17.07
23 05 29 00-0752	EA		20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	70.59	19.51
23 05 29 00-0753	EA		24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.43	23.57
23 05 29 00-0754			3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0685)		
23 05 29 00-0755	EA		1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.06	5.45
23 05 29 00-0756	EA		3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.07	5.69
23 05 29 00-0757	EA		1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.22	5.69
23 05 29 00-0758	EA		1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.98	5.85
23 05 29 00-0759	EA		1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.88	6.01
23 05 29 00-0760	EA		2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.89	6.10
23 05 29 00-0761	EA		2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.72	6.26
23 05 29 00-0762	EA		3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.35	6.66
23 05 29 00-0763	EA		4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.22	6.91
23 05 29 00-0764	EA		6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.43	8.46
23 05 29 00-0765	EA		8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.10	9.26
23 05 29 00-0766	EA		10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.90	9.76
23 05 29 00-0767	EA		12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	86.40	12.59
23 05 29 00-0768	EA		14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.06	13.41
23 05 29 00-0769	EA		16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	117.04	17.88
23 05 29 00-0770	EA		18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	125.95	19.51
23 05 29 00-0771	EA		20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	142.55	21.13
23 05 29 00-0772	EA		24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	167.55	26.02
23 05 29 00-0773			3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0685)		
23 05 29 00-0774	EA		1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.50	5.29
23 05 29 00-0775	EA		3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.73	6.42
23 05 29 00-0776	EA		1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.48	6.42
23 05 29 00-0777	EA		1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.91	6.50
23 05 29 00-0778	EA		1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.46	6.58
23 05 29 00-0779	EA		2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.20	6.83
23 05 29 00-0780	EA		2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.31	7.07
23 05 29 00-0781	EA		3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.29	7.32
23 05 29 00-0782	EA		4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.61	7.72



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0783	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.28	8.78
23 05 29 00-0784	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.83	9.76
23 05 29 00-0785	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.94	11.22
23 05 29 00-0786	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.86	13.98
23 05 29 00-0787	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.31	15.28
23 05 29 00-0788	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.62	19.51
23 05 29 00-0789	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.54	20.49
23 05 29 00-0790	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	84.75	23.41
23 05 29 00-0791	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	100.12	28.29
23 05 29 00-0792		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0685)</small>		
23 05 29 00-0793	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.89	7.15
23 05 29 00-0794	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.13	7.15
23 05 29 00-0795	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.87	7.24
23 05 29 00-0796	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.45	7.32
23 05 29 00-0797	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.87	7.32
23 05 29 00-0798	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.16	7.80
23 05 29 00-0799	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.09	7.88
23 05 29 00-0800	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.28	8.21
23 05 29 00-0801	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.79	8.70
23 05 29 00-0802	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.92	9.84
23 05 29 00-0803	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.94	10.65
23 05 29 00-0804	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.58	12.68
23 05 29 00-0805	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.35	15.77
23 05 29 00-0806	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.61	17.16
23 05 29 00-0807	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.37	21.95
23 05 29 00-0808	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.81	23.01
23 05 29 00-0809	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.35	26.34
23 05 29 00-0810	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	112.66	31.87
23 05 29 00-0811	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	128.90	37.47
23 05 29 00-0812	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	147.23	44.22
23 05 29 00-0813	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	167.32	52.26
23 05 29 00-0814	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	241.43	80.71
23 05 29 00-0815	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	260.67	88.84
23 05 29 00-0816	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	278.17	95.92
23 05 29 00-0817		Equipment Housekeeping Pads <small>(23 05 29)</small> See CSI section 03 31 13 00-0107 for Concrete Equipment Pads.		
23 05 29 00-0818		Molded Plastic Condenser Pad <small>(23 05 29 00-0817)</small>		
23 05 29 00-0819	EA	30" Round Molded Plastic Pad.....	50.90	10.16
23 05 29 00-0820	EA	30" Octagon Molded Plastic Pad.....	52.91	10.16
23 05 29 00-0821	EA	30" x 30" Molded Plastic Pad.....	50.90	10.16
23 05 29 00-0822	EA	36" x 36" Molded Plastic Pad.....	62.95	10.16
23 05 29 00-0823	EA	36" x 48" Molded Plastic Pad.....	85.50	10.16
23 05 29 00-0824		Inertia Base <small>(23 05 29 00-0817)</small> Note: Includes spring isolators.		
23 05 29 00-0825	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	648.26	
23 05 29 00-0826	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	780.48	
23 05 29 00-0827	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	893.78	
23 05 29 00-0828	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,019.70	
23 05 29 00-0829		Hanger Assemblies <small>(23 05 29)</small> Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-0830	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly.....	35.17	12.64
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	8.14	
23 05 29 00-0831	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly.....	36.74	13.39
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	8.58	
23 05 29 00-0832	EA	1" Standard Duty Clevis Pipe Hanger Assembly.....	37.95	14.18
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	8.93	
23 05 29 00-0833	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	38.64	14.20
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	9.06	
23 05 29 00-0834	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	38.84	14.20
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	9.06	
23 05 29 00-0835	EA	2" Standard Duty Clevis Pipe Hanger Assembly.....	39.58	14.31
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	9.20	
23 05 29 00-0836	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	45.93	15.24
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	9.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0837	EA		3" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	47.45	15.68
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 29 00-0838	EA		4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	57.26	17.70
			<i>For Work In Restricted Working Space, Add</i>	10.45	
23 05 29 00-0839	EA		6" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	84.93	22.87
			<i>For Work In Restricted Working Space, Add</i>	13.72	
23 05 29 00-0840	EA		8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	99.07	26.53
			<i>For Work In Restricted Working Space, Add</i>	15.92	
23 05 29 00-0841	EA		10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	135.98	33.70
			<i>For Work In Restricted Working Space, Add</i>	19.97	
23 05 29 00-0842	EA		12" Clevis Hanger Assembly For Uninsulated Pipe Note: Includes hanger, rod, nuts, washers and clamp.	150.02	36.26
			<i>For Work In Restricted Working Space, Add</i>	21.80	
23 05 29 00-0843			Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-0844			Angle Iron (23 05 29 00-0843)		
23 05 29 00-0845	LF		1/2" x 1/2" x 1/8" Angle Iron	1.83	1.18
23 05 29 00-0846	LF		3/4" x 3/4" x 1/8" Angle Iron	2.38	1.47
23 05 29 00-0847	LF		1" x 1" x 1/8" Angle Iron	2.92	1.76
23 05 29 00-0848	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron	3.96	2.20
23 05 29 00-0849	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron	4.39	2.36
23 05 29 00-0850	LF		2" x 2" x 1/4" Angle Iron	5.76	2.65
23 05 29 00-0851	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron	7.15	3.22
23 05 29 00-0852	LF		3" x 2" x 3/8" Angle Iron	9.16	3.79
23 05 29 00-0853	LF		3" x 3" x 3/8" Angle Iron	10.92	4.42
23 05 29 00-0854			Channels (23 05 29 00-0843)		
23 05 29 00-0855	LF		C2 X 1.78 - 2" Wide (Channels).....	8.72	5.80
23 05 29 00-0856	LF		C3 X 4.1 - 3" Wide (Channels).....	12.42	8.51
23 05 29 00-0857	LF		C4 X 5.4 - 4" Wide (Channels).....	15.01	10.45
23 05 29 00-0858	LF		C5 X 6.7 - 5" Wide (Channels).....	17.63	12.00
23 05 29 00-0859	LF		C6 X 8.2 - 6" Wide (Channels).....	19.07	12.77
23 05 29 00-0860	LF		C7 X 9.8 - 7" Wide (Channels).....	25.45	17.41
23 05 29 00-0861	LF		C8 X 11.5 - 8" Wide (Channels).....	28.13	18.97
23 05 29 00-0862			Structural Bar Tees (23 05 29 00-0843)		
23 05 29 00-0863	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	6.25	4.25
23 05 29 00-0864	LF		1" x 1" x 1/8" Structural Bar Tee	7.52	5.03
23 05 29 00-0865	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.20	5.80
23 05 29 00-0866	LF		2" x 2" x 1/4" Structural Bar Tee	13.14	7.74
23 05 29 00-0867	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	17.53	9.29
23 05 29 00-0868	LF		3" x 3" x 3/8" Structural Bar Tee	22.06	12.00
23 05 29 00-0869			Structural Zees (23 05 29 00-0843)		
23 05 29 00-0870	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee.....	10.21	5.80
23 05 29 00-0871	LF		2-11/16" x 3" x 2-11/16" Structural Zee.....	11.78	5.80
23 05 29 00-0872	LF		3-1/16" x 4" x 3-1/16" Structural Zee.....	16.92	5.80
23 05 29 00-0873	LF		3-1/4" x 5" x 3-1/4" Structural Zee.....	20.99	5.80
23 05 29 00-0874	LF		3-1/2" x 6" x 3-1/2" Structural Zee.....	25.05	5.80
23 05 29 00-0875			Junior I-beams (23 05 29 00-0843)		
23 05 29 00-0876	LF		3" I-beam (Junior)	13.15	8.51
23 05 29 00-0877	LF		4" I-beam (Junior)	14.96	9.29
23 05 29 00-0878	LF		5" I-beam (Junior)	17.01	10.07
23 05 29 00-0879	LF		6" I-beam (Junior)	18.56	11.22
23 05 29 00-0880	LF		7" I-beam (Junior)	21.56	12.00
23 05 29 00-0881	LF		8" I-beam (Junior)	23.28	12.77
23 05 33			Heat Tracing For HVAC Piping (23 05)		
			See CSI section 23 83 13 00-0000 for heat tracing cables.		
23 05 48			Vibration And Seismic Controls For HVAC (23 05)		
23 05 48 00-0001			Unhoused Stable Steel Spring Isolators (23 05 48)		
			Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 00-0002	EA		60 LB Unhoused Steel Spring Isolator.....	85.73	22.76
23 05 48 00-0003	EA		115 LB Unhoused Steel Spring Isolator.....	92.22	22.76
23 05 48 00-0004	EA		1130 LB Unhoused Steel Spring Isolator.....	113.76	22.76



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0005	Vibration Isolators <small>(23 05 48)</small>		
23 05 48 00-0006	Spring And Rubber Hanger For 1" Deflection <small>(23 05 48 00-0005)</small>		
23 05 48 00-0007	EA 50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	124.62	14.63
23 05 48 00-0008	EA 600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	272.89	16.27
23 05 48 00-0009	Rubber-In-Shear Isolator Hanger <small>(23 05 48 00-0005)</small>		
23 05 48 00-0010	EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	66.22	12.20
23 05 48 00-0011	EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	86.74	14.63
23 05 48 00-0012	Spring Hanger For 1" Deflection <small>(23 05 48 00-0005)</small>		
23 05 48 00-0013	EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	74.55	14.63
23 05 48 00-0014	Rubber-In-Shear Vibration Isolator <small>(23 05 48 00-0005)</small>		
23 05 48 00-0015	EA 45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	136.88	27.65
23 05 48 00-0016	EA 130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	194.36	27.65
23 05 48 00-0017	EA 550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	391.61	27.65
23 05 48 00-0018	Two-Piece Spring Type Vibration Isolator <small>(23 05 48 00-0005)</small>		
	Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 00-0019	EA 50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	112.65	27.65
23 05 48 00-0020	EA >1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	116.94	27.65
23 05 48 00-0021	Open Double Spring Type Vibration Isolator <small>(23 05 48 00-0005)</small>		
	Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 00-0022	EA 150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	93.48	13.83
23 05 48 00-0023	EA 500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	93.48	13.83
23 05 48 00-0024	EA 1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	107.76	13.83
23 05 48 00-0025	EA 1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	107.76	13.83
23 05 48 00-0026	EA 2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	172.34	13.83
23 05 48 00-0027	Isolation Pads <small>(23 05 48 00-0005)</small>		
23 05 48 00-0028	Laminated Neoprene And Cork Isolation Pad <small>(23 05 48 00-0027)</small>		
23 05 48 00-0029	EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	5.27	2.03
23 05 48 00-0030	EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.13	2.12
23 05 48 00-0031	EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.25	2.20
23 05 48 00-0032	EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	41.39	2.52
23 05 48 00-0033	EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	80.77	2.85
23 05 48 00-0034	Neoprene And Steel Plate Isolation Pad <small>(23 05 48 00-0027)</small>		
23 05 48 00-0035	EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	31.09	2.03
23 05 48 00-0036	EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	34.06	2.03
23 05 48 00-0037	Neoprene Isolation Pad <small>(23 05 48 00-0027)</small>		
23 05 48 00-0038	EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	4.81	2.03
23 05 48 00-0039	EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	5.64	2.03
23 05 48 00-0040	EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	6.98	2.03
23 05 48 00-0041	EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	40.69	2.44
23 05 48 00-0042	EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	75.77	2.85
23 05 48 00-0043	Threaded Flexible Bronze Hose Connectors <small>(23 05 48)</small>		
	Note: Includes hex threaded nipple ends.		
23 05 48 00-0044	EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	63.13	13.01
23 05 48 00-0045	EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	72.25	17.89
23 05 48 00-0046	EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	88.92	21.96
23 05 48 00-0047	EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	103.09	26.03
23 05 48 00-0048	EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	117.78	34.15
23 05 48 00-0049	EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	132.32	36.35
23 05 48 00-0050	EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	178.74	43.11
23 05 48 00-0051	EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	250.28	67.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration And Seismic Controls For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 48 00-0052	Flanged Flexible Hose Connectors (23 05 48)			
23 05 48 00-0053	Flanged Flexible Molded Rubber Hose Connectors (23 05 48 00-0052)			
	Note: With helical wire reinforcement 150 PSI.			
23 05 48 00-0054	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	190.84	61.00
23 05 48 00-0055	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	205.65	67.74
23 05 48 00-0056	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	438.26	201.29
23 05 48 00-0057	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	573.22	259.85
23 05 48 00-0058	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	761.35	272.19
23 05 48 00-0059	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	935.12	310.89
23 05 48 00-0060	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,227.01	369.96
23 05 48 00-0061	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	2,779.10	462.73
23 05 48 00-0062	Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 00-0052)			
	Note: With braided metal wire.			
23 05 48 00-0063	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	144.64	55.47
23 05 48 00-0064	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	129.32	76.28
23 05 48 00-0065	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	270.80	101.66
23 05 48 00-0066	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	341.22	152.49
23 05 48 00-0067	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	365.07	167.78
23 05 48 00-0068	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	420.26	203.16
23 05 48 00-0069	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	537.99	260.09
23 05 48 00-0070	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,024.87	381.07
23 05 48 00-0071	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,293.27	435.51
23 05 48 00-0072	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,526.52	503.60
23 05 48 00-0073	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,014.45	544.39
23 05 48 00-0074	Flanged Flexible Molded Teflon Hose Connectors (23 05 48 00-0052)			
	Note: 150 PSI.			
23 05 48 00-0075	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	984.80	167.78
23 05 48 00-0076	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,114.33	202.91
23 05 48 00-0077	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,586.71	260.09
23 05 48 00-0078	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,859.37	272.19
23 05 48 00-0079	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,467.04	310.89
23 05 48 00-0080	Flexible Hose Connectors Braided Metal Hose Type, Bronze (23 05 48)			
23 05 48 00-0081	Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 00-0080)			
	Note: MPT connection.			
23 05 48 00-0082	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	36.82	1.62
23 05 48 00-0083	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.27	1.62
23 05 48 00-0084	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	48.97	2.11
23 05 48 00-0085	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.95	2.11
23 05 48 00-0086	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	49.47	1.95
23 05 48 00-0087	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.11	1.95
23 05 48 00-0088	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	68.48	2.52
23 05 48 00-0089	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	85.04	2.52
23 05 48 00-0090	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	67.79	2.28
23 05 48 00-0091	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	74.32	2.28
23 05 48 00-0092	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.03	3.01
23 05 48 00-0093	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	112.26	3.01
23 05 48 00-0094	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	136.30	3.01
23 05 48 00-0095	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	160.43	3.01
23 05 48 00-0096	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	96.85	2.92
23 05 48 00-0097	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	107.01	2.92
23 05 48 00-0098	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	138.01	2.92
23 05 48 00-0099	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	192.03	3.89
23 05 48 00-0100	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	223.27	3.89
23 05 48 00-0101	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	264.83	3.89
23 05 48 00-0102	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	132.98	3.52
23 05 48 00-0103	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	154.23	3.52
23 05 48 00-0104	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	195.40	3.52
23 05 48 00-0105	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	260.62	4.71
23 05 48 00-0106	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	323.35	4.71
23 05 48 00-0107	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	386.03	4.71
23 05 48 00-0108	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	185.26	4.41
23 05 48 00-0109	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	211.44	4.19
23 05 48 00-0110	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	237.88	4.19
23 05 48 00-0111	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	292.98	5.61
23 05 48 00-0112	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	346.16	5.61
23 05 48 00-0113	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	397.67	5.61
23 05 48 00-0114	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	293.01	5.61
23 05 48 00-0115	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	328.33	5.61
23 05 48 00-0116	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	230.88	5.61
23 05 48 00-0117	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	279.04	7.48
23 05 48 00-0118	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	509.50	7.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0119 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	579.00	7.48
23 05 48 00-0120 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	539.32	6.53
23 05 48 00-0121 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	580.59	6.53
23 05 48 00-0122 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	621.86	6.53
23 05 48 00-0123 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	709.90	8.71
23 05 48 00-0124 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	792.12	8.71
23 05 48 00-0125 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	876.11	8.71
23 05 48 00-0126 Braided Stainless Steel Flexible Hose Connectors <small>(23 05 48 00-0080)</small>		
<i>Note: Over braided carbon steel connection.</i>		
23 05 48 00-0127 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	158.97	3.56
23 05 48 00-0128 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	192.73	3.56
23 05 48 00-0129 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	225.86	3.56
23 05 48 00-0130 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	295.56	4.78
23 05 48 00-0131 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	362.72	4.78
23 05 48 00-0132 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	429.80	4.78
23 05 48 00-0133 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	180.10	4.19
23 05 48 00-0134 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	215.39	4.19
23 05 48 00-0135 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	250.84	4.19
23 05 48 00-0136 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	324.82	5.61
23 05 48 00-0137 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	395.43	5.61
23 05 48 00-0138 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	465.07	5.61
23 05 48 00-0139 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	190.11	5.61
23 05 48 00-0140 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	230.54	5.76
23 05 48 00-0141 FT 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	271.54	5.61
23 05 48 00-0142 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	359.59	7.48
23 05 48 00-0143 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	441.15	7.48
23 05 48 00-0144 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	525.03	7.48
23 05 48 00-0145 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	383.59	10.92
23 05 48 00-0146 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	570.55	10.99
23 05 48 00-0147 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	765.38	14.48
23 05 48 00-0148 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	952.42	14.48
23 05 48 00-0149 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,139.41	14.48
23 05 48 00-0150 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	670.42	13.37
23 05 48 00-0151 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	811.87	13.37
23 05 48 00-0152 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,101.32	17.38
23 05 48 00-0153 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,381.94	17.38
23 05 48 00-0154 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,662.48	17.38
23 05 48 00-0155 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	716.16	16.71
23 05 48 00-0156 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,069.81	16.71
23 05 48 00-0157 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,433.47	21.75
23 05 48 00-0158 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,788.35	21.75
23 05 48 00-0159 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,141.74	21.75
23 05 48 00-0160 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,431.70	20.20
23 05 48 00-0161 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,873.05	20.20
23 05 48 00-0162 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,341.73	27.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration And Seismic Controls For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0163 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,786.96	27.17
23 05 48 00-0164 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,234.26	27.17
23 05 48 00-0165 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 00-0080)		
Note: Flanged end connection (carbon steel ends).		
23 05 48 00-0166 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	104.25	3.52
23 05 48 00-0167 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	145.92	3.52
23 05 48 00-0168 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	190.23	4.71
23 05 48 00-0169 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	231.96	4.71
23 05 48 00-0170 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	273.70	4.71
23 05 48 00-0171 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	118.61	4.19
23 05 48 00-0172 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	162.58	4.19
23 05 48 00-0173 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	209.67	5.61
23 05 48 00-0174 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	253.68	5.61
23 05 48 00-0175 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	296.91	5.61
23 05 48 00-0176 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	147.05	5.61
23 05 48 00-0177 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	198.37	5.61
23 05 48 00-0178 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	254.69	7.48
23 05 48 00-0179 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	313.01	7.48
23 05 48 00-0180 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	357.57	7.48
23 05 48 00-0181 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	260.93	10.99
23 05 48 00-0182 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	377.22	10.99
23 05 48 00-0183 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	501.38	14.48
23 05 48 00-0184 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	617.69	14.48
23 05 48 00-0185 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	733.97	14.48
23 05 48 00-0186 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	478.83	13.37
23 05 48 00-0187 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	566.81	13.37
23 05 48 00-0188 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	750.93	17.74
23 05 48 00-0189 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	925.42	17.74
23 05 48 00-0190 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,099.83	17.74
23 05 48 00-0191 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	837.59	16.71
23 05 48 00-0192 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,056.77	16.71
23 05 48 00-0193 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,289.80	22.28
23 05 48 00-0194 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,509.98	22.28
23 05 48 00-0195 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,687.92	22.28
23 05 48 00-0196 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,159.93	20.20
23 05 48 00-0197 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,438.06	20.20
23 05 48 00-0198 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,731.63	27.17
23 05 48 00-0199 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,009.75	27.17
23 05 48 00-0200 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,287.88	27.17

23 05 53 Identification For HVAC Piping And Equipment (23 05)**23 05 53 00-0001 Systems Identification (23 05 53)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0002	Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)	
Note: Outside diameters include insulation where necessary.		
23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker.....	9.27	
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker.....	9.47	
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker.....	9.58	
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	9.74	
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	10.70	
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker.....	11.07	
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	15.10	
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker.....	15.38	
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	15.69	
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker.....	15.87	
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	16.04	
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker.....	16.22	
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker.....	16.86	
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker.....	17.05	
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker.....	19.83	
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker.....	20.88	
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker.....	24.36	
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker.....	27.84	
23 05 53 00-0021	Pipe Markers Pressure-Sensitive (23 05 53 00-0001)	
Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.		
23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	9.12	
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	9.53	
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	10.34	
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	10.51	
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	11.18	
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	11.42	
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.79	
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.11	
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.35	
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.61	
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.12	
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.66	
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.14	
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.62	
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.66	
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.04	
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on.....	21.01	
23 05 53 00-0039	Valve Identification Tag (23 05 53 00-0001)	
Note: Includes "S" hook.		
23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass.....	7.82	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic.....	7.46	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass.....	7.35	
23 05 93	Testing, Adjusting, And Balancing For HVAC (23 05)	
Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.		
23 05 93 00-0001	Heating And Ventilating Equipment (23 05 93)	
23 05 93 00-0002 EA Balancing Centrifugal Fans.....	338.49	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-169.25</i>
23 05 93 00-0003 EA Balancing Heating And Ventilating Units.....	422.94	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-211.47</i>
23 05 93 00-0004 EA Balancing In Line Fan.....	380.80	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-190.40</i>
23 05 93 00-0005 EA Balancing Propeller And Wall Fan.....	84.62	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-42.31</i>
23 05 93 00-0006 EA Balancing Roof Exhaust Fan.....	253.85	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-126.93</i>
23 05 93 00-0007 EA Balancing Wall Fan.....	63.45	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-31.73</i>
23 05 93 00-0008 EA Balancing Fan Section Exhaust.....	337.95	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-168.98</i>
23 05 93 00-0009	Air Conditioning Equipment (23 05 93)	
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit.....	599.01	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-299.51</i>
23 05 93 00-0011 EA Balancing Package A/C Unit.....	224.63	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-112.32</i>
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit.....	299.50	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-149.75</i>
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit.....	1,048.27	
<i>For Testing Of Unit Without Balancing, Deduct</i>		<i>-524.14</i>

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers <small>(23 05 93)</small>		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser .....63.47 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-31.74		
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....105.78 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-52.89		
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser .....55.01 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-27.51		
23 05 93 00-0018 EA Balance Variable Air Volume Box .....59.60 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-29.80		
23 05 93 00-0019 EA Balance Constant Volume Box .....59.60 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-29.80		
23 05 93 00-0020 EA Balance Fan Powered Box .....67.70 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-33.85		
23 05 93 00-0021 EA Balance Lab Fume Hood .....275.03 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-137.52		
23 05 93 00-0022 EA Balance General Hood.....211.55 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-105.78		
23 05 93 00-0023 EA Balance Induction Unit .....126.94 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-63.47		
23 05 93 00-0024 EA Balance Moduline - Master .....50.76 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-25.38		
23 05 93 00-0025 EA Balance Moduline - Slave .....25.38 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-12.69		
23 05 93 00-0026 EA Balance Dampers .....23.57 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-11.79		
23 05 93 00-0027 EA Balance Regenerators .....337.95 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-168.98		
23 05 93 00-0028 Water Balancing Of Components <small>(23 05 93)</small>		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser .....411.86 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-205.93		
23 05 93 00-0030 EA Water Balance, Cabinet Heater .....52.42 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-26.21		
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled.....449.22 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-224.61		
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled .....599.01 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-299.51		
23 05 93 00-0033 EA Water Balance, Cooling Tower .....299.50 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-149.75		
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent .....74.92 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-37.46		
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel .....74.88 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-37.44		
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil .....82.37 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-41.19		
23 05 93 00-0037 EA Water Balance, Pumps .....224.64 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-112.32		
23 05 93 00-0038 EA Water Balance, Unit Heater .....52.42 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-26.21		
23 05 93 00-0039 EA Water Balancing, Converter .....224.72 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-112.36		
23 05 93 00-0040 EA Water Balancing, Cocks And Valves.....37.43 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-18.72		
23 05 93 00-0041 EA Water Balance, Convactor .....44.92 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-22.46		
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves .....56.16 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-28.08		
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH.....486.69 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-243.35		
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler .....898.52 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-449.26		
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler .....1,647.28 <i>For Testing Of Unit Without Balancing, Deduct</i> .....-823.64		
23 05 93 00-0046 Non Destructive Testing <small>(23 05 93)</small>		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing <small>(23 05 93 00-0046)</small>		
23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge <small>(23 05 93 00-0047)</small>		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge .....610.31 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing <small>(23 05 93 00-0047)</small>		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing .....61.14		
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing.....69.62		
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....78.10		
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing.....82.52		
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing.....86.95		
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing.....91.71		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 93 00-0057	EA		6" Piping, X-Ray Welds, Non Destructive Testing	100.55	
	23 05 93 00-0058	EA		8" Piping, X-Ray Welds, Non Destructive Testing	109.38	
	23 05 93 00-0059	EA		10" Piping, X-Ray Welds, Non Destructive Testing	114.14	
	23 05 93 00-0060	EA		12" Piping, X-Ray Welds, Non Destructive Testing	118.92	
23 05 93 00-0061				Liquid Penetration Of Welds, Non Destructive Testing <small>(23 05 93 00-0046)</small>		
23 05 93 00-0062				Piping, Liquid Penetration Of Welds, Non Destructive Testing <small>(23 05 93 00-0061)</small>		
	23 05 93 00-0063	EA		Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	69.81	
	23 05 93 00-0064	EA		1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	73.88	
	23 05 93 00-0065	EA		1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	77.95	
	23 05 93 00-0066	EA		2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	79.98	
	23 05 93 00-0067	EA		3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	83.03	
	23 05 93 00-0068	EA		4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	86.08	
	23 05 93 00-0069	EA		6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	92.18	
	23 05 93 00-0070	EA		8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	98.28	
	23 05 93 00-0071	EA		10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	104.38	
	23 05 93 00-0072	EA		12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	110.48	
23 05 93 00-0073				Hydrostatic Testing <small>(23 05 93 00-0046)</small>		
				Note: Includes flushing and restoring of system.		
23 05 93 00-0074				Piping, Hydrostatic Testing <small>(23 05 93 00-0073)</small>		
	23 05 93 00-0075	EA		Up To 100 LF, Up To 1-1/2" Piping, Hydrostatic Testing	535.05	
	23 05 93 00-0076	EA		>100 To 250 LF, Up To 1-1/2" Piping, Hydrostatic Testing	764.36	
	23 05 93 00-0077	EA		>250 To 500 LF, Up To 1-1/2" Piping, Hydrostatic Testing	915.86	
	23 05 93 00-0078	EA		>500 To 1,000 LF, Up To 1-1/2" Piping, Hydrostatic Testing	1,219.92	
	23 05 93 00-0079	EA		>1,000 To 2,000 LF, Up To 1-1/2" Piping, Hydrostatic Testing	1,848.36	
	23 05 93 00-0080	EA		Up To 100 LF, >1-1/2" To 4" Piping, Hydrostatic Testing	711.41	
	23 05 93 00-0081	EA		>100 To 250 LF, >1-1/2" To 4" Piping, Hydrostatic Testing	1,016.60	
	23 05 93 00-0082	EA		>250 To 500 LF, >1-1/2" To 4" Piping, Hydrostatic Testing	1,210.24	
	23 05 93 00-0083	EA		>500 To 1,000 LF, >1-1/2" To 4" Piping, Hydrostatic Testing	1,585.88	
	23 05 93 00-0084	EA		>1,000 To 2,000 LF, >1-1/2" To 4" Piping, Hydrostatic Testing	2,399.17	
	23 05 93 00-0085	EA		Up To 100 LF, >4" To 10" Piping, Hydrostatic Testing	927.14	
	23 05 93 00-0086	EA		>100 To 250 LF, >4" To 10" Piping, Hydrostatic Testing	1,321.58	
	23 05 93 00-0087	EA		>250 To 500 LF, >4" To 10" Piping, Hydrostatic Testing	1,404.52	
	23 05 93 00-0088	EA		>500 To 1,000 LF, >4" To 10" Piping, Hydrostatic Testing	1,840.03	
	23 05 93 00-0089	EA		>1,000 To 2,000 LF, >4" To 10" Piping, Hydrostatic Testing	2,783.62	
	23 05 93 00-0090	EA		Up To 100 LF, >10" To 14" Piping, Hydrostatic Testing	1,203.66	
	23 05 93 00-0091	EA		>100 To 250 LF, >10" To 14" Piping, Hydrostatic Testing	1,716.01	
	23 05 93 00-0092	EA		>250 To 500 LF, >10" To 14" Piping, Hydrostatic Testing	1,826.23	
	23 05 93 00-0093	EA		>500 To 1,000 LF, >10" To 14" Piping, Hydrostatic Testing	2,395.29	
	23 05 93 00-0094	EA		>1,000 To 2,000 LF, >10" To 14" Piping, Hydrostatic Testing	3,629.24	
23 05 93 00-0095				Pneumatic Testing <small>(23 05 93 00-0046)</small>		
				Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096				Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>		
	23 05 93 00-0097	EA		Up To 100 LF, Up To 1-1/2" Piping, Pneumatic Testing	608.45	
				Note: Includes soaping joints.		
	23 05 93 00-0098	EA		>100 To 250 LF, Up To 1-1/2" Piping, Pneumatic Testing	868.20	
				Note: Includes soaping joints.		
	23 05 93 00-0099	EA		>250 To 500 LF, Up To 1-1/2" Piping, Pneumatic Testing	937.55	
				Note: Includes soaping joints.		
	23 05 93 00-0100	EA		>500 To 1,000 LF, Up To 1-1/2" Piping, Pneumatic Testing	1,200.84	
				Note: Includes soaping joints.		
	23 05 93 00-0101	EA		>1,000 To 2,000 LF, Up To 1-1/2" Piping, Pneumatic Testing	1,878.31	
				Note: Includes soaping joints.		
	23 05 93 00-0102	EA		Up To 100 LF, >1-1/2" To 4" Piping, Pneumatic Testing	793.95	
				Note: Includes soaping joints.		
	23 05 93 00-0103	EA		>100 To 250 LF, >1-1/2" To 4" Piping, Pneumatic Testing	1,127.39	
				Note: Includes soaping joints.		
	23 05 93 00-0104	EA		>250 To 500 LF, >1-1/2" To 4" Piping, Pneumatic Testing	1,218.73	
				Note: Includes soaping joints.		
	23 05 93 00-0105	EA		>500 To 1,000 LF, >1-1/2" To 4" Piping, Pneumatic Testing	1,561.42	
				Note: Includes soaping joints.		
	23 05 93 00-0106	EA		>1,000 To 2,000 LF, >1-1/2" To 4" Piping, Pneumatic Testing	2,441.44	
				Note: Includes soaping joints.		
	23 05 93 00-0107	EA		Up To 100 LF, >4" To 10" Piping, Pneumatic Testing	955.86	
				Note: Includes soaping joints.		
	23 05 93 00-0108	EA		>100 To 250 LF, >4" To 10" Piping, Pneumatic Testing	1,348.96	
				Note: Includes soaping joints.		
	23 05 93 00-0109	EA		>250 To 500 LF, >4" To 10" Piping, Pneumatic Testing	1,537.56	
				Note: Includes soaping joints.		
	23 05 93 00-0110	EA		>500 To 1,000 LF, >4" To 10" Piping, Pneumatic Testing	1,964.56	
				Note: Includes soaping joints.		
	23 05 93 00-0111	EA		>1,000 To 2,000 LF, >4" To 10" Piping, Pneumatic Testing	3,076.27	
				Note: Includes soaping joints.		
	23 05 93 00-0112	EA		Up To 100 LF, >10" To 14" Piping, Pneumatic Testing	1,244.62	
				Note: Includes soaping joints.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0113 EA >100 To 250 LF, >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,753.77	
23 05 93 00-0114 EA >250 To 500 LF, >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,999.42	
23 05 93 00-0115 EA >500 To 1,000 LF, >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,554.41	
23 05 93 00-0116 EA >1,000 To 2,000 LF, >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	4,005.56	
23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	542.45	
23 05 93 00-0119 EA Air Test/Combustion Gas Level.....	59.99	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	831.20	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water.....	631.65	

23 07 HVAC Insulation (23)**23 07 13 Duct Insulation (23 07)**

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 Fiber Glass FSK Duct Wrap Insulation (23 07 13)

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

23 07 13 00-0003 SF 1" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.39	1.62
For Plain Blanket, With No Facing, Deduct	-0.09	
For Work In Restricted Working Space, Add	0.65	
23 07 13 00-0004 SF 1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.80	1.62
For Plain Blanket, With No Facing, Deduct	-0.10	
For Work In Restricted Working Space, Add	0.76	
23 07 13 00-0005 SF 2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.18	2.44
For Plain Blanket, With No Facing, Deduct	-0.11	
For Work In Restricted Working Space, Add	0.87	
23 07 13 00-0006 SF 3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.74	2.85
For Plain Blanket, With No Facing, Deduct	-0.14	
For Work In Restricted Working Space, Add	1.02	
23 07 13 00-0007 SF 4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.21	3.09
For Plain Blanket, With No Facing, Deduct	-0.22	
For Work In Restricted Working Space, Add	1.10	

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

23 07 13 00-0009 SF 1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.97	2.44
For Plain Blanket, With No Facing, Deduct	-0.10	
For Work In Restricted Working Space, Add	0.81	
23 07 13 00-0010 SF 1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.45	2.85
For Plain Blanket, With No Facing, Deduct	-0.13	
For Work In Restricted Working Space, Add	0.94	
23 07 13 00-0011 SF 2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	4.07	3.25
For Plain Blanket, With No Facing, Deduct	-0.15	
For Work In Restricted Working Space, Add	1.11	

23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

23 07 13 00-0013 SF 1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.70	3.25
For Plain Blanket, With No Facing, Deduct	-0.18	
For Work In Restricted Working Space, Add	0.98	
23 07 13 00-0014 SF 1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.50	3.65
For Plain Blanket, With No Facing, Deduct	-0.31	
For Work In Restricted Working Space, Add	1.12	
23 07 13 00-0015 SF 2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.24	4.07
For Plain Blanket, With No Facing, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.30	

23 07 13 00-0016 Calcium Block Insulation (23 07 13)

23 07 13 00-0017 SF 2" Calcium Block Insulation.....	17.25	6.47
For Work In Restricted Working Space, Add	3.89	

23 07 13 00-0018 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0019 SF 1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	7.40	4.15
For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	17.45	
For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	12.82	
For Non-Metallic Weatherproof Paste, 2 LB, Add	10.60	
For Work In Restricted Working Space, Add	2.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0020 SF 1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.04 21.25 15.63 12.91 2.63	5.05
23 07 13 00-0021 SF 2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.94 25.68 18.89 15.61 3.18	6.09
23 07 13 00-0022 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0023 SF 1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	8.54 2.38	4.56
23 07 13 00-0024 SF 1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	11.00 2.90	5.55
23 07 13 00-0025 SF 2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	14.01 3.50	6.71
23 07 13 00-0026 Other Ductwork Insulation (23 07 13)		
23 07 13 00-0027 SF 1/2" Cement Over 1" Wire Mesh, Including Corner Bead	16.60	6.50
23 07 13 00-0028 SF Glass Cloth Pasted On	9.38	5.85
23 07 13 00-0029 SF Weatherproof, Non Metallic, 21 LB/SF	16.49	7.72
23 07 13 00-0030 Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0031 SF 3/8" Thick Sheet Elastomeric Insulation	5.74	2.19
23 07 13 00-0032 SF 1/2" Thick Sheet Elastomeric Insulation	6.12	2.32
23 07 13 00-0033 SF 3/4" Thick Sheet Elastomeric Insulation	7.84	2.44
23 07 13 00-0034 SF 1" Thick Sheet Elastomeric Insulation	8.96	2.56
23 07 13 00-0035 SF 1-1/2" Thick Sheet Elastomeric Insulation	12.19	2.81
23 07 13 00-0036 SF 2" Thick Sheet Elastomeric Insulation	14.34	3.05
23 07 19 HVAC Piping Insulation (23 07) See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19) Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0456 for protective jacketing.		
23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	9.59 2.00	2.67
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	9.59 2.00	2.67
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	9.57 2.03	2.71
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	9.71 2.06	2.75
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	9.83 2.09	2.79
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	10.46 2.15	2.86
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	10.94 2.24	2.98
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.39 2.29	3.06
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	12.92 2.47	3.29
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.40 2.78	3.71
23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	10.04 2.09	2.78
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	10.08 2.09	2.95
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	10.78 2.21	3.00
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.19 2.25	3.06
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.60 2.30	3.23
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	12.42 2.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	12.96 2.46	3.28
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	13.45 2.55	3.39
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.93 2.75	3.67
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.32 3.21	4.29
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.07 3.39	4.52
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.13 4.06	5.42
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.52 4.73	6.30
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	32.83 5.18	6.91
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.40 6.60	8.80
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.34 6.93	9.23
23 07 19 00-0030 2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	12.50 2.29	3.06
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	12.76 2.29	3.06
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	13.14 2.32	3.10
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	13.63 2.35	3.13
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	13.97 2.38	3.17
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.57 2.47	3.29
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.14 2.56	3.40
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.46 2.64	3.52
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.14 2.79	3.72
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.19 3.35	4.46
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.91 3.53	4.70
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.59 4.22	5.63
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.20 5.06	6.75
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.70 7.06	9.41
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.76 7.06	9.41
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	48.96 7.41	9.88
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	58.11 8.47	11.30
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	67.92 10.23	13.64
23 07 19 00-0049 2-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.93 2.65	3.52
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.21 2.65	3.52
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.47 2.69	3.58
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.61 2.71	3.61
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.98 2.73	3.63
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.66 2.84	3.79
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.56 2.94	3.92
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.90 3.04	4.06
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.63 3.21	4.28
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.70 3.65	4.86
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.41 4.07	5.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.22 4.69	6.25
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.38 5.83	7.76
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.82 6.36	8.48
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	57.11 8.13	10.83
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.28 8.53	11.38
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	69.84 9.76	13.01
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	82.28 11.79	15.72
23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.57 2.93	3.91
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.64 2.93	3.91
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.80 2.96	3.95
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.99 2.98	3.97
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.17 3.01	4.02
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.82 3.12	4.16
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.85 3.23	4.31
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.33 3.35	4.46
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.05 3.53	4.71
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.77 4.01	5.35
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.63 4.47	5.96
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.23 5.16	6.88
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.06 6.41	8.55
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.38 7.00	9.33
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	64.12 8.94	11.92
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	68.98 9.39	12.51
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	80.60 10.73	14.32
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	95.52 12.97	17.29
23 07 19 00-0087 3-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.33 3.21	4.28
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.13 3.21	4.28
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.20 3.23	4.31
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.27 3.25	4.33
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.98 3.29	4.39
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.46 3.40	4.53
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.63 3.52	4.69
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.64 3.65	4.86
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.57 3.86	5.13
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	37.50 4.37	5.83
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.38 4.87	6.49
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.96 5.63	7.50
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	66.65 6.99	9.32
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	70.39 7.63	10.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	82.62	13.01
<i>For Work In Restricted Working Space, Add</i>	9.75	
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	94.30	13.65
<i>For Work In Restricted Working Space, Add</i>	10.24	
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	102.18	15.62
<i>For Work In Restricted Working Space, Add</i>	11.71	
23 07 19 00-0105 4" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	28.85	4.75
<i>For Work In Restricted Working Space, Add</i>	3.56	
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	28.87	4.75
<i>For Work In Restricted Working Space, Add</i>	3.56	
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	29.08	4.83
<i>For Work In Restricted Working Space, Add</i>	3.62	
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	29.84	4.88
<i>For Work In Restricted Working Space, Add</i>	3.67	
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.55	5.04
<i>For Work In Restricted Working Space, Add</i>	3.78	
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	32.22	5.20
<i>For Work In Restricted Working Space, Add</i>	3.90	
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.00	5.28
<i>For Work In Restricted Working Space, Add</i>	3.96	
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	36.03	5.48
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	40.69	5.78
<i>For Work In Restricted Working Space, Add</i>	4.33	
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.01	6.55
<i>For Work In Restricted Working Space, Add</i>	4.92	
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.77	7.31
<i>For Work In Restricted Working Space, Add</i>	5.48	
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	64.22	8.45
<i>For Work In Restricted Working Space, Add</i>	6.33	
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	73.57	10.48
<i>For Work In Restricted Working Space, Add</i>	7.87	
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	78.38	11.46
<i>For Work In Restricted Working Space, Add</i>	8.59	
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	93.33	14.65
<i>For Work In Restricted Working Space, Add</i>	10.98	
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	99.16	15.34
<i>For Work In Restricted Working Space, Add</i>	11.51	
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	110.01	17.57
<i>For Work In Restricted Working Space, Add</i>	13.17	
23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	3.66	
<i>For Work In Restricted Working Space, Add</i>	0.76	
23 08 Commissioning Of HVAC (23)		
See CSI section 23 05 93 00-0000 for testing and balancing.		
23 09 Instrumentation And Control For HVAC (23)		
23 09 13 Instrumentation And Control Devices For HVAC (23 09)		
23 09 13 56 Pneumatic Tubing (23 09 13)		
23 09 13 56-0001 Urethane Tubing, Fire Retardant (23 09 13 56)		
23 09 13 56-0002 LF 1/8" Outside Diameter x 1/16" Inside Diameter Urethane Tubing	1.31	0.65
23 09 13 56-0003 LF 1/4" Outside Diameter x 1/8" Inside Diameter Urethane Tubing	1.40	0.65
23 09 13 56-0004 LF 3/8" Outside Diameter x 1/4" Inside Diameter Urethane Tubing	1.45	0.65
23 09 13 56-0005 Polyethylene Tubing (23 09 13 56)		
23 09 13 56-0006 LF 0.17" Inside Diameter x .25" Outside Diameter Polyethylene Tubing	1.31	0.65
23 09 13 56-0007 LF 0.295" Inside Diameter x .375" Outside Diameter Polyethylene Tubing	1.40	0.65
23 09 13 56-0008 LF 0.375" Inside Diameter x .5" Outside Diameter Polyethylene Tubing	1.47	0.65
23 09 13 56-0009 Nylon Tubing (23 09 13 56)		
23 09 13 56-0010 LF 0.08" Inside Diameter x 1/8" Outside Diameter Nylon Tubing.....	1.42	0.65
23 09 13 56-0011 LF 0.18" Inside Diameter x 1/4" Outside Diameter Nylon Tubing.....	1.64	0.65
23 09 13 56-0012 LF 0.275" Inside Diameter x .3/8" Outside Diameter Nylon Tubing.....	1.89	0.65
23 09 13 56-0013 Flexible Vinyl Tubing (23 09 13 56)		
23 09 13 56-0014 LF 1/4" Outside Diameter Flexible Vinyl Tubing.....	1.35	0.65
23 09 13 56-0015 LF 3/8" Outside Diameter Flexible Vinyl Tubing.....	1.44	0.65
23 09 13 56-0016 LF 1/2" Outside Diameter Flexible Vinyl Tubing.....	1.58	0.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 13 56-0017 LF 5/8" Outside Diameter Flexible Vinyl Tubing.....	1.75	0.73
23 09 13 56-0018 LF 3/4" Outside Diameter Flexible Vinyl Tubing.....	2.27	0.98
23 09 13 56-0019 LF 1" Outside Diameter Flexible Vinyl Tubing.....	3.11	1.30
23 09 13 56-0020 Braided Vinyl Tubing (23 09 13 56)		
23 09 13 56-0021 LF 5/8" Outside Diameter Braided Vinyl Tubing.....	2.22	0.73
23 09 13 56-0022 LF 3/4" Outside Diameter Braided Vinyl Tubing.....	2.76	1.06
23 09 13 56-0023 LF 1" Outside Diameter Braided Vinyl Tubing.....	3.73	1.22
23 09 13 56-0024 Brass Tubing Accessories (23 09 13 56)		
See CSI section 22 11 16 00-0285 for copper tubing.		
23 09 13 56-0025 Straight Coupling, Barb x Barb (23 09 13 56-0024)		
23 09 13 56-0026 EA 1/4" x 1/4" Straight Coupling, Brass.....	7.63	3.65
23 09 13 56-0027 EA 3/8" x 1/4" Straight Coupling, Brass.....	7.68	3.65
23 09 13 56-0028 EA 3/8" x 3/8" Straight Coupling, Brass.....	7.73	3.65
23 09 13 56-0029 Elbow Coupling, Barb x Barb (23 09 13 56-0024)		
23 09 13 56-0030 EA 1/4" x 1/4" Elbow Coupling, Brass.....	7.91	3.65
23 09 13 56-0031 EA 3/8" x 3/8" Elbow Coupling, Brass.....	8.08	3.65
23 09 13 56-0032 Tee Coupling, Barb x Barb (23 09 13 56-0024)		
23 09 13 56-0033 EA 1/4" x 1/4" x 1/4" Tee Coupling, Brass.....	12.16	5.69
23 09 13 56-0034 EA 3/8" x 3/8" x 1/4" Tee Coupling, Brass.....	13.57	6.10
23 09 13 56-0035 EA 3/8" x 3/8" x 3/8" Tee Coupling, Brass.....	13.39	6.10
23 09 13 56-0036 Copper Tubing (23 09 13 56)		
23 09 13 56-0037 LF 1/4" Outside Diameter Copper Tubing.....	4.23	
23 09 13 56-0038 LF 3/8" Outside Diameter Copper Tubing.....	4.93	
23 09 13 56-0039 LF 1/2" Outside Diameter Copper Tubing.....	5.63	
23 09 13 56-0040 LF 5/8" Outside Diameter Copper Tubing.....	6.22	
23 09 13 56-0041 LF 3/4" Outside Diameter Copper Tubing.....	8.71	
23 09 23 Direct-Digital Control System For HVAC (23 09)		
23 09 23 00-0001 EMCS General Costs (23 09 23)		
23 09 23 00-0002 EMCS System Design Engineering (23 09 23 00-0001)		
Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 00-0003 HR EMCS Site Inspection Of Existing Facilities.....	203.85	
23 09 23 00-0004 HR EMCS Engineering Project Management.....	203.85	
23 09 23 00-0005 HR EMCS System Engineering, Schematic Design And Layout.....	216.20	
23 09 23 00-0006 HR EMCS System Software Programming And Graphics Programming.....	216.20	
23 09 23 00-0007 HR EMCS Graphics Picture Creation.....	139.02	
23 09 23 00-0008 HR EMCS System Controls Training.....	203.85	
23 09 23 00-0009 HR EMCS On Site System Diagnostics Field Technician.....	203.85	
23 09 23 00-0010 HR EMCS Remote Technical Support Using Phone Or Internet.....	169.92	
23 09 23 00-0011 HR EMCS Travel Time (All Personnel).....	176.09	
23 09 23 00-0012 Post Warranty Field Tests, Checkout And Commissioning (23 09 23 00-0001)		
Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0013 PNT EMCS Field Test.....	108.14	
Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0014 PNT EMCS Field Checkout And Startup.....	108.14	
Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0015 PNT EMCS Field Commissioning.....	108.14	
Note: Priced per point. Used when the owner requires an independent commissioning firm.		
23 09 23 00-0016 EA EMCS Field Balance Support.....	92.65	
Note: Priced per controller. Task used after warranty period only.		
23 09 23 00-0017 EMCS System Engineering/Submittal Design And Layout (23 09 23 00-0001)		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0018 PNT EMCS System Engineering/Submittal Design And Layout.....	36.07	
Note: Priced per point.		
23 09 23 00-0019 Install EMCS Field Devices And Controllers (Labor Only) (23 09 23 00-0001)		
Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0020 EA Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	186.88	30.88
23 09 23 00-0021 EA Install AHU Power Supply In A Control Enclosure	135.90	61.77
23 09 23 00-0022 EA Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall.....	186.88	30.88
23 09 23 00-0023 EA Install And Wire Room Sensor.....	50.98	30.88
23 09 23 00-0024 EA Install And Wire Duct Sensor.....	67.95	30.88
23 09 23 00-0025 EA Install And Wire AHU Averaging Sensor.....	220.81	154.42
23 09 23 00-0026 EA Install And Wire AHU Humidity Sensor.....	118.94	46.37
23 09 23 00-0027 EA Install And Wire AHU CO2 Sensor.....	169.92	46.37
23 09 23 00-0028 EA Install And Wire Fan Or Filter DP Switch	169.92	46.37
23 09 23 00-0029 EA Install And Wire Float Switch	135.90	30.88
23 09 23 00-0030 EA Install And Wire Freezestat.....	220.81	154.42
23 09 23 00-0031 EA Install And Wire Duct Static Pressure Sensor.....	118.94	61.77
23 09 23 00-0032 EA Install And Wire Duct High Static Sensor.....	67.95	30.88
23 09 23 00-0033 EA Install And Wire Emergency Stop Switch For AHU Or Other Equipment	67.95	30.88
23 09 23 00-0034 EA Install And Wire Emergency Stop Switch For AHU	203.85	61.77
23 09 23 00-0035 EA Install And Wire AHU Connection To Starter	203.85	154.42
23 09 23 00-0036 EA Install And Wire Connection To VFD	373.76	154.42
23 09 23 00-0037 EA Install And Wire AHU Valve Actuator	101.96	30.88
23 09 23 00-0038 EA Install And Wire AHU Damper Actuator	203.85	61.77
23 09 23 00-0039 EA Install And Wire AHU Smoke Detector Or Fire Alarm Relay	118.94	46.37
23 09 23 00-0040 EA Install And Wire AHU Electropneumatic Transducer.....	84.91	30.88
23 09 23 00-0041 EA Install And Wire Electric Heat Or Sequencer	203.85	61.77
23 09 23 00-0042 EA Install And Wire Connection To Outdoor Compressor	475.64	46.37
23 09 23 00-0043 EA Install And Wire AHU Magnahelic.....	169.92	30.88
23 09 23 00-0044 EA Install And Wire AHU Wireway For Control Enclosure.....	203.85	61.77
23 09 23 00-0045 EA Wire And Assemble AHU Control Enclosure	373.76	
Note: Includes installing all panel devices for a medium size panel.		
23 09 23 00-0046 EA Field Install And Wire VAV Controller	135.90	61.77
Note: Use when VAV box is previously installed.		
23 09 23 00-0047 EA Shop Install And Wire VAV Controller.....	118.94	
23 09 23 00-0048 EA Install And Wire VAV Power Supply.....	50.98	30.88
23 09 23 00-0049 EA Wire VAV Fan In Parallel Or Series Fan Box.....	67.95	30.88
23 09 23 00-0050 EA Install And Wire Fan Coil Unit Controller.....	339.74	92.65
23 09 23 00-0051 EA Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller	101.96	
23 09 23 00-0052 EA Install And Wire Central Plant Controller.....	475.64	277.97
Note: For programmable DDC controller.		
23 09 23 00-0053 EA Mount Central Plant Enclosure For DDC Control Enclosure.....	186.88	30.88
Note: For programmable DDC controller.		
23 09 23 00-0054 EA Install Central Plant Power Supply For DDC Programmable Controller.....	135.90	61.77
23 09 23 00-0055 EA Install Central Plant Wireway For Programmable Controller	203.85	61.77
23 09 23 00-0056 EA Install And Wire Chiller Controls For Enable And Setpoint Controls	407.70	92.65
23 09 23 00-0057 EA Install And Wire Chiller Flow Switch.....	407.70	185.32
23 09 23 00-0058 EA Install And Wire Chiller DP Transmitter.....	1,528.90	92.65
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0059 EA Install And Wire Boiler Controls For Enable And Alarm	305.81	92.65
23 09 23 00-0060 EA Install And Wire Boiler Safeties.....	305.81	92.65
Note: For high water, low water and flame safeguard.		
23 09 23 00-0061 EA Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall	679.49	386.11
23 09 23 00-0062 EA Wire And Terminate Combustion Air Damper	849.41	61.77
23 09 23 00-0063 EA Wire Oil Tank Interlock For Oil Boiler	424.66	61.77
23 09 23 00-0064 EA Install And Wire Boiler Emergency Stop Switch.....	849.41	185.32
23 09 23 00-0065 EA Wire And Terminate Temperature Well Sensor	84.91	46.37
Note: Excludes well.		
23 09 23 00-0066 EA Install And Wire Strap On Sensor	203.85	46.37
23 09 23 00-0067 EA Install And Wire CO2 Sensor For Room Or Space	169.92	46.37
Note: Excludes stub-up.		
23 09 23 00-0068 EA Install And Wire Valve Actuator.....	169.92	123.54
23 09 23 00-0069 EA Install And Wire Outside Air Temperature Sensor	305.81	92.65
23 09 23 00-0070 EA Install And Wire Outside Air Humidity Sensor.....	152.87	92.65
23 09 23 00-0071 EA Install And Wire Flow Sensor.....	373.76	185.32
23 09 23 00-0072 EA Install And Wire Pressure Sensor For Pump Or Building.....	373.76	185.32
23 09 23 00-0073 EA Install And Wire Pump Starter.....	203.85	46.37
23 09 23 00-0074 EA Install And Wire Pump VFD	373.76	92.65
23 09 23 00-0075 EA Install And Wire Pump DP Switch.....	509.66	185.32
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0076 EA Install And Wire System DP Transmitter.....	1,698.80	185.32
Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.		
23 09 23 00-0077 EA Mount Starter Sized Up To 100 HP.....	135.90	92.65
23 09 23 00-0078 EA Mount VFD Sized Up To 100 HP	339.74	308.86
23 09 23 00-0079 EA Install And Wire Cooling Tower Control Enclosure	611.54	185.32
23 09 23 00-0080 EA Install And Wire Vibration Switch For Cooling Tower.....	373.76	185.32
23 09 23 00-0081 EA Install And Wire Cooling Tower Basin Heater	203.85	185.32
23 09 23 00-0082 EA Install And Wire Basin Water Temperature Switch	203.85	92.65
23 09 23 00-0083 EA Install And Wire Cooling Tower Make-Up Water Valve.....	203.85	185.32
23 09 23 00-0084 EA Install And Wire Cooling Tower Make-Up Water Valve.....	203.85	185.32
23 09 23 00-0085 EA Install And Wire Refrigerant Monitor Panel	1,019.31	386.11
23 09 23 00-0086 EA Install And Wire Break Glass Switch.....	203.85	92.65
23 09 23 00-0087 EA Install And Wire Horn/Strobe For Refrigerant Monitor.....	152.87	61.77
23 09 23 00-0088 EA Install And Wire Damper Actuator.....	203.85	61.77
23 09 23 00-0089 EA Install And Wire Chemical Feed System.....	1,698.80	386.11
23 09 23 00-0090 EA Wire And Assemble Control Enclosure	407.70	
Note: Includes installing all panel devices in large size panel.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0091	EA	Install And Wire Exhaust Fan DDC Control Note: Start or stop and status.	424.66	77.25
23 09 23 00-0092	EA	Install And Wire Exhaust Fan Thermostat Control	135.90	46.37
23 09 23 00-0093	EA	Wire Lighting Contactor (Contactor Installed By Others)	424.66	61.77
23 09 23 00-0094	EA	Wire And Terminate Unit Heater	135.90	46.37
23 09 23 00-0095	EA	Wire Domestic Water Heater For Enable Or Disable.....	424.66	61.77
23 09 23 00-0096	EA	Wire And Install Current Transformer KWH Meter (With Power Off)	1,359.06	370.63
23 09 23 00-0097	EA	Wire Water Meter (Meter Installed By Others).....	1,359.06	92.65
23 09 23 00-0098	EA	Wire Gas Meter (Meter Installed By Others).....	1,359.06	92.65
23 09 23 00-0099	EA	Install Wireless Receiver And Wire To DDC Controls.....	169.92	61.77
23 09 23 00-0100	EA	Install Wireless Sensor	34.01	15.48
23 09 23 00-0101	EA	Wire Split System AC Thermostat	679.49	46.37
23 09 23 00-0102	EA	Wire Sump Pump Monitor Status Switch.....	509.66	92.65
23 09 23 00-0103	EA	Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor	67.95	30.88
23 09 23 00-0104	EA	Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor.....	458.68	185.32

23 09 23 00-0105 Honeywell Controls (23 09 23)

23 09 23 00-0106 EMCS Central Equipment And Controllers (23 09 23 00-0105)

23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 00-0106)

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Includes loading software, software license, loading data base and mounting on wall.				
23 09 23 00-0108	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	6,774.46	401.51
23 09 23 00-0109	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	4,832.38	401.51
23 09 23 00-0110	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	3,847.85	401.51
23 09 23 00-0111	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	4,631.30	401.51
23 09 23 00-0112	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	3,820.88	401.51
23 09 23 00-0113	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	3,820.88	401.51
23 09 23 00-0114	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,091.84	401.51
23 09 23 00-0115	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,376.28	401.51
23 09 23 00-0116	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,091.84	401.51
23 09 23 00-0117	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,376.28	401.51
23 09 23 00-0118	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,378.74	401.51
23 09 23 00-0119	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,663.18	401.51
23 09 23 00-0120	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,378.74	401.51
23 09 23 00-0121	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,663.18	401.51
23 09 23 00-0122	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	4,617.82	401.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0123 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	5,568.01	401.51
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0124 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)	5,861.04	401.51
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0125 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)	6,811.24	401.51
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0126 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)	5,874.53	401.51
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0127 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)	7,685.42	401.51
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
23 09 23 00-0128 EMCS Network Interfaces <small>(23 09 23 00-0106)</small>		
Note: Includes installation, start-up and tech labor.		
23 09 23 00-0129 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001)	933.37	111.19
Note: For desktop computer.		
23 09 23 00-0130 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)	801.57	74.13
Note: For laptop computer.		
23 09 23 00-0131 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	1,032.16	139.02
23 09 23 00-0132 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	1,541.59	200.80
23 09 23 00-0133 EA Two Way Lon Repeater (Honeywell Q7740A1008)	831.70	200.80
23 09 23 00-0134 EA FTT Termination Module For Network Bus (Honeywell 209541B)	66.60	24.71
23 09 23 00-0135 DDC Application Specific Controller Assemblies <small>(23 09 23 00-0106)</small>		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0136 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,598.26	574.48
23 09 23 00-0137 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,289.40	340.15
23 09 23 00-0138 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,727.98	574.48
23 09 23 00-0139 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,419.12	373.92
23 09 23 00-0140 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,896.36	639.37
23 09 23 00-0141 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,664.67	479.35
23 09 23 00-0142 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,350.34	639.37
23 09 23 00-0143 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,026.08	489.24
23 09 23 00-0144 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,436.65	639.37
23 09 23 00-0145 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,127.79	378.04
23 09 23 00-0146 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,606.57	639.37
23 09 23 00-0147 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,297.63	425.81
23 09 23 00-0148 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,856.94	639.37
23 09 23 00-0149 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,541.91	377.22
23 09 23 00-0150 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,026.86	639.37
23 09 23 00-0151 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	1,711.74	424.98
23 09 23 00-0152 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,297.53	639.37
23 09 23 00-0153 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,016.51	408.52
23 09 23 00-0154 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,637.35	639.37
23 09 23 00-0155 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,356.25	478.52
23 09 23 00-0156 DDC Programmable Controller Assemblies <small>(23 09 23 00-0106)</small>		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.		
23 09 23 00-0157 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,655.87	491.12
23 09 23 00-0158 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,888.34	491.12
23 09 23 00-0159 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,479.89	577.60
23 09 23 00-0160 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,712.36	577.60
23 09 23 00-0161 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,383.92	676.44
23 09 23 00-0162 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,652.65	676.44
23 09 23 00-0163 EMCS Optional DDC Controller Hardware <small>(23 09 23 00-0106)</small>		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 00-0164 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	279.54	
Note: For constant volume single zone and heat pump AHUs.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0165	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)..... Note: For constant volume single zone and heat pump AHUs.	323.07	
23 09 23 00-0166	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	338.39	
23 09 23 00-0167	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	319.39	
23 09 23 00-0168	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	324.29	
23 09 23 00-0169	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	316.94	
23 09 23 00-0170	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	272.80	
23 09 23 00-0171	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	237.24	
23 09 23 00-0172	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	347.59	
23 09 23 00-0173	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	310.81	
23 09 23 00-0174	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	343.30	
23 09 23 00-0175	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	728.89	
23 09 23 00-0176	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	906.67	
23 09 23 00-0177	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	453.03	
23 09 23 00-0178	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	446.29	
23 09 23 00-0179	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	218.85	
23 09 23 00-0180	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	248.89	
23 09 23 00-0181	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	459.77	
23 09 23 00-0182	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	491.65	
23 09 23 00-0183	EA	AI Module (Honeywell XFL521B).....	307.74	
23 09 23 00-0184	EA	AO Module (Honeywell XFL522B).....	307.74	
23 09 23 00-0185	EA	DI Module (Honeywell XFL523B).....	307.74	
23 09 23 00-0186	EA	DO Module (Honeywell XFL524B).....	307.74	
23 09 23 00-0187	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	54.56	
23 09 23 00-0188	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	102.99	
23 09 23 00-0189	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	101.15	
23 09 23 00-0190	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	309.58	
23 09 23 00-0191	EA	Lon Hub (Honeywell XIO-HUB).....	45.98	
23 09 23 00-0192	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	309.58	
23 09 23 00-0193	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	285.06	
23 09 23 00-0194	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	285.06	
23 09 23 00-0195	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	300.38	
23 09 23 00-0196	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	300.38	
23 09 23 00-0197	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	432.19	
23 09 23 00-0198	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16)..... Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	510.04	
23 09 23 00-0199	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)..... Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,083.84	
23 09 23 00-0200		EMCS Software <small>(23 09 23 00-0105)</small>		
23 09 23 00-0201		Software Packages And License <small>(23 09 23 00-0200)</small> Note: Includes installation on equipment.		
23 09 23 00-0202	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB)..... Note: Requires UI services to be installed on NAC.	345.75	
23 09 23 00-0203	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX)..... Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	1,365.56	
23 09 23 00-0204	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX)..... Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	3,862.09	
23 09 23 00-0205	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS)..... Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,298.86	
23 09 23 00-0206	EA	Upgrade Small Building To Large Building Software..... Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	2,652.92	
23 09 23 00-0207	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)..... Note: One copy is included with WEB-S-AX and WEBStation-AX.	1,887.10	
23 09 23 00-0208	EA	WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)..... Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	3,324.65	
23 09 23 00-0209	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)..... Note: Can be combined with the required single instance of WES-BASE as well as with any combination of other EP points and CP meters.	477.13	
23 09 23 00-0210	EA	Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX)..... Note: Can be combined with the required single instance of WES-BASE as well as with any number of other EP Points and Cost Profiler meters.	333.07	
23 09 23 00-0211	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters..... Note: Sold on a per server basis. Purchase of this product must be accompanied by WES-M1-ENT-AX maintenance. The first year price of maintenance is included with WES-ENT-AX.	17,794.61	
23 09 23 00-0212	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX)..... Note: The first year cost of WES-M1-ENT-AX is included with WES-ENT-AX. After the first year WES-M1-ENT-AX maintenance fee will be invoiced annually.	16,247.64	
23 09 23 00-0213	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX).....	6,158.50	
23 09 23 00-0214	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	4,595.27	
23 09 23 00-0215	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	1,328.44	
23 09 23 00-0216	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500).....	1,328.44	
23 09 23 00-0217	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)..... Note: Excludes Oracle.	9,195.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0218	EA		Open System Driver Option (Honeywell WS-SNMP-500)..... Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.	1,226.06	
23 09 23 00-0219	EA		Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	1,328.44	
23 09 23 00-0220	EA		WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)..... Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	3,474.04	
23 09 23 00-0221	EA		WEBStation Additional Node (Honeywell ZW2000B1002).....	1,328.44	
23 09 23 00-0222	EA		WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	22,273.83	
23 09 23 00-0223	EA		WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	40,868.87	
23 09 23 00-0224	EA		WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	71,520.37	
23 09 23 00-0225	EA		Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	3,678.18	
23 09 23 00-0226	EA		Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	1,839.09	
23 09 23 00-0227	EA		Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	1,509.47	
23 09 23 00-0228	EA		Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)..... Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	1,641.42	
23 09 23 00-0229			Initial Database Generation (23 09 23 00-0200)		
23 09 23 00-0230	PNT		Database Generation For Central Plant.....	55.27	
23 09 23 00-0231	PNT		Database Generation For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	55.27	
23 09 23 00-0232	EA		Database Generation For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	55.27	
23 09 23 00-0233	EA		Replication Of Database Generation For Application Specific Controller..... Note: Price per copy made.	38.46	
23 09 23 00-0234	EA		Database Generation For Remote IO Modules, Sensors, Etcetera.....	38.46	
23 09 23 00-0235			Application Software Programs (23 09 23 00-0200)		
23 09 23 00-0236	EA		Basic Application Program Package..... Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,306.13	
23 09 23 00-0237	EA		Optimum Start/Stop Program..... Note: Priced per controller requiring optimum start programming.	77.09	
23 09 23 00-0238	EA		Duty Cycling Program.....	36.40	
23 09 23 00-0239	EA		Hot Deck/Cold Deck Reset Application Program.....	3,961.86	
23 09 23 00-0240	EA		Boiler Optimization Program.....	5,191.77	
23 09 23 00-0241	EA		Chiller Optimization Program.....	7,032.78	
23 09 23 00-0242	EA		Lighting Control Program.....	3,393.75	
23 09 23 00-0243	EA		Demand Limiting Program..... Note: Priced per controller requiring optimum start programming.	67.61	
23 09 23 00-0244	EA		Email Alarm Server Configuration.....	2,618.14	
23 09 23 00-0245			Color Graphics Generation (23 09 23 00-0200)		
			Note: Priced per page.		
23 09 23 00-0246	EA		Single Site Home Page Graphics Page With HTML Navigation Code.....	1,381.88	
23 09 23 00-0247	EA		Multi Site Home Page Graphics Page With HTML Navigation Code.....	2,453.48	
23 09 23 00-0248	EA		Color Graphics Page For Central Plant.....	627.85	
23 09 23 00-0249	EA		Color Graphics Page For Building Floor Plan.....	579.75	
23 09 23 00-0250	EA		Replication Of Color Graphics Page For Central Plant.....	314.95	
23 09 23 00-0251	EA		Color Graphics Page For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	706.34	
23 09 23 00-0252	EA		Replication Of Color Graphics Page For Programmable Controller..... Note: Priced per copy made.	151.05	
23 09 23 00-0253	EA		Color Graphics Page For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	653.30	
23 09 23 00-0254	EA		Replication Of Color Graphics Page For Application Specific Cont..... Note: Priced per copy made.	65.32	
23 09 23 00-0255			Sensors, Actuators And Control Devices (23 09 23 00-0105)		
			Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0256			Special Sensors (23 09 23 00-0255)		
23 09 23 00-0257	EA		Dewpoint Sensor (Honeywell C7232B1014).....	1,134.62	50.98
23 09 23 00-0258	EA		Enthalpy Sensor -25 To 125 F.....	1,181.99	50.98
23 09 23 00-0259	EA		Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	591.62	101.96
23 09 23 00-0260	EA		Freezestat (Honeywell L482A1004).....	420.50	169.92
23 09 23 00-0261	EA		Wall Mounted Occupancy Sensor.....	286.97	50.98
23 09 23 00-0262	EA		Ceiling Mounted Occupancy Sensor.....	234.75	50.98
23 09 23 00-0263	EA		I/P Positioner With Gauge.....	275.44	50.98
23 09 23 00-0264	EA		Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....	330.53	50.98
23 09 23 00-0265	EA		EP Transducer.....	275.44	34.01
23 09 23 00-0266	EA		Electric Heat Sequencer.....	443.65	67.95



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0267 Meters <small>(23 09 23 00-0255)</small>						
	23 09 23 00-0268	EA		KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....	2,803.17	407.70
	23 09 23 00-0269	EA		KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface	4,106.87	475.64
	23 09 23 00-0270	EA		Current Transformer For KW Meter 1 - 300 Amps	1,014.56	169.92
	23 09 23 00-0271	EA		Current Transformer For KW Meter 300 - 800 Amps.....	1,136.61	169.92
	23 09 23 00-0272	EA		Current Transformer For KW Meter 800 - 2,400 Amp.....	1,370.68	169.92
23 09 23 00-0273 Direct Coupled Actuators <small>(23 09 23 00-0255)</small>						
	23 09 23 00-0274	EA		44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	391.35	69.81
	23 09 23 00-0275	EA		88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	425.73	69.81
	23 09 23 00-0276	EA		175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	484.85	69.81
	23 09 23 00-0277	EA		44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	371.23	69.81
	23 09 23 00-0278	EA		88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	408.20	69.81
	23 09 23 00-0279	EA		175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	444.82	69.81
	23 09 23 00-0280	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	410.23	69.81
	23 09 23 00-0281	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	462.95	69.81
	23 09 23 00-0282	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	519.87	69.81
	23 09 23 00-0283	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	343.79	69.81
	23 09 23 00-0284	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	371.87	69.81
	23 09 23 00-0285	EA		175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	428.28	69.81
	23 09 23 00-0286	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	454.83	69.81
	23 09 23 00-0287	EA		300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	454.49	69.81
	23 09 23 00-0288	EA		300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	527.30	69.81
	23 09 23 00-0289	EA		Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	355.30	69.81
	23 09 23 00-0290	EA		Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	602.91	69.81
	23 09 23 00-0291	EA		Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	273.76	69.81
	23 09 23 00-0292	EA		Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	406.90	69.81
23 09 23 00-0293 Thermostats <small>(23 09 23 00-0105)</small>						
23 09 23 00-0294 Electric And Electronic Thermostats <small>(23 09 23 00-0293)</small>						
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.						
	23 09 23 00-0295	EA		Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	153.47	61.77
	23 09 23 00-0296	EA		Electronic Non Programmable Heat/Cool Fan Coil Unit Thermostat (Honeywell T8575D).....	174.78	61.77
	23 09 23 00-0297	EA		Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	158.35	61.77
	23 09 23 00-0298	EA		Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	170.73	61.77
	23 09 23 00-0299	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	273.75	61.77
	23 09 23 00-0300	EA		Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350D).....	445.73	61.77
	23 09 23 00-0301	EA		Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	550.57	82.36
	23 09 23 00-0302	EA		Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	581.83	82.36
23 09 23 00-0303 Pneumatic Thermostats <small>(23 09 23 00-0293)</small>						
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.						
	23 09 23 00-0304	EA		Pneumatic Thermostat (Honeywell TP970B2182).....	204.34	49.41
23 09 23 00-0305 Thermostats Guards <small>(23 09 23 00-0293)</small>						
	23 09 23 00-0306	EA		9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	119.20	41.18
	23 09 23 00-0307	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	114.89	41.18
	23 09 23 00-0308	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	111.99	41.18
23 09 23 00-0309 Delta Controls <small>(23 09 23)</small>						
23 09 23 00-0310 Software <small>(23 09 23 00-0309)</small>						
Note: Excludes programming, set-up and commissioning of application.						
	23 09 23 00-0311	EA		Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	1,275.70	
	23 09 23 00-0312	EA		Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	2,037.78	
	23 09 23 00-0313	EA		Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	4,415.19	
	23 09 23 00-0314	EA		Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	7,049.41	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0315 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	3,653.11	
23 09 23 00-0316 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	1,275.70	
23 09 23 00-0317 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	2,973.85	
23 09 23 00-0318 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	3,653.11	
23 09 23 00-0319 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	1,355.13	82.36
23 09 23 00-0320 EA Delta Controls Touch Screen (Delta Controls DHMI-7-1)	1,391.47	
23 09 23 00-0321 EMCS Central Equipment And Controllers (23 09 23 00-0309)		
23 09 23 00-0322 EA Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616)	5,069.04	329.45
23 09 23 00-0323 EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	3,982.22	329.45
23 09 23 00-0324 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,077.11	329.45
23 09 23 00-0325 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	3,077.11	329.45
23 09 23 00-0326 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,077.11	329.45
23 09 23 00-0327 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	2,911.59	329.45
23 09 23 00-0328 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 3 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	959.47	164.73
23 09 23 00-0329 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	886.45	164.73
23 09 23 00-0330 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	934.90	164.73
23 09 23 00-0331 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	886.45	164.73
23 09 23 00-0332 EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	1,910.45	205.91
23 09 23 00-0333 EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	507.50	82.36
23 09 23 00-0334 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	538.29	82.36
23 09 23 00-0335 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	618.14	82.36
23 09 23 00-0336 Network, VAV And Special Sensors (23 09 23 00-0309)		
23 09 23 00-0337 EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	157.54	26.35
23 09 23 00-0338 EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	209.98	29.65
23 09 23 00-0339 EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	417.99	36.24
23 09 23 00-0340 Trane Controls (23 09 23)		
23 09 23 00-0341 Software (23 09 23 00-0340)		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0342 EA Summit + Building Management Package (Trane 40201152)	2,118.75	
23 09 23 00-0343 EA Summit Current Version Software (Trane 40201111)	2,128.54	
23 09 23 00-0344 EA Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	497.60	
23 09 23 00-0345 EA Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	1,597.95	
23 09 23 00-0346 EA Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	5,726.88	
23 09 23 00-0347 EMCS Central Equipment And Controllers (23 09 23 00-0340)		
23 09 23 00-0348 EA Summit BTMX Operator Display Upgrade (Trane 40201224)	3,859.31	329.45
23 09 23 00-0349 EA Summit BTMX Retrofit Kit For BMTS And BMWV BCU (Trane 49500531)	7,897.76	329.45
23 09 23 00-0350 EA Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	7,897.76	329.45
23 09 23 00-0351 EA Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	7,020.87	329.45
23 09 23 00-0352 EA Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	8,040.42	329.45
23 09 23 00-0353 EA Summit CCP Upgrade ROM Kit (Trane 40201095)	133.12	20.59
23 09 23 00-0354 EA Summit Comm5 Repeater (Trane 49500457)	1,033.11	164.73



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0355	EA			AHU Controller MP580/581 E Board Only (Trane 40201157)	1,678.49	205.91
23 09 23 00-0356	EA			AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	2,135.89	247.09
23 09 23 00-0357	EA			AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	1,730.69	247.09
23 09 23 00-0358	EA			AHU Controller MP581 Operator Door Display (Trane 40201156)	1,502.08	247.09
23 09 23 00-0359	EA			AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,500.29	247.09
23 09 23 00-0360	EA			Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	646.88	82.36
23 09 23 00-0361	EA			Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	596.51	82.36
23 09 23 00-0362	EA			Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,092.33	164.73
23 09 23 00-0363	EA			Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,050.56	164.73
23 09 23 00-0364	EA			2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	578.06	82.36
23 09 23 00-0365	EA			2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	517.41	82.36
23 09 23 00-0366	EA			4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	727.30	82.36
23 09 23 00-0367	EA			4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	666.98	82.36
23 09 23 00-0368	EA			Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	583.46	82.36
23 09 23 00-0369	EA			Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	560.06	82.36
23 09 23 00-0370	EA			Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	631.42	82.36
23 09 23 00-0371	EA			Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	583.46	82.36
23 09 23 00-0372	EA			DDC VAV Retrofit Kit (Trane VRTODD01)	864.10	164.73
23 09 23 00-0373	EA			DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	923.75	164.73
23 09 23 00-0374 Network, VAV And Special Sensors (23 09 23 00-0340)						
23 09 23 00-0375	EA			Digital Display Zone Sensor (Trane X13790464010).....	128.36	26.35
23 09 23 00-0376	EA			Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	96.04	26.35
23 09 23 00-0377	EA			Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	86.86	26.35
23 09 23 00-0378	EA			Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	154.17	29.65
23 09 23 00-0379	EA			Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	104.55	26.35
23 09 23 00-0380	EA			Zone Sensor LCD O/C Setpoint (Trane 41901120).....	104.55	26.35
23 09 23 00-0381	EA			Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	448.02	47.44
23 09 23 00-0382	EA			Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	352.00	26.35
23 09 23 00-0383	EA			Transformer 120/24 40 VA (Trane X13550284010).....	93.90	26.35
23 09 23 00-0384	EA			Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	79.81	26.35
23 09 23 00-0385	EA			Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	76.71	26.35
23 09 23 00-0386	EA			Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	947.34	328.09
23 09 23 00-0387	EA			Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	915.16	328.09
23 09 23 00-0388	EA			Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	810.41	328.09
23 09 23 00-0389	EA			Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,369.36	492.12
23 09 23 00-0390	EA			Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	810.81	328.09
23 09 23 00-0391	EA			Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	882.07	328.09
23 09 23 00-0392	EA			Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	843.53	328.09
23 09 23 00-0393	EA			Controller Optional Metal Enclosure, UC210 (Trane 501898).....	344.35	164.02
23 09 23 00-0394	EA			Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801).....	434.13	164.02
23 09 23 00-0395	EA			Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	1,479.34	492.12
23 09 23 00-0396	EA			Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,452.06	492.12
23 09 23 00-0397	EA			Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	91.49	32.82
23 09 23 00-0398	EA			Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	282.78	59.05
23 09 23 00-0399	EA			SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,494.60	492.12
23 09 23 00-0400	EA			BACnet Term (2 Pack) (Trane X1365152401).....	147.85	59.05
23 09 23 00-0401	EA			Tracer ES Add License (Trane X40250125010).....	3,175.02	1,312.28
23 09 23 00-0402	EA			Kit - Tracer TU For Controls (Trane X4509151201).....	4,424.08	1,312.19
23 09 23 00-0403	EA			Kit - Tracer TU Complete (Trane X4509151301).....	5,499.37	1,312.19
23 09 23 00-0404	EA			Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	323.63	59.05
23 09 23 00-0405	EA			Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	186.94	59.05
23 09 23 00-0406	EA			Sensor Wireless Display Sensor (Trane X13790822010).....	203.82	59.05
23 09 23 00-0407	EA			Sensor Wireless Receiver, 100mW (Trane X13790854010).....	198.48	59.05
23 09 23 00-0408	EA			Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	289.05	59.05
23 09 23 00-0409	EA			Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	312.11	59.05
23 09 23 00-0410 Johnson Controls (23 09 23)						
23 09 23 00-0411 Software (23 09 23 00-0410)						
Note: Excludes programming, set-up and commissioning of application.						
23 09 23 00-0412	EA			5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	9,911.88	
23 09 23 00-0413	EA			10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	11,710.89	
23 09 23 00-0414	EA			N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	637.18	
23 09 23 00-0415	EA			N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	933.66	
23 09 23 00-0416	EA			BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	1,606.23	
23 09 23 00-0417	EA			BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	642.20	
23 09 23 00-0418	EA			New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	639.25	
23 09 23 00-0419	EA			Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	272.15	
23 09 23 00-0420 Supervisory Controllers (23 09 23 00-0410)						
23 09 23 00-0421	EA			NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	4,956.37	329.45
23 09 23 00-0422	EA			NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	7,328.96	329.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0423 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	9,706.81	329.45
23 09 23 00-0424 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	4,042.46	329.45
23 09 23 00-0425 Controllers <small>(23 09 23 00-0410)</small>		
23 09 23 00-0426 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	581.57	82.36
23 09 23 00-0427 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	739.78	164.73
23 09 23 00-0428 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,021.97	164.73
23 09 23 00-0429 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,180.17	164.73
23 09 23 00-0430 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	490.81	82.36
23 09 23 00-0431 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	531.15	82.36
23 09 23 00-0432 EA BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	591.66	82.36
23 09 23 00-0433 EA 17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	599.73	82.36
23 09 23 00-0434 EA BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (Cooling Only), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1610-0).....	576.42	82.36
23 09 23 00-0435 EA BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (With Reheat And Fan Control), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1620-0).....	599.94	82.36
23 09 23 00-0436 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,221.33	164.73
23 09 23 00-0437 Master FX Controllers <small>(23 09 23 00-0410)</small>		
23 09 23 00-0438 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,499.69	164.73
23 09 23 00-0439 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	1,595.39	164.73
23 09 23 00-0440 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	1,642.94	164.73
23 09 23 00-0441 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	1,614.04	164.73
23 09 23 00-0442 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	1,568.88	164.73
23 09 23 00-0443 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	1,576.12	164.73
23 09 23 00-0444 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	1,568.88	164.73
23 09 23 00-0445 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	1,595.49	164.73
23 09 23 00-0446 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	1,678.13	164.73
23 09 23 00-0447 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	1,733.23	164.73
23 09 23 00-0448 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	1,705.68	164.73
23 09 23 00-0449 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	1,649.29	164.73
23 09 23 00-0450 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	1,595.49	164.73
23 09 23 00-0451 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	1,678.13	164.73
23 09 23 00-0452 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	1,733.23	164.73
23 09 23 00-0453 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	1,705.68	164.73
23 09 23 00-0454 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	1,649.29	164.73
23 09 23 00-0455 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	179.97	41.18
23 09 23 00-0456 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	247.77	41.18
23 09 23 00-0457 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	199.00	41.18
23 09 23 00-0458 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	179.97	41.18
23 09 23 00-0459 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	492.64	41.18
23 09 23 00-0460 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	457.77	41.18
23 09 23 00-0461 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	465.93	41.18
23 09 23 00-0462 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	465.93	41.18
23 09 23 00-0463 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	506.72	41.18
23 09 23 00-0464 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	506.72	41.18
23 09 23 00-0465 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	623.99	41.18
23 09 23 00-0466 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	623.99	41.18
23 09 23 00-0467 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	690.27	41.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0468	EA			6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	690.27	41.18
23 09 23 00-0469				VAV, Network And Special Sensors (23 09 23 00-0410)		
23 09 23 00-0470	EA			3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	317.29	26.35
23 09 23 00-0471	EA			3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	117.25	26.35
23 09 23 00-0472	EA			3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	249.33	26.35
23 09 23 00-0473	EA			3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	364.68	26.35
23 09 23 00-0474	EA			3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	132.23	26.35
23 09 23 00-0475	EA			3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	332.16	26.35
23 09 23 00-0476				Sensors - Hard Wired Type (23 09 23 00-0410)		
23 09 23 00-0477	EA			Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	127.63	47.44
23 09 23 00-0478	EA			Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	100.12	26.35
23 09 23 00-0479	EA			BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)..... Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	250.66	26.35
23 09 23 00-0480	EA			BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)..... Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.	333.45	26.35
23 09 23 00-0481	EA			BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)..... Note: For VVT systems.	251.11	26.35
23 09 23 00-0482	EA			BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	324.77	26.35
23 09 23 00-0483	EA			BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	396.42	26.35
23 09 23 00-0484				Automated Logic Controls (23 09 23)		
23 09 23 00-0485	EA			Up To 25 Point, High Speed Ethernet Router (Automated Logic LGR25).....	2,661.81	263.56
23 09 23 00-0486	EA			Up To 250 Point, High Speed Ethernet Router (Automated Logic LGR250).....	3,117.97	263.56
23 09 23 00-0487	EA			Up To 1,000 Point, High Speed Ethernet Router (Automated Logic LGR1000).....	4,637.12	263.56
23 09 23 00-0488	EA			Up 25 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR25).....	3,028.37	263.56
23 09 23 00-0489	EA			Up 200 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR200).....	5,003.67	263.56
23 09 23 00-0490	EA			ME812u Controller And Router (Automated Logic ME812u-LGR).....	6,952.76	527.11
23 09 23 00-0491	EA			4 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEX48u).....	2,081.44	263.56
23 09 23 00-0492	EA			8 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEX88u).....	2,413.37	263.56
23 09 23 00-0493	EA			0 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEX016u).....	2,223.99	263.56
23 09 23 00-0494	EA			8 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEX816u).....	5,005.07	658.90
23 09 23 00-0495	EA			0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	2,047.28	197.67
23 09 23 00-0496	EA			0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	4,797.81	593.01
23 09 23 00-0497	EA			2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	1,501.52	197.67
23 09 23 00-0498	EA			4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	2,946.91	263.56
23 09 23 00-0499	EA			8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	2,906.18	263.56
23 09 23 00-0500	EA			16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	4,834.90	527.11
23 09 23 00-0501	EA			8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	2,641.45	263.56
23 09 23 00-0502	EA			0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	2,552.31	197.67
23 09 23 00-0503	EA			16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	4,590.53	527.11
23 09 23 00-0504	EA			No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	937.89	131.78
23 09 23 00-0505	EA			With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	978.61	131.78
23 09 23 00-0506	EA			6 Digital Outputs, 10 Universal Inputs, 4 Analog Outputs Single Equipment Control Module (Automated Logic SE6104a).....	3,161.43	461.23
23 09 23 00-0507	EA			6 Digital Outputs, 16 Universal Inputs, 6 Analog Outputs Single Equipment Control Module (Automated Logic SE6166).....	3,837.07	527.11
23 09 23 00-0508	EA			2 Digital Outputs, 2 Universal Inputs Zone Controller (Automated Logic ZN220).....	1,145.15	197.67
23 09 23 00-0509	EA			2 Digital Outputs, 5 Universal Inputs, 3 Analog Outputs Zone Controller (Automated Logic ZN253).....	1,301.96	197.67
23 09 23 00-0510	EA			3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	1,003.05	131.78
23 09 23 00-0511	EA			1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	984.72	131.78
23 09 23 00-0512	EA			5 Digital Outputs, 5 Universal Inputs, 1 Analog Outputs Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic ZN551).....	1,251.45	197.67
23 09 23 00-0513	EA			Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	1,151.26	197.67
23 09 23 00-0514	EA			Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	7,312.06	
23 09 23 00-0515	EA			500 Point, Front End Software For Building Control (Automated Logic WC500).....	3,117.07	
23 09 23 00-0516	EA			Advanced Reporting Option, Front End Software For Building Control (Automated Logic WC-ADV-REP).....	1,473.46	
23 09 23 00-0517	EA			Advanced Security Option, Front End Software For Building Control (Automated Logic WC-ADV-SEC).....	1,880.74	
23 09 23 00-0518	EA			Advanced Alarming Option, Front End Software For Building Control (Automated Logic WC-ADV-ALARM).....	2,132.35	
23 09 23 00-0519	EA			Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	2,695.30	
23 09 23 00-0520				Alerton Controls (23 09 23)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0521 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	4,377.28	
23 09 23 00-0522 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	6,577.82	
23 09 23 00-0523 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	15,780.10	
23 09 23 00-0524 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	11,979.16	
23 09 23 00-0525 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	29,983.60	
23 09 23 00-0526 EA Unlimited Devices, SQL Server Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	17,980.64	
23 09 23 00-0527 EA Dashboard Option, Unlimited Devices, SQL Server Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	35,985.08	
23 09 23 00-0528 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH)	1,057.00	
23 09 23 00-0529 EA Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1)	14,003.66	
23 09 23 00-0530 EA Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG)	10,396.77	
23 09 23 00-0531 EA 150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED)	6,549.82	
23 09 23 00-0532 EA 50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM)	4,263.25	
23 09 23 00-0533 EA 10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS)	1,710.53	
23 09 23 00-0534 EA 1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100)	2,828.81	
23 09 23 00-0535 EA Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS)	3,738.39	197.67
23 09 23 00-0536 EA Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS)	4,086.47	263.56
23 09 23 00-0537 EA V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM)	1,648.51	197.67
23 09 23 00-0538 EA 1 MS/TP, BACTalk Control Module (Alerton 715000300)	1,934.58	197.67
23 09 23 00-0539 EA Power Supply, BACTalk Control Module (Alerton BCM-PWS)	1,560.49	197.67
23 09 23 00-0540 EA 1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX)	1,744.54	197.67
23 09 23 00-0541 EA Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB)	4,017.10	197.67
23 09 23 00-0542 EA BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	2,099.98	263.56
23 09 23 00-0543 EA EXP BACnet Controller (Alerton VLX)	4,538.06	527.11
23 09 23 00-0544 EA VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	5,164.22	527.11
23 09 23 00-0545 EA Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	599.53	58.69
23 09 23 00-0546 EA 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	1,398.45	197.67
23 09 23 00-0547 EA 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	1,464.47	197.67
23 09 23 00-0548 EA 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,236.41	197.67
23 09 23 00-0549 EA 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	1,328.44	197.67
23 09 23 00-0550 EA 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	1,324.44	197.67
23 09 23 00-0551 EA 11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188)	1,782.55	197.67
23 09 23 00-0552 EA 16 Inputs, BACTalk Field Controller (Alerton VLC-1600)	1,448.46	197.67
23 09 23 00-0553 EA 16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160)	2,115.99	263.56
23 09 23 00-0554 EA 4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	962.98	131.78
23 09 23 00-0555 EA 5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550)	938.97	131.78
23 09 23 00-0556 EA 6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R)	1,334.44	197.67
23 09 23 00-0557 EA 6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R)	1,334.44	197.67
23 09 23 00-0558 EA 8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853)	1,502.48	197.67
23 09 23 00-0559 EA 16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	2,760.14	263.56
23 09 23 00-0560 EA 2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	1,372.45	197.67
23 09 23 00-0561 EA Wireless Door Contact Sensor (Alerton AL-OC-DS)	84.52	7.41
23 09 23 00-0562 EA One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT)	131.09	7.41
23 09 23 00-0563 EA One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	251.13	7.41
23 09 23 00-0564 EA Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT)	131.09	7.41
23 09 23 00-0565 EA Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	251.13	7.41
23 09 23 00-0566 EA BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	85.08	7.41
23 09 23 00-0567 EA Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	337.14	7.41
23 09 23 00-0568 EA Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	377.16	7.41
23 09 23 00-0569 EA 10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	1,848.57	197.67
23 09 23 00-0570 EA 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	1,848.57	197.67
23 09 23 00-0571 EA 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	1,772.55	197.67

23 09 23 00-0572 Siemens Controls (23 09 23)

23 09 23 00-0573 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	179.94	26.35
23 09 23 00-0574 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	156.71	26.35
23 09 23 00-0575 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	189.15	55.65
23 09 23 00-0576 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	284.62	55.65
23 09 23 00-0577 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	34.66	
23 09 23 00-0578 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	118.04	82.36
23 09 23 00-0579 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	192.33	14.14
23 09 23 00-0580 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Accuator Assembly (Siemens 266-02079)	339.88	25.68
23 09 23 00-0581 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Accuator Assembly (Siemens 274-03203)	668.10	25.68
23 09 23 00-0582 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Accuator Assembly (Siemens 298-03006)	564.90	32.53
23 09 23 00-0583 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	186.89	47.44
23 09 23 00-0584 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	158.14	26.35
23 09 23 00-0585 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	887.73	131.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0586 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	56.44	
23 09 23 00-0587 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	924.19	131.78
23 09 23 00-0588 EA MMI Extension Cable (Siemens 545-712).....	91.88	
23 09 23 00-0589 EA Remote Pressure Transmitter (Siemens 547-003).....	580.36	26.35
23 09 23 00-0590 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	991.42	131.78
23 09 23 00-0591 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	917.05	131.78
23 09 23 00-0592 EA Insight Advanced Software Package (Siemens 571-010-381-USB).....	7,407.68	
Note: Includes one user license and one sentinel key.		
23 09 23 00-0593 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	306.50	
23 09 23 00-0594 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	1,250.06	
23 09 23 00-0595 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	223.46	8.54
23 09 23 00-0596 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	464.52	14.81
23 09 23 00-0597 EA FireFinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	7,394.49	329.45
23 09 23 00-0598 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	8,253.31	329.45
23 09 23 00-0599 EA License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	2,584.48	
23 09 23 00-0600 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	731.42	
23 09 23 00-0601 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,771.54	
23 09 23 00-0602 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,311.32	
23 09 23 00-0603 EA License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,191.17	
23 09 23 00-0604 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	3,090.29	
23 09 23 00-0605 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	419.88	
23 09 23 00-0606 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	468.11	
23 09 23 00-0607 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	239.20	
23 09 23 00-0608 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	348.85	41.18
23 09 23 00-0609 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	537.55	41.18
23 09 23 00-0610 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	698.68	41.18
23 09 23 00-0611 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	24.83	
23 09 23 00-0612 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	577.25	41.18
23 09 23 00-0613 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	820.52	41.18
23 09 23 00-0614 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	666.88	41.18
23 09 23 00-0615 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	922.97	41.18
23 09 23 00-0616 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	4,629.50	461.23
23 09 23 00-0617 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,196.38	131.78
23 09 23 00-0618 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	2,137.03	247.09
23 09 23 00-0619 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,284.38	247.09
23 09 23 00-0620 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	2,137.03	247.09
23 09 23 00-0621 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,663.47	263.56
23 09 23 00-0622 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	2,737.13	263.56
23 09 23 00-0623 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	2,705.89	263.56
23 09 23 00-0624 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	2,848.38	263.56
23 09 23 00-0625 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	2,663.47	263.56
23 09 23 00-0626 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	2,775.07	263.56
23 09 23 00-0627 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	4,337.45	461.23
23 09 23 00-0628 EA 36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	6,756.25	527.11
23 09 23 00-0629 EA License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	967.33	
23 09 23 00-0630 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	390.77	32.95
23 09 23 00-0631 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	487.47	65.89
23 09 23 00-0632 EA Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3).....	480.99	16.47
23 09 23 00-0633 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	145.53	26.35
23 09 23 00-0634 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	99.61	26.35
23 09 23 00-0635 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	150.02	47.44
23 09 23 00-0636 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	199.86	47.44
23 09 23 00-0637 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	1,837.79	265.37
23 09 23 00-0638 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.32	
23 09 23 00-0639 EA 16 Digital Input Module (Siemens TXM1.16D).....	922.77	131.78
23 09 23 00-0640	Cypress Envirosystems Controls (23 09 23)	
23 09 23 00-0641	Wireless Pneumatic Thermostat (23 09 23 00-0640)	
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
23 09 23 00-0642 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	587.41	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
-31.13		
For >200, Deduct		
-62.21		
23 09 23 00-0643 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	587.41	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
-31.13		
For >200, Deduct		
-62.21		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0644 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	587.41	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-31.13	
For >200, Deduct	-62.21	
23 09 23 00-0645 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP)	587.41	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-31.13	
For >200, Deduct	-62.21	
23 09 23 00-0646 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB)	670.79	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-35.77	
For >200, Deduct	-71.48	
23 09 23 00-0647 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB)	670.79	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-35.77	
For >200, Deduct	-71.48	
23 09 23 00-0648 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	670.79	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-35.77	
For >200, Deduct	-71.48	
23 09 23 00-0649 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB)	670.79	8.23
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-35.77	
For >200, Deduct	-71.48	
23 09 23 00-0650 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	43.98	8.23
Note: Optional cover.		
For >50 To 200, Deduct	-1.99	
For >200, Deduct	-3.97	
23 09 23 00-0651 EA Green Box Controller (Cypress Envirosystems GBC-800-001)	3,514.41	8.23
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-177.08	
For >2, Deduct	-353.85	
23 09 23 00-0652 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	406.11	8.23
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-22.12	
For >2, Deduct	-44.20	
23 09 23 00-0653 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	458.17	8.23
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-23.18	
For >10, Deduct	-46.33	
23 09 23 00-0654 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	567.26	8.23
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-26.96	
For >10, Deduct	-53.87	
23 09 23 00-0655 Melink Intelli-Hood IH3 Controls (23 09 23)		
23 09 23 00-0656 Kitchen Ventilation Controllers (23 09 23 00-0655)		
23 09 23 00-0657 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	5,649.75	329.45
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 00-0658 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001)	995.74	67.95
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 00-0659 EA Hood Controller (Melink Intelli-Hood 2SEN-3001).....	1,749.27	274.26
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
23 09 23 00-0660 Kitchen Ventilation Sensors (23 09 23 00-0655)		
23 09 23 00-0661 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)	308.57	47.44
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 00-0662 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)	2,558.28	263.56
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
23 09 23 00-0663 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23)		
23 09 23 00-0664 Temperature Sensors (23 09 23 00-0663)		
23 09 23 00-0665 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	144.03	47.44
23 09 23 00-0666 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	167.70	47.44
23 09 23 00-0667 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	147.32	47.44
23 09 23 00-0668 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	145.75	47.44
23 09 23 00-0669 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	189.98	47.44
23 09 23 00-0670 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	154.53	47.44



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0671	EA		10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	146.48	47.44
	23 09 23 00-0672	EA		10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	162.60	47.44
	23 09 23 00-0673	EA		10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	158.65	47.44
	23 09 23 00-0674	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	203.32	65.89
	23 09 23 00-0675	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	208.93	65.89
	23 09 23 00-0676	EA		Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	83.88	26.35
	23 09 23 00-0677	EA		Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	86.25	26.35
	23 09 23 00-0678	EA		Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	86.25	26.35
	23 09 23 00-0679			Water Temperature Sensors <small>(23 09 23 00-0663)</small>		
	23 09 23 00-0680	EA		5" Immersion 20K Ohm Water Temp Sensor	107.53	50.98
				Note: Honeywell C7041D2001.		
	23 09 23 00-0681	EA		Strap-On 20K Ohm Water Temp Sensor	254.47	50.98
	23 09 23 00-0682			Relative Humidity Sensors <small>(23 09 23 00-0663)</small>		
	23 09 23 00-0683	EA		3% Duct Mounted RH Sensor (Kele HD30K)	299.55	47.44
	23 09 23 00-0684	EA		10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	308.92	47.44
	23 09 23 00-0685	EA		3% RH Outdoor Air Sensor (Kele HO30K)	353.84	65.89
	23 09 23 00-0686	EA		2% Surface Mounted RH Transmitter (Kele HW20K)	253.32	26.35
	23 09 23 00-0687			Pressure Sensors <small>(23 09 23 00-0663)</small>		
	23 09 23 00-0688	EA		Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005)	375.06	55.65
	23 09 23 00-0689	EA		Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050)	345.35	55.65
	23 09 23 00-0690	EA		Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222)	168.10	55.65
	23 09 23 00-0691	EA		Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262)	169.57	55.65
	23 09 23 00-0692	EA		Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460)	180.11	55.65
	23 09 23 00-0693	EA		Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145)	167.14	55.65
	23 09 23 00-0694	EA		Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA)	1,440.05	55.65
				Note: Excludes pipe fittings.		
	23 09 23 00-0695	EA		Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA)	1,440.05	55.65
				Note: Excludes pipe fittings.		
	23 09 23 00-0696	EA		Magnahelic Gauge	427.38	34.01
	23 09 23 00-0697			Water Flow Meters <small>(23 09 23 00-0663)</small>		
	23 09 23 00-0698	EA		Insertion Electromagnetic Water Flow Meter (Onicon F-3500)	2,615.16	71.84
				Note: Excludes pipe fittings.		
	23 09 23 00-0699	EA		Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210)	155.73	23.94
				Note: Excludes pipe fittings.		
	23 09 23 00-0700			Air Flow Monitoring Stations <small>(23 09 23 00-0663)</small>		
	23 09 23 00-0701	EA		Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)	2,073.29	81.24
				Note: 10' cable, 36" x 24" typical duct size.		
	23 09 23 00-0702	EA		Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	2,951.66	81.24
				Note: 10' cable, 48" x 36" typical duct size.		
	23 09 23 00-0703	EA		Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	3,659.82	81.24
				Note: 10' cable, 60" x 48" typical duct size.		
	23 09 23 00-0704			Gas Sensors <small>(23 09 23 00-0663)</small>		
	23 09 23 00-0705	EA		6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,091.05	39.53
	23 09 23 00-0706	EA		Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	407.05	26.35
	23 09 23 00-0707	EA		CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)	872.31	39.53
				Note: Solid state sensor.		
	23 09 23 00-0708	EA		CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	490.29	47.44
	23 09 23 00-0709			Current Switches And Current Sensors <small>(23 09 23 00-0663)</small>		
	23 09 23 00-0710	EA		Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203)	81.54	26.35
	23 09 23 00-0711	EA		Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205)	83.49	26.35
	23 09 23 00-0712	EA		VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L)	104.04	26.35
	23 09 23 00-0713	EA		Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24)	87.43	26.35
	23 09 23 00-0714	EA		DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA)	153.32	26.35
	23 09 23 00-0715	EA		DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC)	153.32	26.35
	23 09 23 00-0716	EA		Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709)	105.42	26.35
	23 09 23 00-0717	EA		Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721)	114.08	26.35
	23 09 23 00-0718	EA		Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	2,872.60	131.78
	23 09 23 00-0719	EA		Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2)	448.36	26.35
				Note: 3 phase networked transducer.		
	23 09 23 00-0720	EA		Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3)	661.79	26.35
	23 09 23 00-0721	EA		Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV)	150.67	26.35
	23 09 23 00-0722	EA		Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	207.55	70.00
	23 09 23 00-0723	EA		Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	214.72	70.00
	23 09 23 00-0724	EA		Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	222.91	70.00
	23 09 23 00-0725	EA		Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	233.15	70.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0726	EA		Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	257.69	70.00
23 09 23 00-0727	EA		Toggle Switch	89.52	32.95
23 09 23 00-0728	EA		Maintained Pushbutton Switch.....	94.13	32.95
23 09 23 00-0729	EA		Manual Time Switch.....	137.61	32.95
23 09 23 00-0730	EA		Emergency Stop Switch.....	215.36	32.95
23 09 23 00-0731	EA		Float Switch	230.21	32.95
23 09 23 00-0732	EA		Break Glass Switch.....	676.83	32.95
23 09 23 00-0733	EA		Boiler E-Stop Switch	462.45	32.95
23 09 23 00-0734			Relays <small>(23 09 23 00-0663)</small>		
23 09 23 00-0735	EA		DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	75.66	26.35
23 09 23 00-0736	EA		SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	84.56	26.35
23 09 23 00-0737	EA		SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	109.85	32.95
			Note: Box type.		
23 09 23 00-0738	EA		Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	133.95	26.35
23 09 23 00-0739	EA		DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	72.24	26.35
23 09 23 00-0740	EA		SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	70.62	26.35
23 09 23 00-0741	EA		SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	74.66	26.35
23 09 23 00-0742	EA		DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	71.00	26.35
23 09 23 00-0743	EA		SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	77.95	26.35
23 09 23 00-0744	EA		SPDT Pilot Relay, Universal (Kele RIBU1C).....	100.89	32.95
			Note: Box type.		
23 09 23 00-0745	EA		SPST Pilot Relay With HOA Switch (Kele RIBU1S).....	108.93	32.95
			Note: Box type.		
23 09 23 00-0746	EA		SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	214.36	32.95
23 09 23 00-0747	EA		SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer	253.47	32.95
23 09 23 00-0748			Surge Protectors <small>(23 09 23 00-0663)</small>		
23 09 23 00-0749	EA		Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	175.91	6.59
23 09 23 00-0750	EA		Surge Protector, 1AC Outlet (Transtector TR2251)	133.84	6.59
23 09 23 00-0751	EA		Surge Protector, 2 AC Outlets (Transtector TR2254)	206.23	6.59
23 09 23 00-0752	EA		Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	113.30	6.59
23 09 23 00-0753	EA		Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	113.30	6.59
23 09 23 00-0754	EA		Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	113.30	6.59
23 09 23 00-0755	EA		Surge Protector, Individual Wire Connection (Transtector TR2258)	162.22	6.59
23 09 23 00-0756	EA		Surge Protector, Trane Communication Links (Transtector TR2257)	101.56	6.59
23 09 23 00-0757			Transformers <small>(23 09 23 00-0663)</small>		
23 09 23 00-0758	EA		50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	91.96	26.35
23 09 23 00-0759	EA		75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	99.11	26.35
23 09 23 00-0760	EA		75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	102.29	26.35
23 09 23 00-0761	EA		100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	105.62	26.35
23 09 23 00-0762	EA		100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	113.81	26.35
23 09 23 00-0763			Power Supplies <small>(23 09 23 00-0663)</small>		
23 09 23 00-0764	EA		Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	116.82	26.35
23 09 23 00-0765	EA		AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2)	136.41	26.35
23 09 23 00-0766	EA		DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	125.45	26.35
23 09 23 00-0767	EA		DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	129.47	26.35
23 09 23 00-0768	EA		DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	129.47	26.35
23 09 23 00-0769	EA		DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	129.47	26.35
23 09 23 00-0770	EA		DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C).....	105.83	26.35
23 09 23 00-0771			Control Damper Actuators <small>(23 09 23 00-0663)</small>		
23 09 23 00-0772	EA		44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	369.65	69.91
23 09 23 00-0773	EA		90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	387.10	69.91
23 09 23 00-0774	EA		90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	445.65	69.91
23 09 23 00-0775	EA		175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	456.95	69.91
23 09 23 00-0776	EA		90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	483.65	69.91
23 09 23 00-0777	EA		360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	523.70	69.91
23 09 23 00-0778			Valves With Actuator <small>(23 09 23 00-0663)</small>		
23 09 23 00-0779	EA		1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US).....	403.16	10.49
23 09 23 00-0780	EA		3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US).....	418.46	14.14
23 09 23 00-0781	EA		1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	458.76	17.12
23 09 23 00-0782	EA		1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	502.00	21.68
23 09 23 00-0783	EA		1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	571.97	25.03
23 09 23 00-0784	EA		2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	647.04	29.57
23 09 23 00-0785	EA		2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1).....	1,211.88	59.14



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0786	EA			3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1).....	1,316.14	69.21
23 09 23 00-0787	EA			4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1).....	1,780.33	101.66
23 09 23 00-0788	EA			5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1).....	2,617.52	146.92
23 09 23 00-0789	EA			6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1).....	2,899.27	162.65
23 09 23 00-0790	EA			1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US).....	435.79	15.74
23 09 23 00-0791	EA			3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US).....	451.53	21.22
23 09 23 00-0792	EA			1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US).....	490.43	25.68
23 09 23 00-0793	EA			1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US).....	545.56	32.53
23 09 23 00-0794	EA			1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US).....	698.77	37.54
23 09 23 00-0795	EA			2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US).....	776.42	44.36
23 09 23 00-0796	EA			2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1).....	1,376.19	88.72
23 09 23 00-0797	EA			3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1).....	1,515.62	103.82
23 09 23 00-0798	EA			4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1).....	2,206.22	152.49
23 09 23 00-0799	EA			5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1).....	3,199.68	220.37
23 09 23 00-0800	EA			6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1).....	3,556.55	243.98
23 09 23 00-0801	EA			1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC).....	109.43	10.49
23 09 23 00-0802	EA			3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC).....	126.77	14.14
23 09 23 00-0803	EA			1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC).....	161.02	17.12
23 09 23 00-0804	EA			1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC).....	130.76	15.74
23 09 23 00-0805	EA			3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC).....	151.63	21.22
23 09 23 00-0806	EA			1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC).....	190.54	25.68
23 09 23 00-0807	EA			1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3).....	152.57	10.49
23 09 23 00-0808	EA			3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3).....	196.60	14.14
23 09 23 00-0809	EA			1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3).....	204.05	17.12
23 09 23 00-0810	EA			1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3).....	266.82	21.68
23 09 23 00-0811	EA			1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3).....	275.16	25.03
23 09 23 00-0812	EA			2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3).....	350.20	29.57
23 09 23 00-0813	EA			2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3).....	752.80	59.14
23 09 23 00-0814	EA			3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3).....	883.76	69.21
23 09 23 00-0815	EA			1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3).....	184.17	15.74
23 09 23 00-0816	EA			3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3).....	212.24	21.22
23 09 23 00-0817	EA			1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3).....	273.73	25.68
23 09 23 00-0818	EA			1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3).....	389.44	32.53
23 09 23 00-0819	EA			1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3).....	410.17	37.54
23 09 23 00-0820	EA			2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3).....	539.17	44.36
23 09 23 00-0821	EA			2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1).....	447.77	54.22
23 09 23 00-0822	EA			2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	469.33	59.14
23 09 23 00-0823	EA			3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1).....	616.72	69.21
23 09 23 00-0824	EA			4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1).....	975.48	116.18
23 09 23 00-0825	EA			5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24).....	1,852.38	146.92
23 09 23 00-0826	EA			6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24).....	2,002.66	162.65
23 09 23 00-0827	EA			8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24).....	2,781.72	185.90
23 09 23 00-0828	EA			10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24).....	3,492.15	227.72
23 09 23 00-0829	EA			12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24).....	4,131.67	276.02
23 09 23 00-0830	EA			14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24).....	4,590.74	325.31
23 09 23 00-0831	EA			16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110).....	6,072.95	357.85
23 09 23 00-0832	EA			18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110).....	7,360.46	397.53
23 09 23 00-0833	EA			2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1).....	826.74	81.33
23 09 23 00-0834	EA			2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1).....	973.60	88.72
23 09 23 00-0835	EA			3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1).....	1,202.38	103.82
23 09 23 00-0836	EA			4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1).....	1,605.48	174.27
23 09 23 00-0837	EA			5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24).....	2,976.80	220.37
23 09 23 00-0838	EA			6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	3,406.59	243.98
23 09 23 00-0839	EA			8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	4,210.68	278.86
23 09 23 00-0840	EA			10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	5,576.28	341.58
23 09 23 00-0841	EA			12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	5,233.62	414.04
23 09 23 00-0842	EA			14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	6,544.68	487.97
23 09 23 00-0843	EA			16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	11,910.15	536.76
23 09 23 00-0844	EA			18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	17,786.84	596.30
23 09 23 00-0845 Valve Actuators (23 09 23 00-0663)						
23 09 23 00-0846	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	309.88	67.19
23 09 23 00-0847	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	317.27	67.19
23 09 23 00-0848	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	348.85	67.19
23 09 23 00-0849	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxially Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	359.77	67.19
23 09 23 00-0850	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	362.53	67.19
23 09 23 00-0851	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	405.48	67.19
23 09 23 00-0852	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	425.81	67.19
23 09 23 00-0853	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	433.66	67.19
23 09 23 00-0854	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	452.59	67.19
23 09 23 00-0855	EA			120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	340.83	67.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0856 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	380.55	67.19
23 09 23 00-0857 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	380.55	67.19
23 09 23 00-0858 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	386.56	67.19
23 09 23 00-0859 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	393.18	67.19
23 09 23 00-0860 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxially Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	433.20	67.19
23 09 23 00-0861 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	447.05	67.19
23 09 23 00-0862 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	453.06	67.19
23 09 23 00-0863 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	466.10	67.19
23 09 23 00-0864 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	467.84	67.19
23 09 23 00-0865 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	472.46	67.19
23 09 23 00-0866 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	578.68	67.19
23 09 23 00-0867 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	617.94	67.19
23 09 23 00-0868 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	425.35	67.19
23 09 23 00-0869 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	495.09	67.19
23 09 23 00-0870 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,222.05	67.19
23 09 23 00-0871 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,361.53	67.19
23 09 23 00-0872 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,661.74	67.19
23 09 23 00-0873 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	1,871.88	67.19
23 09 23 00-0874 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,188.25	67.19
23 09 23 00-0875 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,574.83	67.19
23 09 23 00-0876 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,376.61	67.19
23 09 23 00-0877 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,125.27	67.19
23 09 23 00-0878 Rectangular Volume Control Dampers (23 09 23 00-0863) Note: Excludes actuators.		
23 09 23 00-0879 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	117.67	26.23
23 09 23 00-0880 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	132.26	28.78
23 09 23 00-0881 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	147.69	31.74
23 09 23 00-0882 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	171.00	37.23
23 09 23 00-0883 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	193.48	42.31
23 09 23 00-0884 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	197.90	47.60
23 09 23 00-0885 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	240.33	52.89
23 09 23 00-0886 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	287.15	63.47
23 09 23 00-0887 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	365.31	74.04
23 09 23 00-0888 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	530.76	84.62
23 09 23 00-0889 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	945.78	95.20
23 09 23 00-0890 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,194.42	105.78
23 09 23 00-0891 Round Control Galvanized Dampers (23 09 23 00-0863) Note: Excludes actuators.		
23 09 23 00-0892 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	120.47	31.74
23 09 23 00-0893 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	120.52	31.74
23 09 23 00-0894 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	125.09	31.74
23 09 23 00-0895 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	130.74	31.74
23 09 23 00-0896 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	147.68	31.74
23 09 23 00-0897 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	170.89	42.31
23 09 23 00-0898 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	229.05	44.54
23 09 23 00-0899 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	239.25	46.16
23 09 23 00-0900 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	254.34	49.76
23 09 23 00-0901 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	269.67	53.37
23 09 23 00-0902 Peco Thermostats and Sensors (23 09 23 00-0863)		
23 09 23 00-0903 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-1AQ).....	296.96	61.77
23 09 23 00-0904 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	376.35	61.77
23 09 23 00-0905 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	162.16	18.53
23 09 23 00-0906 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	137.52	18.53
23 09 23 00-0907 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	215.49	18.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0908	EA		Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	185.25	18.53
23 09 23 00-0909	EA		Door Switch Occupancy Sensor (Peco SE200-001)	45.41	18.53
23 09 23 00-0910	EA		Window Switch Occupancy Sensor (Peco SE200-002)	43.80	18.53
23 09 23 00-0911	EA		Power Pack And Controller (Peco SF200-001)	81.93	18.53

23 10 Facility Fuel Systems ⁽²³⁾

23 11 Facility Fuel Piping ^(23 10)

23 11 23 Facility Natural-Gas Piping ^(23 11)

23 11 23 00-0001			Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping ^(23 11 23)		
23 11 23 00-0002			Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0001)		
Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.					
23 11 23 00-0003	LF		3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	4.27	1.43
23 11 23 00-0004	LF		1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	4.69	1.54
23 11 23 00-0005	LF		3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.60	1.67
23 11 23 00-0006	LF		1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.04	1.76
23 11 23 00-0007	LF		1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.27	1.85
23 11 23 00-0008	LF		1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.51	1.93
23 11 23 00-0009	LF		2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	16.91	2.05

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0001)

23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)

23 11 23 00-0012	EA		3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	20.37	
23 11 23 00-0013	EA		3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	20.37	
23 11 23 00-0014	EA		1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0015	EA		1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0016	EA		3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.17	
23 11 23 00-0017	EA		1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.80	
23 11 23 00-0018	EA		1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.80	
23 11 23 00-0019	EA		1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.34	
23 11 23 00-0020	EA		1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	109.84	
23 11 23 00-0021	EA		2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	177.39	

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)

23 11 23 00-0023	EA		3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.74	
23 11 23 00-0024	EA		1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0025	EA		1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0026	EA		3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.17	
23 11 23 00-0027	EA		3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.17	
23 11 23 00-0028	EA		1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.26	
23 11 23 00-0029	EA		1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.26	

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)

23 11 23 00-0031	EA		3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.54	
23 11 23 00-0032	EA		1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.82	

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)

23 11 23 00-0034	EA		3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.17	
23 11 23 00-0035	EA		1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.14	
23 11 23 00-0036	EA		3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.70	
23 11 23 00-0037	EA		1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.79	
23 11 23 00-0038	EA		1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.12	
23 11 23 00-0039	EA		1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	194.75	
23 11 23 00-0040	EA		2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	322.89	

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.62	
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.09	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.73	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	162.38	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	174.57	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	200.33	
23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.45	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.31	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.51	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.82	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.34	
23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.89	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.65	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.47	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.21	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.21	
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.71	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.78	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.89	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	72.18	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	74.92	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	107.46	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	133.34	
23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.07	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.11	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.76	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	90.80	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	93.70	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	128.40	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	161.70	
23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.97	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.03	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.30	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	64.76	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	125.14	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	198.82	
23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
Note: Includes mounting plate.		
23 11 23 00-0084 EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.43	
23 11 23 00-0085 EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.43	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.45	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.53	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	23.49	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.85	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.43	
23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.				
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.20	14.97
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	71.30	15.71
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.50	13.09
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.97	15.56
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	64.96	18.71
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	81.38	24.99
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
Note: Includes mounting hardware.				
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.85	15.56
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.45	18.71
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.75	15.56
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	65.98	18.71
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	126.59	46.77
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.00	15.56
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.00	15.56
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	82.31	15.56
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.54	18.71
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.54	18.71
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	101.01	24.99
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	150.43	28.06
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.18	15.56
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	194.08	18.71
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	470.76	28.06
23 11 23 00-0116		Gas Stops <small>(23 11 23)</small>		
23 11 23 00-0117		Brass Gas Stops <small>(23 11 23 00-0116)</small>		
Note: Flat or square head				
23 11 23 00-0118	EA	3/8" Gas Stop, Brass.....	33.30	8.12
23 11 23 00-0119	EA	1/2" Gas Stop, Brass.....	32.55	8.12
23 11 23 00-0120	EA	3/4" Gas Stop, Brass.....	43.11	8.94
23 11 23 00-0121	EA	1" Gas Stop, Brass.....	57.74	10.16
23 11 23 00-0122	EA	1-1/4" Gas Stop, Brass.....	75.68	10.81
23 11 23 00-0123	EA	1-1/2" Gas Stop, Brass.....	92.96	12.52
23 11 23 00-0124	EA	2" Gas Stop, Brass.....	123.60	14.80
23 11 23 00-0125		Iron Body Gas Stops <small>(23 11 23 00-0116)</small>		
23 11 23 00-0126	EA	1/2" Gas Stop, Iron Body.....	40.08	8.12
23 11 23 00-0127	EA	3/4" Gas Stop, Iron Body.....	50.52	8.94
23 11 23 00-0128	EA	1" Gas Stop, Iron Body.....	62.21	10.16
23 11 23 00-0129	EA	1-1/4" Gas Stop, Iron Body.....	80.02	10.81
23 11 23 00-0130	EA	1-1/2" Gas Stop, Iron Body.....	98.41	12.52
23 11 23 00-0131	EA	2" Gas Stop, Iron Body.....	124.84	14.80
23 11 23 00-0132	EA	2-1/2" Gas Stop, Iron Body.....	224.05	19.98
23 11 23 00-0133	EA	3" Gas Stop, Iron Body.....	292.91	23.20
23 11 23 00-0134		Bronze Body Solenoid Valves, 150 PSI Gas <small>(23 11 23)</small>		
23 11 23 00-0135	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	84.56	8.12
23 11 23 00-0136	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	98.02	8.12
23 11 23 00-0137	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	125.64	8.94
23 11 23 00-0138	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas.....	184.20	10.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0139 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	323.60	12.52
23 11 23 00-0140 EA 2" Solenoid Valve, Bronze, 150 PSI, Gas.....	537.26	14.80
23 11 23 00-0141 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	669.00	19.98
23 11 23 00-0142 EA 3" Solenoid Valve, Bronze, 150 PSI, Gas.....	993.42	23.20
23 11 33 Facility Fiberglass Reinforced Piping (23 11)		
23 11 33 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 33)		
23 11 33 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 33 00-0001)		
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 33 00-0003 LF 2" Fiberglass Reinforced Plastic Pipe.....	12.99	5.39
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-6.04	
23 11 33 00-0004 LF 3" Fiberglass Reinforced Plastic Pipe.....	15.57	6.44
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-7.25	
23 11 33 00-0005 LF 4" Fiberglass Reinforced Plastic Pipe.....	21.01	9.51
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-10.67	
23 11 33 00-0006 LF 5" Fiberglass Reinforced Plastic Pipe.....	24.49	10.93
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-12.02	
23 11 33 00-0007 LF 6" Fiberglass Reinforced Plastic Pipe.....	28.47	12.20
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-13.74	
23 11 33 00-0008 LF 8" Fiberglass Reinforced Plastic Pipe.....	38.08	14.59
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-16.39	
23 11 33 00-0009 LF 10" Fiberglass Reinforced Plastic Pipe.....	49.74	17.34
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-19.54	
23 11 33 00-0010 LF 12" Fiberglass Reinforced Plastic Pipe.....	64.96	21.84
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-24.57	
23 11 33 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 33 00-0001)		
23 11 33 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 33 00-0011)		
23 11 33 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	105.04	53.66
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-60.35	
23 11 33 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	124.42	64.44
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-72.43	
23 11 33 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	148.00	74.84
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-84.14	
23 11 33 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	178.97	86.27
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-95.17	
23 11 33 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	213.45	96.79
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-108.83	
23 11 33 00-0018 EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	298.31	120.95
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-136.04	
23 11 33 00-0019 EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	379.19	145.69
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-163.84	
23 11 33 00-0020 EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	500.55	180.67
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-203.15	
23 11 33 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 33 00-0011)		
23 11 33 00-0022 EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	105.23	53.66
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-60.35	
23 11 33 00-0023 EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	124.47	64.44
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-72.43	
23 11 33 00-0024 EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	148.19	74.91
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-84.20	
23 11 33 00-0025 EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	183.06	88.98
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-98.22	
23 11 33 00-0026 EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	213.38	96.79
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-108.83	
23 11 33 00-0027 EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	298.31	120.95
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-136.04	
23 11 33 00-0028 EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	388.50	145.69
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-163.84	
23 11 33 00-0029 EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	500.55	180.67
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-203.15	
23 11 33 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 33 00-0011)		
23 11 33 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee.....	156.05	80.52
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-90.53	
23 11 33 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee.....	190.35	96.99
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-109.03	
23 11 33 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee.....	218.66	112.33
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-126.30	
23 11 33 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee.....	265.74	133.43
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-147.39	
23 11 33 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee.....	306.61	145.69
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-163.84	
23 11 33 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee.....	383.00	180.67
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-203.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0037 EA 10" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	540.30 -245.75	218.54
23 11 33 00-0038 EA 12" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	694.99 -298.76	265.70
23 11 33 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 33 00-0011)		
23 11 33 00-0040 EA 2" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	179.97 -90.53	80.52
23 11 33 00-0041 EA 3" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	224.41 -108.89	96.84
23 11 33 00-0042 EA 4" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	262.15 -126.29	112.33
23 11 33 00-0043 EA 5" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.78 -147.39	133.43
23 11 33 00-0044 EA 6" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	337.20 -163.84	145.69
23 11 33 00-0045 EA 8" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	431.37 -203.15	180.67
23 11 33 00-0046 EA 10" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	601.30 -245.75	218.54
23 11 33 00-0047 EA 12" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	761.49 -298.76	265.70
23 11 33 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 33 00-0011)		
23 11 33 00-0049 EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	110.42 -60.35	53.66
23 11 33 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	137.87 -72.43	64.44
23 11 33 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	155.51 -84.20	74.91
23 11 33 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	180.94 -98.22	88.98
23 11 33 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	201.81 -108.83	96.79
23 11 33 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	260.42 -136.04	120.95
23 11 33 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	323.65 -163.84	145.69
23 11 33 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	423.27 -203.15	180.67
23 11 33 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 33 00-0011)		
23 11 33 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	99.73 -60.35	53.66
23 11 33 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	117.44 -72.43	64.44
23 11 33 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	135.10 -84.20	74.91
23 11 33 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	160.95 -98.22	88.98
23 11 33 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	182.25 -108.83	96.79
23 11 33 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	206.54 -136.04	120.95
23 11 33 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	254.59 -163.84	145.69
23 11 33 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	349.44 -203.15	180.67
23 11 33 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 33 00-0011)		
23 11 33 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	14.98 -7.25	6.44
23 11 33 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	29.89 -14.45	12.87
23 11 33 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	38.06 -11.12	9.88
23 11 33 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	46.32 -15.25	13.57
23 11 33 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	40.11 -10.88	9.65
23 11 33 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	51.30 -16.32	14.51
23 11 33 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	61.56 -17.96	16.25
23 11 33 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	71.84 -19.61	17.41
23 11 33 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	49.61 -22.85	20.31

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple.....	69.02	29.02
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-32.63	
23 11 33 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple.....	69.19	20.68
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-23.23	
23 11 33 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple.....	103.78	30.91
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-34.79	
23 11 33 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple.....	77.85	21.33
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-23.96	
23 11 33 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple.....	106.14	31.93
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-35.93	
23 11 33 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 33 00-0011)		
23 11 33 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling.....	85.35	53.66
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-60.35	
23 11 33 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling.....	102.52	64.44
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-72.43	
23 11 33 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling.....	118.96	74.91
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-84.20	
23 11 33 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling.....	140.22	88.98
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-98.22	
23 11 33 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling.....	156.93	96.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.83	
23 11 33 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling.....	198.72	120.95
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-136.04	
23 11 33 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling.....	244.84	145.69
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-163.84	
23 11 33 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling.....	301.98	180.67
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.15	
23 11 33 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 33 00-0011)		
23 11 33 00-0091 EA 2" Fiberglass Reinforced Plastic Flange.....	85.96	53.66
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-60.35	
23 11 33 00-0092 EA 3" Fiberglass Reinforced Plastic Flange.....	103.32	64.44
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-72.43	
23 11 33 00-0093 EA 4" Fiberglass Reinforced Plastic Flange.....	117.78	72.48
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-81.48	
23 11 33 00-0094 EA 5" Fiberglass Reinforced Plastic Flange.....	139.22	86.27
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-95.23	
23 11 33 00-0095 EA 6" Fiberglass Reinforced Plastic Flange.....	160.47	96.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.83	
23 11 33 00-0096 EA 8" Fiberglass Reinforced Plastic Flange.....	194.51	115.80
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-130.23	
23 11 33 00-0097 EA 10" Fiberglass Reinforced Plastic Flange.....	250.35	145.69
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-163.84	
23 11 33 00-0098 EA 12" Fiberglass Reinforced Plastic Flange.....	324.04	180.67
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.15	
23 11 33 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 33)		
23 11 33 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 33 00-0099)		
23 11 33 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	49.93	23.13
23 11 33 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	59.36	27.39
23 11 33 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	81.65	40.41
23 11 33 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	110.00	52.39
23 11 33 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	143.87	62.40
23 11 33 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	184.35	74.00
23 11 33 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	234.25	93.38
23 11 33 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 33 00-0099)		
23 11 33 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 33 00-0108)		
23 11 33 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	753.51	286.18
23 11 33 00-0111 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	882.74	343.50
23 11 33 00-0112 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,071.48	399.17
23 11 33 00-0113 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,676.22	516.09
23 11 33 00-0114 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,511.51	645.24
23 11 33 00-0115 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,286.60	776.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0116 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,308.41	961.30
23 11 33 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 33 00-0108)		
23 11 33 00-0118 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	754.22	286.18
23 11 33 00-0119 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	881.50	343.50
23 11 33 00-0120 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,070.50	399.17
23 11 33 00-0121 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,670.50	516.09
23 11 33 00-0122 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,503.23	645.24
23 11 33 00-0123 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,275.76	776.64
23 11 33 00-0124 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,296.31	963.48
23 11 33 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 33 00-0108)		
23 11 33 00-0126 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,082.50	429.26
23 11 33 00-0127 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,334.14	517.34
23 11 33 00-0128 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,522.19	599.07
23 11 33 00-0129 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,259.59	777.00
23 11 33 00-0130 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,836.79	963.48
23 11 33 00-0131 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,385.44	1,164.17
23 11 33 00-0132 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,799.67	1,411.51
23 11 33 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 33 00-0108)		
23 11 33 00-0134 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,379.59	429.26
23 11 33 00-0135 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,758.38	516.74
23 11 33 00-0136 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,062.32	599.07
23 11 33 00-0137 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,639.33	777.00
23 11 33 00-0138 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,437.32	963.48
23 11 33 00-0139 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,142.90	1,164.17
23 11 33 00-0140 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,625.35	1,411.51
23 11 33 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 33 00-0108)		
23 11 33 00-0142 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	800.92	286.18
23 11 33 00-0143 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,027.72	343.50
23 11 33 00-0144 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,135.45	399.17
23 11 33 00-0145 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,477.72	516.09
23 11 33 00-0146 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,948.67	645.24
23 11 33 00-0147 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,470.03	776.28
23 11 33 00-0148 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,333.55	961.30
23 11 33 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 33 00-0108)		
23 11 33 00-0150 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	668.15	286.18
23 11 33 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	774.16	343.50
23 11 33 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	882.13	399.17
23 11 33 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,234.92	516.09
23 11 33 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,279.67	645.24
23 11 33 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,612.51	776.28
23 11 33 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,416.86	961.30

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 33 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 33 00-0108)</small>			
23 11 33 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	117.52		34.35
23 11 33 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	234.77		68.55
23 11 33 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	367.56		52.68
23 11 33 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	431.21		72.34
23 11 33 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	395.26		51.58
23 11 33 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	482.84		77.42
23 11 33 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	706.73		93.02
23 11 33 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	400.20		108.40
23 11 33 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	548.91		154.76
23 11 33 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	639.77		110.14
23 11 33 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	960.08		164.99
23 11 33 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	740.29		113.62
23 11 33 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	978.60		170.44

23 11 33 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 33 00-0108)</small>			
23 11 33 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	692.85		386.43
23 11 33 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	964.48		516.09
23 11 33 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,185.33		617.74
23 11 33 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,559.94		776.28
23 11 33 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,101.44		961.30

23 12 Facility Fuel Pumps (23 10)**23 12 13 Facility Fuel-Oil Pumps (23 12)**

23 12 13 00-0001		Cast Iron Internal Gear Rotary Pump <small>(23 12 13)</small>			
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.					
23 12 13 00-0002		10 GPM 1" Discharge <small>(23 12 13 00-0001)</small>			
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,794.86		217.14
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,847.93		262.82
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,997.36		312.23

23 12 13 00-0006		25 GPM 1-1/4" Discharge <small>(23 12 13 00-0001)</small>			
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,835.58		217.14
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,918.24		262.82
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	2,000.80		312.23

23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI <small>(23 12 13)</small>			
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,307.77		121.67
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,548.24		136.28
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,686.86		152.74
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,831.46		172.22
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,655.76		191.69
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	3,279.52		214.52
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,630.21		240.35
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	4,464.49		268.80
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	5,287.06		301.38
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	5,918.56		338.06
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	6,636.06		378.95

23 12 23 Facility Natural-Gas Pumps (23 12)

23 12 23 00-0001		Natural Gas Booster Pump <small>(23 12 23)</small>			
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	652.86		112.31
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	770.34		125.41
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	858.76		131.04
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	968.25		136.65
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,088.07		140.39

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)****23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)**

23 13 13 13-0001		Coated Underground Double Wall Storage Tanks <small>(23 13 13 13)</small>			
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.					
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	4,733.53		514.20
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	5,079.36		514.20



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 13-0004	EA		1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,255.59	642.72
23 13 13 13-0005	EA		2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	10,251.95	1,255.38
23 13 13 13-0006	EA		3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,000.21	1,613.97
23 13 13 13-0007	EA		4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,871.54	1,853.69
23 13 13 13-0008	EA		5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,670.40	2,450.97
23 13 13 13-0009	EA		6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	20,422.45	2,631.54
23 13 13 13-0010	EA		8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	24,838.56	3,108.84
23 13 13 13-0011	EA		10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	28,754.18	3,585.82
23 13 13 13-0012	EA		12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	36,241.86	3,943.28
23 13 13 13-0013	EA		14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	43,058.97	4,787.78
23 13 13 13-0014	EA		15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	44,591.01	5,081.08
23 13 13 13-0015	EA		20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	56,247.39	8,059.65
23 13 13 13-0016	EA		25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	69,584.93	10,451.39
23 13 13 13-0017	EA		30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	81,687.92	11,958.30
23 13 13 13-0018	EA		40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	102,939.98	12,855.17
23 13 13 13-0019	EA		48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	135,900.87	13,184.82

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA		550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,280.94	514.20
23 13 13 23-0004	EA		1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,863.70	642.72
23 13 13 23-0005	EA		2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,722.14	795.23
23 13 13 23-0006	EA		2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,252.27	968.62
23 13 13 23-0007	EA		3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,777.39	1,136.04
23 13 13 23-0008	EA		4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,853.25	1,494.79
23 13 13 23-0009	EA		5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,162.27	2,272.08
23 13 13 23-0010	EA		6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,211.40	2,869.99
23 13 13 23-0011	EA		8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,764.36	3,228.74
23 13 13 23-0012	EA		10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,074.46	3,826.66
23 13 13 23-0013	EA		12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,103.84	4,544.15
23 13 13 23-0014	EA		15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,404.70	5,680.19
23 13 13 23-0015	EA		20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,101.44	7,593.52
23 13 13 23-0016	EA		25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	32,329.29	9,447.05
23 13 13 23-0017	EA		30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	39,467.78	11,360.38
23 13 13 23-0018	EA		40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	56,546.73	16,442.66
23 13 13 23-0019	EA		50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	79,546.58	20,927.02

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA		550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	4,237.50	514.20
23 13 13 23-0022	EA		1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,571.87	642.72
23 13 13 23-0023	EA		2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	6,682.83	777.29
23 13 13 23-0024	EA		3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,737.39	1,136.12
23 13 13 23-0025	EA		4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,895.75	1,494.79
23 13 13 23-0026	EA		5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,606.27	2,272.08
23 13 13 23-0027	EA		6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,051.40	2,869.99
23 13 13 23-0028	EA		8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	15,924.36	3,228.74
23 13 13 23-0029	EA		10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	17,234.46	3,826.66
23 13 13 23-0030	EA		12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,813.84	4,544.15
23 13 13 23-0031	EA		15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	28,432.20	5,680.19
23 13 13 23-0032	EA		20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,411.44	7,593.52
23 13 13 23-0033	EA		30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	54,537.78	11,360.38

23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)

23 13 13 23-0035	EA		Secondary Containment Collar	649.25	
23 13 13 23-0036	EA		Turbine Enclosure With Lid 4' Long x 42" Diameter	649.25	
23 13 13 23-0037	EA		Fitting Kit For Turbine Enclosure	129.85	
23 13 13 23-0038	EA		Grommet Kits For Plumbing And Electrical	259.70	
23 13 13 23-0039	EA		Turbine Electrical Coupling Kit	324.63	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 13-0001 Fuel Day Tank (23 13 23 13)

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA		10 Gallon Double Wall Steel Day Tank; Tramont TRX	859.88	97.60
23 13 23 13-0003	EA		15 Gallon Double Wall Steel Day Tank; Tramont TRX	923.49	102.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0004 EA 25 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,002.52	109.79
23 13 23 13-0005 EA 50 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,152.13	117.12
23 13 23 13-0006 EA 60 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,285.10	121.99
23 13 23 13-0007 EA 75 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,514.88	146.39
23 13 23 13-0008 EA 100 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,039.70	170.79
23 13 23 13-0009 EA 150 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,582.16	195.18
23 13 23 13-0010 EA 200 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,313.74	219.59
23 13 23 13-0011 EA 275 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,693.57	243.98
23 13 23 13-0012 EA 300 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,226.26	292.78
23 13 23 13-0013 EA 350 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,733.75	341.58
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,256.37	390.38
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,834.13	414.77
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,415.68	439.17
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,076.67	463.57
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,654.44	487.96
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,523.15	585.56
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,193.27	634.36
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,088.46	731.95
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,987.42	829.54
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,043.96	97.60
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,108.83	102.47
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,187.86	109.79
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,336.21	117.12
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,469.17	121.99
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,700.22	146.39
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,242.69	170.79
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,785.15	195.18
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,516.73	219.59
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,896.56	243.98
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,429.25	292.78
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,936.74	341.58
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,459.36	390.38
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,037.12	414.77
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,618.67	439.17
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,280.92	463.57
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,858.69	487.96
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,726.14	585.56
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,396.26	634.36
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,291.45	731.95
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,190.41	829.54
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,741.18	97.60
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,798.50	102.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,849.78	109.79
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,048.57	117.12
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,123.53	121.99
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,345.75	146.39
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,823.92	170.79
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,565.59	195.18
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,009.71	219.59
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,244.37	243.98
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,925.83	292.78
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,334.97	341.58
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,892.90	390.38
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,444.19	414.77
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,171.99	439.17
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,473.65	463.57
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,743.77	487.96
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,999.56	585.56
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,220.65	634.36
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,552.08	731.95
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,904.93	829.54
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,573.32	97.60
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,630.63	102.47
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,681.92	109.79
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,880.71	117.12
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,955.67	121.99
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,177.88	146.39
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,656.06	170.79
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,397.73	195.18
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,897.32	219.59
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,786.52	243.98
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,467.98	292.78
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,878.38	341.58
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,435.05	390.38
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,987.60	414.77
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,714.14	439.17
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,015.80	463.57
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,285.92	487.96
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,541.71	585.56
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,764.06	634.36
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,094.23	731.95
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,447.08	829.54
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,038.56	97.60

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,102.17	102.47
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,154.72	109.79
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,359.81	117.12
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,470.08	121.99
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,672.12	146.39
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,169.21	170.79
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,946.18	195.18
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,406.69	219.59
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,689.26	243.98
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,406.02	292.78
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,776.08	341.58
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,409.65	390.38
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,076.94	414.77
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,748.00	439.17
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,086.22	463.57
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,337.44	487.96
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,649.96	585.56
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,930.31	634.36
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,321.00	731.95
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,730.59	829.54
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,870.69	97.60
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,934.31	102.47
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,986.85	109.79
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,191.95	117.12
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,302.21	121.99
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,501.74	146.39
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,001.34	170.79
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,778.31	195.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,238.82	219.59
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,231.40	243.98
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,948.17	292.78
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,444.31	341.58
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,951.80	390.38
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,619.09	414.77
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,290.15	439.17
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,628.37	463.57
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,880.85	487.96
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,192.11	585.56
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,472.46	634.36
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,863.14	731.95
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,272.74	829.54
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	851.66	97.60
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	923.04	102.47
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,001.81	109.79
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,145.48	117.12
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,524.75	121.99
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,565.41	146.39
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	1,968.89	170.79
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,437.27	195.18
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,203.55	219.59
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,026.43	243.98
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	4,833.37	292.78
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,192.63	341.58
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	5,553.57	390.38
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,098.50	414.77
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	6,645.10	439.17
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,120.16	463.57
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	7,600.17	487.96
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	8,598.29	585.56
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	9,545.03	634.36
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	10,599.74	731.95
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	11,617.83	829.54
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	898.08	102.47
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	977.03	109.79
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,059.49	117.12
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,206.41	121.99
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,638.82	146.39
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,679.49	170.79
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,103.12	195.18
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,595.26	219.59
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,401.86	243.98
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,268.18	268.39
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	5,115.45	317.17
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,490.15	365.97
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	5,866.61	414.77
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,439.56	439.17
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	7,014.28	463.57
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,513.46	487.96
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	8,058.55	536.76
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	9,103.08	634.36
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	10,179.24	731.95
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	11,283.49	829.54
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	12,349.11	927.14
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	983.13	97.60
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,071.16	102.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,159.92	109.79
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,336.87	117.12
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	1,787.70	121.99
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	1,828.36	146.39
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	2,291.76	170.79
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	2,838.36	195.18
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	3,740.65	219.59
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	4,752.05	243.98
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	5,707.11	292.78
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	6,117.96	341.58
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	6,532.16	390.38
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	7,181.94	414.77
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	7,833.39	439.17
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	8,386.65	463.57
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	8,953.22	487.96
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	10,126.09	585.56
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	11,249.24	634.36
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	12,478.70	731.95
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	13,671.53	829.54
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,036.86	102.47
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,133.38	109.79
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,226.38	117.12
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,408.44	121.99
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	1,916.39	146.39
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	1,957.06	170.79
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	2,443.92	195.18
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,018.63	219.59
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	3,968.81	243.98
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	5,034.12	268.39
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	6,037.73	317.17
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	6,466.89	365.97
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	6,899.57	414.77
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	7,583.19	439.17
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	8,268.58	463.57
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	8,850.31	487.96
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	9,486.77	536.76
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	10,715.75	634.36
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	11,978.13	731.95
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	13,266.84	829.54
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	14,516.91	927.14

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 16-0001****Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002 EA 275 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	1,748.90	530.42
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,106.12	642.08
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,857.30	885.13
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,662.78	1,106.41
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,560.48	1,469.20
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,278.93	1,512.40
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,848.86	1,869.88
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,790.04	2,142.53
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,868.24	2,337.29
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	15,977.62	2,571.03
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,696.30	2,856.68
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,193.27	3,672.87
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	29,694.09	4,285.05

23 13 23 16-0015**Double Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016 EA 275 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,626.87	661.85
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,161.14	800.92
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,283.72	1,106.41
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,507.28	1,383.02
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,766.52	1,836.47
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,618.60	1,890.44
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,698.56	2,328.83
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	18,474.10	2,678.18
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,838.82	2,921.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	25,232.69	3,213.76
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	27,941.53	3,570.91
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	34,988.51	4,591.11
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	47,186.63	5,356.28
 23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)		
23 13 23 19-0002 EA Steel Dike For 550 Gallon Tank, Uncoated.....	2,949.77	
23 13 23 19-0003 EA Steel Dike For 1,000 Gallon Tank, Uncoated.....	3,565.63	
23 13 23 19-0004 EA Steel Dike For 2,000 Gallon Tank, Uncoated.....	7,748.01	
23 13 23 19-0005 EA Steel Dike For 3,000 Gallon Tank, Uncoated.....	8,493.37	
23 13 23 19-0006 EA Steel Dike For 5,000 Gallon Tank, Uncoated.....	12,050.44	
23 13 23 19-0007 EA Steel Dike For 6,000 Gallon Tank, Uncoated.....	13,500.03	
23 13 23 19-0008 EA Steel Dike For 8,000 Gallon Tank, Uncoated.....	17,811.89	
23 13 23 19-0009 EA Steel Dike For 10,000 Gallon Tank, Uncoated.....	20,910.11	
23 13 23 19-0010 EA Steel Dike For 12,000 Gallon Tank, Uncoated.....	23,749.22	
23 13 23 19-0011 EA Steel Dike For 15,000 Gallon Tank, Uncoated.....	28,922.27	
23 13 23 19-0012 EA Steel Dike For 20,000 Gallon Tank, Uncoated.....	37,013.46	
 23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)		
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank.....	16,529.03	1,112.04
For Low Profile Tanks, Add	5,990.94	
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank.....	20,778.14	1,255.38
For Low Profile Tanks, Add	7,610.58	
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank.....	36,666.72	1,494.79
For Low Profile Tanks, Add	13,832.39	
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank.....	58,346.43	3,287.82
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank.....	66,603.34	3,590.84
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank.....	74,924.63	3,877.83
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank.....	83,228.78	4,207.97
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank.....	91,527.64	4,479.18
 23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)		
23 13 33 00-0001 EPA Requirements (23 13 33)		
23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon).....	331.81	
23 13 33 00-0003 EA Over-Fill Prevention Valve.....	490.74	
23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass.....	1,521.35	
23 13 33 00-0005 EA Tank Manway With Cover, Steel.....	1,281.90	
23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent).....	76.03	
23 13 33 00-0007 EA Reservoir Sensor, Liquid Level.....	176.70	
23 13 33 00-0008 EA Manhole Spill Containment.....	674.98	189.44
23 13 33 00-0009 EA Fill Adapter, 4".....	186.73	126.32
23 13 33 00-0010 EA Fill Cap, 4".....	122.02	47.36
23 13 33 00-0011 EA Vent Cap, 2".....	77.00	31.60
23 13 33 00-0012 EA 4" X 2" Extractor Fitting.....	190.16	47.36
23 13 33 00-0013 EA Float Vent Valve.....	237.90	94.72
23 13 33 00-0014 EA Vapor Hose Adapter.....	203.20	63.12
23 13 33 00-0015 EA Dust Cap.....	96.19	34.47
23 13 33 00-0016 EA 1" Double Poppet Foot Valve.....	216.55	54.11
23 13 33 00-0017 EA 10' Wood Gage Stick.....	19.44	
23 13 33 00-0018 EA 1-1/4" Tank Filled Breather, NPT.....	62.96	
23 13 33 00-0019 EA 1-1/2" Tank Filled Breather, Bayonet.....	79.79	
23 13 33 00-0020 EA 2" Cast Iron Combination Fill Cap And Vent.....	53.44	
23 13 33 00-0021 EA 3" Cast Iron Combination Fill Cap And Vent.....	70.92	
23 13 33 00-0022 EA 4" Cast Iron Combination Fill Cap And Vent.....	109.15	
23 13 33 00-0023 EA Pressure And Vacuum Control Vent.....	307.96	
23 13 33 00-0024 EA 1/4 HP Fuel/Diesel Pump Set.....	984.63	
23 13 33 00-0025 EA 1/3 HP Fuel/Diesel Pump Set.....	1,161.49	
23 13 33 00-0026 EA 1/2 HP Fuel/Diesel Pump Set.....	1,267.73	
23 13 33 00-0027 EA 3/4 HP Fuel/Diesel Pump Set.....	1,391.05	
23 13 33 00-0028 EA 1 HP Fuel/Diesel Pump Set.....	1,967.34	
23 13 33 00-0029 EA 1-1/2 HP Fuel/Diesel Pump Set.....	2,420.71	
23 13 33 00-0030 EA 2 HP Fuel/Diesel Pump Set.....	2,681.28	
23 13 33 00-0031 EA 3 HP Fuel/Diesel Pump Set.....	3,284.19	
23 13 33 00-0032 EA 5 HP Fuel/Diesel Pump Set.....	3,880.69	
23 13 33 00-0033 EA 7.5 HP Fuel/Diesel Pump Set.....	4,344.20	
23 13 33 00-0034 EA 10 HP Fuel/Diesel Pump Set.....	5,012.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 33 00-0035		Tank Bulkhead Fittings <small>(23 13 33)</small>	
23 13 33 00-0036		Tank Bulkhead Fittings <small>(23 13 33 00-0035)</small>	
23 13 33 00-0037		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>	
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	26.09
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	29.10
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	31.96
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	37.69
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	39.31
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	49.49
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	73.74
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	122.03
23 13 33 00-0046		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>	
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	29.33
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	32.32
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	35.31
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	42.89
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	45.87
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	55.44
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	81.67
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	133.30
23 13 33 00-0055		Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>	
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	30.06
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	34.44
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	38.66
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	49.09
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	62.13
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	92.46
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	140.00
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection <small>(23 13 33 00-0036)</small>	
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	34.16
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	39.89
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread.....	48.19
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	57.76
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	59.38
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread.....	81.83
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread.....	140.04
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread.....	242.88
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection <small>(23 13 33 00-0036)</small>	
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	31.45
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread.....	39.23
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	40.86
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	42.48
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread.....	56.42
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread.....	69.81
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>	
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	110.62
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	126.41
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	154.47
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	177.55
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	204.30
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	256.21
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	331.88
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	366.40
23 13 33 00-0088		Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>	
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	115.14
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	115.93
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	167.05
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	171.00
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	228.02



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 20 HVAC Piping And Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping And Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

	<p>Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p>		
23 21 13 23-0003	<p>LF 1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 11.67</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 2.58</p> <p><i>For Work In Restricted Working Space, Add</i> 3.09</p>	2.99	
23 21 13 23-0004	<p>LF 3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 12.35</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 2.75</p> <p><i>For Work In Restricted Working Space, Add</i> 3.23</p>	3.21	
23 21 13 23-0005	<p>LF 1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 13.31</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 3.01</p> <p><i>For Work In Restricted Working Space, Add</i> 3.41</p>	3.52	
23 21 13 23-0006	<p>LF 1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 14.68</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 3.37</p> <p><i>For Work In Restricted Working Space, Add</i> 3.68</p>	3.67	
23 21 13 23-0007	<p>LF 1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 14.99</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 3.46</p> <p><i>For Work In Restricted Working Space, Add</i> 3.73</p>	4.34	
23 21 13 23-0008	<p>LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 17.17</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 4.00</p> <p><i>For Work In Restricted Working Space, Add</i> 4.20</p>	5.24	
23 21 13 23-0009	<p>LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 22.56</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 5.44</p> <p><i>For Work In Restricted Working Space, Add</i> 5.22</p>	6.21	
23 21 13 23-0010	<p>LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 27.84</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 6.75</p> <p><i>For Work In Restricted Working Space, Add</i> 6.39</p>	8.31	
23 21 13 23-0011	<p>LF 4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 32.53</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 8.18</p> <p><i>For Work In Restricted Working Space, Add</i> 6.97</p>	9.65	
23 21 13 23-0012	<p>LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 42.99</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 11.35</p> <p><i>For Work In Restricted Working Space, Add</i> 8.30</p>	12.34	
23 21 13 23-0013	<p>LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly 52.85</p> <p>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 14.44</p> <p><i>For Work In Restricted Working Space, Add</i> 9.41</p>	14.59	
23 21 13 23-0014	<p>Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small></p> <p>Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.</p>		
23 21 13 23-0015	<p>Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small></p> <p>Note: ASTM A-53. Includes coupling.</p>		
23 21 13 23-0016	<p>LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 4.39</p> <p><i>For Work In Restricted Working Space, Add</i> 1.13</p>	1.87	
23 21 13 23-0017	<p>LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... 5.10</p> <p><i>For Schedule 80 Pipe, Add</i> 0.71</p> <p><i>For Work In Restricted Working Space, Add</i> 1.36</p>	2.99	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	5.58	3.21
			<i>For Schedule 80 Pipe, Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
23 21	13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	6.34	3.52
			<i>For Schedule 80 Pipe, Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	1.57	
23 21	13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	7.03	3.67
			<i>For Schedule 80 Pipe, Add</i>	1.22	
			<i>For Work In Restricted Working Space, Add</i>	1.66	
23 21	13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	8.30	4.34
			<i>For Schedule 80 Pipe, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	1.95	
23 21	13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	10.28	5.24
			<i>For Schedule 80 Pipe, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
23 21	13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	13.26	6.21
			<i>For Schedule 80 Pipe, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
23 21	13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	17.59	8.31
			<i>For Schedule 80 Pipe, Add</i>	3.55	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	21.79	9.65
			<i>For Schedule 80 Pipe, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	4.35	
23 21	13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	28.33	12.34
			<i>For Schedule 80 Pipe, Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	5.54	
23 21	13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	34.86	14.59
			<i>For Schedule 80 Pipe, Add</i>	8.04	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21	13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	45.67	17.63
			<i>For Schedule 80 Pipe, Add</i>	11.32	
			<i>For Work In Restricted Working Space, Add</i>	7.91	
23 21	13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	59.56	21.47
			<i>For Schedule 80 Pipe, Add</i>	15.51	
			<i>For Work In Restricted Working Space, Add</i>	9.68	
23 21	13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	79.04	28.23
			<i>For Schedule 80 Pipe, Add</i>	20.76	
			<i>For Work In Restricted Working Space, Add</i>	12.70	
23 21	13 23-0031		Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21	13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....	18.05	8.31
			<i>For 225 LB Rating, Add</i>	1.24	
			<i>For 300 LB Rating, Add</i>	4.41	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	4.99	
23 21	13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	21.32	13.32
			<i>For 225 LB Rating, Add</i>	1.20	
			<i>For 300 LB Rating, Add</i>	4.49	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	23.91	14.89
			<i>For 225 LB Rating, Add</i>	1.37	
			<i>For 300 LB Rating, Add</i>	5.11	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	6.70	
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	27.84	16.61
			<i>For 225 LB Rating, Add</i>	2.53	
			<i>For 300 LB Rating, Add</i>	8.43	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	33.63	18.86
			<i>For 225 LB Rating, Add</i>	4.72	
			<i>For 300 LB Rating, Add</i>	14.63	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	38.13	21.25
			<i>For 225 LB Rating, Add</i>	5.50	
			<i>For 300 LB Rating, Add</i>	16.98	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	49.67	27.02
			<i>For 225 LB Rating, Add</i>	8.07	
			<i>For 300 LB Rating, Add</i>	24.56	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	83.26	39.96
			<i>For 225 LB Rating, Add</i>	20.47	
			<i>For 300 LB Rating, Add</i>	59.73	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	17.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow	113.69	52.54
For 225 LB Rating, Add	30.55	
For 300 LB Rating, Add	88.51	
For Standard Weight Cast Iron Fittings, Add	0.56	
For Work In Restricted Working Space, Add	23.63	
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow	158.78	56.45
For 225 LB Rating, Add	64.86	
For 300 LB Rating, Add	182.99	
For Standard Weight Cast Iron Fittings, Add	1.19	
For Work In Restricted Working Space, Add	25.40	
23 21 13 23-0042 EA 5", 150 LB, Black Malleable Iron 90 Degree Elbow	282.54	58.91
For 225 LB Rating, Add	169.93	
For 300 LB Rating, Add	471.40	
For Standard Weight Cast Iron Fittings, Add	3.11	
For Work In Restricted Working Space, Add	26.50	
23 21 13 23-0043 EA 6", 150 LB, Black Malleable Iron 90 Degree Elbow	303.86	61.60
For 225 LB Rating, Add	185.08	
For 300 LB Rating, Add	513.19	
For Standard Weight Cast Iron Fittings, Add	3.38	
For Work In Restricted Working Space, Add	27.70	
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0045 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	18.53	10.63
For 225 LB Rating, Add	2.28	
For 300 LB Rating, Add	7.20	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	4.78	
23 21 13 23-0046 EA 1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	23.61	13.47
For 225 LB Rating, Add	2.96	
For 300 LB Rating, Add	9.33	
For Standard Weight Cast Iron Fittings, Add	0.05	
For Work In Restricted Working Space, Add	6.07	
23 21 13 23-0047 EA 1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	23.61	13.47
For 225 LB Rating, Add	2.96	
For 300 LB Rating, Add	9.33	
For Standard Weight Cast Iron Fittings, Add	0.05	
For Work In Restricted Working Space, Add	6.07	
23 21 13 23-0048 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	33.73	18.86
For 225 LB Rating, Add	4.80	
For 300 LB Rating, Add	14.87	
For Standard Weight Cast Iron Fittings, Add	0.09	
For Work In Restricted Working Space, Add	8.47	
23 21 13 23-0049 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	34.07	18.86
For 225 LB Rating, Add	5.10	
For 300 LB Rating, Add	15.69	
For Standard Weight Cast Iron Fittings, Add	0.09	
For Work In Restricted Working Space, Add	8.47	
23 21 13 23-0050 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	35.01	18.86
For 225 LB Rating, Add	5.92	
For 300 LB Rating, Add	17.94	
For Standard Weight Cast Iron Fittings, Add	0.11	
For Work In Restricted Working Space, Add	8.47	
23 21 13 23-0051 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	39.25	21.25
For 225 LB Rating, Add	6.48	
For 300 LB Rating, Add	19.67	
For Standard Weight Cast Iron Fittings, Add	0.12	
For Work In Restricted Working Space, Add	9.56	
23 21 13 23-0052 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	39.25	21.25
For 225 LB Rating, Add	6.48	
For 300 LB Rating, Add	19.67	
For Standard Weight Cast Iron Fittings, Add	0.12	
For Work In Restricted Working Space, Add	9.56	
23 21 13 23-0053 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	40.33	21.25
For 225 LB Rating, Add	7.42	
For 300 LB Rating, Add	22.26	
For Standard Weight Cast Iron Fittings, Add	0.14	
For Work In Restricted Working Space, Add	9.56	
23 21 13 23-0054 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	51.19	27.02
For 225 LB Rating, Add	9.40	
For 300 LB Rating, Add	28.20	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	12.14	
23 21 13 23-0055 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	52.66	27.02
For 225 LB Rating, Add	10.68	
For 300 LB Rating, Add	31.73	
For Standard Weight Cast Iron Fittings, Add	0.20	
For Work In Restricted Working Space, Add	12.14	
23 21 13 23-0056 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	52.66	27.02
For 225 LB Rating, Add	10.68	
For 300 LB Rating, Add	31.73	
For Standard Weight Cast Iron Fittings, Add	0.20	
For Work In Restricted Working Space, Add	12.14	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0057	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	52.66	27.02
			<i>For 225 LB Rating, Add</i>	10.68	
			<i>For 300 LB Rating, Add</i>	31.73	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
23 21	13 23-0058	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	89.34	39.96
			<i>For 225 LB Rating, Add</i>	25.79	
			<i>For 300 LB Rating, Add</i>	74.32	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.47	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 21	13 23-0059	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	89.34	39.96
			<i>For 225 LB Rating, Add</i>	25.79	
			<i>For 300 LB Rating, Add</i>	74.32	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.47	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 21	13 23-0060	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	126.34	52.54
			<i>For 225 LB Rating, Add</i>	41.62	
			<i>For 300 LB Rating, Add</i>	118.87	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
23 21	13 23-0061	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	126.34	52.54
			<i>For 225 LB Rating, Add</i>	41.62	
			<i>For 300 LB Rating, Add</i>	118.87	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
23 21	13 23-0062	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	166.05	56.45
			<i>For 225 LB Rating, Add</i>	71.23	
			<i>For 300 LB Rating, Add</i>	200.44	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.30	
			<i>For Work In Restricted Working Space, Add</i>	25.40	
23 21	13 23-0063		Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21	13 23-0064	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	18.78	8.31
			<i>For 225 LB Rating, Add</i>	1.88	
			<i>For 300 LB Rating, Add</i>	6.16	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	4.99	
23 21	13 23-0065	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	22.06	13.32
			<i>For 225 LB Rating, Add</i>	1.85	
			<i>For 300 LB Rating, Add</i>	6.26	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21	13 23-0066	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	24.99	14.89
			<i>For 225 LB Rating, Add</i>	2.32	
			<i>For 300 LB Rating, Add</i>	7.70	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	6.70	
23 21	13 23-0067	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow.....	28.33	16.61
			<i>For 225 LB Rating, Add</i>	2.96	
			<i>For 300 LB Rating, Add</i>	9.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
23 21	13 23-0068	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	34.37	18.86
			<i>For 225 LB Rating, Add</i>	5.36	
			<i>For 300 LB Rating, Add</i>	16.41	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
23 21	13 23-0069	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	39.45	21.25
			<i>For 225 LB Rating, Add</i>	6.65	
			<i>For 300 LB Rating, Add</i>	20.15	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 21	13 23-0070	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	50.26	27.02
			<i>For 225 LB Rating, Add</i>	8.58	
			<i>For 300 LB Rating, Add</i>	25.97	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
23 21	13 23-0071	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	90.37	39.96
			<i>For 225 LB Rating, Add</i>	26.69	
			<i>For 300 LB Rating, Add</i>	76.79	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.49	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 21	13 23-0072	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbowack	120.70	52.54
			<i>For 225 LB Rating, Add</i>	36.68	
			<i>For 300 LB Rating, Add</i>	105.33	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
23 21	13 23-0073	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	161.63	56.45
			<i>For 225 LB Rating, Add</i>	67.36	
			<i>For 300 LB Rating, Add</i>	189.83	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	25.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0074 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow	334.66	58.91
For 225 LB Rating, Add	215.54	
For 300 LB Rating, Add	596.49	
For Standard Weight Cast Iron Fittings, Add	3.94	
For Work In Restricted Working Space, Add	26.50	
23 21 13 23-0075 EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow	354.16	61.60
For 225 LB Rating, Add	229.09	
For 300 LB Rating, Add	633.91	
For Standard Weight Cast Iron Fittings, Add	4.19	
For Work In Restricted Working Space, Add	27.70	
23 21 13 23-0076 Black Malleable Iron Tees (23 21 13 23-0014)		
23 21 13 23-0077 EA 3/8", 150 LB, Black Malleable Iron Tee.....	22.68	10.41
For 225 LB Rating, Add	1.65	
For 300 LB Rating, Add	5.78	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	6.24	
23 21 13 23-0078 EA 1/2", 150 LB, Black Malleable Iron Tee.....	26.72	16.61
For 225 LB Rating, Add	1.55	
For 300 LB Rating, Add	5.75	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	7.49	
23 21 13 23-0079 EA 3/4", 150 LB, Black Malleable Iron Tee.....	31.34	19.23
For 225 LB Rating, Add	2.23	
For 300 LB Rating, Add	7.85	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	8.64	
23 21 13 23-0080 EA 1", 150 LB, Black Malleable Iron Tee.....	38.53	22.67
For 225 LB Rating, Add	3.95	
For 300 LB Rating, Add	12.87	
For Standard Weight Cast Iron Fittings, Add	0.07	
For Work In Restricted Working Space, Add	10.21	
23 21 13 23-0081 EA 1-1/4", 150 LB, Black Malleable Iron Tee.....	47.80	27.02
For 225 LB Rating, Add	6.43	
For 300 LB Rating, Add	20.07	
For Standard Weight Cast Iron Fittings, Add	0.12	
For Work In Restricted Working Space, Add	12.14	
23 21 13 23-0082 EA 1-1/2", 150 LB, Black Malleable Iron Tee.....	57.40	32.18
For 225 LB Rating, Add	7.98	
For 300 LB Rating, Add	24.78	
For Standard Weight Cast Iron Fittings, Add	0.15	
For Work In Restricted Working Space, Add	14.48	
23 21 13 23-0083 EA 2", 150 LB, Black Malleable Iron Tee.....	73.11	39.96
For 225 LB Rating, Add	11.59	
For 300 LB Rating, Add	35.37	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	17.96	
23 21 13 23-0084 EA 2-1/2", 150 LB, Black Malleable Iron Tee.....	110.65	52.54
For 225 LB Rating, Add	27.89	
For 300 LB Rating, Add	81.21	
For Standard Weight Cast Iron Fittings, Add	0.51	
For Work In Restricted Working Space, Add	23.63	
23 21 13 23-0085 EA 3", 150 LB, Black Malleable Iron Tee.....	141.40	62.41
For 225 LB Rating, Add	41.87	
For 300 LB Rating, Add	120.45	
For Standard Weight Cast Iron Fittings, Add	0.77	
For Work In Restricted Working Space, Add	28.07	
23 21 13 23-0086 EA 4", 150 LB, Black Malleable Iron Tee.....	219.36	71.32
For 225 LB Rating, Add	98.38	
For 300 LB Rating, Add	276.25	
For Standard Weight Cast Iron Fittings, Add	1.80	
For Work In Restricted Working Space, Add	32.08	
23 21 13 23-0087 EA 5", 150 LB, Black Malleable Iron Tee.....	380.60	84.67
For 225 LB Rating, Add	221.93	
For 300 LB Rating, Add	616.33	
For Standard Weight Cast Iron Fittings, Add	4.06	
For Work In Restricted Working Space, Add	38.09	
23 21 13 23-0088 EA 6", 150 LB, Black Malleable Iron Tee.....	448.75	96.79
For 225 LB Rating, Add	265.69	
For 300 LB Rating, Add	737.44	
For Standard Weight Cast Iron Fittings, Add	4.86	
For Work In Restricted Working Space, Add	43.53	
23 21 13 23-0089 Black Malleable Iron Reducing Tees (23 21 13 23-0014)		
23 21 13 23-0090 EA 1/2", 150 LB, Black Malleable Iron Reducing Tee.....	27.01	16.61
For 225 LB Rating, Add	1.80	
For 300 LB Rating, Add	6.44	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	7.49	
23 21 13 23-0091 EA 3/4", 150 LB, Black Malleable Iron Reducing Tee.....	31.68	19.23
For 225 LB Rating, Add	2.53	
For 300 LB Rating, Add	8.66	
For Standard Weight Cast Iron Fittings, Add	0.05	
For Work In Restricted Working Space, Add	8.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0092	EA	1", 150 LB, Black Malleable Iron Reducing Tee.....	39.02	22.67
			<i>For 225 LB Rating, Add</i>	4.38	
			<i>For 300 LB Rating, Add</i>	14.04	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
23 21	13 23-0093	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	48.79	27.02
			<i>For 225 LB Rating, Add</i>	7.30	
			<i>For 300 LB Rating, Add</i>	22.44	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
23 21	13 23-0094	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	58.58	32.18
			<i>For 225 LB Rating, Add</i>	9.01	
			<i>For 300 LB Rating, Add</i>	27.62	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
23 21	13 23-0095	EA	2", 150 LB, Black Malleable Iron Reducing Tee.....	74.87	39.96
			<i>For 225 LB Rating, Add</i>	13.13	
			<i>For 300 LB Rating, Add</i>	39.59	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.24	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 21	13 23-0096	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	114.87	52.54
			<i>For 225 LB Rating, Add</i>	31.58	
			<i>For 300 LB Rating, Add</i>	91.34	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
23 21	13 23-0097	EA	3", 150 LB, Black Malleable Iron Reducing Tee.....	147.58	62.41
			<i>For 225 LB Rating, Add</i>	47.28	
			<i>For 300 LB Rating, Add</i>	135.29	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	28.07	
23 21	13 23-0098	EA	4", 150 LB, Black Malleable Iron Reducing Tee.....	212.79	71.32
			<i>For 225 LB Rating, Add</i>	92.63	
			<i>For 300 LB Rating, Add</i>	260.48	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
23 21	13 23-0099	EA	5", 150 LB, Black Malleable Iron Reducing Tee.....	370.08	84.67
			<i>For 225 LB Rating, Add</i>	212.72	
			<i>For 300 LB Rating, Add</i>	591.08	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	3.89	
			<i>For Work In Restricted Working Space, Add</i>	38.09	
23 21	13 23-0100	EA	6", 150 LB, Black Malleable Iron Reducing Tee.....	436.35	96.79
			<i>For 225 LB Rating, Add</i>	254.84	
			<i>For 300 LB Rating, Add</i>	707.68	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	4.66	
			<i>For Work In Restricted Working Space, Add</i>	43.53	
23 21	13 23-0101	EA	8", 150 LB, Black Malleable Iron Reducing Tee.....	1,240.84	169.42
			<i>For 225 LB Rating, Add</i>	863.53	
			<i>For 300 LB Rating, Add</i>	2,383.77	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	15.79	
			<i>For Work In Restricted Working Space, Add</i>	76.19	
23 21	13 23-0102		Black Malleable Iron Couplings (23 21 13 23-0014)		
23 21	13 23-0103	EA	3/8", 150 LB, Black Malleable Iron Coupling.....	18.41	8.31
			<i>For 225 LB Rating, Add</i>	1.56	
			<i>For 300 LB Rating, Add</i>	5.27	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	4.99	
23 21	13 23-0104	EA	1/2", 150 LB, Black Malleable Iron Coupling.....	21.81	13.32
			<i>For 225 LB Rating, Add</i>	1.63	
			<i>For 300 LB Rating, Add</i>	5.66	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21	13 23-0105	EA	3/4", 150 LB, Black Malleable Iron Coupling.....	24.55	14.89
			<i>For 225 LB Rating, Add</i>	1.93	
			<i>For 300 LB Rating, Add</i>	6.64	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	6.70	
23 21	13 23-0106	EA	1", 150 LB, Black Malleable Iron Coupling.....	28.33	16.61
			<i>For 225 LB Rating, Add</i>	2.96	
			<i>For 300 LB Rating, Add</i>	9.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
23 21	13 23-0107	EA	1-1/4", 150 LB, Black Malleable Iron Coupling.....	32.51	18.86
			<i>For 225 LB Rating, Add</i>	3.74	
			<i>For 300 LB Rating, Add</i>	11.94	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
23 21	13 23-0108	EA	1-1/2", 150 LB, Black Malleable Iron Coupling.....	37.59	21.25
			<i>For 225 LB Rating, Add</i>	5.02	
			<i>For 300 LB Rating, Add</i>	15.69	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	9.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0109 EA 2", 150 LB, Black Malleable Iron Coupling.....	48.83	27.02
<i>For 225 LB Rating, Add</i>	7.33	
<i>For 300 LB Rating, Add</i>	22.54	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	12.14	
23 21 13 23-0110 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	80.95	39.96
<i>For 225 LB Rating, Add</i>	18.45	
<i>For 300 LB Rating, Add</i>	54.18	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
<i>For Work In Restricted Working Space, Add</i>	17.96	
23 21 13 23-0111 EA 3", 150 LB, Black Malleable Iron Coupling.....	107.86	52.54
<i>For 225 LB Rating, Add</i>	25.45	
<i>For 300 LB Rating, Add</i>	74.52	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	23.63	
23 21 13 23-0112 EA 4", 150 LB, Black Malleable Iron Coupling.....	142.65	56.45
<i>For 225 LB Rating, Add</i>	50.75	
<i>For 300 LB Rating, Add</i>	144.28	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	25.40	
23 21 13 23-0113 EA 5", 150 LB, Black Malleable Iron Coupling.....	206.79	58.91
<i>For 225 LB Rating, Add</i>	103.65	
<i>For 300 LB Rating, Add</i>	289.60	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.90	
<i>For Work In Restricted Working Space, Add</i>	26.50	
23 21 13 23-0114 EA 6", 150 LB, Black Malleable Iron Coupling.....	234.14	61.60
<i>For 225 LB Rating, Add</i>	124.08	
<i>For 300 LB Rating, Add</i>	345.86	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.27	
<i>For Work In Restricted Working Space, Add</i>	27.70	
23 21 13 23-0115 Black Malleable Iron Reducing Couplings <small>(23 21 13 23-0014)</small>		
23 21 13 23-0116 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	21.86	13.32
<i>For 225 LB Rating, Add</i>	1.67	
<i>For 300 LB Rating, Add</i>	5.78	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0117 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	24.55	14.89
<i>For 225 LB Rating, Add</i>	1.93	
<i>For 300 LB Rating, Add</i>	6.64	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	6.70	
23 21 13 23-0118 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	28.38	16.61
<i>For 225 LB Rating, Add</i>	3.00	
<i>For 300 LB Rating, Add</i>	9.73	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
<i>For Work In Restricted Working Space, Add</i>	7.49	
23 21 13 23-0119 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	32.51	18.86
<i>For 225 LB Rating, Add</i>	3.74	
<i>For 300 LB Rating, Add</i>	11.94	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
<i>For Work In Restricted Working Space, Add</i>	8.47	
23 21 13 23-0120 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	37.78	21.25
<i>For 225 LB Rating, Add</i>	5.19	
<i>For 300 LB Rating, Add</i>	16.14	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	9.56	
23 21 13 23-0121 EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	48.29	27.02
<i>For 225 LB Rating, Add</i>	6.86	
<i>For 300 LB Rating, Add</i>	21.24	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	12.14	
23 21 13 23-0122 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	78.89	39.96
<i>For 225 LB Rating, Add</i>	16.64	
<i>For 300 LB Rating, Add</i>	49.24	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	17.96	
23 21 13 23-0123 EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	108.15	52.54
<i>For 225 LB Rating, Add</i>	25.70	
<i>For 300 LB Rating, Add</i>	75.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	23.63	
23 21 13 23-0124 EA 4", 150 LB, Black Malleable Iron Reducing Coupling.....	144.07	56.45
<i>For 225 LB Rating, Add</i>	51.99	
<i>For 300 LB Rating, Add</i>	147.69	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.95	
<i>For Work In Restricted Working Space, Add</i>	25.40	
23 21 13 23-0125 EA 5", 150 LB, Black Malleable Iron Reducing Coupling.....	199.68	58.91
<i>For 225 LB Rating, Add</i>	97.43	
<i>For 300 LB Rating, Add</i>	272.54	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.78	
<i>For Work In Restricted Working Space, Add</i>	26.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0126	EA	6", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.90 129.99 362.08 2.38 27.70	61.60
23 21 13 23-0127 Black Malleable Iron Caps (23 21 13 23-0014)					
23 21	13 23-0128	EA	1/2", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.78 1.24 3.97 0.02 2.81	6.21
23 21	13 23-0129	EA	3/4", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.84 1.63 5.06 0.03 2.99	6.66
23 21	13 23-0130	EA	1", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.77 1.98 6.11 0.04 3.45	7.71
23 21	13 23-0131	EA	1-1/4", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.41 2.57 7.80 0.05 3.74	8.31
23 21	13 23-0132	EA	1-1/2", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.49 3.52 10.40 0.06 3.74	8.31
23 21	13 23-0133	EA	2", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.35 4.59 13.57 0.08 4.83	10.70
23 21	13 23-0134	EA	2-1/2", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.31 10.82 30.86 0.20 5.99	13.32
23 21	13 23-0135	EA	3", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.61 17.04 48.18 0.31 7.24	16.09
23 21	13 23-0136	EA	4", 150 LB, Black Malleable Iron Cap..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.37 26.56 74.58 0.49 8.71	19.38
23 21 13 23-0137 Black Malleable Iron Unions (23 21 13 23-0014)					
23 21	13 23-0138	EA	3/8", 150 LB, Black Malleable Iron Union..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.88 4.59 13.60 0.08 4.99	8.31
23 21	13 23-0139	EA	1/2", 150 LB, Black Malleable Iron Union..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.54 4.89 14.91 0.09 7.49	16.61
23 21	13 23-0140	EA	3/4", 150 LB, Black Malleable Iron Union..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.53 5.02 15.50 0.09 8.64	19.23
23 21	13 23-0141	EA	1", 150 LB, Black Malleable Iron Union..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.40 7.33 22.15 0.13 10.21	22.67
23 21	13 23-0142	EA	1-1/4", 150 LB, Black Malleable Iron Union..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.02 10.12 30.20 0.19 12.14	27.02
23 21	13 23-0143	EA	1-1/2", 150 LB, Black Malleable Iron Union..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.40 12.36 36.78 0.23 14.48	32.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0144 EA 2", 150 LB, Black Malleable Iron Union.....	77.72	39.96
For 225 LB Rating, Add	15.62	
For 300 LB Rating, Add	46.43	
For Standard Weight Cast Iron Fittings, Add	0.29	
For Work In Restricted Working Space, Add	17.96	
23 21 13 23-0145 EA 2-1/2", 150 LB, Black Malleable Iron Union	110.77	43.40
For 225 LB Rating, Add	39.99	
For 300 LB Rating, Add	113.58	
For Standard Weight Cast Iron Fittings, Add	0.73	
For Work In Restricted Working Space, Add	19.52	
23 21 13 23-0146 EA 3", 150 LB, Black Malleable Iron Union.....	143.55	52.54
For 225 LB Rating, Add	56.67	
For 300 LB Rating, Add	160.17	
For Standard Weight Cast Iron Fittings, Add	1.04	
For Work In Restricted Working Space, Add	23.63	
23 21 13 23-0147 Black Steel Nipples (23 21 13 23-0014)		
23 21 13 23-0148 EA 3/8" x Close, Schedule 40 Black Steel Nipple.....	11.27	7.11
For Schedule 80 Nipples, Add	0.66	
For 300 LB Rating, Add	2.61	
For ASTM 120, Deduct	-0.09	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.29	
For 225 LB Rating, Add	0.51	
For 300 LB Rating, Add	2.03	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0149 EA 1/2" x Close, Schedule 40 Black Steel Nipple.....	11.18	7.11
For Schedule 80 Nipples, Add	0.56	
For 300 LB Rating, Add	2.31	
For ASTM 120, Deduct	-0.07	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.25	
For 225 LB Rating, Add	0.43	
For 300 LB Rating, Add	1.82	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0150 EA 3/4" x Close, Schedule 40 Black Steel Nipple.....	11.25	7.11
For Schedule 80 Nipples, Add	0.64	
For 300 LB Rating, Add	2.55	
For ASTM 120, Deduct	-0.08	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.28	
For 225 LB Rating, Add	0.49	
For 300 LB Rating, Add	1.99	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0151 EA 1" x Close, Schedule 40 Black Steel Nipple.....	12.32	7.71
For Schedule 80 Nipples, Add	0.92	
For 300 LB Rating, Add	3.44	
For ASTM 120, Deduct	-0.12	
For Work In Restricted Working Space, Add	3.45	
For Schedule 80 Nipples, Add	0.41	
For 225 LB Rating, Add	0.71	
For 300 LB Rating, Add	2.63	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.45	
23 21 13 23-0152 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple	13.50	8.31
For Schedule 80 Nipples, Add	1.17	
For 300 LB Rating, Add	4.25	
For ASTM 120, Deduct	-0.15	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	0.52	
For 225 LB Rating, Add	0.90	
For 300 LB Rating, Add	3.22	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0153 EA 1-1/2" x Close, Scheduling 40 Black Steel Nipple	13.75	8.31
For Schedule 80 Nipples, Add	1.46	
For 300 LB Rating, Add	5.10	
For ASTM 120, Deduct	-0.19	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	0.64	
For 225 LB Rating, Add	1.12	
For 300 LB Rating, Add	3.82	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0154	EA	2" x Close, Schedule 40 Black Steel Nipple.....	17.84	10.70
			<i>For Schedule 80 Nipples, Add</i>	1.98	
			<i>For 300 LB Rating, Add</i>	6.88	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Schedule 80 Nipples, Add</i>	0.87	
			<i>For 225 LB Rating, Add</i>	1.52	
			<i>For 300 LB Rating, Add</i>	5.14	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21	13 23-0155	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple.....	25.40	13.32
			<i>For Schedule 80 Nipples, Add</i>	6.21	
			<i>For 300 LB Rating, Add</i>	19.73	
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Schedule 80 Nipples, Add</i>	2.73	
			<i>For 225 LB Rating, Add</i>	4.77	
			<i>For 300 LB Rating, Add</i>	14.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21	13 23-0156	EA	3" x Close, Schedule 40 Black Steel Nipple.....	30.61	16.09
			<i>For Schedule 80 Nipples, Add</i>	7.38	
			<i>For 300 LB Rating, Add</i>	23.45	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
			<i>For Schedule 80 Nipples, Add</i>	3.24	
			<i>For 225 LB Rating, Add</i>	5.66	
			<i>For 300 LB Rating, Add</i>	16.98	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 21	13 23-0157	EA	4" x Close, Schedule 40 Black Steel Nipple.....	38.77	19.38
			<i>For Schedule 80 Nipples, Add</i>	11.12	
			<i>For 300 LB Rating, Add</i>	34.89	
			<i>For ASTM 120, Deduct</i>	-1.46	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
			<i>For Schedule 80 Nipples, Add</i>	4.88	
			<i>For 225 LB Rating, Add</i>	8.53	
			<i>For 300 LB Rating, Add</i>	25.14	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
23 21	13 23-0158	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	11.34	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.74	
			<i>For 300 LB Rating, Add</i>	2.85	
			<i>For ASTM 120, Deduct</i>	-0.10	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.33	
			<i>For 225 LB Rating, Add</i>	0.57	
			<i>For 300 LB Rating, Add</i>	2.20	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0159	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	11.18	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.56	
			<i>For 300 LB Rating, Add</i>	2.31	
			<i>For ASTM 120, Deduct</i>	-0.07	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.25	
			<i>For 225 LB Rating, Add</i>	0.43	
			<i>For 300 LB Rating, Add</i>	1.82	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0160	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	11.29	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.68	
			<i>For 300 LB Rating, Add</i>	2.68	
			<i>For ASTM 120, Deduct</i>	-0.09	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.30	
			<i>For 225 LB Rating, Add</i>	0.53	
			<i>For 300 LB Rating, Add</i>	2.08	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0161	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	11.34	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.74	
			<i>For 300 LB Rating, Add</i>	2.85	
			<i>For ASTM 120, Deduct</i>	-0.10	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.33	
			<i>For 225 LB Rating, Add</i>	0.57	
			<i>For 300 LB Rating, Add</i>	2.20	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0162 EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	11.18	7.11
For Schedule 80 Nipples, Add	0.56	
For 300 LB Rating, Add	2.31	
For ASTM 120, Deduct	-0.07	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.25	
For 225 LB Rating, Add	0.43	
For 300 LB Rating, Add	1.82	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0163 EA 3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	11.29	7.11
For Schedule 80 Nipples, Add	0.68	
For 300 LB Rating, Add	2.68	
For ASTM 120, Deduct	-0.09	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.30	
For 225 LB Rating, Add	0.53	
For 300 LB Rating, Add	2.08	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0164 EA 1" x 2" Long, Schedule 40 Black Steel Nipple.....	12.40	7.71
For Schedule 80 Nipples, Add	1.01	
For 300 LB Rating, Add	3.72	
For ASTM 120, Deduct	-0.13	
For Work In Restricted Working Space, Add	3.45	
For Schedule 80 Nipples, Add	0.45	
For 225 LB Rating, Add	0.78	
For 300 LB Rating, Add	2.83	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.45	
23 21 13 23-0165 EA 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	13.63	8.31
For Schedule 80 Nipples, Add	1.32	
For 300 LB Rating, Add	4.69	
For ASTM 120, Deduct	-0.17	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	0.58	
For 225 LB Rating, Add	1.02	
For 300 LB Rating, Add	3.53	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0166 EA 1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	13.85	8.31
For Schedule 80 Nipples, Add	1.57	
For 300 LB Rating, Add	5.44	
For ASTM 120, Deduct	-0.21	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	0.69	
For 225 LB Rating, Add	1.21	
For 300 LB Rating, Add	4.06	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0167 EA 3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.53	7.11
For Schedule 80 Nipples, Add	0.96	
For 300 LB Rating, Add	3.50	
For ASTM 120, Deduct	-0.13	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.42	
For 225 LB Rating, Add	0.74	
For 300 LB Rating, Add	2.66	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0168 EA 1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.27	7.11
For Schedule 80 Nipples, Add	0.66	
For 300 LB Rating, Add	2.61	
For ASTM 120, Deduct	-0.09	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.29	
For 225 LB Rating, Add	0.51	
For 300 LB Rating, Add	2.03	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0169 EA 3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.37	7.11
For Schedule 80 Nipples, Add	0.78	
For 300 LB Rating, Add	2.95	
For ASTM 120, Deduct	-0.10	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.34	
For 225 LB Rating, Add	0.60	
For 300 LB Rating, Add	2.27	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0170	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	12.45	7.71
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For 300 LB Rating, Add</i>	3.89	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
			<i>For Schedule 80 Nipples, Add</i>	0.47	
			<i>For 225 LB Rating, Add</i>	0.82	
			<i>For 300 LB Rating, Add</i>	2.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21	13 23-0171	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	13.71	8.31
			<i>For Schedule 80 Nipples, Add</i>	1.41	
			<i>For 300 LB Rating, Add</i>	4.96	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	0.62	
			<i>For 225 LB Rating, Add</i>	1.09	
			<i>For 300 LB Rating, Add</i>	3.72	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0172	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	14.01	8.31
			<i>For Schedule 80 Nipples, Add</i>	1.76	
			<i>For 300 LB Rating, Add</i>	5.98	
			<i>For ASTM 120, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	0.77	
			<i>For 225 LB Rating, Add</i>	1.35	
			<i>For 300 LB Rating, Add</i>	4.44	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0173	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	18.10	10.70
			<i>For Schedule 80 Nipples, Add</i>	2.28	
			<i>For 300 LB Rating, Add</i>	7.77	
			<i>For ASTM 120, Deduct</i>	-0.30	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Schedule 80 Nipples, Add</i>	1.00	
			<i>For 225 LB Rating, Add</i>	1.75	
			<i>For 300 LB Rating, Add</i>	5.77	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21	13 23-0174	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	11.53	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.96	
			<i>For 300 LB Rating, Add</i>	3.50	
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.42	
			<i>For 225 LB Rating, Add</i>	0.74	
			<i>For 300 LB Rating, Add</i>	2.66	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0175	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	11.27	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.66	
			<i>For 300 LB Rating, Add</i>	2.61	
			<i>For ASTM 120, Deduct</i>	-0.09	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.29	
			<i>For 225 LB Rating, Add</i>	0.51	
			<i>For 300 LB Rating, Add</i>	2.03	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0176	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	11.37	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.78	
			<i>For 300 LB Rating, Add</i>	2.95	
			<i>For ASTM 120, Deduct</i>	-0.10	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.34	
			<i>For 225 LB Rating, Add</i>	0.60	
			<i>For 300 LB Rating, Add</i>	2.27	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0177	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	12.45	7.71
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For 300 LB Rating, Add</i>	3.89	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
			<i>For Schedule 80 Nipples, Add</i>	0.47	
			<i>For 225 LB Rating, Add</i>	0.82	
			<i>For 300 LB Rating, Add</i>	2.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0178 EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	13.71	8.31
For Schedule 80 Nipples, Add	1.41	
For 300 LB Rating, Add	4.96	
For ASTM 120, Deduct	-0.19	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	0.62	
For 225 LB Rating, Add	1.09	
For 300 LB Rating, Add	3.72	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0179 EA 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	14.01	8.31
For Schedule 80 Nipples, Add	1.76	
For 300 LB Rating, Add	5.98	
For ASTM 120, Deduct	-0.23	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	0.77	
For 225 LB Rating, Add	1.35	
For 300 LB Rating, Add	4.44	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0180 EA 2" x 3" Long, Schedule 40 Black Steel Nipple.....	18.10	10.70
For Schedule 80 Nipples, Add	2.28	
For 300 LB Rating, Add	7.77	
For ASTM 120, Deduct	-0.30	
For Work In Restricted Working Space, Add	4.83	
For Schedule 80 Nipples, Add	1.00	
For 225 LB Rating, Add	1.75	
For 300 LB Rating, Add	5.77	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	4.83	
23 21 13 23-0181 EA 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	25.54	13.32
For Schedule 80 Nipples, Add	6.37	
For 300 LB Rating, Add	20.20	
For ASTM 120, Deduct	-0.84	
For Work In Restricted Working Space, Add	5.99	
For Schedule 80 Nipples, Add	2.80	
For 225 LB Rating, Add	4.89	
For 300 LB Rating, Add	14.61	
For Standard Weight Cast Iron Fittings, Add	0.09	
For Work In Restricted Working Space, Add	5.99	
23 21 13 23-0182 EA 3" x 3" Long, Schedule 40 Black Steel Nipple.....	31.18	16.09
For Schedule 80 Nipples, Add	8.03	
For 300 LB Rating, Add	25.38	
For ASTM 120, Deduct	-1.06	
For Work In Restricted Working Space, Add	7.24	
For Schedule 80 Nipples, Add	3.52	
For 225 LB Rating, Add	6.16	
For 300 LB Rating, Add	18.34	
For Standard Weight Cast Iron Fittings, Add	0.11	
For Work In Restricted Working Space, Add	7.24	
23 21 13 23-0183 EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.68	7.11
For Schedule 80 Nipples, Add	1.13	
For 300 LB Rating, Add	4.01	
For ASTM 120, Deduct	-0.15	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.50	
For 225 LB Rating, Add	0.87	
For 300 LB Rating, Add	3.02	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0184 EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.38	7.11
For Schedule 80 Nipples, Add	0.79	
For 300 LB Rating, Add	2.99	
For ASTM 120, Deduct	-0.10	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.35	
For 225 LB Rating, Add	0.60	
For 300 LB Rating, Add	2.30	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0185 EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.53	7.11
For Schedule 80 Nipples, Add	0.96	
For 300 LB Rating, Add	3.50	
For ASTM 120, Deduct	-0.13	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	0.42	
For 225 LB Rating, Add	0.74	
For 300 LB Rating, Add	2.66	
For Standard Weight Cast Iron Fittings, Add	0.01	
For Work In Restricted Working Space, Add	3.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0186	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	12.67	7.71
			<i>For Schedule 80 Nipples, Add</i>	1.32	
			<i>For 300 LB Rating, Add</i>	4.63	
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
			<i>For Schedule 80 Nipples, Add</i>	0.58	
			<i>For 225 LB Rating, Add</i>	1.02	
			<i>For 300 LB Rating, Add</i>	3.47	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21	13 23-0187	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	13.93	8.31
			<i>For Schedule 80 Nipples, Add</i>	1.66	
			<i>For 300 LB Rating, Add</i>	5.71	
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	0.73	
			<i>For 225 LB Rating, Add</i>	1.28	
			<i>For 300 LB Rating, Add</i>	4.25	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0188	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	14.20	8.31
			<i>For Schedule 80 Nipples, Add</i>	1.97	
			<i>For 300 LB Rating, Add</i>	6.63	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	0.87	
			<i>For 225 LB Rating, Add</i>	1.51	
			<i>For 300 LB Rating, Add</i>	4.90	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0189	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	18.52	10.70
			<i>For Schedule 80 Nipples, Add</i>	2.76	
			<i>For 300 LB Rating, Add</i>	9.19	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Schedule 80 Nipples, Add</i>	1.21	
			<i>For 225 LB Rating, Add</i>	2.12	
			<i>For 300 LB Rating, Add</i>	6.77	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21	13 23-0190	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	26.53	13.32
			<i>For Schedule 80 Nipples, Add</i>	7.50	
			<i>For 300 LB Rating, Add</i>	23.57	
			<i>For ASTM 120, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Schedule 80 Nipples, Add</i>	3.29	
			<i>For 225 LB Rating, Add</i>	5.76	
			<i>For 300 LB Rating, Add</i>	16.99	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21	13 23-0191	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	32.47	16.09
			<i>For Schedule 80 Nipples, Add</i>	9.50	
			<i>For 300 LB Rating, Add</i>	29.77	
			<i>For ASTM 120, Deduct</i>	-1.25	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
			<i>For Schedule 80 Nipples, Add</i>	4.17	
			<i>For 225 LB Rating, Add</i>	7.29	
			<i>For 300 LB Rating, Add</i>	21.44	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 21	13 23-0192	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	11.68	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.13	
			<i>For 300 LB Rating, Add</i>	4.01	
			<i>For ASTM 120, Deduct</i>	-0.15	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For 225 LB Rating, Add</i>	0.87	
			<i>For 300 LB Rating, Add</i>	3.02	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0193	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	11.38	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.35	
			<i>For 225 LB Rating, Add</i>	0.60	
			<i>For 300 LB Rating, Add</i>	2.30	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0194	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	11.53	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.42	
			<i>For 225 LB Rating, Add</i>	0.74	
			<i>For 300 LB Rating, Add</i>	2.66	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0195 EA 1" x 4" Long, Schedule 40 Black Steel Nipple.....	12.67	7.71
<i>For Schedule 80 Nipples, Add</i>	0.58	
<i>For 225 LB Rating, Add</i>	1.02	
<i>For 300 LB Rating, Add</i>	3.47	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21 13 23-0196 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	13.93	8.31
<i>For Schedule 80 Nipples, Add</i>	0.73	
<i>For 225 LB Rating, Add</i>	1.28	
<i>For 300 LB Rating, Add</i>	4.25	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21 13 23-0197 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	14.20	8.31
<i>For Schedule 80 Nipples, Add</i>	0.87	
<i>For 225 LB Rating, Add</i>	1.51	
<i>For 300 LB Rating, Add</i>	4.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21 13 23-0198 EA 2" x 4" Long, Schedule 40 Black Steel Nipple.....	18.52	10.70
<i>For Schedule 80 Nipples, Add</i>	1.21	
<i>For 225 LB Rating, Add</i>	2.12	
<i>For 300 LB Rating, Add</i>	6.77	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21 13 23-0199 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	26.53	13.32
<i>For Schedule 80 Nipples, Add</i>	3.29	
<i>For 225 LB Rating, Add</i>	5.76	
<i>For 300 LB Rating, Add</i>	16.99	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0200 EA 3" x 4" Long, Schedule 40 Black Steel Nipple.....	32.47	16.09
<i>For Schedule 80 Nipples, Add</i>	4.17	
<i>For 225 LB Rating, Add</i>	7.29	
<i>For 300 LB Rating, Add</i>	21.44	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	7.24	
23 21 13 23-0201 EA 4" x 4" Long, Schedule 40 Black Steel Nipple.....	40.30	19.38
<i>For Schedule 80 Nipples, Add</i>	5.64	
<i>For 225 LB Rating, Add</i>	9.87	
<i>For 300 LB Rating, Add</i>	28.81	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
<i>For Work In Restricted Working Space, Add</i>	8.71	
23 21 13 23-0202 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	12.12	7.11
<i>For Schedule 80 Nipples, Add</i>	1.63	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For ASTM 120, Deduct</i>	-0.21	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Schedule 80 Nipples, Add</i>	0.72	
<i>For 225 LB Rating, Add</i>	1.25	
<i>For 300 LB Rating, Add</i>	4.07	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21 13 23-0203 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	11.50	7.11
<i>For Schedule 80 Nipples, Add</i>	0.92	
<i>For 300 LB Rating, Add</i>	3.40	
<i>For ASTM 120, Deduct</i>	-0.12	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Schedule 80 Nipples, Add</i>	0.41	
<i>For 225 LB Rating, Add</i>	0.71	
<i>For 300 LB Rating, Add</i>	2.59	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21 13 23-0204 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	11.75	7.11
<i>For Schedule 80 Nipples, Add</i>	1.21	
<i>For 300 LB Rating, Add</i>	4.25	
<i>For ASTM 120, Deduct</i>	-0.16	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Schedule 80 Nipples, Add</i>	0.53	
<i>For 225 LB Rating, Add</i>	0.93	
<i>For 300 LB Rating, Add</i>	3.19	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21 13 23-0205 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	12.89	7.71
<i>For Schedule 80 Nipples, Add</i>	1.57	
<i>For 300 LB Rating, Add</i>	5.38	
<i>For ASTM 120, Deduct</i>	-0.21	
<i>For Work In Restricted Working Space, Add</i>	3.45	
<i>For Schedule 80 Nipples, Add</i>	0.69	
<i>For 225 LB Rating, Add</i>	1.21	
<i>For 300 LB Rating, Add</i>	4.00	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	3.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0206	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	14.22	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.00	
			<i>For 300 LB Rating, Add</i>	6.70	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	0.88	
			<i>For 225 LB Rating, Add</i>	1.53	
			<i>For 300 LB Rating, Add</i>	4.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0207	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	14.58	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.41	
			<i>For 300 LB Rating, Add</i>	7.92	
			<i>For ASTM 120, Deduct</i>	-0.32	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	1.06	
			<i>For 225 LB Rating, Add</i>	1.85	
			<i>For 300 LB Rating, Add</i>	5.81	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0208	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	18.88	10.70
			<i>For Schedule 80 Nipples, Add</i>	3.17	
			<i>For 300 LB Rating, Add</i>	10.42	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Schedule 80 Nipples, Add</i>	1.39	
			<i>For 225 LB Rating, Add</i>	2.43	
			<i>For 300 LB Rating, Add</i>	7.64	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21	13 23-0209	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	27.17	13.32
			<i>For Schedule 80 Nipples, Add</i>	8.23	
			<i>For 300 LB Rating, Add</i>	25.75	
			<i>For ASTM 120, Deduct</i>	-1.08	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Schedule 80 Nipples, Add</i>	3.61	
			<i>For 225 LB Rating, Add</i>	6.32	
			<i>For 300 LB Rating, Add</i>	18.53	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21	13 23-0210	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	33.33	16.09
			<i>For Schedule 80 Nipples, Add</i>	10.48	
			<i>For 300 LB Rating, Add</i>	32.69	
			<i>For ASTM 120, Deduct</i>	-1.38	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
			<i>For Schedule 80 Nipples, Add</i>	4.60	
			<i>For 225 LB Rating, Add</i>	8.04	
			<i>For 300 LB Rating, Add</i>	23.50	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 21	13 23-0211	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	41.91	19.38
			<i>For Schedule 80 Nipples, Add</i>	14.69	
			<i>For 300 LB Rating, Add</i>	45.57	
			<i>For ASTM 120, Deduct</i>	-1.93	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
			<i>For Schedule 80 Nipples, Add</i>	6.45	
			<i>For 225 LB Rating, Add</i>	11.28	
			<i>For 300 LB Rating, Add</i>	32.68	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
23 21	13 23-0212	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	12.12	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.63	
			<i>For 300 LB Rating, Add</i>	5.50	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.72	
			<i>For 225 LB Rating, Add</i>	1.25	
			<i>For 300 LB Rating, Add</i>	4.07	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0213	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	11.50	7.11
			<i>For Schedule 80 Nipples, Add</i>	0.92	
			<i>For 300 LB Rating, Add</i>	3.40	
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.41	
			<i>For 225 LB Rating, Add</i>	0.71	
			<i>For 300 LB Rating, Add</i>	2.59	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Piping And Pumps	23 20
Hydronic Piping And Pumps	23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0214 EA 3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	11.75	7.11
<i>For Schedule 80 Nipples, Add</i>	1.21	
<i>For 300 LB Rating, Add</i>	4.25	
<i>For ASTM 120, Deduct</i>	-0.16	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Schedule 80 Nipples, Add</i>	0.53	
<i>For 225 LB Rating, Add</i>	0.93	
<i>For 300 LB Rating, Add</i>	3.19	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21 13 23-0215 EA 1" x 5" Long, Schedule 40 Black Steel Nipple.....	12.89	7.71
<i>For Schedule 80 Nipples, Add</i>	1.57	
<i>For 300 LB Rating, Add</i>	5.38	
<i>For ASTM 120, Deduct</i>	-0.21	
<i>For Work In Restricted Working Space, Add</i>	3.45	
<i>For Schedule 80 Nipples, Add</i>	0.69	
<i>For 225 LB Rating, Add</i>	1.21	
<i>For 300 LB Rating, Add</i>	4.00	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21 13 23-0216 EA 1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	14.22	8.31
<i>For Schedule 80 Nipples, Add</i>	2.00	
<i>For 300 LB Rating, Add</i>	6.70	
<i>For ASTM 120, Deduct</i>	-0.26	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For Schedule 80 Nipples, Add</i>	0.88	
<i>For 225 LB Rating, Add</i>	1.53	
<i>For 300 LB Rating, Add</i>	4.95	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21 13 23-0217 EA 1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	14.58	8.31
<i>For Schedule 80 Nipples, Add</i>	2.41	
<i>For 300 LB Rating, Add</i>	7.92	
<i>For ASTM 120, Deduct</i>	-0.32	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For Schedule 80 Nipples, Add</i>	1.06	
<i>For 225 LB Rating, Add</i>	1.85	
<i>For 300 LB Rating, Add</i>	5.81	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21 13 23-0218 EA 2" x 5" Long, Schedule 40 Black Steel Nipple.....	18.88	10.70
<i>For Schedule 80 Nipples, Add</i>	3.17	
<i>For 300 LB Rating, Add</i>	10.42	
<i>For ASTM 120, Deduct</i>	-0.42	
<i>For Work In Restricted Working Space, Add</i>	4.83	
<i>For Schedule 80 Nipples, Add</i>	1.39	
<i>For 225 LB Rating, Add</i>	2.43	
<i>For 300 LB Rating, Add</i>	7.64	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21 13 23-0219 EA 2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	27.17	13.32
<i>For Schedule 80 Nipples, Add</i>	8.23	
<i>For 300 LB Rating, Add</i>	25.75	
<i>For ASTM 120, Deduct</i>	-1.08	
<i>For Work In Restricted Working Space, Add</i>	5.99	
<i>For Schedule 80 Nipples, Add</i>	3.61	
<i>For 225 LB Rating, Add</i>	6.32	
<i>For 300 LB Rating, Add</i>	18.53	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0220 EA 3" x 5" Long, Schedule 40 Black Steel Nipple.....	33.33	16.09
<i>For Schedule 80 Nipples, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	32.69	
<i>For ASTM 120, Deduct</i>	-1.38	
<i>For Work In Restricted Working Space, Add</i>	7.24	
<i>For Schedule 80 Nipples, Add</i>	4.60	
<i>For 225 LB Rating, Add</i>	8.04	
<i>For 300 LB Rating, Add</i>	23.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
<i>For Work In Restricted Working Space, Add</i>	7.24	
23 21 13 23-0221 EA 4" x 5" Long, Schedule 40 Black Steel Nipple.....	41.91	19.38
<i>For Schedule 80 Nipples, Add</i>	14.69	
<i>For 300 LB Rating, Add</i>	45.57	
<i>For ASTM 120, Deduct</i>	-1.93	
<i>For Work In Restricted Working Space, Add</i>	8.71	
<i>For Schedule 80 Nipples, Add</i>	6.45	
<i>For 225 LB Rating, Add</i>	11.28	
<i>For 300 LB Rating, Add</i>	32.68	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
<i>For Work In Restricted Working Space, Add</i>	8.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0222	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	12.28	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.81	
			<i>For 300 LB Rating, Add</i>	6.05	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.80	
			<i>For 225 LB Rating, Add</i>	1.39	
			<i>For 300 LB Rating, Add</i>	4.46	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0223	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	11.60	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.04	
			<i>For 300 LB Rating, Add</i>	3.74	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.46	
			<i>For 225 LB Rating, Add</i>	0.80	
			<i>For 300 LB Rating, Add</i>	2.83	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.01	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0224	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	11.89	7.11
			<i>For Schedule 80 Nipples, Add</i>	1.37	
			<i>For 300 LB Rating, Add</i>	4.72	
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	0.60	
			<i>For 225 LB Rating, Add</i>	1.05	
			<i>For 300 LB Rating, Add</i>	3.52	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0225	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	13.14	7.71
			<i>For Schedule 80 Nipples, Add</i>	1.86	
			<i>For 300 LB Rating, Add</i>	6.23	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
			<i>For Schedule 80 Nipples, Add</i>	0.82	
			<i>For 225 LB Rating, Add</i>	1.43	
			<i>For 300 LB Rating, Add</i>	4.60	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21	13 23-0226	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	14.55	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.37	
			<i>For 300 LB Rating, Add</i>	7.82	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	1.04	
			<i>For 225 LB Rating, Add</i>	1.82	
			<i>For 300 LB Rating, Add</i>	5.74	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0227	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	14.89	8.31
			<i>For Schedule 80 Nipples, Add</i>	2.76	
			<i>For 300 LB Rating, Add</i>	8.98	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	1.21	
			<i>For 225 LB Rating, Add</i>	2.12	
			<i>For 300 LB Rating, Add</i>	6.56	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0228	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	19.36	10.70
			<i>For Schedule 80 Nipples, Add</i>	3.72	
			<i>For 300 LB Rating, Add</i>	12.05	
			<i>For ASTM 120, Deduct</i>	-0.49	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Schedule 80 Nipples, Add</i>	1.63	
			<i>For 225 LB Rating, Add</i>	2.85	
			<i>For 300 LB Rating, Add</i>	8.79	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21	13 23-0229	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	27.48	13.32
			<i>For Schedule 80 Nipples, Add</i>	8.58	
			<i>For 300 LB Rating, Add</i>	26.80	
			<i>For ASTM 120, Deduct</i>	-1.13	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Schedule 80 Nipples, Add</i>	3.77	
			<i>For 225 LB Rating, Add</i>	6.59	
			<i>For 300 LB Rating, Add</i>	19.27	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	5.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0230 EA 3" x 6" Long, Schedule 40 Black Steel Nipple.....	34.13	16.09
<i>For Schedule 80 Nipples, Add</i>	11.39	
<i>For 300 LB Rating, Add</i>	35.41	
<i>For ASTM 120, Deduct</i>	-1.50	
<i>For Work In Restricted Working Space, Add</i>	7.24	
<i>For Schedule 80 Nipples, Add</i>	5.00	
<i>For 225 LB Rating, Add</i>	8.74	
<i>For 300 LB Rating, Add</i>	25.42	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
<i>For Work In Restricted Working Space, Add</i>	7.24	
23 21 13 23-0231 EA 4" x 6" Long, Schedule 40 Black Steel Nipple.....	42.80	19.38
<i>For Schedule 80 Nipples, Add</i>	15.71	
<i>For 300 LB Rating, Add</i>	48.59	
<i>For ASTM 120, Deduct</i>	-2.07	
<i>For Work In Restricted Working Space, Add</i>	8.71	
<i>For Schedule 80 Nipples, Add</i>	6.89	
<i>For 225 LB Rating, Add</i>	12.06	
<i>For 300 LB Rating, Add</i>	34.81	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22	
<i>For Work In Restricted Working Space, Add</i>	8.71	
23 21 13 23-0232 EA 3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	13.48	7.11
<i>For Schedule 80 Nipples, Add</i>	3.18	
<i>For 300 LB Rating, Add</i>	10.13	
<i>For ASTM 120, Deduct</i>	-0.42	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Schedule 80 Nipples, Add</i>	1.40	
<i>For 225 LB Rating, Add</i>	2.44	
<i>For 300 LB Rating, Add</i>	7.34	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21 13 23-0233 EA 1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	12.32	7.11
<i>For Schedule 80 Nipples, Add</i>	1.86	
<i>For 300 LB Rating, Add</i>	6.18	
<i>For ASTM 120, Deduct</i>	-0.24	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Schedule 80 Nipples, Add</i>	0.82	
<i>For 225 LB Rating, Add</i>	1.43	
<i>For 300 LB Rating, Add</i>	4.55	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21 13 23-0234 EA 3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	12.69	7.11
<i>For Schedule 80 Nipples, Add</i>	2.28	
<i>For 300 LB Rating, Add</i>	7.44	
<i>For ASTM 120, Deduct</i>	-0.30	
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Schedule 80 Nipples, Add</i>	1.00	
<i>For 225 LB Rating, Add</i>	1.75	
<i>For 300 LB Rating, Add</i>	5.44	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21 13 23-0235 EA 1" x 8" Long, Schedule 40 Black Steel Nipple.....	14.18	7.71
<i>For Schedule 80 Nipples, Add</i>	3.04	
<i>For 300 LB Rating, Add</i>	9.77	
<i>For ASTM 120, Deduct</i>	-0.40	
<i>For Work In Restricted Working Space, Add</i>	3.45	
<i>For Schedule 80 Nipples, Add</i>	1.34	
<i>For 225 LB Rating, Add</i>	2.34	
<i>For 300 LB Rating, Add</i>	7.10	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21 13 23-0236 EA 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	15.82	8.31
<i>For Schedule 80 Nipples, Add</i>	3.82	
<i>For 300 LB Rating, Add</i>	12.14	
<i>For ASTM 120, Deduct</i>	-0.50	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For Schedule 80 Nipples, Add</i>	1.68	
<i>For 225 LB Rating, Add</i>	2.93	
<i>For 300 LB Rating, Add</i>	8.79	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21 13 23-0237 EA 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	16.32	8.31
<i>For Schedule 80 Nipples, Add</i>	4.39	
<i>For 300 LB Rating, Add</i>	13.84	
<i>For ASTM 120, Deduct</i>	-0.58	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For Schedule 80 Nipples, Add</i>	1.93	
<i>For 225 LB Rating, Add</i>	3.37	
<i>For 300 LB Rating, Add</i>	9.99	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
<i>For Work In Restricted Working Space, Add</i>	3.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0238	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	21.57	10.70
			For Schedule 80 Nipples, Add	6.24	
			For 300 LB Rating, Add	19.56	
			For ASTM 120, Deduct	-0.82	
			For Work In Restricted Working Space, Add	4.83	
			For Schedule 80 Nipples, Add	2.74	
			For 225 LB Rating, Add	4.79	
			For 300 LB Rating, Add	14.09	
			For Standard Weight Cast Iron Fittings, Add	0.09	
			For Work In Restricted Working Space, Add	4.83	
23 21	13 23-0239	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	29.53	13.32
			For Schedule 80 Nipples, Add	10.92	
			For 300 LB Rating, Add	33.77	
			For ASTM 120, Deduct	-1.44	
			For Work In Restricted Working Space, Add	5.99	
			For Schedule 80 Nipples, Add	4.79	
			For 225 LB Rating, Add	8.38	
			For 300 LB Rating, Add	24.19	
			For Standard Weight Cast Iron Fittings, Add	0.15	
			For Work In Restricted Working Space, Add	5.99	
23 21	13 23-0240	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	37.62	16.09
			For Schedule 80 Nipples, Add	15.37	
			For 300 LB Rating, Add	47.28	
			For ASTM 120, Deduct	-2.02	
			For Work In Restricted Working Space, Add	7.24	
			For Schedule 80 Nipples, Add	6.74	
			For 225 LB Rating, Add	11.80	
			For 300 LB Rating, Add	33.80	
			For Standard Weight Cast Iron Fittings, Add	0.22	
			For Work In Restricted Working Space, Add	7.24	
23 21	13 23-0241	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	44.92	19.38
			For Schedule 80 Nipples, Add	18.13	
			For 300 LB Rating, Add	55.80	
			For ASTM 120, Deduct	-2.39	
			For Work In Restricted Working Space, Add	8.71	
			For Schedule 80 Nipples, Add	7.95	
			For 225 LB Rating, Add	13.91	
			For 300 LB Rating, Add	39.90	
			For Standard Weight Cast Iron Fittings, Add	0.25	
			For Work In Restricted Working Space, Add	8.71	
23 21	13 23-0242	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	13.82	7.11
			For Schedule 80 Nipples, Add	3.57	
			For 300 LB Rating, Add	11.28	
			For ASTM 120, Deduct	-0.47	
			For Work In Restricted Working Space, Add	3.21	
			For Schedule 80 Nipples, Add	1.57	
			For 225 LB Rating, Add	2.74	
			For 300 LB Rating, Add	8.15	
			For Standard Weight Cast Iron Fittings, Add	0.05	
			For Work In Restricted Working Space, Add	3.21	
23 21	13 23-0243	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	12.65	7.11
			For Schedule 80 Nipples, Add	2.23	
			For 300 LB Rating, Add	7.31	
			For ASTM 120, Deduct	-0.29	
			For Work In Restricted Working Space, Add	3.21	
			For Schedule 80 Nipples, Add	0.98	
			For 225 LB Rating, Add	1.72	
			For 300 LB Rating, Add	5.35	
			For Standard Weight Cast Iron Fittings, Add	0.03	
			For Work In Restricted Working Space, Add	3.21	
23 21	13 23-0244	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	13.01	7.11
			For Schedule 80 Nipples, Add	2.64	
			For 300 LB Rating, Add	8.53	
			For ASTM 120, Deduct	-0.35	
			For Work In Restricted Working Space, Add	3.21	
			For Schedule 80 Nipples, Add	1.16	
			For 225 LB Rating, Add	2.03	
			For 300 LB Rating, Add	6.21	
			For Standard Weight Cast Iron Fittings, Add	0.04	
			For Work In Restricted Working Space, Add	3.21	
23 21	13 23-0245	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	14.63	7.71
			For Schedule 80 Nipples, Add	3.56	
			For 300 LB Rating, Add	11.30	
			For ASTM 120, Deduct	-0.47	
			For Work In Restricted Working Space, Add	3.45	
			For Schedule 80 Nipples, Add	1.56	
			For 225 LB Rating, Add	2.73	
			For 300 LB Rating, Add	8.18	
			For Standard Weight Cast Iron Fittings, Add	0.05	
			For Work In Restricted Working Space, Add	3.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0246 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	16.49	8.31
For Schedule 80 Nipples, Add	4.58	
For 300 LB Rating, Add	14.42	
For ASTM 120, Deduct	-0.60	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	2.01	
For 225 LB Rating, Add	3.52	
For 300 LB Rating, Add	10.40	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0247 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	16.97	8.31
For Schedule 80 Nipples, Add	5.13	
For 300 LB Rating, Add	16.05	
For ASTM 120, Deduct	-0.68	
For Work In Restricted Working Space, Add	3.74	
For Schedule 80 Nipples, Add	2.25	
For 225 LB Rating, Add	3.94	
For 300 LB Rating, Add	11.55	
For Standard Weight Cast Iron Fittings, Add	0.07	
For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0248 EA 2" x 10" Long, Schedule 40 Black Steel Nipple	22.53	10.70
For Schedule 80 Nipples, Add	7.33	
For 300 LB Rating, Add	22.83	
For ASTM 120, Deduct	-0.96	
For Work In Restricted Working Space, Add	4.83	
For Schedule 80 Nipples, Add	3.22	
For 225 LB Rating, Add	5.63	
For 300 LB Rating, Add	16.40	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	4.83	
23 21 13 23-0249 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	30.71	13.32
For Schedule 80 Nipples, Add	12.27	
For 300 LB Rating, Add	37.78	
For ASTM 120, Deduct	-1.61	
For Work In Restricted Working Space, Add	5.99	
For Schedule 80 Nipples, Add	5.38	
For 225 LB Rating, Add	9.42	
For 300 LB Rating, Add	27.02	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	5.99	
23 21 13 23-0250 EA 3" x 10" Long, Schedule 40 Black Steel Nipple	39.28	16.09
For Schedule 80 Nipples, Add	17.26	
For 300 LB Rating, Add	52.92	
For ASTM 120, Deduct	-2.27	
For Work In Restricted Working Space, Add	7.24	
For Schedule 80 Nipples, Add	7.57	
For 225 LB Rating, Add	13.25	
For 300 LB Rating, Add	37.78	
For Standard Weight Cast Iron Fittings, Add	0.24	
For Work In Restricted Working Space, Add	7.24	
23 21 13 23-0251 EA 4" x 10" Long, Schedule 40 Black Steel Nipple	47.13	19.38
For Schedule 80 Nipples, Add	20.65	
For 300 LB Rating, Add	63.32	
For ASTM 120, Deduct	-2.72	
For Work In Restricted Working Space, Add	8.71	
For Schedule 80 Nipples, Add	9.06	
For 225 LB Rating, Add	15.85	
For 300 LB Rating, Add	45.21	
For Standard Weight Cast Iron Fittings, Add	0.29	
For Work In Restricted Working Space, Add	8.71	
23 21 13 23-0252 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple	14.25	7.11
For Schedule 80 Nipples, Add	4.06	
For 300 LB Rating, Add	12.75	
For ASTM 120, Deduct	-0.53	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	1.78	
For 225 LB Rating, Add	3.12	
For 300 LB Rating, Add	9.19	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-0253 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple	13.02	7.11
For Schedule 80 Nipples, Add	2.66	
For 300 LB Rating, Add	8.56	
For ASTM 120, Deduct	-0.35	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Nipples, Add	1.17	
For 225 LB Rating, Add	2.04	
For 300 LB Rating, Add	6.23	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	3.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0254	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	13.27	7.11
			<i>For Schedule 80 Nipples, Add</i>	2.94	
			<i>For 300 LB Rating, Add</i>	9.41	
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
			<i>For Schedule 80 Nipples, Add</i>	1.29	
			<i>For 225 LB Rating, Add</i>	2.26	
			<i>For 300 LB Rating, Add</i>	6.83	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
23 21	13 23-0255	EA	1" x 12" Long, Schedule 40 Black Steel Nipple.....	15.09	7.71
			<i>For Schedule 80 Nipples, Add</i>	4.08	
			<i>For 300 LB Rating, Add</i>	12.86	
			<i>For ASTM 120, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
			<i>For Schedule 80 Nipples, Add</i>	1.79	
			<i>For 225 LB Rating, Add</i>	3.13	
			<i>For 300 LB Rating, Add</i>	9.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
23 21	13 23-0256	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple.....	17.03	8.31
			<i>For Schedule 80 Nipples, Add</i>	5.20	
			<i>For 300 LB Rating, Add</i>	16.25	
			<i>For ASTM 120, Deduct</i>	-0.68	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	2.28	
			<i>For 225 LB Rating, Add</i>	3.99	
			<i>For 300 LB Rating, Add</i>	11.69	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0257	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	17.65	8.31
			<i>For Schedule 80 Nipples, Add</i>	5.91	
			<i>For 300 LB Rating, Add</i>	18.36	
			<i>For ASTM 120, Deduct</i>	-0.78	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Schedule 80 Nipples, Add</i>	2.59	
			<i>For 225 LB Rating, Add</i>	4.53	
			<i>For 300 LB Rating, Add</i>	13.18	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0258	EA	2" x 12" Long, Schedule 40 Black Steel Nipple.....	23.50	10.70
			<i>For Schedule 80 Nipples, Add</i>	8.44	
			<i>For 300 LB Rating, Add</i>	26.13	
			<i>For ASTM 120, Deduct</i>	-1.11	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Schedule 80 Nipples, Add</i>	3.70	
			<i>For 225 LB Rating, Add</i>	6.48	
			<i>For 300 LB Rating, Add</i>	18.73	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
23 21	13 23-0259	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	31.93	13.32
			<i>For Schedule 80 Nipples, Add</i>	13.66	
			<i>For 300 LB Rating, Add</i>	41.93	
			<i>For ASTM 120, Deduct</i>	-1.80	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Schedule 80 Nipples, Add</i>	5.99	
			<i>For 225 LB Rating, Add</i>	10.48	
			<i>For 300 LB Rating, Add</i>	29.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21	13 23-0260	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	40.94	16.09
			<i>For Schedule 80 Nipples, Add</i>	19.15	
			<i>For 300 LB Rating, Add</i>	58.57	
			<i>For ASTM 120, Deduct</i>	-2.52	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
			<i>For Schedule 80 Nipples, Add</i>	8.40	
			<i>For 225 LB Rating, Add</i>	14.70	
			<i>For 300 LB Rating, Add</i>	41.77	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 21	13 23-0261	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	50.25	19.38
			<i>For Schedule 80 Nipples, Add</i>	24.20	
			<i>For 300 LB Rating, Add</i>	73.92	
			<i>For ASTM 120, Deduct</i>	-3.18	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
			<i>For Schedule 80 Nipples, Add</i>	10.62	
			<i>For 225 LB Rating, Add</i>	18.58	
			<i>For 300 LB Rating, Add</i>	52.69	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
23 21	13 23-0262		Black Cast Iron Square Head Plugs (23 21 13 23-0014)		
23 21	13 23-0263	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug.....	9.78	5.77
			<i>For Work In Restricted Working Space, Add</i>	2.60	
23 21	13 23-0264	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug.....	10.80	5.32
			<i>For Work In Restricted Working Space, Add</i>	2.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0265 EA 1", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	15.17 3.59	8.01
23 21 13 23-0266 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	15.60 3.62	8.08
23 21 13 23-0267 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	17.02 3.62	8.08
23 21 13 23-0268 EA 2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	22.52 4.83	10.70
23 21 13 23-0269 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	29.27 5.99	13.32
23 21 13 23-0270 EA 3", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	39.09 7.24	16.09
23 21 13 23-0271 EA 4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	46.57 8.71	19.38
23 21 13 23-0272 EA 5", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	66.97 10.88	24.23
23 21 13 23-0273 EA 6", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	83.39 12.97	28.80
 23 21 13 23-0274 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)		
23 21 13 23-0275 EA 1", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	67.90 15.22	33.82
23 21 13 23-0276 EA 1-1/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	72.07 15.75	35.02
23 21 13 23-0277 EA 1-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	76.39 17.14	38.10
23 21 13 23-0278 EA 2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	80.08 17.89	39.74
23 21 13 23-0279 EA 2-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	91.61 20.69	46.02
23 21 13 23-0280 EA 3", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	118.27 26.26	58.37
23 21 13 23-0281 EA 4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	157.57 34.83	77.42
23 21 13 23-0282 EA 5", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	193.61 41.46	92.22
23 21 13 23-0283 EA 6", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	224.76 47.61	105.86
 23 21 13 23-0284 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)		
23 21 13 23-0285 EA 3/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	53.35 13.47	29.94
23 21 13 23-0286 EA 1", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	59.81 15.22	33.82
23 21 13 23-0287 EA 1-1/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	62.22 15.75	35.02
23 21 13 23-0288 EA 1-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	67.72 17.14	38.10
23 21 13 23-0289 EA 2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	73.42 17.89	39.74
23 21 13 23-0290 EA 2-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	91.84 20.69	46.02
23 21 13 23-0291 EA 3", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	116.42 26.25	58.37
23 21 13 23-0292 EA 4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	165.19 34.82	77.42
 23 21 13 23-0293 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0294 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.38 7.31	
23 21 13 23-0295 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.83 8.05	
23 21 13 23-0296 EA 1", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.27 8.78	
23 21 13 23-0297 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.70 9.51	
23 21 13 23-0298 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.33 10.00	
23 21 13 23-0299 EA 2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.96 10.49	
23 21 13 23-0300 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.59 10.98	
23 21 13 23-0301 EA 3", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.21 11.46	
23 21 13 23-0302 EA 4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.83 11.95	
23 21 13 23-0303 EA 6", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	43.08 12.92	
23 21 13 23-0304 EA 8", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	46.33 13.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0305 EA 10", Cut And Thread Existing In Place Black Steel Pipe.....	50.40	
<i>For Work In Restricted Working Space, Add</i>	15.12	
23 21 13 23-0306 EA 12", Cut And Thread Existing In Place Black Steel Pipe.....	53.65	
<i>For Work In Restricted Working Space, Add</i>	16.10	
23 21 13 23-0307 Welded Black Steel Pipe <small>(23 21 13 23)</small>		
23 21 13 23-0308 Welded Plain End Black Steel Pipe Assemblies <small>(23 21 13 23-0307)</small>		
Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0309 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	16.30	5.68
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.16	
23 21 13 23-0310 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	18.30	6.06
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.65	
23 21 13 23-0311 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	21.28	6.45
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.34	
23 21 13 23-0312 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	22.31	6.45
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.59	
23 21 13 23-0313 LF 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	25.75	6.45
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.47	
23 21 13 23-0314 LF 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	31.44	6.45
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.50	
23 21 13 23-0315 LF 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	34.43	6.30
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.91	
23 21 13 23-0316 LF 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	44.21	8.02
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	9.95	
23 21 13 23-0317 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	56.88	11.95
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	11.46	
23 21 13 23-0318 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	85.06	14.85
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	17.00	
23 21 13 23-0319 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	108.22	18.57
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	20.27	
23 21 13 23-0320 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	132.00	22.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21 13 23-0321 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	147.18	29.26
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	26.14	
23 21 13 23-0322 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	163.56	37.12
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	29.21	
23 21 13 23-0323 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	208.68	45.97
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	32.05	
23 21 13 23-0324 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	239.04	56.80
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	36.68	
23 21 13 23-0325 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	277.22	64.38
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	40.33	
23 21 13 23-0326 Welded Black Steel Pipe And Fittings <small>(23 21 13 23-0307)</small>		
Note: ASTM A-53. Excludes hangers or fittings.		
23 21 13 23-0327 Welded Plain End Black Steel Piping <small>(23 21 13 23-0326)</small>		
Note: ASTM A-53		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0328 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.13 1.12 0.13 1.82	3.03
23 21 13 23-0329 LF 1" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.01 1.42 0.17 2.27	3.79
23 21 13 23-0330 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.20 1.79 0.25 2.73	4.55
23 21 13 23-0331 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.39 2.15 0.33 3.18	5.31
23 21 13 23-0332 LF 2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.91 2.55 0.40 3.77	6.30
23 21 13 23-0333 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.14 3.85 0.47 4.28	7.12
23 21 13 23-0334 LF 3" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.49 4.84 0.74 4.60	7.65
23 21 13 23-0335 LF 4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.84 6.78 1.19 5.69	9.48
23 21 13 23-0336 LF 6" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.07 9.91 1.99 7.05	15.35
23 21 13 23-0337 LF 8" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.91 14.33 3.00 -8.19 9.58	15.96
23 21 13 23-0338 LF 10" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	73.83 19.11 4.24 -10.92 11.54	19.23
23 21 13 23-0339 LF 12" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	93.24 24.50 5.61 -14.00 13.94	23.24
23 21 13 23-0340 LF 14" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	91.65 23.50 5.12 -13.43 -24.73 14.70	24.50
23 21 13 23-0341 LF 16" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	100.38 25.91 5.72 -14.80 -27.23 15.82	26.36
23 21 13 23-0342 LF 18" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	123.07 33.10 7.93 -18.91 -34.52 17.11	28.52
23 21 13 23-0343 LF 20" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.87 39.10 9.31 20.50	34.15
23 21 13 23-0344 LF 24" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.75 48.81 12.02 23.57	39.28
23 21 13 23-0345 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0326)		
23 21 13 23-0346 EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.33 18.49 21.17	47.07
23 21 13 23-0347 EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.02 19.21 22.27	49.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0348 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	100.41	56.43
For Schedule 80 Fittings, Add	21.24	
For Work In Restricted Working Space, Add	25.39	
23 21 13 23-0349 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	107.10	60.89
For Schedule 80 Fittings, Add	22.54	
For Work In Restricted Working Space, Add	27.40	
23 21 13 23-0350 EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	134.56	79.22
For Schedule 80 Fittings, Add	27.90	
For Work In Restricted Working Space, Add	35.63	
23 21 13 23-0351 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	169.52	99.05
For Schedule 80 Fittings, Add	35.27	
For Work In Restricted Working Space, Add	44.54	
23 21 13 23-0352 EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	178.77	102.51
For Schedule 80 Fittings, Add	37.50	
For Work In Restricted Working Space, Add	46.09	
23 21 13 23-0353 EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	307.12	177.10
For Schedule 80 Fittings, Add	64.25	
For Work In Restricted Working Space, Add	79.66	
23 21 13 23-0354 EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	540.48	292.27
For Schedule 80 Fittings, Add	116.13	
For Work In Restricted Working Space, Add	131.47	
23 21 13 23-0355 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	793.07	402.37
For Schedule 80 Fittings, Add	174.57	
For Work In Restricted Working Space, Add	180.99	
23 21 13 23-0356 EA 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,037.91	459.93
For Schedule 80 Fittings, Add	238.98	
For Work In Restricted Working Space, Add	206.85	
23 21 13 23-0357 EA 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,407.34	601.75
For Schedule 80 Fittings, Add	327.48	
For Work In Restricted Working Space, Add	270.64	
23 21 13 23-0358 EA 14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,750.18	711.27
For Schedule 80 Fittings, Add	413.08	
For Work In Restricted Working Space, Add	319.92	
23 21 13 23-0359 EA 16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,181.18	830.60
For Schedule 80 Fittings, Add	523.61	
For Work In Restricted Working Space, Add	373.56	
23 21 13 23-0360 EA 18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,593.13	926.16
For Schedule 80 Fittings, Add	632.15	
For Work In Restricted Working Space, Add	416.55	
23 21 13 23-0361 EA 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,327.46	1,038.43
For Schedule 80 Fittings, Add	834.76	
For Work In Restricted Working Space, Add	467.08	
23 21 13 23-0362 EA 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,922.74	1,073.11
For Schedule 80 Fittings, Add	1,007.90	
For Work In Restricted Working Space, Add	482.65	
23 21 13 23-0363 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0326)		
23 21 13 23-0364 EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	437.09	177.41
For Schedule 80 Fittings, Add	103.19	
For Work In Restricted Working Space, Add	79.81	
23 21 13 23-0365 EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	767.84	288.94
For Schedule 80 Fittings, Add	184.86	
For Work In Restricted Working Space, Add	129.97	
23 21 13 23-0366 EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	825.21	288.94
For Schedule 80 Fittings, Add	202.07	
For Work In Restricted Working Space, Add	129.97	
23 21 13 23-0367 EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,309.14	402.37
For Schedule 80 Fittings, Add	329.39	
For Work In Restricted Working Space, Add	180.99	
23 21 13 23-0368 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,445.92	402.37
For Schedule 80 Fittings, Add	370.43	
For Work In Restricted Working Space, Add	180.99	
23 21 13 23-0369 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,817.71	459.93
For Schedule 80 Fittings, Add	472.92	
For Work In Restricted Working Space, Add	206.85	
23 21 13 23-0370 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,817.71	459.93
For Schedule 80 Fittings, Add	472.92	
For Work In Restricted Working Space, Add	206.85	
23 21 13 23-0371 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,014.00	613.19
For Schedule 80 Fittings, Add	807.67	
For Work In Restricted Working Space, Add	275.80	
23 21 13 23-0372 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,014.00	613.19
For Schedule 80 Fittings, Add	807.67	
For Work In Restricted Working Space, Add	275.80	
23 21 13 23-0373 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,386.08	613.19
For Schedule 80 Fittings, Add	919.30	
For Work In Restricted Working Space, Add	275.80	
23 21 13 23-0374 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0326)		
23 21 13 23-0375 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	76.97	42.99
For Schedule 80 Fittings, Add	16.32	
For Work In Restricted Working Space, Add	19.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0376 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.25 16.77 20.02	44.50
23 21 13 23-0377 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.11 18.69 22.97	51.11
23 21 13 23-0378 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.17 19.87 24.79	55.12
23 21 13 23-0379 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.43 24.60 32.07	71.27
23 21 13 23-0380 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.78 30.54 40.26	89.54
23 21 13 23-0381 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.96 35.46 46.08	102.43
23 21 13 23-0382 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.83 60.87 79.64	177.03
23 21 13 23-0383 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	512.39 107.75 131.32	291.97
23 21 13 23-0384 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	741.86 159.21 180.99	402.37
23 21 13 23-0385 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	943.89 210.77 206.85	459.93
23 21 13 23-0386 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,269.34 286.25 270.14	600.63
23 21 13 23-0387 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,567.07 358.00 320.34	712.24
23 21 13 23-0388 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,927.32 447.58 373.18	829.71
23 21 13 23-0389 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,266.47 534.31 416.08	925.04
23 21 13 23-0390 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,849.68 691.43 467.08	1,038.43
23 21 13 23-0391 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,298.32 820.57 482.65	1,073.11
23 21 13 23-0392 Welded Plain End Black Steel Tee (23 21 13 23-0326)		
23 21 13 23-0393 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.13 35.00 36.39	80.89
23 21 13 23-0394 EA 1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.09 34.99 36.38	80.89
23 21 13 23-0395 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.50 39.98 40.47	90.00
23 21 13 23-0396 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.22 43.24 45.49	101.14
23 21 13 23-0397 EA 2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.77 51.57 60.73	135.03
23 21 13 23-0398 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.56 59.38 68.24	151.71
23 21 13 23-0399 EA 3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.44 70.45 82.79	184.24
23 21 13 23-0400 EA 4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	476.19 100.96 119.71	266.19
23 21 13 23-0401 EA 6" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	799.71 170.69 197.78	439.73
23 21 13 23-0402 EA 8" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,179.34 257.27 275.80	613.19
23 21 13 23-0403 EA 10" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,508.53 339.94 321.77	715.36

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0404 EA 12" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,042.07 467.83 413.70	919.77
23 21 13 23-0405 EA 14" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,674.91 633.55 482.65	1,073.11
23 21 13 23-0406 EA 16" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,219.42 763.12 579.17	1,287.70
23 21 13 23-0407 EA 18" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,250.38 1,049.88 643.53	1,430.78
23 21 13 23-0408 EA 20" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,663.51 1,445.66 723.97	1,609.66
23 21 13 23-0409 EA 24" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,563.34 1,696.12 779.66	1,733.48
23 21 13 23-0410 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0326)		
23 21 13 23-0411 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.35 34.27 35.26	78.39
23 21 13 23-0412 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.09 34.99 36.38	80.89
23 21 13 23-0413 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.08 39.26 40.47	90.00
23 21 13 23-0414 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.80 42.52 45.49	101.14
23 21 13 23-0415 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.20 53.20 60.75	135.03
23 21 13 23-0416 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.66 59.41 68.27	151.79
23 21 13 23-0417 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.70 70.53 82.79	184.24
23 21 13 23-0418 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	476.55 101.07 119.71	266.19
23 21 13 23-0419 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	800.33 170.87 197.78	439.73
23 21 13 23-0420 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,180.52 257.63 275.80	613.19
23 21 13 23-0421 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,510.52 340.54 321.77	715.36
23 21 13 23-0422 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,045.08 468.73 413.70	919.77
23 21 13 23-0423 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,679.76 635.00 482.65	1,073.11
23 21 13 23-0424 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,225.29 764.88 579.17	1,287.70
23 21 13 23-0425 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,259.97 1,052.76 643.53	1,430.78
23 21 13 23-0426 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0326)		
23 21 13 23-0427 EA 3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	186.08 39.74 -10.53 45.95	102.13
23 21 13 23-0428 EA 4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	305.91 63.84 -12.76 79.81	177.41
23 21 13 23-0429 EA 4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	317.38 67.28 -16.43 79.81	177.41
23 21 13 23-0430 EA 6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	513.85 108.66 -25.80 129.97	288.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0431 EA 6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	572.57	288.94
For Schedule 80 Fittings, Add	126.28	
For Concentric Reducers, Deduct	-44.59	
For Work In Restricted Working Space, Add	129.97	
23 21 13 23-0432 EA 8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	779.77	439.73
For Schedule 80 Fittings, Add	164.71	
For Concentric Reducers, Deduct	-38.56	
For Work In Restricted Working Space, Add	197.78	
23 21 13 23-0433 EA 8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	867.30	439.73
For Schedule 80 Fittings, Add	190.97	
For Concentric Reducers, Deduct	-66.57	
For Work In Restricted Working Space, Add	197.78	
23 21 13 23-0434 EA 10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	900.30	505.70
For Schedule 80 Fittings, Add	190.48	
For Concentric Reducers, Deduct	-45.48	
For Work In Restricted Working Space, Add	227.45	
23 21 13 23-0435 EA 10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,010.37	505.70
For Schedule 80 Fittings, Add	223.50	
For Concentric Reducers, Deduct	-80.71	
For Work In Restricted Working Space, Add	227.45	
23 21 13 23-0436 EA 12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,141.20	612.00
For Schedule 80 Fittings, Add	246.01	
For Concentric Reducers, Deduct	-71.56	
For Work In Restricted Working Space, Add	275.27	
23 21 13 23-0437 EA 12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,268.66	612.00
For Schedule 80 Fittings, Add	284.25	
For Concentric Reducers, Deduct	-112.35	
For Work In Restricted Working Space, Add	275.27	
23 21 13 23-0438 EA 14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,465.22	715.36
For Schedule 80 Fittings, Add	326.95	
For Concentric Reducers, Deduct	-125.65	
For Work In Restricted Working Space, Add	321.77	
23 21 13 23-0439 EA 14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,536.32	715.36
For Schedule 80 Fittings, Add	348.28	
For Concentric Reducers, Deduct	-148.41	
For Work In Restricted Working Space, Add	321.77	
23 21 13 23-0440 EA 16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,739.72	804.83
For Schedule 80 Fittings, Add	395.22	
For Concentric Reducers, Deduct	-170.60	
For Work In Restricted Working Space, Add	361.98	
23 21 13 23-0441 EA 16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,922.61	804.83
For Schedule 80 Fittings, Add	450.09	
For Concentric Reducers, Deduct	-229.12	
For Work In Restricted Working Space, Add	361.98	
23 21 13 23-0442 EA 18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,245.80	919.77
For Schedule 80 Fittings, Add	528.95	
For Concentric Reducers, Deduct	-277.38	
For Work In Restricted Working Space, Add	413.70	
23 21 13 23-0443 Welded Plain End Black Steel Caps (23 21 13 23-0326)		
23 21 13 23-0444 EA 1" Standard Weight, Welded Plain End Black Steel Cap	45.93	25.32
For Schedule 80 Fittings, Add	9.04	
For Work In Restricted Working Space, Add	11.37	
23 21 13 23-0445 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap	50.22	27.83
For Schedule 80 Fittings, Add	9.85	
For Work In Restricted Working Space, Add	12.51	
23 21 13 23-0446 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap	52.24	28.81
For Schedule 80 Fittings, Add	10.27	
For Work In Restricted Working Space, Add	12.97	
23 21 13 23-0447 EA 2" Standard Weight, Welded Plain End Black Steel Cap	64.38	36.92
For Schedule 80 Fittings, Add	12.39	
For Work In Restricted Working Space, Add	16.61	
23 21 13 23-0448 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap	75.74	44.50
For Schedule 80 Fittings, Add	14.38	
For Work In Restricted Working Space, Add	20.02	
23 21 13 23-0449 EA 3" Standard Weight, Welded Plain End Black Steel Cap	90.00	51.33
For Schedule 80 Fittings, Add	17.38	
For Work In Restricted Working Space, Add	23.09	
23 21 13 23-0450 EA 4" Standard Weight, Welded Plain End Black Steel Cap	150.35	88.71
For Schedule 80 Fittings, Add	28.48	
For Work In Restricted Working Space, Add	39.90	
23 21 13 23-0451 EA 6" Standard Weight, Welded Plain End Black Steel Cap	252.68	146.55
For Schedule 80 Fittings, Add	48.33	
For Work In Restricted Working Space, Add	65.93	
23 21 13 23-0452 EA 8" Standard Weight, Welded Plain End Black Steel Cap	419.24	246.71
For Schedule 80 Fittings, Add	79.54	
For Work In Restricted Working Space, Add	110.95	
23 21 13 23-0453 EA 10" Standard Weight, Welded Plain End Black Steel Cap	475.48	259.36
For Schedule 80 Fittings, Add	94.04	
For Work In Restricted Working Space, Add	116.64	
23 21 13 23-0454 EA 12" Standard Weight, Welded Plain End Black Steel Cap	557.36	299.47
For Schedule 80 Fittings, Add	111.09	
For Work In Restricted Working Space, Add	134.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0455	EA	14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	740.01 154.97 160.88	357.68
23 21	13 23-0456	EA	16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	859.41 179.98 186.83	415.38
23 21	13 23-0457	EA	18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	961.67 202.31 206.85	459.93
23 21 13 23-0458 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0326)					
Note: 150 LB.					
23 21	13 23-0459	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.12 39.75 25.18	55.99
23 21	13 23-0460	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.93 41.93 31.42	69.87
23 21	13 23-0461	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.52 43.81 36.68	81.58
23 21	13 23-0462	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.68 56.39 48.40	107.59
23 21	13 23-0463	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.30 86.39 73.37	163.15
23 21	13 23-0464	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.79 133.02 78.27	174.05
23 21	13 23-0465	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	575.26 207.99 98.16	218.23
23 21	13 23-0466	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	732.94 292.16 111.38	247.63
23 21	13 23-0467	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	998.03 431.48 134.69	299.47
23 21	13 23-0468	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,379.60 655.26 156.53	348.03
23 21	13 23-0469	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,775.92 895.05 175.51	390.20
23 21	13 23-0470	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,250.87 1,133.80 222.76	495.27
23 21	13 23-0471	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,595.52 1,338.23 241.33	536.56
23 21 13 23-0472 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0326)					
23 21	13 23-0473	EA	2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.55 26.57 20.05	55.99
23 21	13 23-0474	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.57 33.68 24.50	69.87
23 21	13 23-0475	EA	3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.38 39.89 29.57	81.58
23 21	13 23-0476	EA	4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.67 53.84 38.67	107.59
23 21	13 23-0477	EA	6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.46 81.93 56.86	163.15
23 21	13 23-0478	EA	8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.46 119.31 71.28	174.05
23 21	13 23-0479	EA	10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	478.01 194.09 89.10	218.23
23 21	13 23-0480	EA	12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	642.01 294.46 106.93	247.63
23 21	13 23-0481	EA	14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	833.06 419.19 124.74	299.47
23 21	13 23-0482	EA	16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,022.15 553.94 138.11	348.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0483 EA 18", 150 LB, Welded Black Steel Slip-On Flange	1,134.83	390.20
For 300 LB Rating, Add	619.93	
For Work In Restricted Working Space, Add	151.48	
23 21 13 23-0484 EA 20", 150 LB, Welded Black Steel Slip-On Flange	1,353.94	495.27
For 300 LB Rating, Add	781.71	
For Work In Restricted Working Space, Add	164.84	
23 21 13 23-0485 EA 24", 150 LB, Welded Black Steel Slip-On Flange	1,443.04	536.56
For 300 LB Rating, Add	791.06	
For Work In Restricted Working Space, Add	191.57	
23 21 13 23-0486 150 LB, Forged Steel Blind Flanges (23 21 13 23-0326)		
23 21 13 23-0487 EA 2", 150 LB, Forged Steel Blind Flange.....	65.60	20.34
For 300 LB Rating, Add	24.22	
For 600 LB Rating, Add	65.96	
For Work In Restricted Working Space, Add	12.20	
23 21 13 23-0488 EA 2-1/2", 150 LB, Forged Steel Blind Flange.....	89.24	24.39
For 300 LB Rating, Add	37.48	
For 600 LB Rating, Add	104.38	
For Work In Restricted Working Space, Add	14.64	
23 21 13 23-0489 EA 3", 150 LB, Forged Steel Blind Flange.....	106.89	32.53
For 300 LB Rating, Add	40.30	
For 600 LB Rating, Add	110.15	
For Work In Restricted Working Space, Add	19.52	
23 21 13 23-0490 EA 4", 150 LB, Forged Steel Blind Flange.....	138.98	40.66
For 300 LB Rating, Add	54.66	
For 600 LB Rating, Add	150.56	
For Work In Restricted Working Space, Add	24.40	
23 21 13 23-0491 EA 6", 150 LB, Forged Steel Blind Flange.....	193.08	52.87
For 300 LB Rating, Add	80.99	
For 600 LB Rating, Add	225.52	
For Work In Restricted Working Space, Add	31.72	
23 21 13 23-0492 EA 8", 150 LB, Forged Steel Blind Flange.....	260.57	61.00
For 300 LB Rating, Add	123.67	
For 600 LB Rating, Add	350.89	
For Work In Restricted Working Space, Add	36.60	
23 21 13 23-0493 EA 10", 150 LB, Forged Steel Blind Flange.....	417.02	73.19
For 300 LB Rating, Add	231.87	
For 600 LB Rating, Add	671.45	
For Work In Restricted Working Space, Add	43.92	
23 21 13 23-0494 EA 12", 150 LB, Forged Steel Blind Flange.....	553.82	85.39
For 300 LB Rating, Add	324.36	
For 600 LB Rating, Add	944.89	
For Work In Restricted Working Space, Add	51.24	
23 21 13 23-0495 EA 14", 150 LB, Forged Steel Blind Flange.....	983.82	97.60
For 300 LB Rating, Add	651.41	
For Work In Restricted Working Space, Add	58.55	
23 21 13 23-0496 EA 16", 150 LB, Forged Steel Blind Flange.....	1,050.87	109.79
For 300 LB Rating, Add	688.08	
For Work In Restricted Working Space, Add	65.88	
23 21 13 23-0497 EA 18", 150 LB, Forged Steel Blind Flange.....	1,171.27	134.19
For 300 LB Rating, Add	750.48	
For Work In Restricted Working Space, Add	80.52	
23 21 13 23-0498 EA 20", 150 LB, Forged Steel Blind Flange.....	1,528.97	146.39
For 300 LB Rating, Add	1,019.69	
For Work In Restricted Working Space, Add	87.83	
23 21 13 23-0499 EA 24", 150 LB, Forged Steel Blind Flange.....	2,111.40	170.79
For 300 LB Rating, Add	1,451.72	
For Work In Restricted Working Space, Add	102.47	
23 21 13 23-0500 3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0326)		
23 21 13 23-0501 EA 1/2", 3,000 LB, Forge Steel Thread-O-Let	61.46	
For Weld-O-Lets, Add	5.46	
For Sock-O-Lets, Add	23.90	
For Work In Restricted Working Space, Add	15.16	
23 21 13 23-0502 EA 3/4", 3,000 LB, Forge Steel Thread-O-Let	73.49	
For Weld-O-Lets, Add	6.42	
For Sock-O-Lets, Add	28.57	
For Work In Restricted Working Space, Add	18.20	
23 21 13 23-0503 EA 1", 3,000 LB, Forge Steel Thread-O-Let	83.30	
For Weld-O-Lets, Add	7.19	
For Sock-O-Lets, Add	32.37	
For Work In Restricted Working Space, Add	20.68	
23 21 13 23-0504 EA 1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	96.21	
For Weld-O-Lets, Add	10.20	
For Sock-O-Lets, Add	37.58	
For Work In Restricted Working Space, Add	22.75	
23 21 13 23-0505 EA 2", 3,000 LB, Forge Steel Thread-O-Let	109.74	
For Weld-O-Lets, Add	12.75	
For Sock-O-Lets, Add	42.98	
For Work In Restricted Working Space, Add	25.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0506	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let	200.85	
			<i>For Weld-O-Lets, Add</i>	46.27	
			<i>For Sock-O-Lets, Add</i>	80.95	
			<i>For Work In Restricted Working Space, Add</i>	32.49	
23 21	13 23-0507	EA	3", 3,000 LB, Forge Steel Thread-O-Let	244.72	
			<i>For Weld-O-Lets, Add</i>	46.55	
			<i>For Sock-O-Lets, Add</i>	97.65	
			<i>For Work In Restricted Working Space, Add</i>	45.49	
23 21	13 23-0508	EA	4", 3,000 LB, Forge Steel Thread-O-Let	371.76	
			<i>For Weld-O-Lets, Add</i>	91.11	
			<i>For Sock-O-Lets, Add</i>	150.38	
			<i>For Work In Restricted Working Space, Add</i>	56.86	
23 21	13 23-0509		Bolt, Nut, And 150 LB Rubber Flange Gasket Set <small>(23 21 13 23-0326)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0510	EA	3/4" To 1-1/2" Bolt, Nut And 150 LB Rubber Flange Gasket Set	8.92	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.29	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	11.64	
23 21	13 23-0511	EA	2" Bolt, Nut And 150 LB Rubber Flange Gasket Set	15.88	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.52	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	20.72	
23 21	13 23-0512	EA	2-1/2" Bolt, Nut And 150 LB Rubber Flange Gasket Set	17.02	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.55	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	22.21	
23 21	13 23-0513	EA	3" Bolt, Nut And 150 LB Rubber Flange Gasket Set	17.92	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.58	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	23.39	
23 21	13 23-0514	EA	4" Bolt, Nut And 150 LB Rubber Flange Gasket Set	31.17	
			<i>For 300 LB Rating Gasket Set, Add</i>	1.01	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	40.68	
23 21	13 23-0515	EA	5" - 6" Bolt, Nut And 150 LB Rubber Flange Gasket Set	48.88	
			<i>For 300 LB Rating Gasket Set, Add</i>	1.59	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	63.79	
23 21	13 23-0516	EA	8" Bolt, Nut And 150 LB Rubber Flange Gasket Set	52.58	
			<i>For 300 LB Rating Gasket Set, Add</i>	1.71	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	68.62	
23 21	13 23-0517	EA	10" Bolt, Nut And 150 LB Rubber Flange Gasket Set	107.20	
			<i>For 300 LB Rating Gasket Set, Add</i>	3.48	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	139.90	
23 21	13 23-0518	EA	12" Bolt, Nut And 150 LB Rubber Flange Gasket Set	116.02	
			<i>For 300 LB Rating Gasket Set, Add</i>	3.77	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	151.41	
23 21	13 23-0519	EA	14" Bolt, Nut And 150 LB Rubber Flange Gasket Set	164.55	
			<i>For 300 LB Rating Gasket Set, Add</i>	5.35	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	214.74	
23 21	13 23-0520	EA	16" Bolt, Nut And 150 LB Rubber Flange Gasket Set	214.64	
			<i>For 300 LB Rating Gasket Set, Add</i>	6.98	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	280.11	
23 21	13 23-0521	EA	18" Bolt, Nut And 150 LB Rubber Flange Gasket Set	310.43	
			<i>For 300 LB Rating Gasket Set, Add</i>	10.09	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	405.11	
23 21	13 23-0522	EA	20" Bolt, Nut And 150 LB Rubber Flange Gasket Set	428.94	
			<i>For 300 LB Rating Gasket Set, Add</i>	13.94	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	559.77	
23 21	13 23-0523	EA	24" Bolt, Nut And 150 LB Rubber Flange Gasket Set	536.18	
			<i>For 300 LB Rating Gasket Set, Add</i>	17.43	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	699.71	
23 21	13 23-0524	EA	26" Bolt, Nut And 150 LB Rubber Flange Gasket Set	702.22	
			<i>For 300 LB Rating Gasket Set, Add</i>	22.82	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	916.40	
23 21	13 23-0525	EA	30" Bolt, Nut And 150 LB Rubber Flange Gasket Set	895.93	
			<i>For 300 LB Rating Gasket Set, Add</i>	29.12	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	1,169.19	
23 21	13 23-0526	EA	36" Bolt, Nut And 150 LB Rubber Flange Gasket Set	1,072.35	
			<i>For 300 LB Rating Gasket Set, Add</i>	34.85	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	1,399.42	
23 21	13 23-0527		150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0326)</small>		
			Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21	13 23-0528	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	22.53	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.02	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	0.54	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
23 21	13 23-0529	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	24.06	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.04	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	0.77	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	7.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0530 EA 1", 150 LB, Rubber Flange Gasket Replacement.....	26.37	
<i>For 300 LB Rating Gasket Set, Add</i>	0.06	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	1.31	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	7.86	
23 21 13 23-0531 EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement.....	28.64	
<i>For 300 LB Rating Gasket Set, Add</i>	0.07	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	1.47	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	8.54	
23 21 13 23-0532 EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement.....	31.68	
<i>For 300 LB Rating Gasket Set, Add</i>	0.08	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	1.86	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	9.43	
23 21 13 23-0533 EA 2", 150 LB, Rubber Flange Gasket Replacement.....	34.79	
<i>For 300 LB Rating Gasket Set, Add</i>	0.12	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	2.63	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	3.03	
<i>For Work In Restricted Working Space, Add</i>	10.34	
23 21 13 23-0534 EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement.....	40.89	
<i>For 300 LB Rating Gasket Set, Add</i>	0.16	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	3.56	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	4.09	
<i>For Work In Restricted Working Space, Add</i>	12.13	
23 21 13 23-0535 EA 3", 150 LB, Rubber Flange Gasket Replacement.....	43.21	
<i>For 300 LB Rating Gasket Set, Add</i>	0.19	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	4.10	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	4.72	
<i>For Work In Restricted Working Space, Add</i>	12.80	
23 21 13 23-0536 EA 4", 150 LB, Rubber Flange Gasket Replacement.....	57.03	
<i>For 300 LB Rating Gasket Set, Add</i>	0.30	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	6.73	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	7.74	
<i>For Work In Restricted Working Space, Add</i>	16.85	
23 21 13 23-0537 EA 5", 150 LB, Rubber Flange Gasket Replacement.....	66.12	
<i>For 300 LB Rating Gasket Set, Add</i>	0.34	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	7.50	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	8.63	
<i>For Work In Restricted Working Space, Add</i>	19.55	
23 21 13 23-0538 EA 6", 150 LB, Rubber Flange Gasket Replacement.....	75.38	
<i>For 300 LB Rating Gasket Set, Add</i>	0.44	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	9.74	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	11.21	
<i>For Work In Restricted Working Space, Add</i>	22.24	
23 21 13 23-0539 EA 8", 150 LB, Rubber Flange Gasket Replacement.....	91.70	
<i>For 300 LB Rating Gasket Set, Add</i>	0.64	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	14.22	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	16.38	
<i>For Work In Restricted Working Space, Add</i>	26.96	
23 21 13 23-0540 EA 10", 150 LB, Rubber Flange Gasket Replacement.....	98.45	
<i>For 300 LB Rating Gasket Set, Add</i>	0.91	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	20.18	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	23.23	
<i>For Work In Restricted Working Space, Add</i>	28.75	
23 21 13 23-0541 EA 12", 150 LB, Rubber Flange Gasket Replacement.....	111.91	
<i>For 300 LB Rating Gasket Set, Add</i>	1.17	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	25.82	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	29.73	
<i>For Work In Restricted Working Space, Add</i>	32.57	
23 21 13 23-0542 EA 14", 150 LB, Rubber Flange Gasket Replacement.....	116.31	
<i>For 300 LB Rating Gasket Set, Add</i>	1.40	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	30.84	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	35.51	
<i>For Work In Restricted Working Space, Add</i>	33.70	
23 21 13 23-0543 EA 16", 150 LB, Rubber Flange Gasket Replacement.....	154.20	
<i>For 300 LB Rating Gasket Set, Add</i>	1.56	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	34.40	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	39.61	
<i>For Work In Restricted Working Space, Add</i>	44.93	
23 21 13 23-0544 EA 18", 150 LB, Rubber Flange Gasket Replacement.....	168.61	
<i>For 300 LB Rating Gasket Set, Add</i>	1.62	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	35.87	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	41.30	
<i>For Work In Restricted Working Space, Add</i>	49.19	
23 21 13 23-0545 EA 20", 150 LB, Rubber Flange Gasket Replacement.....	204.88	
<i>For 300 LB Rating Gasket Set, Add</i>	1.74	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	38.50	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	44.32	
<i>For Work In Restricted Working Space, Add</i>	59.97	
23 21 13 23-0546 Cut And Prepare For Welding Existing In-Place Black Steel Pipe <small>(2321 13 23-0326)</small>		
<i>Note: For use when connecting pipe to an existing in-place system.</i>		
23 21 13 23-0547 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	16.26	
<i>For Work In Restricted Working Space, Add</i>	4.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0548	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	17.56 5.27	
23 21	13 23-0549	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	19.75 5.93	
23 21	13 23-0550	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	20.73 6.22	
23 21	13 23-0551	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	21.95 6.59	
23 21	13 23-0552	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	23.57 7.07	
23 21	13 23-0553	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	25.20 7.56	
23 21	13 23-0554	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	27.64 8.29	
23 21	13 23-0555	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	30.08 9.02	
23 21	13 23-0556	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	32.52 9.76	
23 21	13 23-0557	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	34.96 10.49	
23 21	13 23-0558	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	38.21 11.46	
23 21	13 23-0559	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	41.46 12.44	
23 21	13 23-0560	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	44.71 13.41	
23 21	13 23-0561	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.96 14.39	
23 21	13 23-0562	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	50.40 15.12	
23 21	13 23-0563	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	52.85 15.86	
23 21	13 23-0564	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	56.10 16.83	
23 21	13 23-0565		Welded Plain End Electric Resistance Black Steel Pipe <small>(23 21 13 23-0326)</small> Note: ASTM A-135.		
23 21	13 23-0566	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	15.90 4.09	8.34
23 21	13 23-0567	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	17.12 4.09	9.10
23 21	13 23-0568	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	17.66 4.01	8.95
23 21	13 23-0569	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	22.21 5.11	11.37
23 21	13 23-0570	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	35.25 7.57	16.83
23 21	13 23-0571	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	44.59 9.13	20.27
23 21	13 23-0572	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	58.89 11.36	25.24
23 21	13 23-0573	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	71.34 13.69	30.44
23 21	13 23-0574	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	91.50 17.77	39.50
23 21	13 23-0575		Flanged Steel Fittings <small>(23 21 13 23)</small>		
23 21	13 23-0576		Flanged Steel Fittings, Standard Weight <small>(23 21 13 23-0575)</small>		
23 21	13 23-0577		Flanged Steel, 90 Degree Elbows <small>(23 21 13 23-0576)</small>		
23 21	13 23-0578	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	499.21 357.46 536.18	34.95
23 21	13 23-0579	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	556.83 398.77 598.15	38.91
23 21	13 23-0580	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	549.34 387.99 581.99	42.96
23 21	13 23-0581	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	701.29 501.16 751.74	49.92
23 21	13 23-0582	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	993.18 727.49 1,091.23	55.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0583 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow	1,044.81	64.88
<i>For Galvanized Fittings, Add</i>	758.02	
<i>For Extra Heavy Weight Fittings, Add</i>	1,137.04	
23 21 13 23-0584 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,335.27	71.84
<i>For Galvanized Fittings, Add</i>	982.00	
<i>For Extra Heavy Weight Fittings, Add</i>	1,473.00	
23 21 13 23-0585 Flanged Steel, Reducing 90 Degree Elbows <small>(23 21 13 23-0576)</small>		
23 21 13 23-0586 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	958.00	36.97
<i>For Galvanized Fittings, Add</i>	722.10	
<i>For Extra Heavy Weight Fittings, Add</i>	1,083.14	
23 21 13 23-0587 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	995.42	40.94
<i>For Galvanized Fittings, Add</i>	747.25	
<i>For Extra Heavy Weight Fittings, Add</i>	1,120.87	
23 21 13 23-0588 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,243.89	46.40
<i>For Galvanized Fittings, Add</i>	939.44	
<i>For Extra Heavy Weight Fittings, Add</i>	1,409.16	
23 21 13 23-0589 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,547.01	49.40
<i>For Galvanized Fittings, Add</i>	1,178.34	
<i>For Extra Heavy Weight Fittings, Add</i>	1,767.52	
23 21 13 23-0590 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,761.07	57.39
<i>For Galvanized Fittings, Add</i>	1,340.01	
<i>For Extra Heavy Weight Fittings, Add</i>	2,010.01	
23 21 13 23-0591 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	2,466.86	68.40
<i>For Galvanized Fittings, Add</i>	1,891.46	
<i>For Extra Heavy Weight Fittings, Add</i>	2,837.20	
23 21 13 23-0592 Flanged Steel, 45 Degree Elbows <small>(23 21 13 23-0576)</small>		
23 21 13 23-0593 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow	660.87	34.95
<i>For Galvanized Fittings, Add</i>	486.78	
<i>For Extra Heavy Weight Fittings, Add</i>	730.18	
23 21 13 23-0594 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	687.06	38.91
<i>For Galvanized Fittings, Add</i>	502.95	
<i>For Extra Heavy Weight Fittings, Add</i>	754.43	
23 21 13 23-0595 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow	711.00	42.96
<i>For Galvanized Fittings, Add</i>	517.32	
<i>For Extra Heavy Weight Fittings, Add</i>	775.98	
23 21 13 23-0596 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow	889.89	49.92
<i>For Galvanized Fittings, Add</i>	652.04	
<i>For Extra Heavy Weight Fittings, Add</i>	978.06	
23 21 13 23-0597 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,298.54	55.90
<i>For Galvanized Fittings, Add</i>	971.78	
<i>For Extra Heavy Weight Fittings, Add</i>	1,457.66	
23 21 13 23-0598 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,255.87	64.88
<i>For Galvanized Fittings, Add</i>	926.87	
<i>For Extra Heavy Weight Fittings, Add</i>	1,390.31	
23 21 13 23-0599 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,485.58	71.84
<i>For Galvanized Fittings, Add</i>	1,102.25	
<i>For Extra Heavy Weight Fittings, Add</i>	1,653.37	
23 21 13 23-0600 Flanged Steel, Tees <small>(23 21 13 23-0576)</small>		
23 21 13 23-0601 EA 2" Standard Weight, Flanged Steel, Tee	633.18	52.39
<i>For Galvanized Fittings, Add</i>	443.68	
<i>For Extra Heavy Weight Fittings, Add</i>	665.52	
23 21 13 23-0602 EA 2-1/2" Standard Weight, Flanged Steel, Tee	826.26	58.37
<i>For Galvanized Fittings, Add</i>	590.97	
<i>For Extra Heavy Weight Fittings, Add</i>	886.45	
23 21 13 23-0603 EA 3" Standard Weight, Flanged Steel, Tee	743.21	64.35
<i>For Galvanized Fittings, Add</i>	517.34	
<i>For Extra Heavy Weight Fittings, Add</i>	776.00	
23 21 13 23-0604 EA 4" Standard Weight, Flanged Steel, Tee	1,077.72	74.91
<i>For Galvanized Fittings, Add</i>	772.38	
<i>For Extra Heavy Weight Fittings, Add</i>	1,158.56	
23 21 13 23-0605 EA 5" Standard Weight, Flanged Steel, Tee	1,626.44	83.90
<i>For Galvanized Fittings, Add</i>	1,200.57	
<i>For Extra Heavy Weight Fittings, Add</i>	1,800.85	
23 21 13 23-0606 EA 6" Standard Weight, Flanged Steel, Tee	1,989.63	97.36
<i>For Galvanized Fittings, Add</i>	1,474.97	
<i>For Extra Heavy Weight Fittings, Add</i>	2,212.45	
23 21 13 23-0607 EA 8" Standard Weight, Flanged Steel, Tee	2,198.26	112.77
<i>For Galvanized Fittings, Add</i>	1,623.30	
<i>For Extra Heavy Weight Fittings, Add</i>	2,434.96	
23 21 13 23-0608 Flanged Steel, Reducing Tees <small>(23 21 13 23-0576)</small>		
23 21 13 23-0609 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee	1,025.35	56.43
<i>For Galvanized Fittings, Add</i>	752.63	
<i>For Extra Heavy Weight Fittings, Add</i>	1,128.95	
23 21 13 23-0610 EA 3" Standard Weight, Flanged Steel, Reducing Tee	1,187.02	62.41
<i>For Galvanized Fittings, Add</i>	874.78	
<i>For Extra Heavy Weight Fittings, Add</i>	1,312.16	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0611 EA 4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,076.02 1,575.21 2,362.81	71.40
23 21 13 23-0612 EA 5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,240.56 1,695.46 2,543.18	80.89
23 21 13 23-0613 EA 6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,824.67 2,148.38 3,222.56	92.87
23 21 13 23-0614 EA 8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,537.86 2,705.17 4,057.75	104.32
23 21 13 23-0615 Flanged Steel, Concentric Reducers (23 21 13 23-0676)		
23 21 13 23-0616 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	981.95 736.47 1,104.71	40.94
23 21 13 23-0617 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,115.91 837.06 1,255.58	46.40
23 21 13 23-0618 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,671.26 1,273.55 1,910.33	52.91
23 21 13 23-0619 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,844.15 1,406.47 2,109.71	57.39
23 21 13 23-0620 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,159.25 1,645.38 2,468.06	68.40
23 21 13 23-0621 Flanged Steel, Eccentric Reducers (23 21 13 23-0676)		
23 21 13 23-0622 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,306.76 989.74 1,484.60	46.40
23 21 13 23-0623 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,792.50 1,370.54 2,055.82	52.91
23 21 13 23-0624 Plain End Couplings And Fittings (23 21 13 23) Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0625 Plain End Piping System Couplings (23 21 13 23-0624)		
23 21 13 23-0626 Plainlock Plain End Piping System Couplings (23 21 13 23-0625) Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0627 EA 1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	129.34 24.52	4.49
23 21 13 23-0628 EA 1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	131.96 24.52	6.21
23 21 13 23-0629 EA 2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	134.99 24.52	8.23
23 21 13 23-0630 EA 2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	137.57 24.52	9.95
23 21 13 23-0631 EA 3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	162.66 28.94	11.98
23 21 13 23-0632 EA 4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	224.41 40.09	15.94
23 21 13 23-0633 EA 6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	377.43 67.70	25.97
23 21 13 23-0634 Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0625) Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0635 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	155.77 36.60	6.21
23 21 13 23-0636 EA 2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	158.80 36.60	8.23
23 21 13 23-0637 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	161.39 36.60	10.03
23 21 13 23-0638 EA 3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	234.83 54.22	11.98
23 21 13 23-0639 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	271.96 62.75	13.99
23 21 13 23-0640 EA 4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	274.92 62.75	15.94
23 21 13 23-0641 EA 5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	388.54 89.65	19.98
23 21 13 23-0642 EA 6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	476.87 109.49	25.97
23 21 13 23-0643 EA 8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	823.02 194.15	30.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0644 EA 10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,065.33 252.58	36.66
23 21 13 23-0645 EA 12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,332.84 316.93	43.40
23 21 13 23-0646 EA 14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,872.14 450.05	47.97
23 21 13 23-0647 EA 16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,546.55 616.30	54.25
23 21 13 23-0648 Plain End Piping System Fittings (23 21 13 23-0624) Note: Cast ductile iron bodies.		
23 21 13 23-0649 Plain End Piping System, 90 Degree Elbows (23 21 13 23-0648)		
23 21 13 23-0650 EA 1" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	127.97 23.15	8.16
23 21 13 23-0651 EA 1-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	134.26 23.15	12.35
23 21 13 23-0652 EA 2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	140.20 23.15	16.32
23 21 13 23-0653 EA 2-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	145.54 23.15	19.90
23 21 13 23-0654 EA 3" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	175.13 27.80	24.09
23 21 13 23-0655 EA 4" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	250.33 40.55	31.73
23 21 13 23-0656 EA 5" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	761.29 140.34	39.74
23 21 13 23-0657 EA 6" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	635.93 111.60	52.02
23 21 13 23-0658 EA 8" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,271.11 235.70	61.74
23 21 13 23-0659 EA 10" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,589.32 296.24	72.14
23 21 13 23-0660 EA 12" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,015.81 377.18	86.66
23 21 13 23-0661 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0648)		
23 21 13 23-0662 EA 1" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	127.97 23.15	8.16
23 21 13 23-0663 EA 1-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	134.26 23.15	12.35
23 21 13 23-0664 EA 2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	140.20 23.15	16.32
23 21 13 23-0665 EA 2-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	145.54 23.15	19.90
23 21 13 23-0666 EA 3" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	175.13 27.80	24.09
23 21 13 23-0667 EA 4" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	250.33 40.55	31.73
23 21 13 23-0668 EA 5" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	761.29 140.34	39.74
23 21 13 23-0669 EA 6" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	638.07 112.02	52.02
23 21 13 23-0670 EA 8" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	740.16 129.51	61.74
23 21 13 23-0671 EA 10" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,011.82 180.74	72.14
23 21 13 23-0672 EA 12" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,297.37 233.49	86.66
23 21 13 23-0673 Plain End Piping System, Tees (23 21 13 23-0648)		
23 21 13 23-0674 EA 1" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	174.37 31.17	12.35
23 21 13 23-0675 EA 1-1/2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	183.65 31.17	18.56
23 21 13 23-0676 EA 2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	191.83 31.17	24.02
23 21 13 23-0677 EA 2-1/2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	199.98 31.17	29.41
23 21 13 23-0678 EA 3" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	278.51 44.86	36.14
23 21 13 23-0679 EA 4" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	381.99 62.38	46.77
23 21 13 23-0680 EA 5" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	776.90 137.04	61.14
23 21 13 23-0681 EA 6" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	960.43 169.13	76.55
23 21 13 23-0682 EA 8" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	1,311.35 234.35	93.09
23 21 13 23-0683 EA 10" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	1,952.02 357.87	108.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0684	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,615.47 484.12	129.99
23 21	13 23-0685		Plain End Piping System, Reducing Tees <small>(23 21 13 23-0648)</small>		
23 21	13 23-0686	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	337.89 61.61	19.90
23 21	13 23-0687	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	344.04 61.61	24.02
23 21	13 23-0688	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	352.19 61.61	29.41
23 21	13 23-0689	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	362.29 61.61	36.14
23 21	13 23-0690	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	524.86 90.96	46.77
23 21	13 23-0691	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	887.07 154.46	76.55
23 21	13 23-0692	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,156.68 203.41	93.09
23 21	13 23-0693	EA	10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,730.64 313.59	108.51
23 21	13 23-0694	EA	12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,552.12 471.45	129.99
23 21	13 23-0695		Plain End Piping System, Wyes <small>(23 21 13 23-0648)</small>		
23 21	13 23-0696	EA	2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	492.49 91.30	24.02
23 21	13 23-0697	EA	2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	500.64 91.30	29.41
23 21	13 23-0698	EA	3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	567.37 102.63	36.14
23 21	13 23-0699	EA	4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	831.74 152.33	46.77
23 21	13 23-0700	EA	5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,018.56 185.37	61.14
23 21	13 23-0701	EA	6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,391.09 255.26	76.55
23 21	13 23-0702	EA	8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,792.53 330.58	93.09
23 21	13 23-0703	EA	10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,600.10 487.48	108.51
23 21	13 23-0704	EA	12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,952.39 751.50	129.99
23 21	13 23-0705		Plain End Piping System, Laterals <small>(23 21 13 23-0648)</small>		
23 21	13 23-0706	EA	2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	524.77 97.76	24.02
23 21	13 23-0707	EA	2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	532.92 97.76	29.41
23 21	13 23-0708	EA	3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	599.44 109.04	36.14
23 21	13 23-0709	EA	4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	892.98 164.58	46.77
23 21	13 23-0710	EA	5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,164.44 214.55	61.14
23 21	13 23-0711	EA	6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,484.94 274.03	76.55
23 21	13 23-0712	EA	8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,137.27 399.53	93.09
23 21	13 23-0713	EA	10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,982.60 563.98	108.51
23 21	13 23-0714	EA	12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	4,009.23 762.87	129.99
23 21	13 23-0715		Plain End Piping System, Crosses <small>(23 21 13 23-0648)</small>		
23 21	13 23-0716	EA	2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	584.65 66.34	36.00
23 21	13 23-0717	EA	2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	596.84 66.34	44.08
23 21	13 23-0718	EA	3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	696.93 76.95	54.25
23 21	13 23-0719	EA	4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	950.76 105.71	70.12
23 21	13 23-0720	EA	5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,338.68 150.14	91.75
23 21	13 23-0721	EA	6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,757.62 198.25	114.50
23 21	13 23-0722	EA	8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,242.53 254.33	138.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0723 EA 10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,211.66 371.09	162.09
23 21 13 23-0724 EA 12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	4,572.94 535.08	195.02
23 21 13 23-0725 Plain End Piping System, Adapter Nipples (23 21 13 23-0648) Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0726 EA 1" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	18.48 2.94	4.49
23 21 13 23-0727 EA 1-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	21.42 3.02	6.21
23 21 13 23-0728 EA 2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	24.37 3.02	8.23
23 21 13 23-0729 EA 2-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	29.10 3.53	9.95
23 21 13 23-0730 EA 3" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	35.42 4.37	11.98
23 21 13 23-0731 EA 4" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	53.14 7.30	15.94
23 21 13 23-0732 EA 6" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	108.90 19.74	19.98
23 21 13 23-0733 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0648)		
23 21 13 23-0734 EA 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	55.54 9.86	10.70
23 21 13 23-0735 EA 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	58.54 9.86	12.72
23 21 13 23-0736 EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	61.56 9.86	14.75
23 21 13 23-0737 EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	60.83 9.86	14.29
23 21 13 23-0738 EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	63.78 9.86	16.24
23 21 13 23-0739 EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	66.77 9.86	18.18
23 21 13 23-0740 EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	72.70 12.01	16.46
23 21 13 23-0741 EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	75.37 12.01	18.18
23 21 13 23-0742 EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	67.27 9.24	20.21
23 21 13 23-0743 EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	73.07 9.24	24.09
23 21 13 23-0744 EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	83.09 11.05	25.97
23 21 13 23-0745 EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	98.23 16.89	20.43
23 21 13 23-0746 EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	100.85 16.89	22.23
23 21 13 23-0747 EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	87.49 12.79	24.25
23 21 13 23-0748 EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	90.06 12.79	25.97
23 21 13 23-0749 EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	93.11 12.79	27.99
23 21 13 23-0750 EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	96.02 12.79	29.94
23 21 13 23-0751 EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	230.47 47.04	28.21
23 21 13 23-0752 EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	193.06 36.30	31.88
23 21 13 23-0753 EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	173.42 29.88	36.00
23 21 13 23-0754 EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	404.11 89.62	30.46
23 21 13 23-0755 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	406.70 89.62	32.18
23 21 13 23-0756 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	316.40 66.29	34.20
23 21 13 23-0757 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	319.06 66.29	36.00
23 21 13 23-0758 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	228.71 42.96	37.94
23 21 13 23-0759 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	231.42 42.96	39.74
23 21 13 23-0760 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	193.10 32.58	41.91
23 21 13 23-0761 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	218.21 37.36	45.87
23 21 13 23-0762 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	271.52 51.81	42.88

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0763	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	277.57 51.81	46.92
23 21	13 23-0764	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	312.11 58.94	50.97
23 21	13 23-0765	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	349.69 66.07	56.95
23 21	13 23-0766		Plain End Piping System, Bull Plugs <small>(23 21 13 23-0648)</small>		
23 21	13 23-0767	EA	1" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	112.60 31.76	4.49
23 21	13 23-0768	EA	1-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	115.22 31.76	6.21
23 21	13 23-0769	EA	2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	118.17 31.76	8.23
23 21	13 23-0770	EA	2-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	120.83 31.76	9.95
23 21	13 23-0771	EA	3" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	173.14 46.55	11.98
23 21	13 23-0772	EA	4" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	224.38 60.13	15.94
23 21	13 23-0773	EA	5" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	384.15 106.27	19.98
23 21	13 23-0774	EA	6" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	511.36 141.74	25.97
23 21	13 23-0775	EA	8" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	934.62 266.47	30.90
23 21	13 23-0776	EA	10" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,666.65 483.73	36.14
23 21	13 23-0777	EA	12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	2,544.70 743.88	43.40
23 21	13 23-0778		Carbon Steel Piping Systems <small>(23 21 13 23)</small>		
23 21	13 23-0779		Class 3,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-0778)</small> Note: ASTM A105		
23 21	13 23-0780		90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
23 21	13 23-0781	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	27.27	14.82
23 21	13 23-0782	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	30.65	16.54
23 21	13 23-0783	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	38.47	18.48
23 21	13 23-0784	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	51.42	20.95
23 21	13 23-0785	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	58.71	23.57
23 21	13 23-0786	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	79.19	30.01
23 21	13 23-0787	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	153.42	44.38
23 21	13 23-0788	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	217.24	58.37
23 21	13 23-0789	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	369.51	62.76
23 21	13 23-0790		45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
23 21	13 23-0791	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	29.52	14.82
23 21	13 23-0792	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	34.05	16.54
23 21	13 23-0793	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	39.51	18.48
23 21	13 23-0794	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	52.75	20.95
23 21	13 23-0795	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	61.88	23.57
23 21	13 23-0796	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	79.12	30.01
23 21	13 23-0797	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	172.83	44.38
23 21	13 23-0798	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	233.67	58.37
23 21	13 23-0799	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	362.40	62.76
23 21	13 23-0800		Straight Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
23 21	13 23-0801	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	33.52	18.48
23 21	13 23-0802	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	40.35	21.32
23 21	13 23-0803	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	52.60	25.22
23 21	13 23-0804	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	69.09	30.01
23 21	13 23-0805	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	83.59	35.77
23 21	13 23-0806	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	109.99	44.38
23 21	13 23-0807	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	192.18	58.37
23 21	13 23-0808	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	261.07	69.30
23 21	13 23-0809	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	487.96	79.24
23 21	13 23-0810		Reducing Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
23 21	13 23-0811	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	34.13	18.48
23 21	13 23-0812	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	40.99	21.32
23 21	13 23-0813	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	53.36	25.22
23 21	13 23-0814	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	70.89	30.01
23 21	13 23-0815	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	85.71	35.77
23 21	13 23-0816	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	113.24	44.38
23 21	13 23-0817	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	199.90	58.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0818 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	272.18	69.30
23 21 13 23-0819 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	448.41	79.24
23 21 13 23-0820 Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0779)		
23 21 13 23-0821 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	24.50	14.82
23 21 13 23-0822 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	27.58	16.54
23 21 13 23-0823 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	31.95	18.48
23 21 13 23-0824 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	36.72	20.95
23 21 13 23-0825 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	42.57	23.57
23 21 13 23-0826 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	55.43	30.01
23 21 13 23-0827 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	92.89	44.38
23 21 13 23-0828 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	123.90	58.37
23 21 13 23-0829 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	166.60	62.76
23 21 13 23-0830 Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0779)		
23 21 13 23-0831 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	25.75	14.82
23 21 13 23-0832 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	28.96	16.54
23 21 13 23-0833 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	34.15	18.48
23 21 13 23-0834 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	39.38	20.95
23 21 13 23-0835 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	46.51	23.57
23 21 13 23-0836 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	59.65	30.01
23 21 13 23-0837 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	102.18	44.38
23 21 13 23-0838 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	142.59	58.37
23 21 13 23-0839 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	205.45	62.76
23 21 13 23-0840 Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0779)		
23 21 13 23-0841 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	14.08	6.96
23 21 13 23-0842 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	15.92	7.41
23 21 13 23-0843 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	18.63	8.53
23 21 13 23-0844 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	21.48	9.28
23 21 13 23-0845 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	24.28	9.28
23 21 13 23-0846 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	31.47	11.90
23 21 13 23-0847 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	54.18	14.82
23 21 13 23-0848 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	77.25	17.89
23 21 13 23-0849 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	110.88	21.47
23 21 13 23-0850 Black Cast Iron Square Head Plug (23 21 13 23-0779)		
23 21 13 23-0851 EA 1/2" Square Head Plug, Black, Cast Iron.....	10.49	5.91
23 21 13 23-0852 EA 3/4" Square Head Plug, Black, Cast Iron.....	13.01	5.91
23 21 13 23-0853 EA 1" Square Head Plug, Black, Cast Iron.....	18.09	8.98
23 21 13 23-0854 EA 1-1/4" Square Head Plug, Black, Cast Iron.....	18.59	8.98
23 21 13 23-0855 EA 1-1/2" Square Head Plug, Black, Cast Iron.....	20.68	8.98
23 21 13 23-0856 EA 2" Square Head Plug, Black, Cast Iron.....	27.30	11.90
23 21 13 23-0857 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	35.84	14.82
23 21 13 23-0858 EA 3" Square Head Plug, Black, Cast Iron.....	48.76	17.89
23 21 13 23-0859 EA 4" Square Head Plug, Black, Cast Iron.....	58.01	21.47
23 21 13 23-0860 Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0779)		
23 21 13 23-0861 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	40.78	18.48
23 21 13 23-0862 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	45.38	21.32
23 21 13 23-0863 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	57.38	25.22
23 21 13 23-0864 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	71.97	30.01
23 21 13 23-0865 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	86.64	35.77
23 21 13 23-0866 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	108.21	44.38
23 21 13 23-0867 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	179.05	48.20
23 21 13 23-0868 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	238.84	58.37
23 21 13 23-0869 Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0778)		
Note: ASTM A105		
23 21 13 23-0870 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21 13 23-0871 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	29.98	14.82
23 21 13 23-0872 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	33.75	16.54
23 21 13 23-0873 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	44.18	18.48
23 21 13 23-0874 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	62.06	20.95
23 21 13 23-0875 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	71.09	23.57
23 21 13 23-0876 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	97.38	30.01
23 21 13 23-0877 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	199.57	44.38
23 21 13 23-0878 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	286.13	58.37
23 21 13 23-0879 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	515.80	62.76
23 21 13 23-0880 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21 13 23-0881 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	33.68	14.82

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0882	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	39.28	16.54
23 21	13 23-0883	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	46.19	18.48
23 21	13 23-0884	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	64.84	20.95
23 21	13 23-0885	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	76.88	23.57
23 21	13 23-0886	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	98.48	30.01
23 21	13 23-0887	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	233.03	44.38
23 21	13 23-0888	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	316.41	58.37
23 21	13 23-0889	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	514.34	62.76
23 21	13 23-0890		Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0891	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	38.88	18.48
23 21	13 23-0892	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	48.11	21.32
23 21	13 23-0893	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	66.32	25.22
23 21	13 23-0894	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	91.46	30.01
23 21	13 23-0895	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	111.33	35.77
23 21	13 23-0896	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	150.25	44.38
23 21	13 23-0897	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	289.10	58.37
23 21	13 23-0898	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	406.60	69.30
23 21	13 23-0899	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	829.87	79.24
23 21	13 23-0900		Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0901	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	34.13	18.48
23 21	13 23-0902	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	40.99	21.32
23 21	13 23-0903	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	53.36	25.22
23 21	13 23-0904	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	70.89	30.01
23 21	13 23-0905	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	85.71	35.77
23 21	13 23-0906	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	113.24	44.38
23 21	13 23-0907	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	199.90	58.37
23 21	13 23-0908	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	272.18	69.30
23 21	13 23-0909	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	448.41	79.24
23 21	13 23-0910		Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0911	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	25.63	14.82
23 21	13 23-0912	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	28.91	16.54
23 21	13 23-0913	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	34.00	18.48
23 21	13 23-0914	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	39.30	20.95
23 21	13 23-0915	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	46.04	23.57
23 21	13 23-0916	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	60.50	30.01
23 21	13 23-0917	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	105.65	44.38
23 21	13 23-0918	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	141.49	58.37
23 21	13 23-0919	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	201.69	62.76
23 21	13 23-0920		Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0921	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	27.48	14.82
23 21	13 23-0922	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	30.94	16.54
23 21	13 23-0923	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	37.24	18.48
23 21	13 23-0924	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	43.21	20.95
23 21	13 23-0925	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	51.85	23.57
23 21	13 23-0926	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	66.70	30.01
23 21	13 23-0927	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	119.30	44.38
23 21	13 23-0928	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	169.01	58.37
23 21	13 23-0929	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	258.92	62.76
23 21	13 23-0930		Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0931	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	16.56	6.96
23 21	13 23-0932	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	19.16	7.41
23 21	13 23-0933	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	22.55	8.53
23 21	13 23-0934	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	26.60	9.28
23 21	13 23-0935	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	31.27	9.28
23 21	13 23-0936	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	40.59	11.90
23 21	13 23-0937	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	75.66	14.82
23 21	13 23-0938	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	111.09	17.89
23 21	13 23-0939	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	163.64	21.47
23 21	13 23-0940		Black Cast Iron Square Head Plug (23 21 13 23-0869)		
23 21	13 23-0941	EA	1/2" Square Head Plug, Black Cast Iron.....	10.50	5.91
23 21	13 23-0942	EA	3/4" Square Head Plug, Black Cast Iron.....	13.03	5.91
23 21	13 23-0943	EA	1" Square Head Plug, Black Cast Iron.....	18.11	8.98
23 21	13 23-0944	EA	1-1/4" Square Head Plug, Black Cast Iron.....	18.62	8.98
23 21	13 23-0945	EA	1-1/2" Square Head Plug, Black Cast Iron.....	20.71	8.98
23 21	13 23-0946	EA	2" Square Head Plug, Black Cast Iron.....	27.35	11.90
23 21	13 23-0947	EA	2-1/2" Square Head Plug, Black Cast Iron.....	35.91	14.82
23 21	13 23-0948	EA	3" Square Head Plug, Black Cast Iron.....	48.87	17.89
23 21	13 23-0949	EA	4" Square Head Plug, Black Cast Iron.....	58.13	21.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0950				Unions, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0950)</small>		
			EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	48.76	18.48
			EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	53.58	21.32
			EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	69.35	25.22
			EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	88.50	30.01
			EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	106.81	35.77
			EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	133.71	44.38
			EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	244.33	48.20
			EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	331.37	58.37
23 21 13 23-0959				Carbon Steel Piping System <small>(23 21 13 23-0778)</small>		
				Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-0960				Schedule 40 Carbon Steel Piping <small>(23 21 13 23-0959)</small>		
				Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
			LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	9.00	2.77
				For Schedule 80, Add	1.74	
			LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	8.95	2.99
				For Schedule 80, Add	1.59	
				For Schedule 160, Add	6.63	
			LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	10.23	3.21
				For Schedule 80, Add	1.95	
				For Schedule 160, Add	8.12	
			LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40.....	10.82	3.52
				For Schedule 80, Add	2.01	
				For Schedule 160, Add	8.37	
			LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	14.74	4.34
				For Schedule 80, Add	2.96	
				For Schedule 160, Add	12.35	
			LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	18.71	5.24
				For Schedule 80, Add	3.90	
				For Schedule 160, Add	16.25	
23 21 13 23-0967				90 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>		
			EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	20.27	11.37
			EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	24.36	13.32
			EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	27.24	14.89
			EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	31.12	16.61
			EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	47.79	21.25
			EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	60.57	27.02
			EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	21.29	11.37
			EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	24.75	13.32
			EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	28.51	14.89
			EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	33.88	16.61
			EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	54.38	21.25
			EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	67.85	27.02
			EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	28.33	13.32
			EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	33.02	14.89
			EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	38.62	16.61
			EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	67.70	21.25
			EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	103.17	27.02
23 21 13 23-0985				45 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>		
			EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	22.45	11.37
			EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	25.19	13.32
			EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	28.31	14.89
			EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	31.94	16.61
			EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	45.16	21.25
			EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	64.63	27.02
			EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	22.62	11.37
			EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	26.13	13.32
			EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	29.39	14.89
			EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	34.75	16.61
			EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	53.36	21.25
			EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	70.12	27.02
			EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	30.81	13.32
			EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	37.48	14.89
			EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	40.30	16.61
			EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	77.20	21.25
			EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	103.80	27.02
23 21 13 23-1003				Straight Tees, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>		
			EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	26.98	15.79
			EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	30.67	16.61
			EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	36.59	19.23
			EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	44.68	22.67

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1008	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	70.71	32.18
23 21	13 23-1009	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	87.67	39.96
23 21	13 23-1010	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	27.86	15.79
23 21	13 23-1011	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	31.24	16.61
23 21	13 23-1012	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	38.50	19.23
23 21	13 23-1013	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	46.32	22.67
23 21	13 23-1014	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	76.36	32.18
23 21	13 23-1015	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	97.02	39.96
23 21	13 23-1016	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	35.54	16.61
23 21	13 23-1017	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	43.11	19.23
23 21	13 23-1018	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	57.74	22.67
23 21	13 23-1019	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	89.33	32.18
23 21	13 23-1020	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	138.38	39.96
23 21	13 23-1021		Crosses, Screwed Carbon Steel (23 21 13 23-0959)		
23 21	13 23-1022	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	39.92	19.98
23 21	13 23-1023	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	46.95	22.45
23 21	13 23-1024	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	50.41	23.94
23 21	13 23-1025	EA	1" Cross, 2,000 LB, Screwed Carbon Steel.....	62.21	28.89
23 21	13 23-1026	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	106.08	40.41
23 21	13 23-1027	EA	2" Cross, 2,000 LB, Screwed Carbon Steel.....	136.44	49.92
23 21	13 23-1028	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	48.02	22.45
23 21	13 23-1029	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	56.58	23.94
23 21	13 23-1030	EA	1" Cross, 3,000 LB, Screwed Carbon Steel.....	67.60	28.89
23 21	13 23-1031	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	113.87	40.41
23 21	13 23-1032	EA	2" Cross, 3,000 LB, Screwed Carbon Steel.....	150.68	49.92
23 21	13 23-1033	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	68.14	22.45
23 21	13 23-1034	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	111.49	23.94
23 21	13 23-1035	EA	1" Cross, 6,000 LB, Screwed Carbon Steel.....	152.23	28.89
23 21	13 23-1036	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	239.71	40.41
23 21	13 23-1037	EA	2" Cross, 6,000 LB, Screwed Carbon Steel.....	263.83	49.92
23 21	13 23-1038		Straight Couplings, Screwed Carbon Steel (23 21 13 23-0959)		
23 21	13 23-1039	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	18.99	11.37
23 21	13 23-1040	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	21.73	13.32
23 21	13 23-1041	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	24.80	14.89
23 21	13 23-1042	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	28.65	16.61
23 21	13 23-1043	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	41.15	21.25
23 21	13 23-1044	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	52.23	27.02
23 21	13 23-1045	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	21.57	11.37
23 21	13 23-1046	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	23.37	13.32
23 21	13 23-1047	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	26.05	14.89
23 21	13 23-1048	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	30.32	16.61
23 21	13 23-1049	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	43.71	21.25
23 21	13 23-1050	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	61.55	27.02
23 21	13 23-1051		Reducing Couplings, Screwed Carbon Steel (23 21 13 23-0959)		
23 21	13 23-1052	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	19.35	12.13
23 21	13 23-1053	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	22.58	13.32
23 21	13 23-1054	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	26.09	14.89
23 21	13 23-1055	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	30.44	16.61
23 21	13 23-1056	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	41.62	21.25
23 21	13 23-1057	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	54.74	27.02
23 21	13 23-1058	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	55.60	13.32
23 21	13 23-1059	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	57.99	14.89
23 21	13 23-1060	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	67.63	16.61
23 21	13 23-1061	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	96.63	21.25
23 21	13 23-1062	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	138.00	27.02
23 21	13 23-1063		Caps, Screwed Carbon Steel (23 21 13 23-0959)		
23 21	13 23-1064	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	5.68	2.77
23 21	13 23-1065	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	6.31	3.14
23 21	13 23-1066	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	7.65	3.60
23 21	13 23-1067	EA	1" Cap, 3,000 LB, Screwed Carbon Steel.....	9.76	4.19
23 21	13 23-1068	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	13.12	5.02
23 21	13 23-1069	EA	2" Cap, 3,000 LB, Screwed Carbon Steel.....	18.14	6.21
23 21	13 23-1070	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	8.77	2.77
23 21	13 23-1071	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	8.30	3.14
23 21	13 23-1072	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	10.88	3.60
23 21	13 23-1073	EA	1" Cap, 6,000 LB, Screwed Carbon Steel.....	12.12	4.19
23 21	13 23-1074	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	22.74	5.02
23 21	13 23-1075	EA	2" Cap, 6,000 LB, Screwed Carbon Steel.....	27.50	6.21
23 21	13 23-1076		Nipples, Screwed Carbon Steel (23 21 13 23-0959)		
23 21	13 23-1077	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel.....	11.65	6.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
23 21	13 23-1078	EA		1/2" Nipple, 2" Long, Screwed Carbon Steel	11.86	7.11	
23 21	13 23-1079	EA		3/4" Nipple, 2" Long, Screwed Carbon Steel	11.79	7.11	
23 21	13 23-1080	EA		1" Nipple, 2" Long, Screwed Carbon Steel	13.08	7.71	
23 21	13 23-1081	EA		1-1/2" Nipple, 2" Long, Screwed Carbon Steel	14.83	8.31	
23 21	13 23-1082	EA		2" Nipple, 2" Long, Screwed Carbon Steel	17.88	10.70	
23 21	13 23-1083	EA		1/4" Nipple, 4" Long, Screwed Carbon Steel	12.24	6.81	
23 21	13 23-1084	EA		1/2" Nipple, 4" Long, Screwed Carbon Steel	12.33	7.11	
23 21	13 23-1085	EA		3/4" Nipple, 4" Long, Screwed Carbon Steel	12.32	7.11	
23 21	13 23-1086	EA		1" Nipple, 4" Long, Screwed Carbon Steel	13.79	7.71	
23 21	13 23-1087	EA		1-1/2" Nipple, 4" Long, Screwed Carbon Steel	16.11	8.31	
23 21	13 23-1088	EA		2" Nipple, 4" Long, Screwed Carbon Steel	19.75	10.70	
23 21	13 23-1089	EA		1/4" Nipple, 6" Long, Screwed Carbon Steel	13.66	6.81	
23 21	13 23-1090	EA		1/2" Nipple, 6" Long, Screwed Carbon Steel	13.08	7.11	
23 21	13 23-1091	EA		3/4" Nipple, 6" Long, Screwed Carbon Steel	13.15	7.11	
23 21	13 23-1092	EA		1" Nipple, 6" Long, Screwed Carbon Steel	14.82	7.71	
23 21	13 23-1093	EA		1-1/2" Nipple, 6" Long, Screwed Carbon Steel	17.85	8.31	
23 21	13 23-1094	EA		2" Nipple, 6" Long, Screwed Carbon Steel	21.29	10.70	
23 21	13 23-1095	Unions, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>					
23 21	13 23-1096	EA		1/4" Union, 3,000 LB, Screwed Carbon Steel	24.54	16.54	
23 21	13 23-1097	EA		1/2" Union, 3,000 LB, Screwed Carbon Steel	25.96	16.61	
23 21	13 23-1098	EA		3/4" Union, 3,000 LB, Screwed Carbon Steel	29.83	19.23	
23 21	13 23-1099	EA		1" Union, 3,000 LB, Screwed Carbon Steel	35.54	22.67	
23 21	13 23-1100	EA		1-1/2" Union, 3,000 LB, Screwed Carbon Steel	50.83	32.18	
23 21	13 23-1101	EA		2" Union, 3,000 LB, Screwed Carbon Steel	63.10	39.96	
23 21	13 23-1102	EA		1/4" Union, 6,000 LB, Screwed Carbon Steel	38.24	16.54	
23 21	13 23-1103	EA		1/2" Union, 6,000 LB, Screwed Carbon Steel	42.52	16.61	
23 21	13 23-1104	EA		3/4" Union, 6,000 LB, Screwed Carbon Steel	49.88	19.23	
23 21	13 23-1105	EA		1" Union, 6,000 LB, Screwed Carbon Steel	60.25	22.67	
23 21	13 23-1106	EA		1-1/2" Union, 6,000 LB, Screwed Carbon Steel	101.37	32.18	
23 21	13 23-1107	EA		2" Union, 6,000 LB, Screwed Carbon Steel	125.29	39.96	
23 21	13 23-1108	Weld Neck Flanges, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>					
23 21	13 23-1109	EA		1/2" Flange, 150 LB, Screwed Carbon Steel	53.66	30.90	
23 21	13 23-1110	EA		3/4" Flange, 150 LB, Screwed Carbon Steel	56.14	32.40	
23 21	13 23-1111	EA		1" Flange, 150 LB, Screwed Carbon Steel	58.25	33.82	
23 21	13 23-1112	EA		1-1/2" Flange, 150 LB, Screwed Carbon Steel	64.90	38.10	
23 21	13 23-1113	EA		2" Flange, 150 LB, Screwed Carbon Steel	67.40	39.74	
23 21	13 23-1114	EA		1/2" Flange, 300 LB, Screwed Carbon Steel	54.12	30.90	
				<i>For Ring Type Joint, Add</i>	7.75		
				<i>For Blind Flange, Deduct</i>	-20.10		
23 21	13 23-1115	EA		3/4" Flange, 300 LB, Screwed Carbon Steel	56.63	32.40	
				<i>For Ring Type Joint, Add</i>	8.01		
				<i>For Blind Flange, Deduct</i>	-21.05		
23 21	13 23-1116	EA		1" Flange, 300 LB, Screwed Carbon Steel	58.99	33.82	
				<i>For Ring Type Joint, Add</i>	8.26		
				<i>For Blind Flange, Deduct</i>	-21.94		
23 21	13 23-1117	EA		1-1/2" Flange, 300 LB, Screwed Carbon Steel	66.68	38.10	
				<i>For Ring Type Joint, Add</i>	9.56		
				<i>For Blind Flange, Deduct</i>	-24.76		
23 21	13 23-1118	EA		2" Flange, 300 LB, Screwed Carbon Steel	69.18	39.74	
				<i>For Ring Type Joint, Add</i>	9.56		
				<i>For Blind Flange, Deduct</i>	-25.76		
23 21	13 23-1119	EA		1/2" Flange, 600 LB, Screwed Carbon Steel	57.16	30.90	
				<i>For Ring Type Joint, Add</i>	10.79		
				<i>For Blind Flange, Deduct</i>	-20.71		
23 21	13 23-1120	EA		3/4" Flange, 600 LB, Screwed Carbon Steel	59.41	32.40	
				<i>For Ring Type Joint, Add</i>	10.79		
				<i>For Blind Flange, Deduct</i>	-21.61		
23 21	13 23-1121	EA		1" Flange, 600 LB, Screwed Carbon Steel	62.02	33.82	
				<i>For Ring Type Joint, Add</i>	11.29		
				<i>For Blind Flange, Deduct</i>	-22.55		
23 21	13 23-1122	EA		1-1/2" Flange, 600 LB, Screwed Carbon Steel	70.42	38.10	
				<i>For Ring Type Joint, Add</i>	13.30		
				<i>For Blind Flange, Deduct</i>	-25.51		
23 21	13 23-1123	EA		2" Flange, 600 LB, Screwed Carbon Steel	72.00	39.74	
				<i>For Ring Type Joint, Add</i>	12.38		
				<i>For Blind Flange, Deduct</i>	-26.32		
23 21	13 23-1124	Square Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>					
23 21	13 23-1125	EA		1/4" Square Head Plug, Screwed Carbon Steel	4.59	2.10	
23 21	13 23-1126	EA		1/2" Square Head Plug, Screwed Carbon Steel	5.48	2.47	
23 21	13 23-1127	EA		3/4" Square Head Plug, Screwed Carbon Steel	6.43	2.84	
23 21	13 23-1128	EA		1" Square Head Plug, Screwed Carbon Steel	9.35	4.19	
23 21	13 23-1129	EA		1-1/2" Square Head Plug, Screwed Carbon Steel	13.13	4.19	
23 21	13 23-1130	EA		2" Square Head Plug, Screwed Carbon Steel	19.61	5.46	
23 21	13 23-1131	Hex Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>					

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1132	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	4.24	2.10
23 21	13 23-1133	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	5.16	2.47
23 21	13 23-1134	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	6.25	2.84
23 21	13 23-1135	EA	1" Hex Head Plug, Screwed Carbon Steel.....	9.21	4.19
23 21	13 23-1136	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	12.43	4.19
23 21	13 23-1137	EA	2" Hex Head Plug, Screwed Carbon Steel.....	20.47	5.46
23 21	13 23-1138		Round Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>		
23 21	13 23-1139	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	5.49	2.10
23 21	13 23-1140	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	5.57	2.47
23 21	13 23-1141	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	6.32	2.84
23 21	13 23-1142	EA	1" Round Head Plug, Screwed Carbon Steel.....	9.55	4.19
23 21	13 23-1143	EA	1-1/2" Round Head Plug, Screwed Carbon Steel.....	14.36	4.19
23 21	13 23-1144	EA	2" Round Head Plug, Screwed Carbon Steel.....	20.24	5.46
23 21	13 23-1145		Hexagon Bushings, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>		
23 21	13 23-1146	EA	1/4" Hex Bushing, Screwed Carbon Steel.....	4.53	2.10
23 21	13 23-1147	EA	1/2" Hex Bushing, Screwed Carbon Steel.....	5.15	2.47
23 21	13 23-1148	EA	3/4" Hex Bushing, Screwed Carbon Steel.....	6.15	2.84
23 21	13 23-1149	EA	1" Hex Bushing, Screwed Carbon Steel.....	9.48	4.19
23 21	13 23-1150	EA	1-1/2" Hex Bushing, Screwed Carbon Steel.....	12.36	4.19
23 21	13 23-1151	EA	2" Hex Bushing, Screwed Carbon Steel.....	19.58	5.46
23 21	13 23-1152		90 Degree Street Elbows, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>		
23 21	13 23-1153	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	23.54	11.37
23 21	13 23-1154	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	26.94	13.32
23 21	13 23-1155	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	31.32	14.89
23 21	13 23-1156	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	36.44	16.61
23 21	13 23-1157	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	56.44	21.25
23 21	13 23-1158	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	75.57	27.02
23 21	13 23-1159	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	36.30	13.32
23 21	13 23-1160	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	50.36	14.89
23 21	13 23-1161	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	68.29	16.61
23 21	13 23-1162	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	144.05	21.25
23 21	13 23-1163		Screwed Carbon Steel Laterals <small>(23 21 13 23-0959)</small>		
23 21	13 23-1164	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	89.43	16.61
23 21	13 23-1165	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	107.28	19.23
23 21	13 23-1166	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	131.02	22.67
23 21	13 23-1167	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	169.39	32.18
23 21	13 23-1168	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	211.26	39.96
23 21	13 23-1169	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	111.29	16.61
23 21	13 23-1170	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	139.80	19.23
23 21	13 23-1171	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	165.79	22.67
23 21	13 23-1172	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	233.31	32.18
23 21	13 23-1173		Grooved-Joint Pipe <small>(23 21 13 23)</small>		
			Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21	13 23-1174		Schedule 10 Black Grooved Pipe <small>(23 21 13 23-1173)</small>		
23 21	13 23-1175	LF	2" Black Schedule 10 Grooved Pipe.....	17.65	9.51
23 21	13 23-1176	LF	2-1/2" Black Schedule 10 Grooved Pipe.....	23.98	13.02
23 21	13 23-1177	LF	3" Black Schedule 10 Grooved Pipe.....	26.80	14.44
23 21	13 23-1178	LF	3-1/2" Black Schedule 10 Grooved Pipe.....	29.06	14.97
23 21	13 23-1179	LF	4" Black Schedule 10 Grooved Pipe.....	31.07	16.24
23 21	13 23-1180	LF	5" Black Schedule 10 Grooved Pipe.....	41.66	19.90
23 21	13 23-1181	LF	6" Black Schedule 10 Grooved Pipe.....	55.64	28.28
23 21	13 23-1182	LF	8" Black Schedule 10 Grooved Pipe.....	70.96	31.73
23 21	13 23-1183	LF	10" Black Schedule 10 Grooved Pipe.....	87.85	38.24
23 21	13 23-1184	LF	12" Black Schedule 10 Grooved Pipe.....	100.77	43.33
23 21	13 23-1185		Schedule 40 Black Grooved Pipe <small>(23 21 13 23-1173)</small>		
23 21	13 23-1186	LF	3/4" Black Schedule 40 Grooved Pipe.....	10.62	5.76
23 21	13 23-1187	LF	1" Black Schedule 40 Grooved Pipe.....	11.99	6.51
23 21	13 23-1188	LF	1-1/4" Black Schedule 40 Grooved Pipe.....	13.40	7.03
23 21	13 23-1189	LF	1-1/2" Black Schedule 40 Grooved Pipe.....	15.24	8.01
23 21	13 23-1190	LF	2" Black Schedule 40 Grooved Pipe.....	19.29	10.17
23 21	13 23-1191	LF	2-1/2" Black Schedule 40 Grooved Pipe.....	26.68	13.92
23 21	13 23-1192	LF	3" Black Schedule 40 Grooved Pipe.....	31.07	15.86
23 21	13 23-1193	LF	4" Black Schedule 40 Grooved Pipe.....	36.78	17.66
23 21	13 23-1194	LF	5" Black Schedule 40 Grooved Pipe.....	48.55	21.48
23 21	13 23-1195	LF	6" Black Schedule 40 Grooved Pipe.....	66.83	30.98
23 21	13 23-1196	LF	8" Black Schedule 40 Grooved Pipe.....	84.35	35.09
23 21	13 23-1197	LF	10" Black Schedule 40 Grooved Pipe.....	111.51	41.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1198 LF 12" Black Schedule 40 Grooved Pipe.....	130.45	48.12
23 21 13 23-1199 LF 14" Black Schedule 40 Grooved Pipe.....	173.24	65.03
23 21 13 23-1200 LF 16" Black Schedule 40 Grooved Pipe.....	201.76	76.48
23 21 13 23-1201 LF 18" Black Schedule 40 Grooved Pipe.....	248.95	92.87
23 21 13 23-1202 LF 20" Black Schedule 40 Grooved Pipe.....	287.98	108.29
23 21 13 23-1203 LF 24" Black Schedule 40 Grooved Pipe.....	367.99	129.99
23 21 13 23-1204 Schedule 80 Black Grooved Pipe (23 21 13 23-1173)		
23 21 13 23-1205 LF 3/4" Black Schedule 80 Grooved Pipe.....	11.63	6.29
23 21 13 23-1206 LF 1" Black Schedule 80 Grooved Pipe.....	12.70	6.66
23 21 13 23-1207 LF 1-1/4" Black Schedule 80 Grooved Pipe.....	14.60	7.41
23 21 13 23-1208 LF 1-1/2" Black Schedule 80 Grooved Pipe.....	16.53	8.31
23 21 13 23-1209 LF 2" Black Schedule 80 Grooved Pipe.....	21.36	10.70
23 21 13 23-1210 LF 2-1/2" Black Schedule 80 Grooved Pipe.....	29.80	14.75
23 21 13 23-1211 LF 3" Black Schedule 80 Grooved Pipe.....	34.81	16.54
23 21 13 23-1212 LF 4" Black Schedule 80 Grooved Pipe.....	41.73	18.04
23 21 13 23-1213 LF 5" Black Schedule 80 Grooved Pipe.....	60.15	22.67
23 21 13 23-1214 LF 6" Black Schedule 80 Grooved Pipe.....	80.45	32.47
23 21 13 23-1215 LF 8" Black Schedule 80 Grooved Pipe.....	111.98	37.12
23 21 13 23-1216 LF 10" Black Schedule 80 Grooved Pipe.....	138.35	44.82
23 21 13 23-1217 LF 12" Black Schedule 80 Grooved Pipe.....	150.81	54.18
23 21 13 23-1218 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1173)		
23 21 13 23-1219 LF 3/4" Galvanized Schedule 40 Grooved Pipe.....	11.85	5.76
23 21 13 23-1220 LF 1" Galvanized Schedule 40 Grooved Pipe.....	13.67	6.51
23 21 13 23-1221 LF 1-1/4" Galvanized Schedule 40 Grooved Pipe.....	15.18	7.03
23 21 13 23-1222 LF 1-1/2" Galvanized Schedule 40 Grooved Pipe.....	17.27	8.01
23 21 13 23-1223 LF 2" Galvanized Schedule 40 Grooved Pipe.....	21.87	10.17
23 21 13 23-1224 LF 2-1/2" Galvanized Schedule 40 Grooved Pipe.....	30.52	13.92
23 21 13 23-1225 LF 3" Galvanized Schedule 40 Grooved Pipe.....	36.00	15.86
23 21 13 23-1226 LF 4" Galvanized Schedule 40 Grooved Pipe.....	43.76	17.66
23 21 13 23-1227 LF 5" Galvanized Schedule 40 Grooved Pipe.....	60.33	21.48
23 21 13 23-1228 LF 6" Galvanized Schedule 40 Grooved Pipe.....	82.06	30.98
23 21 13 23-1229 LF 8" Galvanized Schedule 40 Grooved Pipe.....	106.92	35.09
23 21 13 23-1230 LF 10" Galvanized Schedule 40 Grooved Pipe.....	148.10	41.91
23 21 13 23-1231 LF 12" Galvanized Schedule 40 Grooved Pipe.....	174.47	48.12
23 21 13 23-1232 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1173)		
23 21 13 23-1233 LF 3/4" Galvanized Schedule 80 Grooved Pipe.....	12.77	6.29
23 21 13 23-1234 LF 1" Galvanized Schedule 80 Grooved Pipe.....	16.12	6.66
23 21 13 23-1235 LF 1-1/4" Galvanized Schedule 80 Grooved Pipe.....	16.53	7.41
23 21 13 23-1236 LF 1-1/2" Galvanized Schedule 80 Grooved Pipe.....	21.33	8.83
23 21 13 23-1237 LF 2" Galvanized Schedule 80 Grooved Pipe.....	24.37	10.70
23 21 13 23-1238 LF 2-1/2" Galvanized Schedule 80 Grooved Pipe.....	34.33	14.75
23 21 13 23-1239 LF 3" Galvanized Schedule 80 Grooved Pipe.....	40.90	16.54
23 21 13 23-1240 LF 4" Galvanized Schedule 80 Grooved Pipe.....	60.53	18.04
23 21 13 23-1241 LF 5" Galvanized Schedule 80 Grooved Pipe.....	74.53	22.67
23 21 13 23-1242 LF 6" Galvanized Schedule 80 Grooved Pipe.....	97.65	32.47
23 21 13 23-1243 LF 8" Galvanized Schedule 80 Grooved Pipe.....	142.07	37.12
23 21 13 23-1244 LF 10" Galvanized Schedule 80 Grooved Pipe.....	169.30	44.82
23 21 13 23-1245 LF 12" Galvanized Schedule 80 Grooved Pipe.....	187.53	54.18
23 21 13 23-1246 Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
Note: Couplings are not included with fittings.		
23 21 13 23-1247 Grooved Elbows (23 21 13 23-1246)		
23 21 13 23-1248 90 Degree Grooved Elbows (23 21 13 23-1247)		
Note: Victaulic No. 10		
23 21 13 23-1249 EA 3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	41.56	8.16
<i>For Galvanized Fittings, Add</i>		
	9.68	
23 21 13 23-1250 EA 1" 90 Degree Elbow, Ductile Iron, Grooved.....	41.56	8.16
<i>For Galvanized Fittings, Add</i>		
	9.68	
23 21 13 23-1251 EA 1-1/4" 90 Degree Elbow, Ductile Iron, Grooved.....	44.61	10.17
<i>For Galvanized Fittings, Add</i>		
	9.68	
23 21 13 23-1252 EA 1-1/2" 90 degree Elbow, Ductile Iron, Grooved.....	47.85	12.35
<i>For Galvanized Fittings, Add</i>		
	9.68	
23 21 13 23-1253 EA 2" 90 Degree Elbow, Ductile Iron, Grooved.....	53.79	16.32
<i>For Galvanized Fittings, Add</i>		
	9.68	
23 21 13 23-1254 EA 2-1/2" 90 Degree Elbow, Ductile Iron, Grooved.....	59.13	19.90
<i>For Galvanized Fittings, Add</i>		
	9.68	
23 21 13 23-1255 EA 3" 90 Degree Elbow, Ductile Iron, Grooved.....	88.22	24.09
<i>For Galvanized Fittings, Add</i>		
	17.20	
23 21 13 23-1256 EA 4" 90 Degree Elbow, Ductile Iron, Grooved.....	104.41	31.81
<i>For Galvanized Fittings, Add</i>		
	18.73	
23 21 13 23-1257 EA 5" 90 Degree Elbow, Ductile Iron, Grooved.....	197.72	39.74
<i>For Galvanized Fittings, Add</i>		
	45.59	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1258	EA	6" 90 Degree Elbow, Ductile Iron, Grooved	238.50	52.02
			<i>For Galvanized Fittings, Add</i>	52.98	
23 21	13 23-1259	EA	8" 90 Degree Elbow, Ductile Iron, Grooved	430.69	61.89
			<i>For Galvanized Fittings, Add</i>	111.50	
23 21	13 23-1260	EA	10" 90 Degree Elbow, Ductile Iron, Grooved	634.71	72.22
			<i>For Galvanized Fittings, Add</i>	173.73	
23 21	13 23-1261	EA	12" 90 Degree Elbow, Ductile Iron, Grooved	973.73	86.66
			<i>For Galvanized Fittings, Add</i>	278.45	
23 21	13 23-1262	EA	14" 90 Degree Elbow, Steel, Grooved	1,901.49	97.81
			<i>For Galvanized Fittings, Add</i>	579.09	
23 21	13 23-1263	EA	16" 90 Degree Elbow, Steel, Grooved	2,458.58	108.29
			<i>For Galvanized Fittings, Add</i>	757.74	
23 21	13 23-1264	EA	18" 90 Degree Elbow, Steel, Grooved	3,089.59	118.31
			<i>For Galvanized Fittings, Add</i>	961.04	
23 21	13 23-1265	EA	20" 90 Degree Elbow, Steel, Grooved	4,011.48	123.03
			<i>For Galvanized Fittings, Add</i>	1,262.90	
23 21	13 23-1266	EA	24" 90 Degree Elbow, Steel, Grooved	5,725.17	145.48
			<i>For Galvanized Fittings, Add</i>	1,817.35	
23 21	13 23-1267		45 Degree Grooved Elbows (23 21 13 23-1247)		
			Note: Victaulic No. 11		
23 21	13 23-1268	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved	41.54	8.16
			<i>For Galvanized Fittings, Add</i>	7.03	
23 21	13 23-1269	EA	1" 45 Degree Elbow, Ductile Iron, Grooved	41.54	8.16
			<i>For Galvanized Fittings, Add</i>	7.03	
23 21	13 23-1270	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	44.59	10.17
			<i>For Galvanized Fittings, Add</i>	7.03	
23 21	13 23-1271	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved	47.83	12.35
			<i>For Galvanized Fittings, Add</i>	7.03	
23 21	13 23-1272	EA	2" 45 Degree Elbow, Ductile Iron, Grooved	53.77	16.32
			<i>For Galvanized Fittings, Add</i>	7.03	
23 21	13 23-1273	EA	2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	59.11	19.90
			<i>For Galvanized Fittings, Add</i>	7.03	
23 21	13 23-1274	EA	3" 45 Degree Elbow, Ductile Iron, Grooved	88.19	24.09
			<i>For Galvanized Fittings, Add</i>	12.50	
23 21	13 23-1275	EA	4" 45 Degree Elbow, Ductile Iron, Grooved	104.41	31.81
			<i>For Galvanized Fittings, Add</i>	13.62	
23 21	13 23-1276	EA	5" 45 Degree Elbow, Ductile Iron, Grooved	197.72	39.74
			<i>For Galvanized Fittings, Add</i>	33.15	
23 21	13 23-1277	EA	6" 45 Degree Elbow, Ductile Iron, Grooved	238.50	52.02
			<i>For Galvanized Fittings, Add</i>	38.53	
23 21	13 23-1278	EA	8" 45 Degree Elbow, Ductile Iron, Grooved	430.69	61.89
			<i>For Galvanized Fittings, Add</i>	81.09	
23 21	13 23-1279	EA	10" 45 Degree Elbow, Ductile Iron, Grooved	634.71	72.22
			<i>For Galvanized Fittings, Add</i>	126.35	
23 21	13 23-1280	EA	12" 45 Degree Elbow, Ductile Iron, Grooved	973.73	86.66
			<i>For Galvanized Fittings, Add</i>	202.51	
23 21	13 23-1281	EA	14" 45 Degree Elbow, Steel, Grooved	1,901.49	97.81
			<i>For Galvanized Fittings, Add</i>	421.15	
23 21	13 23-1282	EA	16" 45 Degree Elbow, Steel, Grooved	2,458.58	108.29
			<i>For Galvanized Fittings, Add</i>	551.09	
23 21	13 23-1283	EA	18" 45 Degree Elbow, Steel, Grooved	3,089.59	118.31
			<i>For Galvanized Fittings, Add</i>	698.94	
23 21	13 23-1284	EA	20" 45 Degree Elbow, Steel, Grooved	4,011.81	123.25
			<i>For Galvanized Fittings, Add</i>	918.48	
23 21	13 23-1285	EA	24" 45 Degree Elbow, Steel, Grooved	5,725.17	145.48
			<i>For Galvanized Fittings, Add</i>	1,321.71	
23 21	13 23-1286		22-1/2 Degree Grooved Elbows (23 21 13 23-1247)		
			Note: Victaulic No. 12		
23 21	13 23-1287	EA	1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	43.47	8.16
			<i>For Galvanized Fittings, Add</i>	7.50	
23 21	13 23-1288	EA	1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	46.52	10.17
			<i>For Galvanized Fittings, Add</i>	7.50	
23 21	13 23-1289	EA	1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	49.76	12.35
			<i>For Galvanized Fittings, Add</i>	7.50	
23 21	13 23-1290	EA	2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	55.70	16.32
			<i>For Galvanized Fittings, Add</i>	7.50	
23 21	13 23-1291	EA	2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	61.04	19.90
			<i>For Galvanized Fittings, Add</i>	7.50	
23 21	13 23-1292	EA	3" 22-1/2 Degree Elbow, Ductile Iron, Grooved	81.80	24.09
			<i>For Galvanized Fittings, Add</i>	10.97	
23 21	13 23-1293	EA	4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	108.93	31.81
			<i>For Galvanized Fittings, Add</i>	14.70	
23 21	13 23-1294	EA	5" 22-1/2 Degree Elbow, Steel, Grooved	249.57	39.74
			<i>For Galvanized Fittings, Add</i>	45.60	
23 21	13 23-1295	EA	6" 22-1/2 Degree Elbow, Ductile Iron, Grooved	251.52	52.02
			<i>For Galvanized Fittings, Add</i>	41.66	
23 21	13 23-1296	EA	8" 22-1/2 Degree Elbow, Ductile Iron, Grooved	455.95	61.89
			<i>For Galvanized Fittings, Add</i>	87.16	
23 21	13 23-1297	EA	10" 22-1/2 Degree Elbow, Steel, Grooved	606.84	72.22
			<i>For Galvanized Fittings, Add</i>	119.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1298 EA 12" 22-1/2 Degree Elbow, Steel, Grooved	803.95	86.66
For Galvanized Fittings, Add	161.76	
23 21 13 23-1299 EA 14" 22-1/2 Degree Elbow, Steel, Grooved	925.19	97.81
For Galvanized Fittings, Add	186.84	
23 21 13 23-1300 EA 16" 22-1/2 Degree Elbow, Steel, Grooved	1,096.10	108.29
For Galvanized Fittings, Add	224.09	
23 21 13 23-1301 EA 18" 22-1/2 Degree Elbow, Steel, Grooved	1,308.15	118.31
For Galvanized Fittings, Add	271.39	
23 21 13 23-1302 EA 20" 22-1/2 Degree Elbow, Steel, Grooved	1,521.40	123.03
For Galvanized Fittings, Add	320.86	
23 21 13 23-1303 EA 24" 22-1/2 Degree Elbow, Steel, Grooved	2,014.56	145.48
For Galvanized Fittings, Add	431.16	
23 21 13 23-1304 11-1/4 Degree Grooved Elbows (23 21 13 23-1247)		
Note: Victaulic No. 13		
23 21 13 23-1305 EA 1" 11-1/4 Degree Elbow, Ductile Iron, Grooved	43.47	8.16
For Galvanized Fittings, Add	7.50	
23 21 13 23-1306 EA 1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	46.52	10.17
For Galvanized Fittings, Add	7.50	
23 21 13 23-1307 EA 1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	49.76	12.35
For Galvanized Fittings, Add	7.50	
23 21 13 23-1308 EA 2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	55.70	16.32
For Galvanized Fittings, Add	7.50	
23 21 13 23-1309 EA 2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	61.04	19.90
For Galvanized Fittings, Add	7.50	
23 21 13 23-1310 EA 3" 11-1/4 Degree Elbow, Ductile Iron, Grooved	81.80	24.09
For Galvanized Fittings, Add	10.97	
23 21 13 23-1311 EA 4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	108.92	31.81
For Galvanized Fittings, Add	14.70	
23 21 13 23-1312 EA 5" 11-1/4 Degree Elbow, Steel, Grooved	249.56	39.74
For Galvanized Fittings, Add	45.60	
23 21 13 23-1313 EA 6" 11-1/4 Degree Elbow, Ductile Iron, Grooved	251.51	52.02
For Galvanized Fittings, Add	41.65	
23 21 13 23-1314 EA 8" 11-1/4 Degree Elbow, Ductile Iron, Grooved	455.93	61.89
For Galvanized Fittings, Add	87.15	
23 21 13 23-1315 EA 10" 11-1/4 Degree Elbow, Steel, Grooved	606.81	72.22
For Galvanized Fittings, Add	119.65	
23 21 13 23-1316 EA 12" 11-1/4 Degree Elbow, Steel, Grooved	803.91	86.66
For Galvanized Fittings, Add	161.76	
23 21 13 23-1317 EA 14" 11-1/4 Degree Elbow, Steel, Grooved	925.15	97.81
For Galvanized Fittings, Add	186.83	
23 21 13 23-1318 EA 16" 11-1/4 Degree Elbow, Steel, Grooved	1,096.08	108.36
For Galvanized Fittings, Add	224.08	
23 21 13 23-1319 EA 18" 11-1/4 Degree Elbow, Steel, Grooved	1,308.08	118.31
For Galvanized Fittings, Add	271.38	
23 21 13 23-1320 EA 20" 11-1/4 Degree Elbow, Steel, Grooved	1,521.33	123.03
For Galvanized Fittings, Add	320.84	
23 21 13 23-1321 EA 24" 11-1/4 Degree Elbow, Steel, Grooved	2,014.46	145.48
For Galvanized Fittings, Add	431.14	
23 21 13 23-1322 90 Degree Grooved Long Radius Elbows (23 21 13 23-1247)		
Note: Victaulic No. 100		
23 21 13 23-1323 EA 2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	91.51	16.32
For Galvanized Fittings, Add	16.09	
23 21 13 23-1324 EA 2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved	224.37	19.90
For Galvanized Fittings, Add	46.70	
23 21 13 23-1325 EA 3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	103.16	24.09
For Galvanized Fittings, Add	16.09	
23 21 13 23-1326 EA 4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	148.11	31.81
For Galvanized Fittings, Add	24.11	
23 21 13 23-1327 EA 5" 90 Degree Long Radius Elbow, Steel Grooved	574.43	39.74
For Galvanized Fittings, Add	123.56	
23 21 13 23-1328 EA 6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	371.80	52.02
For Galvanized Fittings, Add	70.52	
23 21 13 23-1329 EA 8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	797.64	61.89
For Galvanized Fittings, Add	169.16	
23 21 13 23-1330 EA 10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	1,569.69	72.22
For Galvanized Fittings, Add	350.74	
23 21 13 23-1331 EA 12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	1,872.68	86.66
For Galvanized Fittings, Add	418.26	
23 21 13 23-1332 Grooved Tees, Wyes And Crosses (23 21 13 23-1246)		
23 21 13 23-1333 Grooved Tees (23 21 13 23-1332)		
Note: Victaulic No. 20		
23 21 13 23-1334 EA 3/4" Tee, Ductile Iron, Grooved	60.91	10.70
For Galvanized Fittings, Add	13.45	
23 21 13 23-1335 EA 1" Tee, Ductile Iron, Grooved	63.34	12.35
For Galvanized Fittings, Add	13.45	
23 21 13 23-1336 EA 1-1/4" Tee, Ductile Iron, Grooved	67.46	15.12
For Galvanized Fittings, Add	13.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1337 EA 1-1/2" Tee, Ductile Iron, Grooved	72.61	18.56
For Galvanized Fittings, Add	13.45	
23 21 13 23-1338 EA 2" Tee, Ductile Iron, Grooved.....	80.79	24.02
For Galvanized Fittings, Add	13.45	
23 21 13 23-1339 EA 2-1/2" Tee, Ductile Iron, Grooved	88.96	29.41
For Galvanized Fittings, Add	13.45	
23 21 13 23-1340 EA 3" Tee, Ductile Iron, Grooved.....	116.94	36.14
For Galvanized Fittings, Add	18.83	
23 21 13 23-1341 EA 4" Tee, Ductile Iron, Grooved.....	166.40	46.77
For Galvanized Fittings, Add	28.89	
23 21 13 23-1342 EA 5" Tee, Ductile Iron, Grooved.....	317.61	61.14
For Galvanized Fittings, Add	67.79	
23 21 13 23-1343 EA 6" Tee, Ductile Iron, Grooved.....	375.77	76.48
For Galvanized Fittings, Add	78.34	
23 21 13 23-1344 EA 8" Tee, Ductile Iron, Grooved.....	709.63	92.87
For Galvanized Fittings, Add	171.13	
23 21 13 23-1345 EA 10" Tee, Ductile Iron, Grooved.....	1,181.00	108.29
For Galvanized Fittings, Add	305.58	
23 21 13 23-1346 EA 12" Tee, Ductile Iron, Grooved.....	1,620.94	129.99
For Galvanized Fittings, Add	427.82	
23 21 13 23-1347 EA 14" Tee, Steel, Grooved.....	1,772.23	144.43
For Galvanized Fittings, Add	466.71	
23 21 13 23-1348 EA 16" Tee, Steel, Grooved.....	2,199.42	145.26
For Galvanized Fittings, Add	594.50	
23 21 13 23-1349 EA 18" Tee, Steel, Grooved.....	2,721.88	160.23
For Galvanized Fittings, Add	744.51	
23 21 13 23-1350 EA 20" Tee, Steel, Grooved.....	3,799.84	162.77
For Galvanized Fittings, Add	1,066.76	
23 21 13 23-1351 EA 24" Tee, Steel, Grooved.....	5,763.24	199.96
For Galvanized Fittings, Add	1,639.03	
23 21 13 23-1352 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1332)		
Note: Victaulic No. 33		
23 21 13 23-1353 EA 1" Wye, Steel, Grooved.....	207.62	12.35
For Galvanized Fittings, Add	30.26	
23 21 13 23-1354 EA 1-1/4" Wye, Steel, Grooved	211.74	15.12
For Galvanized Fittings, Add	30.26	
23 21 13 23-1355 EA 1-1/2" Wye, Steel, Grooved	216.89	18.56
For Galvanized Fittings, Add	30.26	
23 21 13 23-1356 EA 2" Wye, Steel, Grooved.....	225.07	24.02
For Galvanized Fittings, Add	30.26	
23 21 13 23-1357 EA 2-1/2" Wye, Steel, Grooved	233.24	29.41
For Galvanized Fittings, Add	30.26	
23 21 13 23-1358 EA 3" Wye, Steel, Grooved.....	280.20	36.14
For Galvanized Fittings, Add	36.17	
23 21 13 23-1359 EA 4" Wye, Steel, Grooved.....	366.17	46.77
For Galvanized Fittings, Add	47.37	
23 21 13 23-1360 EA 5" Wye, Steel, Grooved.....	516.04	61.14
For Galvanized Fittings, Add	67.90	
23 21 13 23-1361 EA 6" Wye, Steel, Grooved.....	639.72	76.48
For Galvanized Fittings, Add	84.01	
23 21 13 23-1362 EA 8" Wye, Steel, Grooved.....	895.47	92.87
For Galvanized Fittings, Add	121.00	
23 21 13 23-1363 EA 10" Wye, Steel, Grooved.....	1,467.69	108.29
For Galvanized Fittings, Add	208.85	
23 21 13 23-1364 EA 12" Wye, Steel, Grooved.....	1,636.94	129.99
For Galvanized Fittings, Add	230.73	
23 21 13 23-1365 EA 14" Wye, Steel, Grooved.....	1,863.20	144.43
For Galvanized Fittings, Add	263.47	
23 21 13 23-1366 EA 16" Wye, Steel, Grooved.....	2,356.35	145.11
For Galvanized Fittings, Add	342.21	
23 21 13 23-1367 EA 18" Wye, Steel, Grooved.....	2,687.01	160.38
For Galvanized Fittings, Add	391.44	
23 21 13 23-1368 EA 20" Wye, Steel, Grooved.....	3,791.91	162.47
For Galvanized Fittings, Add	567.73	
23 21 13 23-1369 EA 24" Wye, Steel, Grooved.....	5,816.43	199.96
For Galvanized Fittings, Add	882.66	
23 21 13 23-1370 Grooved Crosses (23 21 13 23-1332)		
Note: Victaulic No. 35		
23 21 13 23-1371 EA 3/4" Cross, Steel, Grooved	146.56	16.09
For Galvanized Fittings, Add	18.36	
23 21 13 23-1372 EA 1" Cross, Steel, Grooved	150.22	18.56
For Galvanized Fittings, Add	18.36	
23 21 13 23-1373 EA 1-1/4" Cross, Steel, Grooved.....	181.74	22.67
For Galvanized Fittings, Add	22.17	
23 21 13 23-1374 EA 1-1/2" Cross, Steel, Grooved.....	200.91	27.84
For Galvanized Fittings, Add	23.88	
23 21 13 23-1375 EA 2" Cross, Steel, Grooved	143.93	36.00
For Galvanized Fittings, Add	13.50	
23 21 13 23-1376 EA 2-1/2" Cross, Steel, Grooved.....	156.18	44.15
For Galvanized Fittings, Add	13.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1377 EA 3" Cross, Steel, Grooved	242.94	54.18
For Galvanized Fittings, Add	24.25	
23 21 13 23-1378 EA 4" Cross, Steel, Grooved	374.31	70.12
For Galvanized Fittings, Add	40.37	
23 21 13 23-1379 EA 5" Cross, Steel, Grooved	687.36	91.67
For Galvanized Fittings, Add	82.48	
23 21 13 23-1380 EA 6" Cross, Steel, Grooved	879.43	114.72
For Galvanized Fittings, Add	106.12	
23 21 13 23-1381 EA 8" Cross, Steel, Grooved	1,140.54	139.27
For Galvanized Fittings, Add	139.76	
23 21 13 23-1382 EA 10" Cross, Steel, Grooved	1,832.73	162.47
For Galvanized Fittings, Add	238.37	
23 21 13 23-1383 EA 12" Cross, Steel, Grooved	2,585.56	195.02
For Galvanized Fittings, Add	343.98	
23 21 13 23-1384 EA 14" Cross, Steel, Grooved	2,700.71	216.65
For Galvanized Fittings, Add	356.39	
23 21 13 23-1385 EA 16" Cross, Steel, Grooved	3,434.74	217.92
For Galvanized Fittings, Add	466.21	
23 21 13 23-1386 EA 18" Cross, Steel, Grooved	4,170.02	240.30
For Galvanized Fittings, Add	571.46	
23 21 13 23-1387 EA 20" Cross, Steel, Grooved	5,763.25	244.04
For Galvanized Fittings, Add	809.60	
23 21 13 23-1388 EA 24" Cross, Steel, Grooved	8,782.04	299.95
For Galvanized Fittings, Add	1,249.85	
23 21 13 23-1389 Grooved Reducing Tees (23 21 13 23-1332)		
Note: Victaulic No. 25		
23 21 13 23-1390 EA 1" Reducing Tee, Steel, Grooved	105.00	12.35
For Galvanized Fittings, Add	17.30	
23 21 13 23-1391 EA 1-1/4" Reducing Tee, Steel, Grooved	111.83	15.12
For Galvanized Fittings, Add	17.84	
23 21 13 23-1392 EA 1-1/2" Reducing Tee, Steel, Grooved	119.21	18.56
For Galvanized Fittings, Add	18.28	
23 21 13 23-1393 EA 2" Reducing Tee, Steel, Grooved	142.99	24.02
For Galvanized Fittings, Add	21.40	
23 21 13 23-1394 EA 2-1/2" Reducing Tee, Steel, Grooved	162.17	29.41
For Galvanized Fittings, Add	23.61	
23 21 13 23-1395 EA 3" Reducing Tee, Steel, Grooved	183.36	36.14
For Galvanized Fittings, Add	25.84	
23 21 13 23-1396 EA 4" Reducing Tee, Steel, Grooved	244.34	46.77
For Galvanized Fittings, Add	34.85	
23 21 13 23-1397 EA 5" Reducing Tee, Steel, Grooved	321.73	61.14
For Galvanized Fittings, Add	46.01	
23 21 13 23-1398 EA 6" Reducing Tee, Steel, Grooved	438.29	76.48
For Galvanized Fittings, Add	64.73	
23 21 13 23-1399 EA 8" Reducing Tee, Steel, Grooved	673.23	92.87
For Galvanized Fittings, Add	106.80	
23 21 13 23-1400 EA 10" Reducing Tee, Steel, Grooved	949.66	108.29
For Galvanized Fittings, Add	157.45	
23 21 13 23-1401 EA 12" Reducing Tee, Steel, Grooved	1,356.22	129.99
For Galvanized Fittings, Add	232.27	
23 21 13 23-1402 EA 14" Reducing Tee, Steel, Grooved	1,535.56	144.43
For Galvanized Fittings, Add	263.80	
23 21 13 23-1403 EA 16" Reducing Tee, Steel, Grooved	1,931.18	145.26
For Galvanized Fittings, Add	342.68	
23 21 13 23-1404 EA 18" Reducing Tee, Steel, Grooved	2,337.77	160.23
For Galvanized Fittings, Add	419.52	
23 21 13 23-1405 EA 20" Reducing Tee, Steel, Grooved	3,243.88	162.69
For Galvanized Fittings, Add	599.99	
23 21 13 23-1406 EA 24" Reducing Tee, Steel, Grooved	5,132.13	199.96
For Galvanized Fittings, Add	966.46	
23 21 13 23-1407 Grooved 45 Degree Lateral Wyes (23 21 13 23-1332)		
Note: Victaulic No. 30		
23 21 13 23-1408 EA 3/4" 45 Degree Lateral Wye, Steel, Grooved	195.17	10.70
For Galvanized Fittings, Add	32.23	
23 21 13 23-1409 EA 1" 45 Degree Lateral Wye, Steel, Grooved	197.60	12.35
For Galvanized Fittings, Add	32.23	
23 21 13 23-1410 EA 1-1/4" 45 Degree Lateral Wye, Steel, Grooved	201.72	15.12
For Galvanized Fittings, Add	32.23	
23 21 13 23-1411 EA 1-1/2" 45 Degree Lateral Wye, Steel, Grooved	206.87	18.56
For Galvanized Fittings, Add	32.23	
23 21 13 23-1412 EA 2" 45 Degree Lateral Wye, Steel, Grooved	215.05	24.02
For Galvanized Fittings, Add	32.23	
23 21 13 23-1413 EA 2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	223.22	29.41
For Galvanized Fittings, Add	32.23	
23 21 13 23-1414 EA 3" Wye, 45 Degree Lateral, Steel, Grooved	208.87	36.14
For Galvanized Fittings, Add	27.85	
23 21 13 23-1415 EA 3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	324.56	41.68
For Galvanized Fittings, Add	47.18	
23 21 13 23-1416 EA 4" 45 Degree Lateral Wye, Steel, Grooved	375.21	46.77
For Galvanized Fittings, Add	54.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1417 EA 5" 45 Degree Lateral Wye, Steel, Grooved.....	537.57	61.14
For Galvanized Fittings, Add	80.26	
23 21 13 23-1418 EA 6" 45 Degree Lateral Wye, Steel, Grooved.....	833.08	76.48
For Galvanized Fittings, Add	129.32	
23 21 13 23-1419 EA 8" 45 Degree Lateral Wye, Steel, Grooved.....	1,174.02	92.87
For Galvanized Fittings, Add	186.27	
23 21 13 23-1420 EA 10" 45 Degree Lateral Wye, Steel, Grooved.....	1,623.01	108.29
For Galvanized Fittings, Add	262.91	
23 21 13 23-1421 EA 12" 45 Degree Lateral Wye, Steel, Grooved.....	1,960.84	129.99
For Galvanized Fittings, Add	317.87	
23 21 13 23-1422 EA 14" 45 Degree Lateral Wye, Steel, Grooved.....	2,794.06	144.43
For Galvanized Fittings, Add	463.95	
23 21 13 23-1423 EA 16" 45 Degree Lateral Wye, Steel, Grooved.....	3,437.81	145.26
For Galvanized Fittings, Add	579.60	
23 21 13 23-1424 EA 18" 45 Degree Lateral Wye, Steel, Grooved.....	3,839.74	160.23
For Galvanized Fittings, Add	647.92	
23 21 13 23-1425 EA 20" 45 Degree Lateral Wye, Steel, Grooved.....	5,703.89	162.69
For Galvanized Fittings, Add	982.79	
23 21 13 23-1426 EA 24" 45 Degree Lateral Wye, Steel, Grooved.....	8,784.20	199.96
For Galvanized Fittings, Add	1,527.19	
23 21 13 23-1427 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1332)		
Note: Victaulic No. 30R		
23 21 13 23-1428 EA 3" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	208.87	36.14
For Galvanized Fittings, Add	20.11	
23 21 13 23-1429 EA 4" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	375.21	46.77
For Galvanized Fittings, Add	39.66	
23 21 13 23-1430 EA 5" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	537.57	61.14
For Galvanized Fittings, Add	57.97	
23 21 13 23-1431 EA 6" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	690.75	76.48
For Galvanized Fittings, Add	74.89	
23 21 13 23-1432 EA 8" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	970.88	92.87
For Galvanized Fittings, Add	108.12	
23 21 13 23-1433 EA 10" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	1,180.97	108.29
For Galvanized Fittings, Add	132.41	
23 21 13 23-1434 EA 12" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	1,432.70	129.99
For Galvanized Fittings, Add	160.92	
23 21 13 23-1435 EA 14" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	1,603.20	144.43
For Galvanized Fittings, Add	180.27	
23 21 13 23-1436 EA 16" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	2,010.18	145.26
For Galvanized Fittings, Add	233.01	
23 21 13 23-1437 EA 18" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	2,992.36	160.23
For Galvanized Fittings, Add	357.79	
23 21 13 23-1438 EA 20" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	4,272.42	162.69
For Galvanized Fittings, Add	523.71	
23 21 13 23-1439 EA 24" 45 Degree Lateral Reducing Wye, Steel, Grooved.....	6,822.11	199.96
For Galvanized Fittings, Add	847.90	
23 21 13 23-1440 Mechanical-T Outlet (23 21 13 23-1332)		
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1441 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	83.66	26.94
For Galvanized Fittings, Add	7.39	
23 21 13 23-1442 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	83.66	26.94
For Galvanized Fittings, Add	7.39	
23 21 13 23-1443 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	88.31	26.94
For Galvanized Fittings, Add	8.54	
23 21 13 23-1444 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	88.31	26.94
23 21 13 23-1445 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	90.40	30.31
23 21 13 23-1446 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	90.40	30.31
23 21 13 23-1447 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	102.68	30.31
23 21 13 23-1448 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	101.65	33.67
23 21 13 23-1449 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	101.65	33.67
23 21 13 23-1450 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	111.54	33.67
23 21 13 23-1451 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	111.54	33.67
23 21 13 23-1452 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	118.30	33.67
23 21 13 23-1453 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	133.53	44.90
23 21 13 23-1454 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	133.53	44.90
23 21 13 23-1455 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	141.24	44.90
23 21 13 23-1456 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	143.41	44.90
23 21 13 23-1457 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	143.41	44.90
23 21 13 23-1458 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	145.57	44.90
23 21 13 23-1459 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	149.72	44.90
23 21 13 23-1460 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	189.32	61.74
23 21 13 23-1461 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	189.32	61.74
23 21 13 23-1462 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	193.06	61.74
23 21 13 23-1463 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	197.75	61.74
23 21 13 23-1464 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	224.52	78.58
23 21 13 23-1465 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	224.52	78.58
23 21 13 23-1466 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	230.03	78.58
23 21 13 23-1467 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	234.67	78.58
23 21 13 23-1468 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	242.93	78.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1469 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	327.26	104.02
23 21 13 23-1470 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	327.26	104.02
23 21 13 23-1471 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	333.89	104.02
23 21 13 23-1472 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	337.82	104.02
23 21 13 23-1473 Grooved Fittings (23 21 13 23-1246)		
23 21 13 23-1474 Flanged Adapter Nipple, Grooved (23 21 13 23-1473)		
Note: Victaulic No. 41 and 45		
23 21 13 23-1475 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	139.50	8.98
For Galvanized Fittings, Add	22.69	
For 300 LB Rating, Add	18.90	
23 21 13 23-1476 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	141.00	9.95
For Galvanized Fittings, Add	22.69	
For 300 LB Rating, Add	18.90	
23 21 13 23-1477 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	144.74	12.50
For Galvanized Fittings, Add	22.69	
For 300 LB Rating, Add	18.90	
23 21 13 23-1478 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	152.61	17.74
For Galvanized Fittings, Add	22.69	
For 300 LB Rating, Add	18.90	
23 21 13 23-1479 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	158.23	21.48
For Galvanized Fittings, Add	22.69	
For 300 LB Rating, Add	18.90	
23 21 13 23-1480 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	199.70	25.67
For Galvanized Fittings, Add	29.03	
For 300 LB Rating, Add	24.19	
23 21 13 23-1481 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	244.13	34.57
For Galvanized Fittings, Add	34.62	
For 300 LB Rating, Add	28.85	
23 21 13 23-1482 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	337.54	41.83
For Galvanized Fittings, Add	49.47	
For 300 LB Rating, Add	41.22	
23 21 13 23-1483 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	398.28	56.50
For Galvanized Fittings, Add	56.44	
For 300 LB Rating, Add	47.03	
23 21 13 23-1484 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	547.44	76.48
For Galvanized Fittings, Add	77.90	
For 300 LB Rating, Add	64.92	
23 21 13 23-1485 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	845.48	92.87
For Galvanized Fittings, Add	127.13	
For 300 LB Rating, Add	105.94	
23 21 13 23-1486 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,128.09	108.29
For Galvanized Fittings, Add	173.82	
For 300 LB Rating, Add	144.85	
23 21 13 23-1487 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,333.70	129.99
For Galvanized Fittings, Add	204.99	
For 300 LB Rating, Add	170.82	
23 21 13 23-1488 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,970.34	144.43
For Galvanized Fittings, Add	315.68	
For 300 LB Rating, Add	263.07	
23 21 13 23-1489 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,384.79	216.65
For Galvanized Fittings, Add	370.80	
For 300 LB Rating, Add	309.00	
23 21 13 23-1490 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,536.94	259.98
For Galvanized Fittings, Add	386.49	
For 300 LB Rating, Add	322.08	
23 21 13 23-1491 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,137.20	288.87
For Galvanized Fittings, Add	666.74	
For 300 LB Rating, Add	555.62	
23 21 13 23-1492 Grooved Concentric Reducers (23 21 13 23-1473)		
Note: Victaulic No. 50		
23 21 13 23-1493 EA 1-1/4" x 3/4" Concentric Reducer, Grooved.....	147.89	8.98
For Galvanized Fittings, Add	5.91	
23 21 13 23-1494 EA 1-1/4" x 1" Concentric Reducer, Grooved.....	154.70	9.51
For Galvanized Fittings, Add	6.18	
23 21 13 23-1495 EA 1-1/2" x 3/4" Concentric Reducer, Grooved.....	174.00	10.25
For Galvanized Fittings, Add	19.07	
23 21 13 23-1496 EA 1-1/2" x 1" Concentric Reducer, Grooved.....	50.07	10.70
For Galvanized Fittings, Add	4.08	
23 21 13 23-1497 EA 1-1/2" x 1-1/4" Concentric Reducer, Grooved.....	148.35	11.22
For Galvanized Fittings, Add	15.81	
23 21 13 23-1498 EA 2" x 3/4" Concentric Reducer, Grooved.....	52.31	12.20
For Galvanized Fittings, Add	4.08	
23 21 13 23-1499 EA 2" x 1" Concentric Reducer, Grooved.....	53.07	12.72
For Galvanized Fittings, Add	4.08	
23 21 13 23-1500 EA 2" x 1-1/4" Concentric Reducer, Grooved.....	57.22	13.25
For Galvanized Fittings, Add	4.49	
23 21 13 23-1501 EA 2" x 1-1/2" Concentric Reducer, Grooved.....	56.10	14.75
For Galvanized Fittings, Add	4.08	
23 21 13 23-1502 EA 2-1/2" x 3/4" Concentric Reducer, Grooved.....	297.17	13.77
For Galvanized Fittings, Add	33.24	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1503	EA	2-1/2" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	238.30 26.07	14.29
23 21	13 23-1504	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	218.48 23.60	14.75
23 21	13 23-1505	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	58.30 4.08	16.24
23 21	13 23-1506	EA	2-1/2" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	61.30 4.08	18.18
23 21	13 23-1507	EA	3" x 3/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	302.30 42.30	16.02
23 21	13 23-1508	EA	3" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	62.18 5.70	16.46
23 21	13 23-1509	EA	3" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	240.99 32.77	16.99
23 21	13 23-1510	EA	3" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	227.63 30.45	18.18
23 21	13 23-1511	EA	3" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	60.11 4.53	20.21
23 21	13 23-1512	EA	3" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	77.18 6.24	24.09
23 21	13 23-1513	EA	3-1/2" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	82.67 6.65	25.97
23 21	13 23-1514	EA	4" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	75.79 7.74	20.43
23 21	13 23-1515	EA	4" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	388.03 61.16	20.95
23 21	13 23-1516	EA	4" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	305.93 46.75	22.23
23 21	13 23-1517	EA	4" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	75.98 6.81	24.25
23 21	13 23-1518	EA	4" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	88.65 8.53	25.97
23 21	13 23-1519	EA	4" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	91.64 8.53	27.99
23 21	13 23-1520	EA	4" x 3-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	94.63 8.53	29.94
23 21	13 23-1521	EA	5" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	544.12 86.06	28.21
23 21	13 23-1522	EA	5" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	434.26 66.78	29.94
23 21	13 23-1523	EA	5" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	106.11 9.98	31.95
23 21	13 23-1524	EA	5" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	123.41 11.92	35.92
23 21	13 23-1525	EA	6" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	138.11 17.25	30.46
23 21	13 23-1526	EA	6" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	575.91 98.46	32.18
23 21	13 23-1527	EA	6" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	143.72 17.25	34.20
23 21	13 23-1528	EA	6" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	584.54 99.02	35.92
23 21	13 23-1529	EA	6" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	149.34 17.25	37.94
23 21	13 23-1530	EA	6" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	143.38 15.03	41.91
23 21	13 23-1531	EA	6" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	187.98 22.23	45.95
23 21	13 23-1532	EA	8" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	229.56 30.83	42.96
23 21	13 23-1533	EA	8" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	235.55 30.83	46.92
23 21	13 23-1534	EA	8" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	241.54 30.83	50.89
23 21	13 23-1535	EA	8" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	296.00 39.31	56.87
23 21	13 23-1536	EA	10" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	471.56 73.40	52.16
23 21	13 23-1537	EA	10" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	951.29 161.80	56.13
23 21	13 23-1538	EA	10" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	523.32 80.27	62.12
23 21	13 23-1539	EA	10" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	530.79 80.27	67.12
23 21	13 23-1540	EA	12" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,391.17 195.32	59.42
23 21	13 23-1541	EA	12" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	617.05 76.96	69.37
23 21	13 23-1542	EA	12" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	882.18 115.60	74.39
23 21	13 23-1543	EA	12" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	890.07 115.60	79.62
23 21	13 23-1544	EA	14" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,727.00 80.28	74.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1545 EA 14" x 8" Concentric Reducer, Grooved	1,654.47	79.78
For Galvanized Fittings, Add	47.12	
23 21 13 23-1546 EA 14" x 10" Concentric Reducer, Grooved	1,423.38	85.01
For Galvanized Fittings, Add	39.79	
23 21 13 23-1547 EA 14" x 12" Concentric Reducer, Grooved	1,434.22	92.20
For Galvanized Fittings, Add	39.79	
23 21 13 23-1548 EA 16" x 8" Concentric Reducer, Grooved	2,492.44	85.08
For Galvanized Fittings, Add	72.60	
23 21 13 23-1549 EA 16" x 10" Concentric Reducer, Grooved	2,321.89	90.32
For Galvanized Fittings, Add	67.12	
23 21 13 23-1550 EA 16" x 12" Concentric Reducer, Grooved	2,157.83	97.58
For Galvanized Fittings, Add	61.75	
23 21 13 23-1551 EA 16" x 14" Concentric Reducer, Grooved	2,165.91	102.97
For Galvanized Fittings, Add	61.75	
23 21 13 23-1552 EA 18" x 10" Concentric Reducer, Grooved	3,230.30	95.34
For Galvanized Fittings, Add	94.78	
23 21 13 23-1553 EA 18" x 12" Concentric Reducer, Grooved	2,937.48	102.52
For Galvanized Fittings, Add	85.46	
23 21 13 23-1554 EA 18" x 14" Concentric Reducer, Grooved	2,681.95	107.91
For Galvanized Fittings, Add	77.37	
23 21 13 23-1555 EA 18" x 16" Concentric Reducer, Grooved	2,690.04	113.38
For Galvanized Fittings, Add	77.37	
23 21 13 23-1556 EA 20" x 10" Concentric Reducer, Grooved	3,549.93	97.81
For Galvanized Fittings, Add	104.48	
23 21 13 23-1557 EA 20" x 12" Concentric Reducer, Grooved	3,059.06	105.07
For Galvanized Fittings, Add	89.08	
23 21 13 23-1558 EA 20" x 14" Concentric Reducer, Grooved	3,067.14	110.46
For Galvanized Fittings, Add	89.08	
23 21 13 23-1559 EA 20" x 16" Concentric Reducer, Grooved	2,747.75	115.78
For Galvanized Fittings, Add	79.03	
23 21 13 23-1560 EA 20" x 18" Concentric Reducer, Grooved	2,926.17	120.78
For Galvanized Fittings, Add	84.27	
23 21 13 23-1561 EA 24" x 10" Concentric Reducer, Grooved	7,746.92	108.82
For Galvanized Fittings, Add	232.82	
23 21 13 23-1562 EA 24" x 12" Concentric Reducer, Grooved	7,574.68	116.07
For Galvanized Fittings, Add	227.20	
23 21 13 23-1563 EA 24" x 14" Concentric Reducer, Grooved	6,616.31	121.39
For Galvanized Fittings, Add	197.53	
23 21 13 23-1564 EA 24" x 16" Concentric Reducer, Grooved	6,624.45	126.85
For Galvanized Fittings, Add	197.53	
23 21 13 23-1565 EA 24" x 18" Concentric Reducer, Grooved	5,689.62	131.78
For Galvanized Fittings, Add	168.61	
23 21 13 23-1566 EA 24" x 20" Concentric Reducer, Grooved	5,206.96	134.33
For Galvanized Fittings, Add	153.67	
23 21 13 23-1567 Grooved Eccentric Reducers <small>(23 21 13 23-1473)</small>		
Note: Victaulic No. 51		
23 21 13 23-1568 EA 1-1/2" x 3/4" Eccentric Reducer, Grooved	179.48	10.25
For Galvanized Fittings, Add	19.73	
23 21 13 23-1569 EA 1-1/2" x 1" Eccentric Reducer, Grooved	164.25	10.70
For Galvanized Fittings, Add	17.81	
23 21 13 23-1570 EA 1-1/2" x 1-1/4" Eccentric Reducer, Grooved	161.77	11.22
For Galvanized Fittings, Add	17.42	
23 21 13 23-1571 EA 2" x 3/4" Eccentric Reducer, Grooved	337.27	12.20
For Galvanized Fittings, Add	38.34	
23 21 13 23-1572 EA 2" x 1" Eccentric Reducer, Grooved	182.69	12.72
For Galvanized Fittings, Add	19.66	
23 21 13 23-1573 EA 2" x 1-1/4" Eccentric Reducer, Grooved	199.18	13.25
For Galvanized Fittings, Add	21.56	
23 21 13 23-1574 EA 2" x 1-1/2" Eccentric Reducer, Grooved	172.25	14.75
For Galvanized Fittings, Add	18.05	
23 21 13 23-1575 EA 2-1/2" x 3/4" Eccentric Reducer, Grooved	436.98	13.77
For Galvanized Fittings, Add	50.04	
23 21 13 23-1576 EA 2-1/2" x 1" Eccentric Reducer, Grooved	409.26	14.29
For Galvanized Fittings, Add	46.62	
23 21 13 23-1577 EA 2-1/2" x 1-1/4" Eccentric Reducer, Grooved	247.39	14.75
For Galvanized Fittings, Add	27.08	
23 21 13 23-1578 EA 2-1/2" x 1-1/2" Eccentric Reducer, Grooved	202.82	16.24
For Galvanized Fittings, Add	21.46	
23 21 13 23-1579 EA 2-1/2" x 2" Eccentric Reducer, Grooved	99.22	18.18
For Galvanized Fittings, Add	8.64	
23 21 13 23-1580 EA 3" x 1" Eccentric Reducer, Grooved	440.72	16.46
For Galvanized Fittings, Add	50.01	
23 21 13 23-1581 EA 3" x 1-1/4" Eccentric Reducer, Grooved	402.07	16.99
For Galvanized Fittings, Add	45.27	
23 21 13 23-1582 EA 3" x 1-1/2" Eccentric Reducer, Grooved	233.78	18.18
For Galvanized Fittings, Add	24.82	
23 21 13 23-1583 EA 3" x 2" Eccentric Reducer, Grooved	112.94	20.21
For Galvanized Fittings, Add	9.93	
23 21 13 23-1584 EA 3" x 2-1/2" Eccentric Reducer, Grooved	118.74	24.09
For Galvanized Fittings, Add	9.93	
23 21 13 23-1585 EA 3-1/2" x 3" Eccentric Reducer, Grooved	496.04	25.97
For Galvanized Fittings, Add	54.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1586	EA	4" x 1" Eccentric Reducer, Grooved.....	874.02	20.43
			<i>For Galvanized Fittings, Add</i>	144.63	
23 21	13 23-1587	EA	4" x 1-1/2" Eccentric Reducer, Grooved	543.36	22.23
			<i>For Galvanized Fittings, Add</i>	87.47	
23 21	13 23-1588	EA	4" x 2" Eccentric Reducer, Grooved.....	137.33	24.25
			<i>For Galvanized Fittings, Add</i>	17.33	
23 21	13 23-1589	EA	4" x 2-1/2" Eccentric Reducer, Grooved	139.95	25.97
			<i>For Galvanized Fittings, Add</i>	17.33	
23 21	13 23-1590	EA	4" x 3" Eccentric Reducer, Grooved.....	142.94	27.99
			<i>For Galvanized Fittings, Add</i>	17.33	
23 21	13 23-1591	EA	5" x 2" Eccentric Reducer, Grooved.....	604.71	28.21
			<i>For Galvanized Fittings, Add</i>	96.46	
23 21	13 23-1592	EA	5" x 2-1/2" Eccentric Reducer, Grooved	524.07	29.94
			<i>For Galvanized Fittings, Add</i>	82.18	
23 21	13 23-1593	EA	5" x 3" Eccentric Reducer, Grooved.....	510.73	31.95
			<i>For Galvanized Fittings, Add</i>	79.38	
23 21	13 23-1594	EA	5" x 4" Eccentric Reducer, Grooved.....	191.50	35.92
			<i>For Galvanized Fittings, Add</i>	23.60	
23 21	13 23-1595	EA	6" x 1" Eccentric Reducer, Grooved.....	919.96	30.46
			<i>For Galvanized Fittings, Add</i>	163.15	
23 21	13 23-1596	EA	6" x 2" Eccentric Reducer, Grooved.....	848.60	34.20
			<i>For Galvanized Fittings, Add</i>	148.78	
23 21	13 23-1597	EA	6" x 2-1/2" Eccentric Reducer, Grooved	1,003.34	35.92
			<i>For Galvanized Fittings, Add</i>	177.17	
23 21	13 23-1598	EA	6" x 3" Eccentric Reducer, Grooved.....	240.09	37.94
			<i>For Galvanized Fittings, Add</i>	34.19	
23 21	13 23-1599	EA	6" x 4" Eccentric Reducer, Grooved.....	223.23	41.91
			<i>For Galvanized Fittings, Add</i>	29.93	
23 21	13 23-1600	EA	6" x 5" Eccentric Reducer, Grooved.....	261.23	45.95
			<i>For Galvanized Fittings, Add</i>	35.90	
			<i>For Galvanized Fittings, Add</i>	29.03	
23 21	13 23-1601	EA	8" x 3" Eccentric Reducer, Grooved.....	990.77	42.96
			<i>For Galvanized Fittings, Add</i>	172.87	
			<i>For Galvanized Fittings, Add</i>	139.80	
23 21	13 23-1602	EA	8" x 4" Eccentric Reducer, Grooved.....	879.98	46.92
			<i>For Galvanized Fittings, Add</i>	151.08	
			<i>For Galvanized Fittings, Add</i>	122.17	
23 21	13 23-1603	EA	8" x 5" Eccentric Reducer, Grooved.....	830.13	50.89
			<i>For Galvanized Fittings, Add</i>	140.66	
			<i>For Galvanized Fittings, Add</i>	113.75	
23 21	13 23-1604	EA	8" x 6" Eccentric Reducer, Grooved.....	410.49	56.87
			<i>For Galvanized Fittings, Add</i>	60.68	
			<i>For Galvanized Fittings, Add</i>	49.07	
23 21	13 23-1605	EA	10" x 4" Eccentric Reducer, Grooved.....	1,563.91	52.16
			<i>For Galvanized Fittings, Add</i>	277.23	
			<i>For Galvanized Fittings, Add</i>	224.19	
23 21	13 23-1606	EA	10" x 5" Eccentric Reducer, Grooved.....	1,483.95	56.13
			<i>For Galvanized Fittings, Add</i>	261.19	
			<i>For Galvanized Fittings, Add</i>	211.22	
23 21	13 23-1607	EA	10" x 6" Eccentric Reducer, Grooved.....	1,148.72	62.12
			<i>For Galvanized Fittings, Add</i>	196.97	
			<i>For Galvanized Fittings, Add</i>	159.28	
23 21	13 23-1608	EA	10" x 8" Eccentric Reducer, Grooved.....	994.03	67.12
			<i>For Galvanized Fittings, Add</i>	166.71	
			<i>For Galvanized Fittings, Add</i>	134.81	
23 21	13 23-1609	EA	12" x 4" Eccentric Reducer, Grooved.....	1,599.74	59.42
			<i>For Galvanized Fittings, Add</i>	227.96	
23 21	13 23-1610	EA	12" x 6" Eccentric Reducer, Grooved.....	1,514.12	69.37
			<i>For Galvanized Fittings, Add</i>	212.79	
23 21	13 23-1611	EA	12" x 8" Eccentric Reducer, Grooved.....	1,485.54	74.39
			<i>For Galvanized Fittings, Add</i>	207.34	
23 21	13 23-1612	EA	12" x 10" Eccentric Reducer, Grooved.....	1,350.12	79.62
			<i>For Galvanized Fittings, Add</i>	185.72	
23 21	13 23-1613	EA	14" x 6" Eccentric Reducer, Grooved.....	3,670.08	74.76
			<i>For Galvanized Fittings, Add</i>	109.23	
23 21	13 23-1614	EA	14" x 8" Eccentric Reducer, Grooved.....	2,394.31	79.78
			<i>For Galvanized Fittings, Add</i>	69.83	
23 21	13 23-1615	EA	14" x 10" Eccentric Reducer, Grooved.....	2,292.80	85.01
			<i>For Galvanized Fittings, Add</i>	66.48	
23 21	13 23-1616	EA	14" x 12" Eccentric Reducer, Grooved.....	2,303.64	92.20
			<i>For Galvanized Fittings, Add</i>	66.48	
23 21	13 23-1617	EA	16" x 8" Eccentric Reducer, Grooved.....	4,056.96	85.08
			<i>For Galvanized Fittings, Add</i>	120.63	
23 21	13 23-1618	EA	16" x 10" Eccentric Reducer, Grooved.....	3,766.48	90.32
			<i>For Galvanized Fittings, Add</i>	111.47	
23 21	13 23-1619	EA	16" x 12" Eccentric Reducer, Grooved.....	3,558.12	97.58
			<i>For Galvanized Fittings, Add</i>	104.74	
23 21	13 23-1620	EA	16" x 14" Eccentric Reducer, Grooved.....	3,566.20	102.97
			<i>For Galvanized Fittings, Add</i>	104.74	
23 21	13 23-1621	EA	18" x 10" Eccentric Reducer, Grooved.....	5,081.44	95.34
			<i>For Galvanized Fittings, Add</i>	151.61	
23 21	13 23-1622	EA	18" x 12" Eccentric Reducer, Grooved.....	4,791.00	102.52
			<i>For Galvanized Fittings, Add</i>	142.36	
23 21	13 23-1623	EA	18" x 14" Eccentric Reducer, Grooved.....	4,375.01	107.91
			<i>For Galvanized Fittings, Add</i>	129.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1624 EA 18" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,383.10 129.34	113.88
23 21 13 23-1625 EA 20" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,654.42 199.79	97.81
23 21 13 23-1626 EA 20" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,971.24 147.78	105.07
23 21 13 23-1627 EA 20" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,678.38 138.54	110.46
23 21 13 23-1628 EA 20" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,613.34 136.30	115.78
23 21 13 23-1629 EA 20" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,450.79 131.08	120.78
23 21 13 23-1630 EA 24" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	9,594.89 289.22	116.07
23 21 13 23-1631 EA 24" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,211.26 246.50	121.39
23 21 13 23-1632 EA 24" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,219.40 246.50	126.85
23 21 13 23-1633 EA 24" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,771.05 232.51	131.78
23 21 13 23-1634 EA 24" x 20" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,112.58 212.17	134.33
23 21 13 23-1635 Grooved Couplings <small>(23 21 13 23-1246)</small>		
23 21 13 23-1636 Flexible Grooved Coupling <small>(23 21 13 23-1635)</small>		
<i>Note: Victaulic Style 77</i>		
23 21 13 23-1637 EA 3/4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	30.01 6.69	4.04
23 21 13 23-1638 EA 1" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	30.01 6.69	4.04
23 21 13 23-1639 EA 1-1/4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	39.44 8.90	5.09
23 21 13 23-1640 EA 1-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	43.88 9.73	6.06
23 21 13 23-1641 EA 2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	48.95 10.28	8.16
23 21 13 23-1642 EA 2-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	58.85 12.31	9.95
23 21 13 23-1643 EA 3" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	61.74 12.31	11.90
23 21 13 23-1644 EA 3-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	91.72 19.83	13.92
23 21 13 23-1645 EA 4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	94.64 19.83	15.86
23 21 13 23-1646 EA 5" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	138.36 30.40	19.90
23 21 13 23-1647 EA 6" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	167.31 35.93	25.97
23 21 13 23-1648 EA 8" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	255.60 58.57	30.98
23 21 13 23-1649 EA 10" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	403.34 97.34	37.12
23 21 13 23-1650 EA 12" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	456.74 110.84	40.63
23 21 13 23-1651 EA 14" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	562.09 134.65	54.18
23 21 13 23-1652 EA 16" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	728.20 176.61	65.03
23 21 13 23-1653 EA 18" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	846.98 206.84	72.22
23 21 13 23-1654 EA 20" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,283.92 325.39	81.27
23 21 13 23-1655 EA 24" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,424.35 356.84	99.98
23 21 13 23-1656 Zero-Flex® Rigid Coupling <small>(23 21 13 23-1635)</small>		
<i>Note: Victaulic Style 07</i>		
23 21 13 23-1657 EA 1" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	39.35 8.14	4.04
23 21 13 23-1658 EA 1-1/4" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	40.89 8.14	5.09
23 21 13 23-1659 EA 1-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	42.37 8.14	6.06
23 21 13 23-1660 EA 2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	46.32 8.35	8.16
23 21 13 23-1661 EA 2-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	54.20 9.63	9.95
23 21 13 23-1662 EA 3" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	57.09 9.63	11.90
23 21 13 23-1663 EA 3-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	66.83 11.25	13.92

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1664 EA 4" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	88.91 15.94	15.86
23 21 13 23-1665 EA 5" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	114.32 20.71	19.90
23 21 13 23-1666 EA 6" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	151.96 27.68	25.97
23 21 13 23-1667 EA 8" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	224.40 43.61	30.98
23 21 13 23-1668 EA 10" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	374.61 78.14	37.12
23 21 13 23-1669 EA 12" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	417.79 87.44	40.63
23 21 13 23-1670 EA 14" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	547.48 114.24	54.18
23 21 13 23-1671 EA 16" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	705.57 148.99	65.03
23 21 13 23-1672 EA 18" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	811.27 172.24	72.22
23 21 13 23-1673 EA 20" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	958.77 205.06	81.27
23 21 13 23-1674 EA 24" Rigid Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	1,382.72 302.04	99.98
23 21 13 23-1675 Large Diameter Grooved Coupling (23 21 13 23-1635) Note: Victaulic Style 770		
23 21 13 23-1676 EA 28" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	1,509.13 207.11	19.90
23 21 13 23-1677 EA 30" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	1,742.15 238.44	25.97
23 21 13 23-1678 EA 32" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	2,597.01 357.08	30.98
23 21 13 23-1679 EA 36" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	3,453.70 475.72	37.12
23 21 13 23-1680 EA 42" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	6,933.09 962.11	40.63
23 21 13 23-1681 Flexible Coupling (23 21 13 23-1635) Note: Victaulic Style 75		
23 21 13 23-1682 EA 1-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	39.35 7.74	6.06
23 21 13 23-1683 EA 2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	43.22 7.93	8.16
23 21 13 23-1684 EA 2-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	50.82 9.20	9.95
23 21 13 23-1685 EA 3" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	59.56 10.69	11.90
23 21 13 23-1686 EA 3-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	80.07 15.14	13.92
23 21 13 23-1687 EA 4" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	82.99 15.14	15.86
23 21 13 23-1688 EA 5" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	115.17 21.85	19.90
23 21 13 23-1689 EA 6" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	141.81 26.32	25.97
23 21 13 23-1690 EA 8" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	208.06 41.38	30.98
23 21 13 23-1691 Grooved Strainers And Suction Diffusers (23 21 13 23-1246)		
23 21 13 23-1692 Grooved Wye Strainers (23 21 13 23-1691) Note: Victaulic Style 732		
23 21 13 23-1693 EA 2" Wye Strainer, Grooved.....	546.22	16.46
23 21 13 23-1694 EA 2-1/2" Wye Strainer, Grooved.....	577.86	19.98
23 21 13 23-1695 EA 3" Wye Strainer, Grooved.....	651.67	23.94
23 21 13 23-1696 EA 4" Wye Strainer, Grooved.....	744.44	31.95
23 21 13 23-1697 EA 5" Wye Strainer, Grooved.....	1,068.91	39.96
23 21 13 23-1698 EA 6" Wye Strainer, Grooved.....	1,173.71	51.94
23 21 13 23-1699 EA 8" Wye Strainer, Grooved.....	1,772.65	61.89
23 21 13 23-1700 EA 10" Wye Strainer, Grooved.....	2,808.70	72.36
23 21 13 23-1701 EA 12" Wye Strainer, Grooved.....	4,847.36	86.89
23 21 13 23-1702 Grooved Tee Type Strainers (23 21 13 23-1691) Note: Victaulic Style 730		
23 21 13 23-1703 EA 1-1/2" Tee Type Strainer, Grooved.....	421.15	12.50
23 21 13 23-1704 EA 2" Tee Type Strainer, Grooved.....	539.78	16.46
23 21 13 23-1705 EA 2-1/2" Tee Type Strainer, Grooved.....	571.17	19.98
23 21 13 23-1706 EA 3" Tee Type Strainer, Grooved.....	644.11	23.94
23 21 13 23-1707 EA 4" Tee Type Strainer, Grooved.....	735.86	31.95
23 21 13 23-1708 EA 5" Tee Type Strainer, Grooved.....	1,056.43	39.96



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1709	EA	6" Tee Type Strainer, Grooved	1,160.25	51.94
23 21	13 23-	1710	EA	8" Tee Type Strainer, Grooved	1,751.81	61.89
23 21	13 23-	1711	EA	10" Tee Type Strainer, Grooved	2,544.98	72.36
23 21	13 23-	1712	EA	12" Tee Type Strainer, Grooved	3,266.64	86.89
23 21	13 23-	1713	EA	14" Tee Type Strainer, Grooved	11,327.04	97.81
23 21	13 23-	1714	EA	16" Tee Type Strainer, Grooved	14,057.89	108.29
23 21	13 23-	1715	EA	18" Tee Type Strainer, Grooved	18,453.98	118.31
23 21		13 23-		1716	Grooved Suction Diffuser (23 21 13 23-1691)	
Note: Victaulic Style 731						
23 21	13 23-	1717	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	1,097.32	18.48
23 21	13 23-	1718	EA	3" Grooved x 2" Flanged Suction Diffuser	1,165.79	20.43
23 21	13 23-	1719	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	852.23	23.94
23 21	13 23-	1720	EA	3" Grooved x 3" Flanged Suction Diffuser	865.88	25.97
23 21	13 23-	1721	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	935.68	25.97
23 21	13 23-	1722	EA	4" Grooved x 3" Flanged Suction Diffuser	1,009.42	27.99
23 21	13 23-	1723	EA	4" Grooved x 4" Flanged Suction Diffuser	1,162.72	27.99
23 21	13 23-	1724	EA	5" Grooved x 4" Flanged Suction Diffuser	1,302.89	35.92
23 21	13 23-	1725	EA	5" Grooved x 5" Flanged Suction Diffuser	1,369.26	37.94
23 21	13 23-	1726	EA	6" Grooved x 4" Flanged Suction Diffuser	1,394.55	41.91
23 21	13 23-	1727	EA	6" Grooved x 5" Flanged Suction Diffuser	1,661.89	45.95
23 21	13 23-	1728	EA	6" Grooved x 6" Flanged Suction Diffuser	1,727.39	48.94
23 21	13 23-	1729	EA	8" Grooved x 5" Flanged Suction Diffuser	1,773.18	50.89
23 21	13 23-	1730	EA	8" Grooved x 6" Flanged Suction Diffuser	1,874.63	56.87
23 21	13 23-	1731	EA	8" Grooved x 8" Flanged Suction Diffuser	3,171.99	61.89
23 21	13 23-	1732	EA	10" Grooved x 8" Flanged Suction Diffuser	3,575.12	66.90
23 21	13 23-	1733	EA	10" Grooved x 10" Flanged Suction Diffuser	4,290.78	69.37
23 21	13 23-	1734	EA	12" Grooved x 10" Flanged Suction Diffuser	5,075.22	79.85
23 21	13 23-	1735	EA	12" Grooved x 12" Flanged Suction Diffuser	7,020.47	84.86
23 21	13 23-	1736	EA	14" Grooved x 10" Flanged Suction Diffuser	6,542.77	84.86
23 21	13 23-	1737	EA	14" Grooved x 12" Flanged Suction Diffuser	7,304.65	92.35
23 21	13 23-	1738	EA	14" Grooved x 14" Flanged Suction Diffuser	8,848.92	97.81
23 21	13 23-	1739	EA	16" Grooved x 14" Flanged Suction Diffuser	9,112.51	102.82
23 21		13 23-		1740	Grooved Steel Valves (23 21 13 23-1246)	
23 21		13 23-		1741	Grooved Lug Type Butterfly Valves With Standard Trim (23 21 13 23-1740)	
23 21	13 23-	1742	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	199.79	8.16
23 21	13 23-	1743	EA	2" Butterfly Valve, Grooved, With Standard Trim	203.65	10.70
23 21	13 23-	1744	EA	3" Butterfly Valve, Grooved, With Standard Trim	334.19	15.86
23 21	13 23-	1745	EA	4" Butterfly Valve, Grooved, With Standard Trim	448.90	20.88
23 21	13 23-	1746	EA	6" Butterfly Valve, Grooved, With Standard Trim	980.15	34.20
23 21	13 23-	1747	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,358.30	48.12
23 21	13 23-	1748	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,040.01	65.03
23 21		13 23-		1749	Grooved Lug Type Butterfly Valves With Stainless Steel Trim (23 21 13 23-1740)	
23 21	13 23-	1750	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	300.27	8.16
23 21	13 23-	1751	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	304.13	10.70
23 21	13 23-	1752	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	470.40	15.86
23 21	13 23-	1753	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	598.50	20.88
23 21	13 23-	1754	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,145.38	34.20
23 21	13 23-	1755	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	1,903.11	48.12
23 21	13 23-	1756	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	3,000.13	65.03
23 21		13 23-		1757	Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1740)	
23 21	13 23-	1758	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	168.56	8.01
23 21	13 23-	1759	EA	2" Ball Valve, Grooved, With Standard Trim	193.07	11.00
23 21	13 23-	1760	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	440.94	13.47
23 21	13 23-	1761	EA	3" Ball Valve, Grooved, With Standard Trim	723.18	15.94
23 21	13 23-	1762	EA	4" Ball Valve, Grooved, With Standard Trim	1,126.26	20.95
23 21	13 23-	1763	EA	6" Ball Valve, Grooved, With Standard Trim	3,502.42	34.43
23 21		13 23-		1764	Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1740)	
23 21	13 23-	1765	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	179.56	8.01
23 21	13 23-	1766	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	307.30	11.00
23 21	13 23-	1767	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	801.14	13.47
23 21	13 23-	1768	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,036.04	15.94
23 21	13 23-	1769	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	1,415.37	20.95
23 21	13 23-	1770	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	3,860.67	34.43
23 21		13 23-		1771	Grooved Check Valves (23 21 13 23-1740)	
23 21	13 23-	1772	EA	2" Check Valve, Grooved	255.96	11.00
23 21	13 23-	1773	EA	2-1/2" Check Valve, Grooved	415.55	13.47
23 21	13 23-	1774	EA	3" Check Valve, Grooved	484.17	15.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1775 EA 4" Check Valve, Grooved.....	686.32	20.95
23 21 13 23-1776 Grooved Vic-Check Check Valves (23 21 13 23-1740)		
23 21 13 23-1777 EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	332.01	13.47
23 21 13 23-1778 EA 3" "Vic-Check" Check Valve, Grooved.....	335.64	15.94
23 21 13 23-1779 EA 4" "Vic-Check" Check Valve, Grooved.....	420.61	20.95
23 21 13 23-1780 EA 6" "Vic-Check" Check Valve, Grooved.....	820.08	34.43
23 21 13 23-1781 EA 8" "Vic-Check" Check Valve, Grooved.....	1,122.12	47.90
23 21 13 23-1782 EA 10" "Vic-Check" Check Valve, Grooved.....	3,137.41	64.88
23 21 13 23-1783 EA 12" "Vic-Check" Check Valve, Grooved.....	3,715.30	74.91
23 21 13 23-1784 Grooved Plug Valves With Lever Operator (23 21 13 23-1740)		
23 21 13 23-1785 EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	375.15	15.94
23 21 13 23-1786 EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	417.94	20.95
23 21 13 23-1787 EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	744.64	34.43
23 21 13 23-1788 Grooved Plug Valve With Gear Operator (23 21 13 23-1740)		
23 21 13 23-1789 EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	658.47	15.94
23 21 13 23-1790 EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	701.30	20.95
23 21 13 23-1791 EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,028.00	34.43
23 21 13 23-1792 EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,376.03	47.90
23 21 13 23-1793 EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,154.10	64.88
23 21 13 23-1794 EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,108.35	74.91
23 21 13 23-1795 Prepare Pipe For Groove (23 21 13 23-1246)		
23 21 13 23-1796 Cut Grooved Pipe (23 21 13 23-1795)		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1797 EA Cut 3/4" Groove.....	7.84	
23 21 13 23-1798 EA Cut 1" Groove.....	8.51	
23 21 13 23-1799 EA Cut 1-1/4" Groove.....	9.61	
23 21 13 23-1800 EA Cut 1-1/2" Groove.....	10.46	
23 21 13 23-1801 EA Cut 2" Groove.....	11.46	
23 21 13 23-1802 EA Cut 2-1/2" Groove.....	12.41	
23 21 13 23-1803 EA Cut 3" Groove.....	13.54	
23 21 13 23-1804 EA Cut 3-1/2" Groove.....	14.35	
23 21 13 23-1805 EA Cut 4" Groove.....	15.28	
23 21 13 23-1806 EA Cut 5" Groove.....	16.55	
23 21 13 23-1807 EA Cut 6" Groove.....	17.02	
23 21 13 23-1808 EA Cut 8" Groove.....	22.07	
23 21 13 23-1809 EA Cut 10" Groove.....	31.36	
23 21 13 23-1810 EA Cut 12" Groove.....	39.72	
23 21 13 23-1811 EA Cut 14" Groove.....	59.58	
23 21 13 23-1812 EA Cut 16" Groove.....	62.72	
23 21 13 23-1813 EA Cut 18" Groove.....	66.20	
23 21 13 23-1814 EA Cut 20" Groove.....	70.10	
23 21 13 23-1815 EA Cut 24" Groove.....	79.44	
23 21 13 23-1816 Roll Grooved Pipe (23 21 13 23-1795)		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1817 EA Roll 3/4" Groove.....	4.48	
23 21 13 23-1818 EA Roll 1" Groove.....	5.23	
23 21 13 23-1819 EA Roll 1-1/4" Groove.....	5.96	
23 21 13 23-1820 EA Roll 1-1/2" Groove.....	6.70	
23 21 13 23-1821 EA Roll 2" Groove.....	10.27	
23 21 13 23-1822 EA Roll 2-1/2" Groove.....	10.84	
23 21 13 23-1823 EA Roll 3" Groove.....	11.92	
23 21 13 23-1824 EA Roll 3-1/2" Groove.....	12.68	
23 21 13 23-1825 EA Roll 4" Groove.....	13.86	
23 21 13 23-1826 EA Roll 5" Groove.....	14.18	
23 21 13 23-1827 EA Roll 6" Groove.....	14.90	
23 21 13 23-1828 EA Roll 8" Groove.....	18.05	
23 21 13 23-1829 EA Roll 10" Groove.....	20.55	
23 21 13 23-1830 EA Roll 12" Groove.....	25.91	
23 21 13 23-1831 EA Roll 14" Groove.....	39.72	
23 21 13 23-1832 EA Roll 16" Groove.....	42.56	
23 21 13 23-1833 EA Roll 18" Groove.....	44.14	
23 21 13 23-1834 EA Roll 20" Groove.....	47.66	
23 21 13 23-1835 EA Roll 24" Groove.....	51.81	
23 21 13 23-1836 Standard Gaskets (23 21 13 23-1795)		
Note: For use on replacement of existing gaskets.		
23 21 13 23-1837 EA 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	20.36	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1838	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.98	
23 21	13 23-	1839	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.89	
23 21	13 23-	1840	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	23.95	
23 21	13 23-	1841	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.41	
23 21	13 23-	1842	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	28.80	
23 21	13 23-	1843	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	31.52	
23 21	13 23-	1844	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.09	
23 21	13 23-	1845	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.45	
23 21	13 23-	1846	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	49.62	
23 21	13 23-	1847	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	53.40	
23 21	13 23-	1848	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	72.77	
23 21	13 23-	1849	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	91.70	
23 21	13 23-	1850	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	107.83	
23 21	13 23-	1851	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	150.26	
23 21	13 23-	1852	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	202.17	
23 21	13 23-	1853	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	240.50	
23 21	13 23-	1854	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	359.55	
23 21	13 23-	1855	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	493.94	
23 21	13 23-	1856		Copper Grooved-Joint Pipe Fittings (23 21 13 23)		
				Note: Couplings are not included with fittings.		
23 21	13 23-	1857		Grooved Fittings (23 21 13 23-1856)		
23 21	13 23-	1858		Grooved 90 Degree Elbows (23 21 13 23-1857)		
23 21	13 23-	1859	EA	2" Copper 90 Degree Elbow, Grooved.....	44.09	12.20
23 21	13 23-	1860	EA	2-1/2" Copper 90 Degree Elbow, Grooved	51.19	14.89
23 21	13 23-	1861	EA	3" Copper 90 Degree Elbow, Grooved.....	66.40	18.04
23 21	13 23-	1862	EA	4" Copper 90 Degree Elbow, Grooved.....	118.57	23.80
23 21	13 23-	1863	EA	5" Copper 90 Degree Elbow, Grooved.....	262.50	29.79
23 21	13 23-	1864	EA	6" Copper 90 Degree Elbow, Grooved.....	402.41	38.99
23 21	13 23-	1865	EA	8" Copper 90 Degree Elbow, Grooved.....	702.65	46.40
23 21	13 23-	1866		Grooved 45 Degree Elbows (23 21 13 23-1857)		
23 21	13 23-	1867	EA	2" Copper 45 Degree Elbow, Grooved.....	44.09	12.20
23 21	13 23-	1868	EA	2-1/2" Copper 45 Degree Elbow, Grooved	51.19	14.89
23 21	13 23-	1869	EA	3" Copper 45 Degree Elbow, Grooved.....	66.40	18.04
23 21	13 23-	1870	EA	4" Copper 45 Degree Elbow, Grooved.....	118.57	23.80
23 21	13 23-	1871	EA	5" Copper 45 Degree Elbow, Grooved.....	262.50	29.79
23 21	13 23-	1872	EA	6" Copper 45 Degree Elbow, Grooved.....	402.41	38.99
23 21	13 23-	1873	EA	8" Copper 45 Degree Elbow, Grooved.....	702.65	46.40
23 21	13 23-	1874		Grooved Tees (23 21 13 23-1857)		
23 21	13 23-	1875	EA	2" Copper Tee, Grooved.....	68.79	17.96
23 21	13 23-	1876	EA	2-1/2" Copper Tee, Grooved.....	79.09	22.08
23 21	13 23-	1877	EA	3" Copper Tee, Grooved.....	106.64	27.09
23 21	13 23-	1878	EA	4" Copper Tee, Grooved.....	186.18	35.02
23 21	13 23-	1879	EA	5" Copper Tee, Grooved.....	419.00	45.80
23 21	13 23-	1880	EA	6" Copper Tee, Grooved.....	519.50	57.32
23 21	13 23-	1881	EA	8" Copper Tee, Grooved.....	862.85	69.59
23 21	13 23-	1882		Grooved Reducing Tees (23 21 13 23-1857)		
23 21	13 23-	1883	EA	2-1/2" Copper Tee, Reducing, Grooved.....	96.93	22.08
23 21	13 23-	1884	EA	3" Copper Tee, Reducing, Grooved.....	116.49	27.09
23 21	13 23-	1885	EA	4" Copper Tee, Reducing, Grooved.....	223.29	35.09
23 21	13 23-	1886	EA	5" Copper Tee, Reducing, Grooved.....	561.13	45.87
23 21	13 23-	1887	EA	6" Copper Tee, Reducing, Grooved.....	688.18	57.32
23 21	13 23-	1888		Grooved X Cup Reducing Tees (23 21 13 23-1857)		
23 21	13 23-	1889	EA	2" Copper Tee, Reducing, Grooved X Cup.....	78.23	17.96
23 21	13 23-	1890	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	97.02	22.08
23 21	13 23-	1891	EA	3" Copper Tee, Reducing, Grooved X Cup.....	116.49	27.09
23 21	13 23-	1892	EA	4" Copper Tee, Reducing, Grooved X Cup.....	223.29	35.02
23 21	13 23-	1893		Grooved Flanged Adapter Nipples (23 21 13 23-1857)		
23 21	13 23-	1894	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	129.75	13.25
23 21	13 23-	1895	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	139.85	16.09
23 21	13 23-	1896	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	151.06	19.23
23 21	13 23-	1897	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	175.39	25.90
23 21	13 23-	1898	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	229.09	31.36
23 21	13 23-	1899	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	266.16	42.36
23 21	13 23-	1900		Grooved Concentric Reducers (23 21 13 23-1857)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1901 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved	55.97	13.62
23 21 13 23-1902 EA 3" x 2" Copper Concentric Reducer, Grooved.....	58.96	15.19
23 21 13 23-1903 EA 3" x 2-1/2" Copper Concentric Reducer, Grooved	64.76	18.04
23 21 13 23-1904 EA 4" x 2" Copper Concentric Reducer, Grooved.....	95.94	18.18
23 21 13 23-1905 EA 4" x 2-1/2" Copper Concentric Reducer, Grooved	98.56	19.46
23 21 13 23-1906 EA 4" x 3" Copper Concentric Reducer, Grooved.....	101.55	20.95
23 21 13 23-1907 EA 5" x 3" Copper Concentric Reducer, Grooved.....	217.48	23.94
23 21 13 23-1908 EA 5" x 4" Copper Concentric Reducer, Grooved.....	223.47	26.94
23 21 13 23-1909 EA 6" x 3" Copper Concentric Reducer, Grooved.....	240.51	28.44
23 21 13 23-1910 EA 6" x 4" Copper Concentric Reducer, Grooved.....	246.49	31.43
23 21 13 23-1911 EA 6" x 5" Copper Concentric Reducer, Grooved.....	252.49	34.43
23 21 13 23-1912 EA 8" x 6" Copper Concentric Reducer, Grooved.....	408.43	42.66
23 21 13 23-1913 Grooved X Cup Concentric Reducers (23 21 13 23-1857)		
23 21 13 23-1914 EA 2" x 1" Copper Concentric Reducer, Grooved X Cup.....	42.89	9.58
23 21 13 23-1915 EA 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	43.63	9.95
23 21 13 23-1916 EA 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	45.92	11.08
23 21 13 23-1917 EA 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	50.55	10.70
23 21 13 23-1918 EA 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	51.29	11.08
23 21 13 23-1919 EA 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	53.49	12.20
23 21 13 23-1920 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	56.49	13.62
23 21 13 23-1921 EA 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	63.59	13.62
23 21 13 23-1922 EA 3" x 2" Copper Concentric Reducer, Grooved X Cup	66.58	15.19
23 21 13 23-1923 EA 4" x 2" Copper Concentric Reducer, Grooved X Cup.....	104.65	18.11
23 21 13 23-1924 Grooved Standard Couplings (23 21 13 23-1857)		
23 21 13 23-1925 EA 2" Copper Standard Coupling, Grooved.....	24.86	6.13
23 21 13 23-1926 EA 2-1/2" Copper Standard Coupling, Grooved	29.29	7.48
23 21 13 23-1927 EA 3" Copper Standard Coupling, Grooved.....	33.87	8.90
23 21 13 23-1928 EA 4" Copper Standard Coupling, Grooved.....	48.56	11.98
23 21 13 23-1929 EA 5" Copper Standard Coupling, Grooved.....	72.28	14.89
23 21 13 23-1930 EA 6" Copper Standard Coupling, Grooved.....	95.72	19.46
23 21 13 23-1931 EA 8" Copper Standard Coupling, Grooved.....	134.64	23.20
23 21 13 23-1932 Grooved Caps (23 21 13 23-1857)		
23 21 13 23-1933 EA 2" Copper Cap, Grooved.....	25.63	6.13
23 21 13 23-1934 EA 2-1/2" Copper Cap, Grooved	30.00	7.48
23 21 13 23-1935 EA 3" Copper Cap, Grooved.....	36.78	8.90
23 21 13 23-1936 EA 4" Copper Cap, Grooved.....	62.11	11.90
23 21 13 23-1937 EA 5" Copper Cap, Grooved.....	208.27	14.89
23 21 13 23-1938 EA 6" Copper Cap, Grooved.....	359.65	19.46
23 21 13 23-1939 Grooved Valves (23 21 13 23-1856)		
23 21 13 23-1940 Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-1939)		
Note: Copper body.		
23 21 13 23-1941 EA 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	329.94	8.01
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1942 EA 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	375.37	11.90
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1943 EA 4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	496.19	15.64
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1944 EA 6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	662.27	25.67
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1945 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	730.35	36.07
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1946 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-1939)		
Note: Copper body.		
23 21 13 23-1947 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	403.02	8.01
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1948 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	448.49	11.90
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1949 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	569.32	15.64
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1950 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	735.45	25.67
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1951	EA		8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i>	803.48 43.45 38.20	36.07
23 21	13 23-1952			Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23)</small> Note: Socket or back weld.		
23 21	13 23-1953			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-1952)</small> Note: ASTM D1785 with D2466 fittings.		
23 21	13 23-1954			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-1953)</small>		
23 21	13 23-1955	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	3.39 0.96	2.17
23 21	13 23-1956	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.25 1.20	2.69
23 21	13 23-1957	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.62 1.28	2.84
23 21	13 23-1958	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.05 1.38	3.07
23 21	13 23-1959	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.18 1.40	3.14
23 21	13 23-1960	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.31 1.68	3.74
23 21	13 23-1961	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.75 2.00	4.41
23 21	13 23-1962	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.48 2.42	5.39
23 21	13 23-1963	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	14.13 3.62	8.08
23 21	13 23-1964	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	19.70 4.83	10.70
23 21	13 23-1965	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	24.66 5.76	12.79
23 21	13 23-1966	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	38.14 6.42	14.29
23 21	13 23-1967			Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-1953)</small>		
23 21	13 23-1968	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	12.35 3.62	8.08
23 21	13 23-1969	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	16.49 4.83	10.70
23 21	13 23-1970	EA		1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	20.64 5.99	13.32
23 21	13 23-1971	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	29.51 8.47	18.86
23 21	13 23-1972	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	33.20 9.56	21.25
23 21	13 23-1973	EA		2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	42.57 12.14	27.02
23 21	13 23-1974	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	66.32 17.96	39.96
23 21	13 23-1975	EA		3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	86.53 23.63	52.54
23 21	13 23-1976	EA		4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	107.39 28.07	62.41
23 21	13 23-1977	EA		6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	140.05 32.07	71.32
23 21	13 23-1978	EA		8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	210.05 37.42	83.22
23 21	13 23-1979	EA		10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	313.83 55.79	124.08
23 21	13 23-1980			Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-1953)</small>		
23 21	13 23-1981	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	12.48 3.62	8.08
23 21	13 23-1982	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	16.76 4.83	10.70
23 21	13 23-1983	EA		1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	21.03 5.99	13.32
23 21	13 23-1984	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	29.76 8.47	18.86
23 21	13 23-1985	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	33.75 9.56	21.25
23 21	13 23-1986	EA		2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	42.93 12.14	27.02
23 21	13 23-1987	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	66.32 17.96	39.96
23 21	13 23-1988	EA		3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	88.84 23.63	52.54
23 21	13 23-1989	EA		4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	111.61 28.07	62.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1990	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	140.43 32.07	71.32
23 21	13 23-1991	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	205.39 37.42	83.22
23 21	13 23-1992	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	313.83 55.79	124.08
23 21 13 23-1993 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-1953)					
23 21	13 23-1994	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	20.28 5.99	13.32
23 21	13 23-1995	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	24.50 7.24	16.09
23 21	13 23-1996	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	32.54 9.56	21.25
23 21	13 23-1997	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	41.55 12.14	27.02
23 21	13 23-1998	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	49.63 14.48	32.18
23 21	13 23-1999	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	61.83 17.96	39.96
23 21	13 23-2000	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	85.29 23.63	52.54
23 21	13 23-2001	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	102.07 28.07	62.41
23 21	13 23-2002	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	140.17 37.42	83.22
23 21	13 23-2003	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	212.99 48.28	107.31
23 21	13 23-2004	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	320.30 59.87	133.13
23 21	13 23-2005	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	770.72 89.47	198.92
23 21 13 23-2006 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-1953)					
23 21	13 23-2007	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	25.47 7.49	16.61
23 21	13 23-2008	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	30.74 9.05	20.14
23 21	13 23-2009	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	40.89 11.94	26.56
23 21	13 23-2010	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	52.30 15.17	33.75
23 21	13 23-2011	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	62.48 18.11	40.26
23 21	13 23-2012	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	77.91 22.45	49.92
23 21	13 23-2013	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	108.67 29.54	65.70
23 21	13 23-2014	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	130.28 35.08	77.98
23 21	13 23-2015	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	180.11 46.77	104.02
23 21	13 23-2016	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	282.67 60.32	134.11
23 21	13 23-2017	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	438.60 74.80	166.28
23 21	13 23-2018	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,113.64 111.89	248.76
23 21 13 23-2019 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-1953)					
23 21	13 23-2020	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.35 4.83	10.70
23 21	13 23-2021	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	20.47 5.99	13.32
23 21	13 23-2022	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	28.93 8.47	18.86
23 21	13 23-2023	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	32.57 9.56	21.25
23 21	13 23-2024	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	41.66 12.14	27.02
23 21	13 23-2025	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	61.80 17.96	39.96
23 21	13 23-2026	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	81.67 23.63	52.54
23 21	13 23-2027	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	100.08 28.07	62.41
23 21	13 23-2028	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	123.15 32.07	71.32
23 21	13 23-2029	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	218.09 37.42	83.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2030 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	248.54 43.47	96.62
23 21 13 23-2031 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-1953)		
23 21 13 23-2032 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	12.65 3.62	8.08
23 21 13 23-2033 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.68 4.83	10.70
23 21 13 23-2034 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	20.67 5.99	13.32
23 21 13 23-2035 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	29.34 8.47	18.86
23 21 13 23-2036 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	33.12 9.56	21.25
23 21 13 23-2037 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.19 12.14	27.02
23 21 13 23-2038 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	62.38 17.96	39.96
23 21 13 23-2039 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	81.67 23.63	52.54
23 21 13 23-2040 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	100.08 28.07	62.41
23 21 13 23-2041 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-1953)		
23 21 13 23-2042 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	12.84 3.62	8.08
23 21 13 23-2043 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.87 4.83	10.70
23 21 13 23-2044 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.05 5.99	13.32
23 21 13 23-2045 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.56 8.47	18.86
23 21 13 23-2046 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	33.61 9.56	21.25
23 21 13 23-2047 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	42.63 12.14	27.02
23 21 13 23-2048 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	62.87 17.96	39.96
23 21 13 23-2049 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	83.19 23.63	52.54
23 21 13 23-2050 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	99.20 28.07	62.41
23 21 13 23-2051 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-1953)		
23 21 13 23-2052 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	12.35 3.62	8.08
23 21 13 23-2053 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.46 4.83	10.70
23 21 13 23-2054 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	20.36 5.99	13.32
23 21 13 23-2055 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	28.90 8.47	18.86
23 21 13 23-2056 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	32.62 9.56	21.25
23 21 13 23-2057 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	41.50 12.14	27.02
23 21 13 23-2058 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	64.42 17.96	39.96
23 21 13 23-2059 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	84.90 23.63	52.54
23 21 13 23-2060 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	103.67 28.07	62.41
23 21 13 23-2061 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-1953)		
23 21 13 23-2062 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	18.47 4.94	11.00
23 21 13 23-2063 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-1953)		
23 21 13 23-2064 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	12.24 3.62	8.08
23 21 13 23-2065 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	16.32 4.83	10.70
23 21 13 23-2066 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	20.36 5.99	13.32

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2067	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	28.79 8.47	18.86
23 21	13 23-2068	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	32.46 9.56	21.25
23 21	13 23-2069	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	41.39 12.14	27.02
23 21	13 23-2070	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	61.97 17.96	39.96
23 21	13 23-2071	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	82.06 23.63	52.54
23 21	13 23-2072	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	98.32 28.07	62.41
23 21	13 23-2073	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	122.02 32.07	71.32
23 21	13 23-2074	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	152.96 37.42	83.22
23 21	13 23-2075	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	263.26 40.11	89.20
23 21	13 23-2076		Schedule 40 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-1953)</small>		
23 21	13 23-2077	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	21.34 5.99	13.32
23 21	13 23-2078	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	28.80 7.24	16.09
23 21	13 23-2079	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	37.06 9.56	21.25
23 21	13 23-2080	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	53.13 12.14	27.02
23 21	13 23-2081	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	61.51 14.48	32.18
23 21	13 23-2082	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	77.71 17.96	39.96
23 21	13 23-2083	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	111.14 23.63	52.54
23 21	13 23-2084	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	127.84 28.07	62.41
23 21	13 23-2085	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	192.74 37.42	83.22
23 21	13 23-2086	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	252.03 48.26	107.31
23 21	13 23-2087	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	349.86 59.84	133.06
23 21	13 23-2088	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	495.58 74.30	165.16
23 21	13 23-2089		Schedule 40 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-1953)</small>		
23 21	13 23-2090	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	12.44 3.67	8.18
23 21	13 23-2091	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	16.38 4.83	10.70
23 21	13 23-2092	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	20.39 5.99	13.32
23 21	13 23-2093	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	29.21 8.58	19.09
23 21	13 23-2094	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	32.51 9.56	21.25
23 21	13 23-2095	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	41.25 12.14	27.02
23 21	13 23-2096	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	62.49 17.96	39.96
23 21	13 23-2097	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	81.62 23.63	52.54
23 21	13 23-2098	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	100.06 28.07	62.41
23 21	13 23-2099	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	122.49 32.07	71.32
23 21	13 23-2100	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	176.83 37.42	83.22
23 21	13 23-2101	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	326.48 40.11	89.20
23 21	13 23-2102		Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-1953)</small>		
23 21	13 23-2103	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges..... <i>For Work In Restricted Working Space, Add</i>	25.49 5.99	13.32
23 21	13 23-2104	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	32.63 7.24	16.09
23 21	13 23-2105	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	41.31 9.56	21.25
23 21	13 23-2106	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	50.18 12.14	27.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2107 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	58.23 14.48	32.18
23 21 13 23-2108 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	73.10 17.96	39.96
23 21 13 23-2109 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	99.21 23.63	52.54
23 21 13 23-2110 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	116.10 28.07	62.41
23 21 13 23-2111 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	153.29 37.42	83.22
23 21 13 23-2112 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	205.78 48.26	107.31
23 21 13 23-2113 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	300.77 59.84	133.06
23 21 13 23-2114 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	475.61 74.18	164.94
23 21 13 23-2115 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-1952)</small> Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2116 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2115)</small>		
23 21 13 23-2117 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	3.45 0.96	2.17
23 21 13 23-2118 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.31 1.20	2.69
23 21 13 23-2119 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.26 1.44	3.21
23 21 13 23-2120 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.23 1.69	3.74
23 21 13 23-2121 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.15 1.93	4.26
23 21 13 23-2122 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.10 2.42	5.39
23 21 13 23-2123 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.41 2.66	5.91
23 21 13 23-2124 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.74 2.90	6.44
23 21 13 23-2125 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.12 3.62	8.08
23 21 13 23-2126 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	21.89 4.83	10.70
23 21 13 23-2127 LF 8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	28.02 5.76	12.79
23 21 13 23-2128 LF 10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	47.87 6.20	13.77
23 21 13 23-2129 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2115)</small>		
23 21 13 23-2130 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	13.06 3.62 1.81	8.08
23 21 13 23-2131 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.40 4.83 2.42	10.70
23 21 13 23-2132 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.05 5.99 2.99	13.32
23 21 13 23-2133 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.02 8.47 4.24	18.86
23 21 13 23-2134 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.83 9.56 4.78	21.25
23 21 13 23-2135 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.06 12.14 6.07	27.02
23 21 13 23-2136 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.33 17.96 8.98	39.96
23 21 13 23-2137 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	88.29 23.63 11.82	52.54
23 21 13 23-2138 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	108.00 28.07 14.03	62.41
23 21 13 23-2139 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	159.10 32.07 16.04	71.32
23 21 13 23-2140 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	238.17 37.42 18.71	83.22
23 21 13 23-2141 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	336.99 62.74 31.37	139.50

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2142		Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2115)</small>		
	23 21	13 23-2143	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 13.97 <i>For Work In Restricted Working Space, Add</i> 3.62 <i>For Threaded Fittings, Add</i> 1.81		8.08
	23 21	13 23-2144	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 18.99 <i>For Work In Restricted Working Space, Add</i> 4.83 <i>For Threaded Fittings, Add</i> 2.42		10.70
	23 21	13 23-2145	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 24.31 <i>For Work In Restricted Working Space, Add</i> 5.99 <i>For Threaded Fittings, Add</i> 2.99		13.32
	23 21	13 23-2146	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 33.81 <i>For Work In Restricted Working Space, Add</i> 8.47 <i>For Threaded Fittings, Add</i> 4.24		18.86
	23 21	13 23-2147	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 38.41 <i>For Work In Restricted Working Space, Add</i> 9.56 <i>For Threaded Fittings, Add</i> 4.78		21.25
	23 21	13 23-2148	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 48.97 <i>For Work In Restricted Working Space, Add</i> 12.14 <i>For Threaded Fittings, Add</i> 6.07		27.02
	23 21	13 23-2149	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 77.79 <i>For Work In Restricted Working Space, Add</i> 17.96 <i>For Threaded Fittings, Add</i> 8.98		39.96
	23 21	13 23-2150	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 100.59 <i>For Work In Restricted Working Space, Add</i> 23.63 <i>For Threaded Fittings, Add</i> 11.82		52.54
	23 21	13 23-2151	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 132.84 <i>For Work In Restricted Working Space, Add</i> 28.07 <i>For Threaded Fittings, Add</i> 14.03		62.41
	23 21	13 23-2152	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 156.37 <i>For Work In Restricted Working Space, Add</i> 32.07 <i>For Threaded Fittings, Add</i> 16.04		71.32
	23 21	13 23-2153	EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 231.97 <i>For Work In Restricted Working Space, Add</i> 37.42 <i>For Threaded Fittings, Add</i> 18.71		83.22
	23 21	13 23-2154	EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows 330.02 <i>For Work In Restricted Working Space, Add</i> 62.74 <i>For Threaded Fittings, Add</i> 31.37		139.50
23 21	13 23-2155		Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2115)</small>		
	23 21	13 23-2156	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees 21.79 <i>For Work In Restricted Working Space, Add</i> 5.69 <i>For Threaded Fittings, Add</i> 2.84		12.65
	23 21	13 23-2157	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees 27.12 <i>For Work In Restricted Working Space, Add</i> 7.24 <i>For Threaded Fittings, Add</i> 3.62		16.09
	23 21	13 23-2158	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees 35.57 <i>For Work In Restricted Working Space, Add</i> 9.56 <i>For Threaded Fittings, Add</i> 4.78		21.25
	23 21	13 23-2159	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees 50.73 <i>For Work In Restricted Working Space, Add</i> 12.14 <i>For Threaded Fittings, Add</i> 6.07		27.02
	23 21	13 23-2160	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees 58.56 <i>For Work In Restricted Working Space, Add</i> 14.48 <i>For Threaded Fittings, Add</i> 7.24		32.18
	23 21	13 23-2161	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees 72.74 <i>For Work In Restricted Working Space, Add</i> 17.96 <i>For Threaded Fittings, Add</i> 8.98		39.96
	23 21	13 23-2162	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees 92.79 <i>For Work In Restricted Working Space, Add</i> 23.63 <i>For Threaded Fittings, Add</i> 11.82		52.54
	23 21	13 23-2163	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees 111.03 <i>For Work In Restricted Working Space, Add</i> 28.07 <i>For Threaded Fittings, Add</i> 14.03		62.41
	23 21	13 23-2164	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees 144.99 <i>For Work In Restricted Working Space, Add</i> 37.42 <i>For Threaded Fittings, Add</i> 18.71		83.22
	23 21	13 23-2165	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees 230.17 <i>For Work In Restricted Working Space, Add</i> 48.28 <i>For Threaded Fittings, Add</i> 24.14		107.31
	23 21	13 23-2166	EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees 360.12 <i>For Work In Restricted Working Space, Add</i> 59.87 <i>For Threaded Fittings, Add</i> 29.93		133.13
	23 21	13 23-2167	EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees 770.75 <i>For Work In Restricted Working Space, Add</i> 89.47 <i>For Threaded Fittings, Add</i> 44.74		198.92
23 21	13 23-2168		Schedule 80 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2115)</small>		
	23 21	13 23-2169	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses 28.13 <i>For Work In Restricted Working Space, Add</i> 7.10 <i>For Threaded Fittings, Add</i> 3.55		15.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2170 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.85 9.05 4.53	20.14
23 21 13 23-2171 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.64 11.94 5.97	26.56
23 21 13 23-2172 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	66.69 15.17 7.59	33.75
23 21 13 23-2173 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	76.48 18.11 9.05	40.26
23 21 13 23-2174 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	95.02 22.45 11.23	49.92
23 21 13 23-2175 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	120.43 29.54 14.77	65.70
23 21 13 23-2176 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	144.33 35.08 17.54	77.98
23 21 13 23-2177 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	187.68 46.77 23.39	104.02
23 21 13 23-2178 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	309.60 60.32 30.16	134.11
23 21 13 23-2179 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	501.02 74.80 37.40	166.28
23 21 13 23-2180 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,113.69 111.89 55.95	248.76
23 21 13 23-2181 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2115)</small>		
23 21 13 23-2182 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.68 4.83 2.42	10.70
23 21 13 23-2183 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.63 5.99 2.99	13.32
23 21 13 23-2184 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.89 8.47 4.24	18.86
23 21 13 23-2185 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.46 9.56 4.78	21.25
23 21 13 23-2186 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.61 12.14 6.07	27.02
23 21 13 23-2187 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.80 17.96 8.98	39.96
23 21 13 23-2188 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	92.98 23.63 11.82	52.54
23 21 13 23-2189 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	113.23 28.07 14.03	62.41
23 21 13 23-2190 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.74 32.07 16.04	71.32
23 21 13 23-2191 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	173.19 37.42 18.71	83.22
23 21 13 23-2192 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	248.55 43.47 21.74	96.62
23 21 13 23-2193 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2115)</small>		
23 21 13 23-2194 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.26 3.62 1.81	8.08
23 21 13 23-2195 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.18 4.83 2.42	10.70
23 21 13 23-2196 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.63 5.99 2.99	13.32
23 21 13 23-2197 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.66 8.47 4.24	18.86

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2198	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	36.15	21.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For Threaded Fittings, Add</i>	4.78	
23 21	13 23-2199	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	45.72	27.02
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For Threaded Fittings, Add</i>	6.07	
23 21	13 23-2200	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	71.01	39.96
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For Threaded Fittings, Add</i>	8.98	
23 21	13 23-2201	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	99.40	52.54
			<i>For Work In Restricted Working Space, Add</i>	23.63	
			<i>For Threaded Fittings, Add</i>	11.82	
23 21	13 23-2202	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	125.25	62.41
			<i>For Work In Restricted Working Space, Add</i>	28.07	
			<i>For Threaded Fittings, Add</i>	14.03	
23 21 13 23-2203 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male					
Adapters (23 21 13 23-2115)					
23 21	13 23-2204	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	14.41	8.08
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Threaded Fittings, Add</i>	1.81	
23 21	13 23-2205	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	18.69	10.70
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Threaded Fittings, Add</i>	2.42	
23 21	13 23-2206	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	24.47	13.32
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Threaded Fittings, Add</i>	2.99	
23 21	13 23-2207	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	33.53	18.86
			<i>For Work In Restricted Working Space, Add</i>	8.47	
			<i>For Threaded Fittings, Add</i>	4.24	
23 21	13 23-2208	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	39.46	21.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For Threaded Fittings, Add</i>	4.78	
23 21	13 23-2209	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	50.37	27.02
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For Threaded Fittings, Add</i>	6.07	
23 21	13 23-2210	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	71.17	39.96
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For Threaded Fittings, Add</i>	8.98	
23 21	13 23-2211	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	91.32	52.54
			<i>For Work In Restricted Working Space, Add</i>	23.63	
			<i>For Threaded Fittings, Add</i>	11.82	
23 21	13 23-2212	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	115.85	62.41
			<i>For Work In Restricted Working Space, Add</i>	28.07	
			<i>For Threaded Fittings, Add</i>	14.03	
23 21 13 23-2213 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female					
Adapters (23 21 13 23-2115)					
23 21	13 23-2214	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	13.78	8.08
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Threaded Fittings, Add</i>	1.81	
23 21	13 23-2215	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	18.64	10.70
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Threaded Fittings, Add</i>	2.42	
23 21	13 23-2216	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	23.70	13.32
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Threaded Fittings, Add</i>	2.99	
23 21	13 23-2217	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	34.33	18.86
			<i>For Work In Restricted Working Space, Add</i>	8.47	
			<i>For Threaded Fittings, Add</i>	4.24	
23 21	13 23-2218	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	39.32	21.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For Threaded Fittings, Add</i>	4.78	
23 21	13 23-2219	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	53.46	27.02
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For Threaded Fittings, Add</i>	6.07	
23 21	13 23-2220	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	80.43	39.96
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For Threaded Fittings, Add</i>	8.98	
23 21	13 23-2221	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	101.94	52.54
			<i>For Work In Restricted Working Space, Add</i>	23.63	
			<i>For Threaded Fittings, Add</i>	11.82	
23 21	13 23-2222	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	133.36	62.41
			<i>For Work In Restricted Working Space, Add</i>	28.07	
			<i>For Threaded Fittings, Add</i>	14.03	
23 21 13 23-2223 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2115)					
23 21	13 23-2224	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	13.89	8.08
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Threaded Fittings, Add</i>	1.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2225 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.55 4.83 2.42	10.70
23 21 13 23-2226 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.49 5.99 2.99	13.32
23 21 13 23-2227 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	32.13 8.47 4.24	18.86
23 21 13 23-2228 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.04 9.56 4.78	21.25
23 21 13 23-2229 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.92 12.14 6.07	27.02
23 21 13 23-2230 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	70.92 17.96 8.98	39.96
23 21 13 23-2231 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	91.49 23.63 11.82	52.54
23 21 13 23-2232 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	109.48 28.07 14.03	62.41
23 21 13 23-2233 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	141.18 32.07 16.04	71.32
23 21 13 23-2234 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	171.37 37.42 18.71	83.22
23 21 13 23-2235 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	271.53 40.11 20.06	89.20
23 21 13 23-2236 Schedule 80 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2115)</small>		
23 21 13 23-2237 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.03 5.99 2.99	13.32
23 21 13 23-2238 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.85 7.24 3.62	16.09
23 21 13 23-2239 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.23 9.56 4.78	21.25
23 21 13 23-2240 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	53.90 12.14 6.07	27.02
23 21 13 23-2241 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.59 14.48 7.24	32.18
23 21 13 23-2242 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	83.33 17.96 8.98	39.96
23 21 13 23-2243 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	122.46 23.63 11.82	52.54
23 21 13 23-2244 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	149.85 28.07 14.03	62.41
23 21 13 23-2245 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	192.90 37.42 18.71	83.22
23 21 13 23-2246 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	252.03 48.26 24.13	107.31
23 21 13 23-2247 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	349.86 59.84 29.92	133.06
23 21 13 23-2248 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	495.19 74.18 37.09	164.94
23 21 13 23-2249 Schedule 80 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2115)</small>		
23 21 13 23-2250 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	14.63 3.62 1.81	8.08
23 21 13 23-2251 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.80 4.83 2.42	10.70
23 21 13 23-2252 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.75 5.99 2.99	13.32

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2253	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.03 8.47 4.24	18.86
23 21	13 23-2254	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.64 9.56 4.78	21.25
23 21	13 23-2255	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.13 12.14 6.07	27.02
23 21	13 23-2256	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	77.71 17.96 8.98	39.96
23 21	13 23-2257	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	100.59 23.63 11.82	52.54
23 21	13 23-2258	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.62 28.07 14.03	62.41
23 21	13 23-2259	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	194.02 32.07 16.04	71.32
23 21	13 23-2260	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	244.40 37.42 18.71	83.22
23 21	13 23-2261	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	354.05 40.11 20.06	89.20
23 21 13 23-2262 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2115)					
23 21	13 23-2263	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.86 5.99 2.99	13.32
23 21	13 23-2264	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	32.63 7.24 3.62	16.09
23 21	13 23-2265	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.31 9.56 4.78	21.25
23 21	13 23-2266	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.18 12.14 6.07	27.02
23 21	13 23-2267	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.23 14.48 7.24	32.18
23 21	13 23-2268	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	73.10 17.96 8.98	39.96
23 21	13 23-2269	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	99.21 23.63 11.82	52.54
23 21	13 23-2270	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	116.10 28.07 14.03	62.41
23 21	13 23-2271	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	153.29 37.42 18.71	83.22
23 21	13 23-2272	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	205.78 48.26 24.13	107.31
23 21	13 23-2273	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	300.77 59.84 29.92	133.06
23 21	13 23-2274	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	475.61 74.18 37.09	164.94
23 21 13 23-2275 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-1952)					
Note: In place pipe.					
23 21	13 23-2276	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.07 1.22	
23 21	13 23-2277	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.39 1.32	
23 21	13 23-2278	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.94 1.48	
23 21	13 23-2279	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.19 1.56	
23 21	13 23-2280	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.49 1.65	
23 21	13 23-2281	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.04 1.81	
23 21	13 23-2282	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.50 1.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2283 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.68 2.30	
23 21 13 23-2284 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.37 3.11	
23 21 13 23-2285 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	14.81 4.44	
23 21 13 23-2286 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	19.75 5.93	
23 21 13 23-2287 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.15 7.25	
23 21 13 23-2288 Polyethylene Pipe And Fittings <small>(23 21 13 23)</small>		
23 21 13 23-2289 SDR-21 High Density Polyethylene (HDPE) Piping <small>(23 21 13 23-2288)</small> Note: ASTM D3035		
23 21 13 23-2290 SDR-21 High Density Polyethylene (HDPE) Pipe <small>(23 21 13 23-2289)</small>		
23 21 13 23-2291 LF 1" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.31 2.67	5.94
23 21 13 23-2292 LF 2" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.25 2.93	6.50
23 21 13 23-2293 LF 3" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.26 2.93	6.50
23 21 13 23-2294 LF 4" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.52 3.82	8.46
23 21 13 23-2295 LF 6" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	20.39 5.60	12.44
23 21 13 23-2296 LF 8" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.92 6.90	15.30
23 21 13 23-2297 LF 10" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.91 8.81	19.56
23 21 13 23-2298 LF 12" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	41.36 10.48	23.34
23 21 13 23-2299 LF 14" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	53.85 13.84	30.75
23 21 13 23-2300 LF 16" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	68.10 17.40	38.72
23 21 13 23-2301 LF 18" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	84.69 21.57	47.93
23 21 13 23-2302 LF 20" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	104.62 26.65	59.19
23 21 13 23-2303 LF 22" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	113.32 28.26	62.82
23 21 13 23-2304 LF 24" SDR-21 High Density Polyethylene (HDPE) Pipe..... <i>For Work In Restricted Working Space, Add</i>	123.58 30.25	67.22
23 21 13 23-2305 High Density Polyethylene (HDPE) 90 Degree Elbows <small>(23 21 13 23-2289)</small>		
23 21 13 23-2306 EA 3" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	46.38 10.23 6.82	22.71
23 21 13 23-2307 EA 4" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	64.32 13.52 9.02	30.04
23 21 13 23-2308 EA 6" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	107.73 19.96 13.31	44.37
23 21 13 23-2309 EA 8" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	171.40 34.17 22.78	75.96
23 21 13 23-2310 EA 10" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	218.01 39.03 26.02	86.79
23 21 13 23-2311 EA 12" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	295.15 50.90 33.93	113.13
23 21 13 23-2312 EA 14" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	368.10 60.00 40.00	133.40
23 21 13 23-2313 EA 16" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	433.28 70.27 46.85	156.24
23 21 13 23-2314 EA 18" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	533.08 78.51 52.34	174.56
23 21 13 23-2315 EA 20" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	634.91 87.83 58.56	195.30
23 21 13 23-2316 EA 22" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	736.75 88.91 59.27	197.69
23 21 13 23-2317 EA 24" High Density Polyethylene (HDPE) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	822.60 91.11 60.74	202.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2318			High Density Polyethylene (HDPE) 45 Degree Elbows <small>(23 21 13 23-2289)</small>		
23 21 13 23-2319	EA		3" High Density Polyethylene (HDPE) 45 Degree Elbow	55.12	22.71
			<i>For Work In Restricted Working Space, Add</i>	10.23	
			<i>For Heat Weld Fittings, Add</i>	6.82	
23 21 13 23-2320	EA		4" High Density Polyethylene (HDPE) 45 Degree Elbow	82.67	30.04
			<i>For Work In Restricted Working Space, Add</i>	13.52	
			<i>For Heat Weld Fittings, Add</i>	9.02	
23 21 13 23-2321	EA		6" High Density Polyethylene (HDPE) 45 Degree Elbow	111.57	44.37
			<i>For Work In Restricted Working Space, Add</i>	19.96	
			<i>For Heat Weld Fittings, Add</i>	13.31	
23 21 13 23-2322	EA		8" High Density Polyethylene (HDPE) 45 Degree Elbow	228.50	75.96
			<i>For Work In Restricted Working Space, Add</i>	34.17	
			<i>For Heat Weld Fittings, Add</i>	22.78	
23 21 13 23-2323	EA		10" High Density Polyethylene (HDPE) 45 Degree Elbow	296.54	86.79
			<i>For Work In Restricted Working Space, Add</i>	39.03	
			<i>For Heat Weld Fittings, Add</i>	26.02	
23 21 13 23-2324	EA		12" High Density Polyethylene (HDPE) 45 Degree Elbow	431.73	113.13
			<i>For Work In Restricted Working Space, Add</i>	50.90	
			<i>For Heat Weld Fittings, Add</i>	33.93	
23 21 13 23-2325	EA		14" High Density Polyethylene (HDPE) 45 Degree Elbow	539.83	133.40
			<i>For Work In Restricted Working Space, Add</i>	60.00	
			<i>For Heat Weld Fittings, Add</i>	40.00	
23 21 13 23-2326	EA		16" High Density Polyethylene (HDPE) 45 Degree Elbow	672.70	156.24
			<i>For Work In Restricted Working Space, Add</i>	70.27	
			<i>For Heat Weld Fittings, Add</i>	46.85	
23 21 13 23-2327	EA		18" High Density Polyethylene (HDPE) 45 Degree Elbow	863.92	174.56
			<i>For Work In Restricted Working Space, Add</i>	78.51	
			<i>For Heat Weld Fittings, Add</i>	52.34	
23 21 13 23-2328	EA		20" High Density Polyethylene (HDPE) 45 Degree Elbow	1,092.09	195.30
			<i>For Work In Restricted Working Space, Add</i>	87.83	
			<i>For Heat Weld Fittings, Add</i>	58.56	
23 21 13 23-2329	EA		22" High Density Polyethylene (HDPE) 45 Degree Elbow	1,109.40	197.69
			<i>For Work In Restricted Working Space, Add</i>	88.91	
			<i>For Heat Weld Fittings, Add</i>	59.27	
23 21 13 23-2330	EA		24" High Density Polyethylene (HDPE) 45 Degree Elbow	1,211.51	202.57
			<i>For Work In Restricted Working Space, Add</i>	91.11	
			<i>For Heat Weld Fittings, Add</i>	60.74	
23 21 13 23-2331			High Density Polyethylene (HDPE) Tees <small>(23 21 13 23-2289)</small>		
23 21 13 23-2332	EA		3" High Density Polyethylene (HDPE) Tee	79.82	44.37
			<i>For Work In Restricted Working Space, Add</i>	19.96	
			<i>For Heat Weld Fittings, Add</i>	13.31	
23 21 13 23-2333	EA		4" High Density Polyethylene (HDPE) Tee	108.34	58.28
			<i>For Work In Restricted Working Space, Add</i>	26.20	
			<i>For Heat Weld Fittings, Add</i>	17.47	
23 21 13 23-2334	EA		6" High Density Polyethylene (HDPE) Tee	192.03	93.22
			<i>For Work In Restricted Working Space, Add</i>	41.93	
			<i>For Heat Weld Fittings, Add</i>	27.95	
23 21 13 23-2335	EA		8" High Density Polyethylene (HDPE) Tee	305.24	150.45
			<i>For Work In Restricted Working Space, Add</i>	67.67	
			<i>For Heat Weld Fittings, Add</i>	45.11	
23 21 13 23-2336	EA		10" High Density Polyethylene (HDPE) Tee	373.43	174.56
			<i>For Work In Restricted Working Space, Add</i>	78.51	
			<i>For Heat Weld Fittings, Add</i>	52.34	
23 21 13 23-2337	EA		12" High Density Polyethylene (HDPE) Tee	498.15	224.59
			<i>For Work In Restricted Working Space, Add</i>	101.02	
			<i>For Heat Weld Fittings, Add</i>	67.35	
23 21 13 23-2338	EA		14" High Density Polyethylene (HDPE) Tee	580.27	264.63
			<i>For Work In Restricted Working Space, Add</i>	119.01	
			<i>For Heat Weld Fittings, Add</i>	79.34	
23 21 13 23-2339	EA		16" High Density Polyethylene (HDPE) Tee	745.79	315.50
			<i>For Work In Restricted Working Space, Add</i>	141.90	
			<i>For Heat Weld Fittings, Add</i>	94.60	
23 21 13 23-2340	EA		18" High Density Polyethylene (HDPE) Tee	861.10	348.76
			<i>For Work In Restricted Working Space, Add</i>	156.87	
			<i>For Heat Weld Fittings, Add</i>	104.58	
23 21 13 23-2341	EA		20" High Density Polyethylene (HDPE) Tee	980.41	390.05
			<i>For Work In Restricted Working Space, Add</i>	175.69	
			<i>For Heat Weld Fittings, Add</i>	117.13	
23 21 13 23-2342	EA		22" High Density Polyethylene (HDPE) Tee	1,120.00	436.87
			<i>For Work In Restricted Working Space, Add</i>	196.78	
			<i>For Heat Weld Fittings, Add</i>	131.19	
23 21 13 23-2343	EA		24" High Density Polyethylene (HDPE) Tee	1,285.78	489.28
			<i>For Work In Restricted Working Space, Add</i>	220.39	
			<i>For Heat Weld Fittings, Add</i>	146.92	
23 21 13 23-2344			High Density Polyethylene (HDPE) Crosses <small>(23 21 13 23-2289)</small>		
23 21 13 23-2345	EA		3" High Density Polyethylene (HDPE) Cross	104.02	55.48
			<i>For Work In Restricted Working Space, Add</i>	24.96	
			<i>For Heat Weld Fittings, Add</i>	16.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2346 EA 4" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	142.14 32.77 21.84	72.81
23 21 13 23-2347 EA 6" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	256.63 52.41 34.94	116.49
23 21 13 23-2348 EA 8" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	406.86 84.59 56.39	188.03
23 21 13 23-2349 EA 10" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	502.26 98.13 65.42	218.16
23 21 13 23-2350 EA 12" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	673.98 126.28 84.19	280.77
23 21 13 23-2351 EA 14" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	783.70 148.78 99.18	330.80
23 21 13 23-2352 EA 16" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,018.95 177.39 118.26	394.38
23 21 13 23-2353 EA 18" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,183.81 196.09 130.73	435.96
23 21 13 23-2354 EA 20" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,341.37 216.76 144.51	481.17
23 21 13 23-2355 EA 22" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,526.17 239.61 159.74	531.97
23 21 13 23-2356 EA 24" High Density Polyethylene (HDPE) Cross <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,746.96 264.89 176.59	588.02
 23 21 13 23-2357 High Density Polyethylene (HDPE) 45 Degree Wyes <small>(23 21 13 23-2289)</small>		
23 21 13 23-2358 EA 3" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	114.63 19.96 13.31	44.37
23 21 13 23-2359 EA 4" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	139.51 26.20 17.47	58.28
23 21 13 23-2360 EA 6" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	225.09 41.93 27.95	93.22
23 21 13 23-2361 EA 8" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	332.98 67.69 45.13	150.51
23 21 13 23-2362 EA 10" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	398.76 78.51 52.34	174.56
23 21 13 23-2363 EA 12" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	575.47 101.09 67.39	224.72
23 21 13 23-2364 EA 14" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	667.72 119.01 79.34	264.63
23 21 13 23-2365 EA 16" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	901.43 141.90 94.60	315.50
23 21 13 23-2366 EA 18" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,057.88 156.99 104.66	349.03
23 21 13 23-2367 EA 20" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,213.20 175.69 117.13	390.62
23 21 13 23-2368 EA 22" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,389.75 196.61 131.08	436.45
23 21 13 23-2369 EA 24" High Density Polyethylene (HDPE) 45 Degree Wye <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	1,631.34 220.01 146.67	488.44
 23 21 13 23-2370 High Density Polyethylene (HDPE) Reducers <small>(23 21 13 23-2289)</small>		
23 21 13 23-2371 EA 4" x 3" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	66.54 13.52 9.02	30.04
23 21 13 23-2372 EA 6" x 4" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	113.02 19.96 13.31	44.37
23 21 13 23-2373 EA 8" x 6" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add For Heat Weld Fittings, Add</i>	180.63 36.54 24.36	81.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2374	EA	10" x 8" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	218.67 41.93 27.95	93.22
23 21	13 23-2375	EA	12" x 10" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	273.63 51.97 34.64	115.51
23 21	13 23-2376	EA	14" x 12" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	310.55 60.48 40.32	134.44
23 21	13 23-2377	EA	16" x 14" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	341.07 68.32 45.55	151.91
23 21	13 23-2378	EA	18" x 16" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	390.02 77.67 51.78	172.67
23 21	13 23-2379	EA	20" x 18" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	424.78 86.81 57.87	193.00
23 21	13 23-2380	EA	22" x 20" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	436.24 88.91 59.27	197.69
23 21	13 23-2381	EA	24" x 22" High Density Polyethylene (HDPE) Reducer <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	444.25 89.99 60.00	200.06
23 21	13 23-2382		High Density Polyethylene (HDPE) Caps <small>(23 21 13 23-2289)</small>		
23 21	13 23-2383	EA	3" High Density Polyethylene (HDPE) Cap <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	20.29 4.19 2.79	9.30
23 21	13 23-2384	EA	4" High Density Polyethylene (HDPE) Cap <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	35.24 7.34 4.89	16.35
23 21	13 23-2385	EA	6" High Density Polyethylene (HDPE) Cap <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	55.69 12.16 8.11	27.05
23 21	13 23-2386	EA	8" High Density Polyethylene (HDPE) Cap <i>For Work In Restricted Working Space, Add</i> <i>For Heat Weld Fittings, Add</i>	93.41 20.54 13.70	45.70
23 21	13 23-2387		High Density Polyethylene (HDPE) Flange Adapters And Backup Rings <small>(23 21 13 23-2289)</small>		
23 21	13 23-2388	EA	3" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	56.86 10.23	22.71
23 21	13 23-2389	EA	4" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	77.54 13.52	30.04
23 21	13 23-2390	EA	6" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	109.00 19.96	44.37
23 21	13 23-2391	EA	8" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	127.36 22.03	48.98
23 21	13 23-2392	EA	10" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	162.75 27.63	61.42
23 21	13 23-2393	EA	12" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	207.55 31.40	69.81
23 21	13 23-2394	EA	14" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	256.31 38.24	84.97
23 21	13 23-2395	EA	16" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	320.62 44.19	98.25
23 21	13 23-2396	EA	18" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	399.39 49.52	110.13
23 21	13 23-2397	EA	20" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	492.34 63.08	140.24
23 21	13 23-2398	EA	22" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	544.75 65.30	145.20
23 21	13 23-2399	EA	24" High Density Polyethylene (HDPE) Flange Adapter And Backup Ring <i>For Work In Restricted Working Space, Add</i>	598.39 68.32	151.91
23 21	13 23-2400		Small Diameter Tubing <small>(23 21 13 23-2288)</small>		
23 21	13 23-2401		Tubing <small>(23 21 13 23-2400)</small>		
23 21	13 23-2402	LF	1/4" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	2.31 0.68	
23 21	13 23-2403	LF	5/16" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	2.40 0.69	
23 21	13 23-2404	LF	3/8" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	2.47 0.71	
23 21	13 23-2405	LF	1/2" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	2.63 0.77	
23 21	13 23-2406		Cross-Linked Polyethylene Tubing, ASTM F877 <small>(23 21 13 23-2288)</small> Note: Aboveground, domestic water usage.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2407				Cross-Linked Polyethylene Tubing <small>(23 21 13 23-2406)</small>		
23 21 13 23-2408	LF			3/8" Cross-Linked Polyethylene Tubing.....2.71 <i>For Work In Restricted Working Space, Add</i> 0.71		
23 21 13 23-2409	LF			1/2" Cross-Linked Polyethylene Tubing.....2.94 <i>For Work In Restricted Working Space, Add</i> 0.77		
23 21 13 23-2410	LF			3/4" Cross-Linked Polyethylene Tubing.....3.46 <i>For Work In Restricted Working Space, Add</i> 0.83		
23 21 13 23-2411	LF			1" Cross-Linked Polyethylene Tubing.....4.12 <i>For Work In Restricted Working Space, Add</i> 0.87		
23 21 13 23-2412				Cross-Linked Polyethylene Forged Brass PEX Fittings <small>(23 21 13 23-2288)</small> Note: Aboveground, domestic water usage.		
23 21 13 23-2413				Male Adapters <small>(23 21 13 23-2412)</small>		
23 21 13 23-2414	EA			3/8" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing.....15.52 <i>For Work In Restricted Working Space, Add</i> 3.66		
23 21 13 23-2415	EA			1/2" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing.....16.73 <i>For Work In Restricted Working Space, Add</i> 3.90		
23 21 13 23-2416	EA			1/2" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing.....18.32 <i>For Work In Restricted Working Space, Add</i> 4.15		
23 21 13 23-2417	EA			3/4" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing.....19.13 <i>For Work In Restricted Working Space, Add</i> 4.39		
23 21 13 23-2418	EA			3/4" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing.....18.32 <i>For Work In Restricted Working Space, Add</i> 4.15		
23 21 13 23-2419	EA			1" x 1", (PE x Threaded) Male Adapter For PEX Tubing.....24.18 <i>For Work In Restricted Working Space, Add</i> 4.88		
23 21 13 23-2420				Female Adapters <small>(23 21 13 23-2412)</small>		
23 21 13 23-2421	EA			1/2" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing.....17.12 <i>For Work In Restricted Working Space, Add</i> 3.90		
23 21 13 23-2422	EA			1/2" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing.....19.39 <i>For Work In Restricted Working Space, Add</i> 4.15		
23 21 13 23-2423	EA			3/4" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing.....20.20 <i>For Work In Restricted Working Space, Add</i> 4.39		
23 21 13 23-2424	EA			3/4" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing.....19.39 <i>For Work In Restricted Working Space, Add</i> 4.15		
23 21 13 23-2425	EA			1" x 1", (PE x Threaded) Female Adapter For PEX Tubing.....24.67 <i>For Work In Restricted Working Space, Add</i> 4.88		
23 21 13 23-2426				Tube Adapters <small>(23 21 13 23-2412)</small>		
23 21 13 23-2427	EA			3/8" x 1/2" Tube Adapter For PEX Tubing.....13.94 <i>For Work In Restricted Working Space, Add</i> 3.66		
23 21 13 23-2428	EA			1/2" Tube Adapter For PEX Tubing.....14.76 <i>For Work In Restricted Working Space, Add</i> 3.90		
23 21 13 23-2429	EA			3/4" Tube Adapter For PEX Tubing.....17.86 <i>For Work In Restricted Working Space, Add</i> 4.39		
23 21 13 23-2430	EA			1" Tube Adapter For PEX Tubing.....23.19 <i>For Work In Restricted Working Space, Add</i> 4.88		
23 21 13 23-2431				Plugs <small>(23 21 13 23-2412)</small>		
23 21 13 23-2432	EA			3/8" Plug For PEX Tubing.....7.05 <i>For Work In Restricted Working Space, Add</i> 1.71		
23 21 13 23-2433	EA			1/2" Plug For PEX Tubing.....7.86 <i>For Work In Restricted Working Space, Add</i> 1.95		
23 21 13 23-2434	EA			3/4" Plug For PEX Tubing.....9.07 <i>For Work In Restricted Working Space, Add</i> 2.20		
23 21 13 23-2435	EA			1" Plug For PEX Tubing.....11.35 <i>For Work In Restricted Working Space, Add</i> 2.44		
23 21 13 23-2436				Tees <small>(23 21 13 23-2412)</small>		
23 21 13 23-2437	EA			3/8" Tee For PEX Tubing.....19.92 <i>For Work In Restricted Working Space, Add</i> 5.12		
23 21 13 23-2438	EA			1/2" Tee For PEX Tubing.....22.35 <i>For Work In Restricted Working Space, Add</i> 5.85		
23 21 13 23-2439	EA			3/4" Tee For PEX Tubing.....26.74 <i>For Work In Restricted Working Space, Add</i> 6.59		
23 21 13 23-2440	EA			1" Tee For PEX Tubing.....34.64 <i>For Work In Restricted Working Space, Add</i> 7.31		
23 21 13 23-2441	EA			1/2" Reducing Tee For PEX Tubing.....21.54 <i>For Work In Restricted Working Space, Add</i> 5.61		
23 21 13 23-2442	EA			3/4" Reducing Tee For PEX Tubing.....25.12 <i>For Work In Restricted Working Space, Add</i> 6.10		
23 21 13 23-2443	EA			1" Reducing Tee For PEX Tubing.....31.43 <i>For Work In Restricted Working Space, Add</i> 6.59		
23 21 13 23-2444				Couplings <small>(23 21 13 23-2412)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2445	EA	3/8" Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	12.84 3.41	
23 21	13 23-2446	EA	1/2" Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	14.57 3.90	
23 21	13 23-2447	EA	3/4" Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.67 4.39	
23 21	13 23-2448	EA	1" Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.56 4.88	
23 21	13 23-2449	EA	3/4" x 1/2" Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.86 4.15	
23 21	13 23-2450	EA	1" x 3/4" Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.74 4.63	
23 21	13 23-2451		Fitting Reducers <small>(23 21 13 23-2412)</small>		
23 21	13 23-2452	EA	3/8" x 1/2" Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	14.23 3.66	
23 21	13 23-2453	EA	1/2" Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.05 3.90	
23 21	13 23-2454	EA	3/4" Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.45 4.39	
23 21	13 23-2455	EA	1" Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.52 4.88	
23 21	13 23-2456		90 Degree Elbows <small>(23 21 13 23-2412)</small>		
23 21	13 23-2457	EA	3/8" 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	13.71 3.41	
23 21	13 23-2458	EA	1/2" 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.34 3.90	
23 21	13 23-2459	EA	3/4" 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.45 4.39	
23 21	13 23-2460	EA	3/4" x 1/2" 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.64 4.15	
23 21	13 23-2461	EA	1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.42 3.90	
23 21	13 23-2462	EA	3/4" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.92 4.39	
23 21	13 23-2463	EA	3/4" x 1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.11 4.15	
23 21	13 23-2464		Chrome Plated Pipe <small>(23 21 13 23)</small>		
23 21	13 23-2465		Chrome Plated Nipples <small>(23 21 13 23-2464)</small>		
23 21	13 23-2466		Close <small>(23 21 13 23-2465)</small>		
23 21	13 23-2467	EA	1/4" Diameter Chrome Plated Nipple, Close 23 21 13 23-2468 EA 3/8" Diameter Chrome Plated Nipple, Close 23 21 13 23-2469 EA 1/2" Diameter Chrome Plated Nipple, Close 23 21 13 23-2470 EA 3/4" Diameter Chrome Plated Nipple, Close 23 21 13 23-2471 EA 1" Diameter Chrome Plated Nipple, Close 23 21 13 23-2472 EA 1-1/4" Diameter Chrome Plated Nipple, Close 23 21 13 23-2473 EA 1-1/2" Diameter Chrome Plated Nipple, Close 23 21 13 23-2474 EA 2" Diameter Chrome Plated Nipple, Close	13.07 12.96 15.76 20.47 27.27 38.50 46.45 59.31	6.50 7.07 8.12 10.32 13.57 18.94 22.19 27.64
23 21	13 23-2475		1-1/2" Nipples <small>(23 21 13 23-2465)</small>		
23 21	13 23-2476	EA	1/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	13.85	6.75
23 21	13 23-2477	EA	3/8" Diameter Chrome Plated Nipple, 1-1/2" Length.....	13.61	7.32
23 21	13 23-2478	EA	1/2" Diameter Chrome Plated Nipple, 1-1/2" Length.....	16.19	8.38
23 21	13 23-2479	EA	3/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	21.13	10.57
23 21	13 23-2480		2" Nipples <small>(23 21 13 23-2465)</small>		
23 21	13 23-2481	EA	1/4" Diameter Chrome Plated Nipple, 2" Length.....	14.41	7.07
23 21	13 23-2482	EA	3/8" Diameter Chrome Plated Nipple, 2" Length.....	14.10	7.56
23 21	13 23-2483	EA	1/2" Diameter Chrome Plated Nipple, 2" Length.....	17.21	8.70
23 21	13 23-2484	EA	3/4" Diameter Chrome Plated Nipple, 2" Length.....	22.05	10.81
23 21	13 23-2485	EA	1" Diameter Chrome Plated Nipple, 2" Length.....	28.70	14.06
23 21	13 23-2486	EA	1-1/4" Diameter Chrome Plated Nipple, 2" Length.....	40.65	19.51
23 21	13 23-2487	EA	1-1/2" Diameter Chrome Plated Nipple, 2" Length.....	48.90	22.76
23 21	13 23-2488		2-1/2" Nipples <small>(23 21 13 23-2465)</small>		
23 21	13 23-2489	EA	1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	15.17	7.32
23 21	13 23-2490	EA	3/8" Diameter Chrome Plated Nipple, 2-1/2" Length.....	14.62	7.88
23 21	13 23-2491	EA	1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	17.91	8.94
23 21	13 23-2492	EA	3/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	22.58	11.14
23 21	13 23-2493	EA	1" Diameter Chrome Plated Nipple, 2-1/2" Length.....	29.46	14.39
23 21	13 23-2494	EA	1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	42.58	19.75
23 21	13 23-2495	EA	1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	51.44	23.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2496 EA 2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	64.96	28.45
23 21 13 23-2497 3" Nipples <small>(23 21 13 23-2465)</small>		
23 21 13 23-2498 EA 1/4" Diameter Chrome Plated Nipple, 3" Length.....	15.78	7.56
23 21 13 23-2499 EA 3/8" Diameter Chrome Plated Nipple, 3" Length.....	15.37	8.12
23 21 13 23-2500 EA 1/2" Diameter Chrome Plated Nipple, 3" Length.....	17.58	8.70
23 21 13 23-2501 EA 3/4" Diameter Chrome Plated Nipple, 3" Length.....	24.03	11.38
23 21 13 23-2502 EA 1" Diameter Chrome Plated Nipple, 3" Length.....	32.26	14.63
23 21 13 23-2503 EA 1-1/4" Diameter Chrome Plated Nipple, 3" Length.....	44.70	20.08
23 21 13 23-2504 EA 1-1/2" Diameter Chrome Plated Nipple, 3" Length.....	57.20	23.33
23 21 13 23-2505 EA 2" Diameter Chrome Plated Nipple, 3" Length.....	69.51	28.77
23 21 13 23-2506 3-1/2" Nipples <small>(23 21 13 23-2465)</small>		
23 21 13 23-2507 EA 1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	16.47	7.88
23 21 13 23-2508 EA 3/8" Diameter Chrome Plated Nipple, 3-1/2" Length.....	16.55	8.38
23 21 13 23-2509 EA 1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	19.34	9.51
23 21 13 23-2510 EA 3/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	26.12	11.63
23 21 13 23-2511 EA 1" Diameter Chrome Plated Nipple, 3-1/2" Length.....	33.43	14.88
23 21 13 23-2512 EA 1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	48.67	20.33
23 21 13 23-2513 EA 1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	59.04	23.58
23 21 13 23-2514 EA 2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	73.17	29.03
23 21 13 23-2515 4" Nipples <small>(23 21 13 23-2465)</small>		
23 21 13 23-2516 EA 1/4" Diameter Chrome Plated Nipple, 4" Length.....	17.13	8.12
23 21 13 23-2517 EA 3/8" Diameter Chrome Plated Nipple, 4" Length.....	16.99	8.70
23 21 13 23-2518 EA 1/2" Diameter Chrome Plated Nipple, 4" Length.....	19.33	9.18
23 21 13 23-2519 EA 3/4" Diameter Chrome Plated Nipple, 4" Length.....	27.01	11.95
23 21 13 23-2520 EA 1" Diameter Chrome Plated Nipple, 4" Length.....	34.55	15.20
23 21 13 23-2521 EA 1-1/4" Diameter Chrome Plated Nipple, 4" Length.....	51.73	20.57
23 21 13 23-2522 EA 1-1/2" Diameter Chrome Plated Nipple, 4" Length.....	62.65	23.82
23 21 13 23-2523 EA 2" Diameter Chrome Plated Nipple, 4" Length.....	77.59	29.27
23 21 13 23-2524 4-1/2" Nipples <small>(23 21 13 23-2465)</small>		
23 21 13 23-2525 EA 1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	17.75	8.38
23 21 13 23-2526 EA 3/8" Diameter Chrome Plated Nipple, 4-1/2" Length.....	18.20	8.94
23 21 13 23-2527 EA 1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	21.15	10.00
23 21 13 23-2528 EA 3/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	28.04	12.19
23 21 13 23-2529 EA 1" Diameter Chrome Plated Nipple, 4-1/2" Length.....	38.09	15.44
23 21 13 23-2530 EA 1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	54.69	20.89
23 21 13 23-2531 EA 1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	64.34	24.14
23 21 13 23-2532 EA 2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	81.68	29.59
23 21 13 23-2533 5" Nipples <small>(23 21 13 23-2465)</small>		
23 21 13 23-2534 EA 1/4" Diameter Chrome Plated Nipple, 5" Length.....	19.49	8.70
23 21 13 23-2535 EA 3/8" Diameter Chrome Plated Nipple, 5" Length.....	18.99	9.18
23 21 13 23-2536 EA 1/2" Diameter Chrome Plated Nipple, 5" Length.....	21.85	10.32
23 21 13 23-2537 EA 3/4" Diameter Chrome Plated Nipple, 5" Length.....	29.03	12.43
23 21 13 23-2538 EA 1" Diameter Chrome Plated Nipple, 5" Length.....	40.29	15.69
23 21 13 23-2539 EA 1-1/4" Diameter Chrome Plated Nipple, 5" Length.....	57.38	21.13
23 21 13 23-2540 EA 1-1/2" Diameter Chrome Plated Nipple, 5" Length.....	67.97	24.38
23 21 13 23-2541 EA 2" Diameter Chrome Plated Nipple, 5" Length.....	84.36	29.83
23 21 13 23-2542 5-1/2" Nipples <small>(23 21 13 23-2465)</small>		
23 21 13 23-2543 EA 1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	20.13	8.94
23 21 13 23-2544 EA 3/8" Diameter Chrome Plated Nipple, 5-1/2" Length.....	19.64	9.51
23 21 13 23-2545 EA 1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	23.59	10.57
23 21 13 23-2546 EA 3/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	30.01	12.77
23 21 13 23-2547 EA 1" Diameter Chrome Plated Nipple, 5-1/2" Length.....	41.51	16.02
23 21 13 23-2548 EA 1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	60.61	21.38
23 21 13 23-2549 EA 1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	70.87	24.64
23 21 13 23-2550 EA 2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	87.76	30.08
23 21 13 23-2551 6" Nipples <small>(23 21 13 23-2465)</small>		
23 21 13 23-2552 EA 1/4" Diameter Chrome Plated Nipple, 6" Length.....	20.84	9.18
23 21 13 23-2553 EA 3/8" Diameter Chrome Plated Nipple, 6" Length.....	20.08	9.76
23 21 13 23-2554 EA 1/2" Diameter Chrome Plated Nipple, 6" Length.....	24.28	10.81
23 21 13 23-2555 EA 3/4" Diameter Chrome Plated Nipple, 6" Length.....	30.84	13.01
23 21 13 23-2556 EA 1" Diameter Chrome Plated Nipple, 6" Length.....	44.94	16.26
23 21 13 23-2557 EA 1-1/4" Diameter Chrome Plated Nipple, 6" Length.....	62.66	21.71
23 21 13 23-2558 EA 1-1/2" Diameter Chrome Plated Nipple, 6" Length.....	75.29	24.96
23 21 13 23-2559 EA 2" Diameter Chrome Plated Nipple, 6" Length.....	90.86	30.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2560			8" Nipples (23 21 13 23-2465)		
23 21 13 23-2561	EA		3/8" Diameter Chrome Plated Nipple, 8" Length.....	23.28	10.32
23 21 13 23-2562	EA		1/2" Diameter Chrome Plated Nipple, 8" Length.....	32.48	11.38
23 21 13 23-2563	EA		3/4" Diameter Chrome Plated Nipple, 8" Length.....	39.35	13.57
23 21 13 23-2564	EA		1" Diameter Chrome Plated Nipple, 8" Length.....	51.69	16.82
23 21 13 23-2565	EA		1-1/4" Diameter Chrome Plated Nipple, 8" Length.....	73.21	22.19
23 21 13 23-2566	EA		1-1/2" Diameter Chrome Plated Nipple, 8" Length.....	89.01	25.44
23 21 13 23-2567	EA		2" Diameter Chrome Plated Nipple, 8" Length.....	109.42	30.89
23 21 13 23-2568			10" Nipples (23 21 13 23-2465)		
23 21 13 23-2569	EA		3/8" Diameter Chrome Plated Nipple, 10" Length.....	26.07	10.32
23 21 13 23-2570	EA		1/2" Diameter Chrome Plated Nipple, 10" Length.....	35.98	11.38
23 21 13 23-2571	EA		3/4" Diameter Chrome Plated Nipple, 10" Length.....	43.41	13.57
23 21 13 23-2572	EA		1" Diameter Chrome Plated Nipple, 10" Length.....	57.83	16.82
23 21 13 23-2573	EA		1-1/4" Diameter Chrome Plated Nipple, 10" Length.....	86.36	22.19
23 21 13 23-2574	EA		1-1/2" Diameter Chrome Plated Nipple, 10" Length.....	99.03	25.44
23 21 13 23-2575	EA		2" Diameter Chrome Plated Nipple, 10" Length.....	125.43	30.89
23 21 13 23-2576			12" Nipples (23 21 13 23-2465)		
23 21 13 23-2577	EA		3/8" Diameter Chrome Plated Nipple, 12" Length.....	29.03	11.38
23 21 13 23-2578	EA		1/2" Diameter Chrome Plated Nipple, 12" Length.....	37.67	11.95
23 21 13 23-2579	EA		3/4" Diameter Chrome Plated Nipple, 12" Length.....	47.49	14.06
23 21 13 23-2580	EA		1" Diameter Chrome Plated Nipple, 12" Length.....	66.96	17.88
23 21 13 23-2581	EA		1-1/4" Diameter Chrome Plated Nipple, 12" Length.....	96.07	23.33
23 21 13 23-2582	EA		2" Diameter Chrome Plated Nipple, 12" Length.....	139.91	32.03
23 21 13 23-2583			18" Nipples (23 21 13 23-2465)		
23 21 13 23-2584	EA		3/8" Diameter Chrome Plated Nipple, 18" Length.....	35.72	11.95
23 21 13 23-2585			24" Nipples (23 21 13 23-2465)		
23 21 13 23-2586	EA		3/8" Diameter Chrome Plated Nipple, 24" Length.....	42.13	12.43
23 21 13 23-2587			30" Nipples (23 21 13 23-2465)		
23 21 13 23-2588	EA		3/8" Diameter Chrome Plated Nipple, 30" Length.....	46.32	13.01
23 21 13 23-2589			36" Nipples (23 21 13 23-2465)		
23 21 13 23-2590	EA		3/8" Diameter Chrome Plated Nipple, 36" Length.....	50.53	13.57
23 21 13 23-2591			Chrome Plated Fittings (23 21 13 23-2464)		
23 21 13 23-2592			Chrome Plated 90 Degree Elbows (23 21 13 23-2591)		
23 21 13 23-2593	EA		1/4" 90 Degree Elbow, Chrome Plated.....	16.06	7.56
23 21 13 23-2594	EA		3/8" 90 Degree Elbow, Chrome Plated.....	16.57	8.12
23 21 13 23-2595	EA		1/2" 90 Degree Elbow, Chrome Plated.....	18.42	8.70
23 21 13 23-2596	EA		3/4" 90 Degree Elbow, Chrome Plated.....	23.67	11.38
23 21 13 23-2597	EA		1" 90 Degree Elbow, Chrome Plated.....	31.73	14.63
23 21 13 23-2598	EA		1-1/4" 90 Degree Elbow, Chrome Plated.....	47.61	20.08
23 21 13 23-2599	EA		1-1/2" 90 Degree Elbow, Chrome Plated.....	56.82	23.33
23 21 13 23-2600	EA		2" 90 Degree Elbow, Chrome Plated.....	76.23	28.77
23 21 13 23-2601			Chrome Plated Street 90 Degree Elbows (23 21 13 23-2591)		
23 21 13 23-2602	EA		1/4" Street 90 Degree Elbow, Chrome Plated.....	18.02	7.56
23 21 13 23-2603	EA		3/8" Street 90 Degree Elbow, Chrome Plated.....	18.72	8.12
23 21 13 23-2604	EA		1/2" Street 90 Degree Elbow, Chrome Plated.....	19.92	8.70
23 21 13 23-2605	EA		3/4" Street 90 Degree Elbow, Chrome Plated.....	25.87	11.38
23 21 13 23-2606	EA		1" Street 90 Degree Elbow, Chrome Plated.....	35.80	14.63
23 21 13 23-2607	EA		1-1/4" Street 90 Degree Elbow, Chrome Plated.....	51.78	20.08
23 21 13 23-2608	EA		1-1/2" Street 90 Degree Elbow, Chrome Plated.....	62.66	23.33
23 21 13 23-2609	EA		2" Street 90 Degree Elbow, Chrome Plated.....	89.99	28.77
23 21 13 23-2610			Chrome Plated 45 Degree Elbows (23 21 13 23-2591)		
23 21 13 23-2611	EA		1/4" 45 Degree Elbow, Chrome Plated.....	16.49	7.56
23 21 13 23-2612	EA		3/8" 45 Degree Elbow, Chrome Plated.....	17.19	8.12
23 21 13 23-2613	EA		1/2" 45 Degree Elbow, Chrome Plated.....	18.87	8.70
23 21 13 23-2614	EA		3/4" 45 Degree Elbow, Chrome Plated.....	25.35	11.38
23 21 13 23-2615	EA		1" 45 Degree Elbow, Chrome Plated.....	33.62	14.63
23 21 13 23-2616	EA		1-1/4" 45 Degree Elbow, Chrome Plated.....	49.87	20.08
23 21 13 23-2617	EA		1-1/2" 45 Degree Elbow, Chrome Plated.....	59.84	23.33
23 21 13 23-2618	EA		2" 45 Degree Elbow, Chrome Plated.....	84.55	28.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	2619	Chrome Plated Street 45 Degree Elbows <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2620	EA 1/2" Street 45 Degree Elbow, Chrome Plated.....	21.56	8.70
23 21	13 23-	2621	Chrome Plated Couplings <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2622	EA 1/4" Coupling, Chrome Plated.....	15.79	7.56
	23 21	13 23-2623	EA 3/8" Coupling, Chrome Plated.....	16.60	8.12
	23 21	13 23-2624	EA 1/2" Coupling, Chrome Plated.....	18.53	8.70
	23 21	13 23-2625	EA 3/4" Coupling, Chrome Plated.....	23.71	11.38
	23 21	13 23-2626	EA 1" Coupling, Chrome Plated.....	30.80	14.63
	23 21	13 23-2627	EA 1-1/4" Coupling, Chrome Plated.....	44.22	20.08
	23 21	13 23-2628	EA 1-1/2" Coupling, Chrome Plated.....	53.98	23.33
	23 21	13 23-2629	EA 2" Coupling, Chrome Plated.....	72.77	28.77
23 21	13 23-	2630	Chrome Plated Unions <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2631	EA 1/4" Union, Chrome Plated.....	23.67	8.70
	23 21	13 23-2632	EA 3/8" Union, Chrome Plated.....	24.49	9.18
	23 21	13 23-2633	EA 1/2" Union, Chrome Plated.....	29.19	10.32
	23 21	13 23-2634	EA 3/4" Union, Chrome Plated.....	36.58	13.57
	23 21	13 23-2635	EA 1" Union, Chrome Plated.....	46.37	17.32
	23 21	13 23-2636	EA 1-1/4" Union, Chrome Plated.....	72.85	23.33
	23 21	13 23-2637	EA 1-1/2" Union, Chrome Plated.....	90.04	27.64
	23 21	13 23-2638	EA 2" Union, Chrome Plated.....	116.30	33.66
23 21	13 23-	2639	Chrome Plated Caps <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2640	EA 1/4" Cap, Chrome Plated.....	9.99	3.83
	23 21	13 23-2641	EA 3/8" Cap, Chrome Plated.....	10.39	4.07
	23 21	13 23-2642	EA 1/2" Cap, Chrome Plated.....	11.72	4.31
	23 21	13 23-2643	EA 3/4" Cap, Chrome Plated.....	14.76	5.69
	23 21	13 23-2644	EA 1" Cap, Chrome Plated.....	17.80	7.32
	23 21	13 23-2645	EA 1-1/4" Cap, Chrome Plated.....	25.92	10.00
	23 21	13 23-2646	EA 1-1/2" Cap, Chrome Plated.....	33.40	11.63
	23 21	13 23-2647	EA 2" Cap, Chrome Plated.....	47.95	15.20
23 21	13 23-	2648	Chrome Plated Plugs <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2649	EA 1/4" Plug, Chrome Plated.....	8.50	3.83
	23 21	13 23-2650	EA 3/8" Plug, Chrome Plated.....	8.90	4.07
	23 21	13 23-2651	EA 1/2" Plug, Chrome Plated.....	10.15	4.31
	23 21	13 23-2652	EA 3/4" Plug, Chrome Plated.....	13.64	5.69
	23 21	13 23-2653	EA 1" Plug, Chrome Plated.....	16.96	7.32
	23 21	13 23-2654	EA 1-1/4" Plug, Chrome Plated.....	22.97	10.00
	23 21	13 23-2655	EA 1-1/2" Plug, Chrome Plated.....	28.00	11.63
	23 21	13 23-2656	EA 2" Plug, Chrome Plated.....	38.56	15.20
23 21	13 23-	2657	Chrome Plated Tees <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2658	EA 1/4" Tee, Chrome Plated.....	22.72	11.38
	23 21	13 23-2659	EA 3/8" Tee, Chrome Plated.....	24.34	12.43
	23 21	13 23-2660	EA 1/2" Tee, Chrome Plated.....	26.97	13.57
	23 21	13 23-2661	EA 3/4" Tee, Chrome Plated.....	33.55	16.82
	23 21	13 23-2662	EA 1" Tee, Chrome Plated.....	46.65	21.71
	23 21	13 23-2663	EA 1-1/4" Tee, Chrome Plated.....	64.27	29.83
	23 21	13 23-2664	EA 1-1/2" Tee, Chrome Plated.....	80.61	34.71
	23 21	13 23-2665	EA 2" Tee, Chrome Plated.....	108.29	42.84
23 21	13 23-	2666	Chrome Plated Reducing 90 Degree Elbows <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2667	EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	25.96	13.57
	23 21	13 23-2668	EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	30.84	16.82
23 21	13 23-	2669	Chrome Plated Bell Reducers <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2670	EA 1/2" x 3/8" Bell Reducer, Chrome Plated.....	27.78	13.57
	23 21	13 23-2671	EA 3/4" x 1/2" Bell Reducer, Chrome Plated.....	33.96	16.82
	23 21	13 23-2672	EA 1" x 1/2" Bell Reducer, Chrome Plated.....	43.31	21.71
23 21	13 23-	2673	Chrome Plated Reducing Tees <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2674	EA 3/4" x 1/2" Reducing Tee, Chrome Plated.....	36.26	16.82
23 21	13 23-	2675	Chrome Plated Bushings <small>(23 21 13 23-2591)</small>		
	23 21	13 23-2676	EA 3/8" x 1/4" Bushing, Chrome Plated.....	8.45	3.83
	23 21	13 23-2677	EA 1/2" x 1/4" Bushing, Chrome Plated.....	9.08	4.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2678	EA	1/2" x 3/8" Bushing, Chrome Plated.....	9.49	4.31
23 21	13 23-2679	EA	3/4" x 1/2" Bushing, Chrome Plated.....	12.16	5.69
23 21	13 23-2680	EA	1" x 3/4" Bushing, Chrome Plated.....	17.25	7.32
23 21	13 23-2681	EA	1-1/4" x 1" Bushing, Chrome Plated.....	24.91	10.00
23 21	13 23-2682		Aluminum Tubing Assemblies <small>(23 21 13 23)</small> Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21	13 23-2683	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	6.37	2.85
23 21	13 23-2684	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	7.28	3.25
23 21	13 23-2685	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.13	3.65
23 21	13 23-2686	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.97	4.07
23 21	13 23-2687	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.90	4.47
23 21	13 23-2688	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.09	4.87
23 21	13 23-2689	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.89	5.61
23 21	13 23-2690	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.26	6.37
23 21	13 23-2691	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	17.42	7.11
23 21	13 23-2692	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	19.76	7.48
23 21	16		Hydronic Piping Specialties <small>(23 21)</small>		
23 21	16 00-0001		Vent Valves <small>(23 21 16)</small>		
23 21	16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	46.98	12.20
23 21	16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	104.30	13.11
23 21	16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	99.77	13.11
23 21	16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	102.94	13.11
23 21	16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	130.68	13.11
23 21	16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	98.52	13.11
23 21	16 00-0008		Drip-Pan Elbow Threaded Inlet <small>(23 21 16)</small>		
23 21	16 00-0009		Cast Iron <small>(23 21 16 00-0008)</small>		
23 21	16 00-0010	EA	2-1/2" Cast Iron Drip-Pan Elbow Threaded Inlet..... <i>For Flanged Inlet, Add</i>	163.98 56.37	20.47
23 21	16 00-0011	EA	3" Cast Iron Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	186.81 60.51	24.26
23 21	16 00-0012	EA	3-1/2" Cast Iron Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	233.20 81.63	28.05
23 21	16 00-0013	EA	4" Cast Iron Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	339.70 143.62	31.84
23 21	16 00-0014	EA	5" Cast Iron Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	385.11 158.77	37.91
23 21	16 00-0015	EA	6" Cast Iron Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	530.73 232.01	47.77
23 21	16 00-0016	EA	8" Cast Iron Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	1,160.63 617.38	62.93
23 21	16 00-0017		Cast Steel <small>(23 21 16 00-0008)</small>		
23 21	16 00-0018	EA	2-1/2" Cast Steel Drip-Pan Elbow Threaded Inlet..... <i>For Flanged Inlet, Add</i>	243.15 110.20	20.47
23 21	16 00-0019	EA	3" Cast Steel Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	294.21 133.54	24.26
23 21	16 00-0020	EA	3-1/2" Cast Steel Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	405.83 199.02	28.05
23 21	16 00-0021	EA	4" Cast Steel Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	421.17 199.02	31.84
23 21	16 00-0022	EA	5" Cast Steel Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	588.30 296.94	37.91
23 21	16 00-0023	EA	6" Cast Steel Drip-Pan Elbow Threaded Inlet <i>For Flanged Inlet, Add</i>	626.21 296.94	47.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0024 EA 8" Cast Steel Drip-Pan Elbow Threaded Inlet..... <i>For Flanged Inlet, Add</i>	1,002.59 509.91	62.93
23 21 16 00-0025 Strainers (23 21 16)		
23 21 16 00-0026 Y-Type Iron Body Strainers, 250 LB, Screwed Ends (23 21 16 00-0025)		
23 21 16 00-0027 EA 1/4" Or 3/8" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.07 7.52 7.81	9.10
23 21 16 00-0028 EA 1/2" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.47 7.52 7.93	9.28
23 21 16 00-0029 EA 3/4" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.74 8.98 10.74	12.53
23 21 16 00-0030 EA 1" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.95 12.13 12.81	14.97
23 21 16 00-0031 EA 1-1/4" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.11 16.62 15.86	18.50
23 21 16 00-0032 EA 1-1/2" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.96 20.02 17.08	19.92
23 21 16 00-0033 EA 2" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.69 30.82 19.52	22.77
23 21 16 00-0034 EA 2-1/2" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.87 69.27 24.40	28.46
23 21 16 00-0035 EA 3" Strainer, Iron Body, Y-Type, 250 LB, Screwed Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.65 90.50 30.50	35.62
23 21 16 00-0036 Y-Type Iron Body Strainers, 125 LB, Flanged Ends (23 21 16 00-0025)		
23 21 16 00-0037 EA 1-1/2" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.25 45.46 24.40	40.66
23 21 16 00-0038 EA 2" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.05 49.20 30.50	50.83
23 21 16 00-0039 EA 3" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	397.20 117.28 48.80	81.33
23 21 16 00-0040 EA 4" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	469.49 133.09 61.00	101.66
23 21 16 00-0041 EA 5" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	588.12 148.89 87.10	145.17
23 21 16 00-0042 EA 6" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	708.56 184.92 101.62	169.12
23 21 16 00-0043 EA 8" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,134.85 364.19 121.94	203.24
23 21 16 00-0044 EA 10" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,131.51 811.71 152.43	254.05
23 21 16 00-0045 EA 12" Strainer, Iron Body, Y-Type, 125 LB, Flanged Ends..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,413.84 844.00 217.76	362.92
23 21 16 00-0046 Y-Type Bronze Body Strainers, 150 LB Screwed Ends (23 21 16 00-0025)		
Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.22 21.74 7.93	9.28
23 21 16 00-0048 EA 3/4" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.42 28.27 10.74	12.53
23 21 16 00-0049 EA 1" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.63 35.60 12.81	14.97
23 21 16 00-0050 EA 1-1/4" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.09 44.57 15.86	18.50
23 21 16 00-0051 EA 1-1/2" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.98 57.89 17.08	19.92

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0052	EA		2" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.38 94.04 19.52	22.77
23 21 16 00-0053	EA		2-1/2" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.62 155.19 24.40	28.46
23 21 16 00-0054	EA		3" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.94 321.78 30.50	35.62
23 21 16 00-0055	EA		4" Strainer, Bronze Body, Y-Type, 150 LB, Screwed Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	481.22 610.69 36.60	42.69
23 21 16 00-0056			Y-Type Bronze Body Strainers, 150 LB, Flanged Ends <small>(23 21 16 00-0025)</small> Note: With bolted cap.		
23 21 16 00-0057	EA		2" Strainer, Bronze Body, Y-Type, 150 LB, Flanged Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.55 95.33 30.50	50.83
23 21 16 00-0058	EA		2-1/2" Strainer, Bronze Body, Y-Type, 150 LB, Flanged Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.45 97.13 39.77	66.28
23 21 16 00-0059	EA		3" Strainer, Bronze Body, Y-Type, 150 LB, Flanged Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	348.02 111.22 48.80	81.33
23 21 16 00-0060	EA		4" Strainer, Bronze Body, Y-Type, 150 LB, Flanged Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	653.74 270.25 61.00	101.66
23 21 16 00-0061	EA		6" Strainer, Bronze Body, Y-Type, 150 LB, Flanged Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,021.49 409.66 101.62	169.12
23 21 16 00-0062	EA		8" Strainer, Bronze Body, Y-Type, 150 LB, Flanged Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,571.67 699.11 121.94	203.24
23 21 16 00-0063	EA		10" Strainer, Bronze Body, Y-Type, 150 LB, Flanged Ends..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,690.12 2,509.22 152.43	254.05
23 21 16 00-0064			Cast Iron Body Suction Diffuser <small>(23 21 16)</small> Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065	EA		2" x 1-1/2" Threaded Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	392.17 15.69	32.04
23 21 16 00-0066	EA		2" x 2" Threaded Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	411.56 17.43	35.54
23 21 16 00-0067	EA		2-1/2" x 2" Threaded Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	417.89 18.31	37.33
23 21 16 00-0068	EA		2-1/2" x 2-1/2" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	707.54 20.57	41.97
23 21 16 00-0069	EA		3" x 1-1/2" Threaded Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	431.14 21.26	43.43
23 21 16 00-0070	EA		3" x 2" Threaded Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	488.92 21.26	43.43
23 21 16 00-0071	EA		3" x 2-1/2" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	742.34 23.87	48.72
23 21 16 00-0072	EA		3" x 3" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	749.18 24.91	50.83
23 21 16 00-0073	EA		4" x 3" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	907.15 36.61	74.74
23 21 16 00-0074	EA		4" x 4" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,049.30 43.57	88.89
23 21 16 00-0075	EA		6" x 4" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,300.95 66.04	134.79
23 21 16 00-0076	EA		6" x 6" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,577.66 72.59	148.15
23 21 16 00-0077	EA		8" x 6" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,720.70 77.77	158.75
23 21 16 00-0078	EA		8" x 8" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	2,802.02 87.10	177.76
23 21 16 00-0079	EA		10" x 8" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	3,157.71 97.96	199.90
23 21 16 00-0080	EA		10" x 10" Flanged Cast Iron Suction Diffuser, 175 PSI..... <i>For Work In Restricted Working Space, Add</i>	3,768.48 108.88	222.18
23 21 16 00-0081			Duplex Strainers <small>(23 21 16)</small>		
23 21 16 00-0082			Iron Body Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0083			Iron Body Duplex Strainers, Screwed, Bronze Diverter <small>(23 21 16 00-0082)</small> Note: 125 LB flanged, with brass or stainless steel basket.		
23 21 16 00-0084	EA		3/4" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket..... <i>For Work In Restricted Working Space, Add</i>	366.69 12.16	20.25
23 21 16 00-0085	EA		1" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket..... <i>For Work In Restricted Working Space, Add</i>	409.92 13.92	23.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0086	EA			1-1/4" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	552.19	27.24
				<i>For Work In Restricted Working Space, Add</i>	16.34	
23 21 16 00-0087	EA			1-1/2" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	691.30	29.68
				<i>For Work In Restricted Working Space, Add</i>	17.81	
23 21 16 00-0088	EA			2" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	923.68	36.19
				<i>For Work In Restricted Working Space, Add</i>	21.79	
23 21 16 00-0089	EA			2-1/2" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	1,162.89	46.36
				<i>For Work In Restricted Working Space, Add</i>	27.81	
23 21 16 00-0090				Iron Body Duplex Strainers, Flanged, Bronze Diverter <small>(23 21 16 00-0082)</small>		
				Note: 125 LB flanged, with brass or stainless steel basket.		
23 21 16 00-0091	EA			2" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	1,246.06	53.92
				<i>For Work In Restricted Working Space, Add</i>	32.37	
23 21 16 00-0092	EA			2-1/2" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	1,460.97	144.44
				<i>For Work In Restricted Working Space, Add</i>	86.66	
23 21 16 00-0093	EA			3" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	1,883.50	185.84
				<i>For Work In Restricted Working Space, Add</i>	111.49	
23 21 16 00-0094	EA			4" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	2,765.66	193.44
				<i>For Work In Restricted Working Space, Add</i>	116.23	
23 21 16 00-0095	EA			6" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	5,337.11	290.34
				<i>For Work In Restricted Working Space, Add</i>	174.20	
23 21 16 00-0096	EA			8" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	9,869.90	348.41
				<i>For Work In Restricted Working Space, Add</i>	209.03	
23 21 16 00-0097	EA			10" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	13,498.37	395.95
				<i>For Work In Restricted Working Space, Add</i>	237.57	
23 21 16 00-0098	EA			12" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	15,158.60	512.45
				<i>For Work In Restricted Working Space, Add</i>	307.56	
23 21 16 00-0099	EA			14" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	18,367.26	622.05
				<i>For Work In Restricted Working Space, Add</i>	373.23	
23 21 16 00-0100	EA			16" Duplex Strainer, Iron Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	23,214.32	871.02
				<i>For Work In Restricted Working Space, Add</i>	522.73	
23 21 16 00-0101				Bronze Body Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0102				Bronze Body Duplex Strainers, Screwed, Bronze Diverter <small>(23 21 16 00-0101)</small>		
				Note: 125 LB flanged, with brass or stainless steel basket.		
23 21 16 00-0103	EA			3/4" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	669.06	20.34
				<i>For Work In Restricted Working Space, Add</i>	12.16	
23 21 16 00-0104	EA			1" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	742.87	23.18
				<i>For Work In Restricted Working Space, Add</i>	13.92	
23 21 16 00-0105	EA			1-1/4" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	1,082.19	27.24
				<i>For Work In Restricted Working Space, Add</i>	16.34	
23 21 16 00-0106	EA			1-1/2" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	1,418.35	29.68
				<i>For Work In Restricted Working Space, Add</i>	17.81	
23 21 16 00-0107	EA			2" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	1,830.80	36.19
				<i>For Work In Restricted Working Space, Add</i>	21.79	
23 21 16 00-0108	EA			2-1/2" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	2,250.07	46.36
				<i>For Work In Restricted Working Space, Add</i>	27.81	
23 21 16 00-0109				Bronze Body Duplex Strainers, Flanged, Bronze Diverter <small>(23 21 16 00-0101)</small>		
				Note: 125 LB flanged, with brass or stainless steel basket.		
23 21 16 00-0110	EA			2" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	2,554.07	54.09
				<i>For Work In Restricted Working Space, Add</i>	32.37	
23 21 16 00-0111	EA			2-1/2" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	2,802.96	144.36
				<i>For Work In Restricted Working Space, Add</i>	86.66	
23 21 16 00-0112	EA			3" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	3,837.03	185.84
				<i>For Work In Restricted Working Space, Add</i>	111.49	
23 21 16 00-0113	EA			4" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	5,857.33	193.44
				<i>For Work In Restricted Working Space, Add</i>	116.23	
23 21 16 00-0114	EA			6" Duplex Strainer, Bronze Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	12,607.65	290.34
				<i>For Work In Restricted Working Space, Add</i>	174.20	
23 21 16 00-0115				Cast Steel Body Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0116				Cast Steel Body Duplex Strainers, Screwed, Bronze Diverter <small>(23 21 16 00-0115)</small>		
				Note: 125 LB flanged, with brass or stainless steel basket.		
23 21 16 00-0117	EA			1" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	1,035.66	23.18
				<i>For Work In Restricted Working Space, Add</i>	13.92	
23 21 16 00-0118	EA			1-1/4" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	1,274.53	27.24
				<i>For Work In Restricted Working Space, Add</i>	16.34	
23 21 16 00-0119	EA			1-1/2" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	1,510.29	29.68
				<i>For Work In Restricted Working Space, Add</i>	17.81	
23 21 16 00-0120	EA			2" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Screwed, With Brass Or Stainless Steel Basket.....	2,545.76	36.19
				<i>For Work In Restricted Working Space, Add</i>	21.79	
23 21 16 00-0121				Cast Steel Body Duplex Strainers, Flanged, Bronze Diverter <small>(23 21 16 00-0115)</small>		
				Note: 125 LB flanged, with brass or stainless steel basket.		
23 21 16 00-0122	EA			2" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket.....	2,597.55	54.09
				<i>For Work In Restricted Working Space, Add</i>	32.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0123 EA 2-1/2" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	3,025.75 86.64	144.36
23 21 16 00-0124 EA 3" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket..... <i>For Work In Restricted Working Space, Add</i>	3,982.49 111.51	185.84
23 21 16 00-0125 EA 4" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket..... <i>For Work In Restricted Working Space, Add</i>	5,679.80 116.18	193.44
23 21 16 00-0126 EA 6" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket..... <i>For Work In Restricted Working Space, Add</i>	9,681.19 174.01	290.34
23 21 16 00-0127 EA 8" Duplex Strainer, Cast Steel Body, Bronze Diverter, 125 LB, Flanged, With Brass Or Stainless Steel Basket..... <i>For Work In Restricted Working Space, Add</i>	18,568.61 208.81	348.41
23 21 16 00-0128 Stainless Steel Body Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0129 Stainless Steel Body Duplex Strainers, Screwed <small>(23 21 16 00-0128)</small> Note: Stainless steel diverter, 125 LB flanged, with stainless steel basket.		
23 21 16 00-0130 EA 1" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Screwed, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	4,343.47 13.92	23.18
23 21 16 00-0131 EA 1-1/4" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Screwed, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	5,489.45 16.34	27.24
23 21 16 00-0132 EA 1-1/2" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Screwed, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	6,624.35 17.81	29.68
23 21 16 00-0133 EA 2" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Screwed, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	10,616.36 21.79	36.19
23 21 16 00-0134 Stainless Steel Body Duplex Strainers, Flanged <small>(23 21 16 00-0128)</small> Note: Stainless steel diverter, 125 LB flanged, with stainless steel basket.		
23 21 16 00-0135 EA 2" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Flanged, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	11,089.32 32.38	54.09
23 21 16 00-0136 EA 2-1/2" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Flanged, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	11,827.23 86.64	144.36
23 21 16 00-0137 EA 3" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Flanged, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	18,514.89 111.51	185.84
23 21 16 00-0138 EA 4" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Flanged, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	22,509.22 116.18	193.44
23 21 16 00-0139 EA 6" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Flanged, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	39,571.95 174.01	290.34
23 21 16 00-0140 EA 8" Duplex Strainer, Stainless Steel Body, Stainless Diverter, 125 LB, Flanged, With Stainless Steel Basket <i>For Work In Restricted Working Space, Add</i>	72,950.46 208.81	348.41
23 21 16 00-0141 Wall Seals And Sleeves <small>(23 21 16)</small> Note: Up to 12" walls. Excludes drilling hole.		
23 21 16 00-0142 Ductile Iron Wall Sleeve <small>(23 21 16 00-0141)</small> Note: Includes rubber gasket seal.		
23 21 16 00-0143 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	87.74	35.62
23 21 16 00-0144 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	108.21	41.61
23 21 16 00-0145 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	132.27	49.92
23 21 16 00-0146 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	187.90	74.84
23 21 16 00-0147 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	241.74	99.76
23 21 16 00-0148 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	298.05	124.75
23 21 16 00-0149 Steel Pipe Sleeves <small>(23 21 16 00-0141)</small> Note: Includes link seals 12" length.		
23 21 16 00-0150 EA 2" Steel Pipe Sleeve With Link Seals.....	90.24	36.08
23 21 16 00-0151 EA 2-1/2" Steel Pipe Sleeve With Link Seals.....	107.72	39.12
23 21 16 00-0152 EA 3" Steel Pipe Sleeve With Link Seals.....	124.49	42.16
23 21 16 00-0153 EA 4" Steel Pipe Sleeve With Link Seals.....	152.90	50.57
23 21 16 00-0154 EA 6" Steel Pipe Sleeve With Link Seals.....	215.34	63.16
23 21 16 00-0155 EA 10" Steel Pipe Sleeve With Link Seals.....	360.60	75.82
23 21 16 00-0156 EA 13.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	398.74	94.77
23 21 16 00-0157 EA 17.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	565.20	116.61
23 21 16 00-0158 EA 23.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	768.47	151.63
23 21 16 00-0159 EA 29.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	797.37	189.54
23 21 16 00-0160 Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0161 Water Pressure Reducing Valve Threaded <small>(23 21 16 00-0160)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0162 EA 1/2" Water Pressure Reducing Valve, Iron Construction, Threaded <i>For Work In Restricted Working Space, Add</i>	99.36 12.19	10.16
23 21 16 00-0163 EA 3/4" Water Pressure Reducing Valve, Iron Construction, Threaded <i>For Work In Restricted Working Space, Add</i>	119.99 13.55	11.38
23 21 16 00-0164 EA 1" Water Pressure Reducing Valve, Iron Construction, Threaded <i>For Work In Restricted Working Space, Add</i>	152.15 14.35	12.19
23 21 16 00-0165 EA 1-1/4" Water Pressure Reducing Valve, Iron Construction, Threaded <i>For Work In Restricted Working Space, Add</i>	247.06 16.26	13.66
23 21 16 00-0166 EA 1-1/2" Water Pressure Reducing Valve, Iron Construction, Threaded <i>For Work In Restricted Working Space, Add</i>	331.08 19.51	16.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0167 EA 2" Water Pressure Reducing Valve, Iron Construction, Threaded.....	477.70	24.92
<i>For Work In Restricted Working Space, Add</i>	29.93	
23 21 16 00-0168 EA 2-1/2" Water Pressure Reducing Valve, Iron Construction, Threaded.....	521.50	28.06
<i>For Work In Restricted Working Space, Add</i>	33.68	
23 21 16 00-0169 EA 3" Water Pressure Reducing Valve, Iron Construction, Threaded.....	573.71	81.20
<i>For Work In Restricted Working Space, Add</i>	37.42	
23 21 16 00-0170 Steam Pressure Regulator And Reducer <small>(23 21 16 00-0160)</small>		
Note: Single seated, spring loaded, direct acting diaphragm valve, iron body.		
23 21 16 00-0171 EA 1/2" Steam Pressure Regulator Valve And Reducer, Iron Body, Threaded, Single Seated Spring Loaded Direct Acting Diaphragm.....	160.32	13.67
<i>For Cast Iron Body, Add</i>	132.18	
<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 16 00-0172 EA 3/4" Steam Pressure Regulator Valve And Reducer, Iron Body, Threaded, Single Seated Spring Loaded Direct Acting Diaphragm.....	205.37	19.36
<i>For Cast Iron Body, Add</i>	159.90	
<i>For Work In Restricted Working Space, Add</i>	23.24	
23 21 16 00-0173 EA 1" Steam Pressure Regulator Valve And Reducer, Iron Body, Threaded, Single Seated Spring Loaded Direct Acting Diaphragm.....	261.46	23.59
<i>For Cast Iron Body, Add</i>	208.61	
<i>For Work In Restricted Working Space, Add</i>	28.37	
23 21 16 00-0174 EA 1-1/4" Steam Pressure Regulator Valve And Reducer, Iron Body, Threaded, Single Seated Spring Loaded Direct Acting Diaphragm.....	341.42	28.62
<i>For Cast Iron Body, Add</i>	289.40	
<i>For Work In Restricted Working Space, Add</i>	32.97	
23 21 16 00-0175 EA 1-1/2" Steam Pressure Regulator Valve And Reducer, Iron Body, Threaded, Single Seated Spring Loaded Direct Acting Diaphragm.....	446.97	32.53
<i>For Cast Iron Body, Add</i>	402.31	
<i>For Work In Restricted Working Space, Add</i>	37.54	
23 21 16 00-0176 EA 2" Steam Pressure Regulator Valve And Reducer, Iron Body, Threaded, Single Seated Spring Loaded Direct Acting Diaphragm.....	525.35	45.49
<i>For Cast Iron Body, Add</i>	467.15	
<i>For Work In Restricted Working Space, Add</i>	45.49	
23 21 16 00-0177 EA 2-1/2" Steam Pressure Regulator Valve And Reducer, Iron Body, Flanged, Single Seated Spring Loaded Direct Acting Diaphragm.....	1,146.56	53.37
<i>For Cast Iron Body, Add</i>	1,207.56	
<i>For Work In Restricted Working Space, Add</i>	54.15	
23 21 16 00-0178 EA 3" Steam Pressure Regulator Valve And Reducer, Iron Body, Flanged, Single Seated Spring Loaded Direct Acting Diaphragm.....	1,411.11	60.66
<i>For Cast Iron Body, Add</i>	1,507.75	
<i>For Work In Restricted Working Space, Add</i>	61.47	
23 21 16 00-0179 EA 4" Steam Pressure Regulator Valve And Reducer, Iron Body, Flanged, Single Seated Spring Loaded Direct Acting Diaphragm.....	1,909.05	112.51
<i>For Cast Iron Body, Add</i>	1,900.31	
<i>For Work In Restricted Working Space, Add</i>	116.64	
23 21 16 00-0180 EA 6" Steam Pressure Regulator Valve And Reducer, Iron Body, Flanged, Single Seated Spring Loaded Direct Acting Diaphragm.....	4,430.97	135.83
<i>For Cast Iron Body, Add</i>	4,949.24	
<i>For Work In Restricted Working Space, Add</i>	141.47	
23 21 16 00-0181 Steam Pressure Regulating And Reduced, Externally Piloted <small>(23 21 16 00-0160)</small>		
Note: Cast iron body.		
23 21 16 00-0182 EA 1/2" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Threaded.....	774.56	9.92
<i>For Work In Restricted Working Space, Add</i>	14.88	
23 21 16 00-0183 EA 3/4" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Threaded.....	790.28	9.92
<i>For Work In Restricted Working Space, Add</i>	14.88	
23 21 16 00-0184 EA 1" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Threaded.....	846.96	12.53
<i>For Work In Restricted Working Space, Add</i>	18.79	
23 21 16 00-0185 EA 1-1/4" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Threaded.....	998.55	15.94
<i>For Work In Restricted Working Space, Add</i>	23.91	
23 21 16 00-0186 EA 1-1/2" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Threaded.....	1,143.51	18.38
<i>For Work In Restricted Working Space, Add</i>	27.57	
23 21 16 00-0187 EA 2" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Threaded.....	1,414.82	21.63
<i>For Work In Restricted Working Space, Add</i>	32.45	
23 21 16 00-0188 EA 2-1/2" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Flanged.....	1,793.57	36.24
<i>For Work In Restricted Working Space, Add</i>	54.36	
23 21 16 00-0189 EA 3" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Flanged.....	2,190.31	39.42
<i>For Work In Restricted Working Space, Add</i>	59.14	
23 21 16 00-0190 EA 4" Steam Pressure Regulator And Reducer, Externally Piloted, Cast Iron Body, Flanged.....	3,441.58	87.04
<i>For Work In Restricted Working Space, Add</i>	130.57	
23 21 16 00-0191 Air Pressure Reducing Valve Threaded, Iron Construction <small>(23 21 16 00-0160)</small>		
23 21 16 00-0192 EA 1/2" Air Pressure Reducing Valve, Iron Construction, Threaded.....	109.01	10.57
23 21 16 00-0193 EA 3/4" Air Pressure Reducing Valve, Iron Construction, Threaded.....	132.30	11.71
23 21 16 00-0194 EA 1" Air Pressure Reducing Valve, Iron Construction, Threaded.....	169.31	12.43
23 21 16 00-0195 EA 1-1/4" Air Pressure Reducing Valve, Iron Construction, Threaded.....	278.77	14.15
23 21 16 00-0196 EA 1-1/2" Air Pressure Reducing Valve, Iron Construction, Threaded.....	374.80	16.91
23 21 16 00-0197 EA 2" Air Pressure Reducing Valve, Iron Construction, Threaded.....	539.84	25.90
23 21 16 00-0198 EA 2-1/2" Air Pressure Reducing Valve, Iron Construction, Threaded.....	585.04	28.21
23 21 16 00-0199 EA 3" Air Pressure Reducing Valve, Iron Construction, Threaded.....	647.53	32.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0200 Water Pressure Reducing Valve Threaded <small>(23 21 16 00-0160)</small>		
Note: For building services, bronze construction, with pressure adjustment, union and strainer, factory set at 45 PSI, Adjustable (Watts 25AUB series).		
23 21 16 00-0201 EA 1/2" Water Pressure Reducing Valve, Bronze Construction, Threaded.....	97.24	10.16
23 21 16 00-0202 EA 3/4" Water Pressure Reducing Valve, Bronze Construction, Threaded.....	107.07	11.38
23 21 16 00-0203 EA 1" Water Pressure Reducing Valve, Bronze Construction, Threaded.....	129.65	12.60
23 21 16 00-0204 EA 1-1/4" Water Pressure Reducing Valve, Bronze Construction, Threaded.....	283.05	13.66
23 21 16 00-0205 EA 1-1/2" Water Pressure Reducing Valve, Bronze Construction, Threaded.....	309.37	16.26
23 21 16 00-0206 EA 2" Water Pressure Reducing Valve, Bronze Construction, Threaded.....	485.12	24.92
23 21 16 00-0207 Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0208 EA 1/2" Dual Unit Reducing And Relief Valve.....	111.31	24.81
23 21 16 00-0209 Safety Relief Valve <small>(23 21 16)</small>		
Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210 Bronze Body Safety Valve, Threaded <small>(23 21 16 00-0209)</small>		
Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211 EA 1/2" x 1/2" Threaded Bronze Body Safety Relief Valve.....	50.44	10.16
23 21 16 00-0212 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve.....	65.34	11.18
23 21 16 00-0213 EA 1" x 1" Threaded Bronze Body Safety Relief Valve.....	90.42	13.62
23 21 16 00-0214 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve.....	111.94	14.43
23 21 16 00-0215 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve.....	153.26	19.31
23 21 16 00-0216 EA 2" x 2" Threaded Bronze Body Safety Relief Valve.....	200.67	22.76
23 21 16 00-0217 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve.....	231.69	28.45
23 21 16 00-0218 Temperature And Pressure Relief Valve, Bronze Body, Threaded <small>(23 21 16)</small>		
23 21 16 00-0219 EA 1/2" x 1/2" Temperature And Pressure Relief Valve, Bronze Body, Threaded.....	52.00	20.73
For Cast Iron Body, Add	22.66	
23 21 16 00-0220 EA 3/4" x 3/4" Temperature And Pressure Relief Valve, Bronze Body, Threaded.....	65.90	24.88
For Cast Iron Body, Add	31.58	
23 21 16 00-0221 EA 1" x 1" Temperature And Pressure Relief Valve, Bronze Body, Threaded.....	94.43	33.16
For Cast Iron Body, Add	50.29	
23 21 16 00-0222 EA 1-1/4" x 1-1/4" Temperature And Pressure Relief Valve, Bronze Body, Threaded.....	143.57	35.53
For Cast Iron Body, Add	106.88	
23 21 16 00-0223 EA 1-1/2" x 1-1/2" Temperature And Pressure Relief Valve, Bronze Body, Threaded.....	228.59	39.84
For Cast Iron Body, Add	204.46	
23 21 16 00-0224 EA 2" x 2" Temperature And Pressure Relief Valve, Bronze Body, Threaded.....	271.66	57.25
For Cast Iron Body, Add	222.64	
23 21 16 00-0225 Horizontal Steel Expansion Tanks ASME Code Stamp <small>(23 21 16)</small>		
Note: 150 PSI with glass gauge cocks.		
23 21 16 00-0226 EA 10 Gallon Steel Expansion Tank, ASME Stamp 150 PSI With Gauge Glass And Cocks.....	427.33	81.33
23 21 16 00-0227 EA 15 Gallon Steel Expansion Tank, ASME Stamp 150 PSI With Gauge Glass And Cocks.....	600.34	101.66
23 21 16 00-0228 EA 30 Gallon Steel Expansion Tank, ASME Stamp 150 PSI With Gauge Glass And Cocks.....	783.29	121.99
23 21 16 00-0229 EA 40 Gallon Steel Expansion Tank, ASME Stamp 150 PSI With Gauge Glass And Cocks.....	902.24	142.33
23 21 16 00-0230 EA 60 Gallon Steel Expansion Tank, ASME Stamp 150 PSI With Gauge Glass And Cocks.....	1,033.92	145.17
23 21 16 00-0231 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks, ASME <small>(23 21 16)</small>		
Note: Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0232 EA 7.8 Gallon Horizontal Diaphragm Steel Expansion Tank.....	1,267.54	61.00
23 21 16 00-0233 EA 10.9 Gallon Horizontal Diaphragm Steel Expansion Tank.....	1,321.17	71.16
23 21 16 00-0234 EA 21.7 Gallon Horizontal Diaphragm Steel Expansion Tank.....	1,977.90	81.33
23 21 16 00-0235 EA 33.6 Gallon Horizontal Diaphragm Steel Expansion Tank.....	2,056.99	91.49
23 21 16 00-0236 EA 44.4 Gallon Horizontal Diaphragm Steel Expansion Tank.....	2,795.98	101.66
23 21 16 00-0237 EA 55.7 Gallon Horizontal Diaphragm Steel Expansion Tank.....	2,947.52	111.83
23 21 16 00-0238 EA 68.0 Gallon Horizontal Diaphragm Steel Expansion Tank.....	3,508.30	121.99
23 21 16 00-0239 EA 77.0 Gallon Horizontal Diaphragm Steel Expansion Tank.....	3,753.83	132.15
23 21 16 00-0240 EA 90.0 Gallon Horizontal Diaphragm Steel Expansion Tank.....	4,138.39	142.33
23 21 16 00-0241 EA 110.0 Gallon Horizontal Diaphragm Steel Expansion Tank.....	4,249.54	162.65
23 21 16 00-0242 EA 132.0 Gallon Horizontal Diaphragm Steel Expansion Tank.....	5,337.84	182.99
23 21 16 00-0243 EA 158.0 Gallon Horizontal Diaphragm Steel Expansion Tank.....	6,122.63	203.32
23 21 16 00-0244 EA 211.0 Gallon Horizontal Diaphragm Steel Expansion Tank.....	7,104.72	243.98
23 21 16 00-0245 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks, ASME <small>(23 21 16)</small>		
Note: Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0246 EA 8.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	1,447.69	61.00
23 21 16 00-0247 EA 11.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	1,491.53	71.16
23 21 16 00-0248 EA 22.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	2,142.39	81.33
23 21 16 00-0249 EA 34.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	2,286.10	91.49
23 21 16 00-0250 EA 44.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	2,911.51	101.66
23 21 16 00-0251 EA 56.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	3,061.09	111.83
23 21 16 00-0252 EA 67.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	3,737.41	121.99
23 21 16 00-0253 EA 77.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	4,039.73	132.15
23 21 16 00-0254 EA 91.0 Gallon Vertical Diaphragm Steel Expansion Tank.....	4,469.32	142.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0255 EA 111.0 Gallon Vertical Diaphragm Steel Expansion Tank	4,574.60	162.65
23 21 16 00-0256 EA 132.0 Gallon Vertical Diaphragm Steel Expansion Tank	5,633.53	182.99
23 21 16 00-0257 EA 158.0 Gallon Vertical Diaphragm Steel Expansion Tank	6,539.72	203.32
23 21 16 00-0258 EA 211.0 Gallon Vertical Diaphragm Steel Expansion Tank	7,529.65	243.98
23 21 16 00-0259 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks, ASME ^(23 21 16)		
23 21 16 00-0260 EA 2.1 Gallon Residential Expansion Tank	48.68	7.48
23 21 16 00-0261 EA 3.1 Gallon Residential Expansion Tank	60.40	7.48
23 21 16 00-0262 EA 4.7 Gallon Residential Expansion Tank	72.12	7.48
23 21 16 00-0263 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks, ASME ^(23 21 16)		
23 21 16 00-0264 EA 7.8 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 2.5 Gallon Acceptance.....	1,017.25	243.90
23 21 16 00-0265 EA 14.5 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 5 Gallon Acceptance.....	1,153.04	244.06
23 21 16 00-0266 EA 21.7 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 5 Gallon Acceptance.....	1,283.48	244.06
23 21 16 00-0267 EA 33.6 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 11.5 Gallon Acceptance.....	1,357.66	244.06
23 21 16 00-0268 EA 44.4 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 22.6 Gallon Acceptance.....	1,607.03	244.06
23 21 16 00-0269 EA 55.7 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 22.6 Gallon Acceptance.....	1,826.95	325.23
23 21 16 00-0270 EA 68 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 34 Gallon Acceptance.....	2,101.04	325.39
23 21 16 00-0271 EA 77 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 34 Gallon Acceptance.....	2,207.19	325.39
23 21 16 00-0272 EA 90 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 34 Gallon Acceptance.....	2,441.22	325.39
23 21 16 00-0273 EA 110 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 34 Gallon Acceptance.....	2,645.87	406.64
23 21 16 00-0274 EA 132 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 46 Gallon Acceptance.....	2,943.84	406.64
23 21 16 00-0275 EA 158 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 56 Gallon Acceptance.....	3,386.32	406.64
23 21 16 00-0276 EA 211 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 84 Gallon Acceptance.....	3,771.26	406.64
23 21 16 00-0277 EA 315 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 125 Gallon Acceptance.....	4,693.24	487.80
23 21 16 00-0278 EA 420 Gallon Volume Fiberglass Reinforced Polyester (FRP) Expansion Tank, Diaphragm Type (Bladder), ASME, Vertical, 167 Gallon Acceptance.....	6,454.22	487.80
23 21 16 00-0279 Compression Tanks ASME Construction ^(23 21 16)		
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0280 EA 15 Gallon 13" x 34-1/2" Compression Tank 150 PSIG	599.35	143.14
<i>For Galvanized Steel Tanks, Add</i>		191.24
23 21 16 00-0281 EA 24 Gallon 13" x 51" Compression Tank 150 PSIG	611.75	147.20
<i>For Galvanized Steel Tanks, Add</i>		194.05
23 21 16 00-0282 EA 30 Gallon 13" x 61-1/2" Compression Tank 150 PSIG	664.07	152.09
<i>For Galvanized Steel Tanks, Add</i>		216.55
23 21 16 00-0283 EA 40 Gallon 16-1/4" x 53" Compression Tank 150 PSIG	723.62	157.78
<i>For Galvanized Steel Tanks, Add</i>		241.86
23 21 16 00-0284 EA 60 Gallon 16-1/4" x 76-1/2" Compression Tank 150 PSIG	837.07	166.72
<i>For Galvanized Steel Tanks, Add</i>		292.48
23 21 16 00-0285 EA 80 Gallon 20-1/4" x 68" Compression Tank 150 PSIG	869.79	173.23
<i>For Galvanized Steel Tanks, Add</i>		303.73
23 21 16 00-0286 EA 100 Gallon 20-1/4" x 82" Compression Tank 150 PSIG	1,067.18	188.68
<i>For Galvanized Steel Tanks, Add</i>		390.91
23 21 16 00-0287 EA 120 Gallon 24-1/4" x 71-1/2" Compression Tank 150 PSIG	1,161.83	202.51
<i>For Galvanized Steel Tanks, Add</i>		427.47
23 21 16 00-0288 EA 144 Gallon 24-1/4" x 83-1/2" Compression Tank 150 PSIG	1,436.75	228.53
<i>For Galvanized Steel Tanks, Add</i>		545.34
23 21 16 00-0289 EA 180 Gallon 30" x 60" Compression Tank 150 PSIG	1,814.11	261.88
<i>For Galvanized Steel Tanks, Add</i>		708.70
23 21 16 00-0290 EA 202 Gallon 30" x 72" Compression Tank 150 PSIG	2,164.24	290.34
<i>For Galvanized Steel Tanks, Add</i>		862.32
23 21 16 00-0291 EA 230 Gallon 30" x 84" Compression Tank 150 PSIG	2,366.14	315.55
<i>For Galvanized Steel Tanks, Add</i>		943.87
23 21 16 00-0292 EA 280 Gallon 30" x 96" Compression Tank 150 PSIG	2,969.27	346.45
<i>For Galvanized Steel Tanks, Add</i>		1,222.29
23 21 16 00-0293 EA 306 Gallon 30" x 108" Compression Tank 150 PSIG	3,068.31	370.04
<i>For Galvanized Steel Tanks, Add</i>		1,253.72
23 21 16 00-0294 EA 340 Gallon 36" x 84" Compression Tank 150 PSIG	3,924.06	397.69
<i>For Galvanized Steel Tanks, Add</i>		1,660.82
23 21 16 00-0295 EA 550 Gallon 36" x 96" Compression Tank 150 PSIG	6,462.11	466.82
<i>For Galvanized Steel Tanks, Add</i>		2,877.46

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 16 00-0296		Compression Tank Air Fittings <small>(23 21 16)</small>			
23 21 16 00-0297	EA	Compression Tank Air Fittings For 9-24" Diameter Tank.....	88.55		22.77
23 21 16 00-0298	EA	Compression Tank Fittings For 100 Gallon And Larger	247.53		26.84
23 21 16 00-0299		Thermostatic Radiator Valves <small>(23 21 16)</small>			
23 21 16 00-0300	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)..... Note: For hot water or two pipe low pressure steam.	45.48		13.11
23 21 16 00-0301	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)..... Note: For hot water or two pipe low pressure steam.	55.41		17.68
23 21 16 00-0302	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)..... Note: For hot water or two pipe low pressure steam.	74.08		21.40
23 21 16 00-0303	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)..... Note: For hot water or two pipe low pressure steam.	107.94		27.11
23 21 16 00-0304	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)..... Note: For hot water or two pipe low pressure steam.	45.48		13.11
23 21 16 00-0305	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)..... Note: For hot water or two pipe low pressure steam.	55.41		17.68
23 21 16 00-0306	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)..... Note: For hot water or two pipe low pressure steam.	74.08		21.40
23 21 16 00-0307	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)..... Note: For hot water or two pipe low pressure steam.	107.94		27.11
23 21 16 00-0308	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)..... Note: For hot water or two pipe low pressure steam.	55.42		10.16
23 21 16 00-0309	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)..... Note: For hot water or two pipe low pressure steam.	81.58		14.23
23 21 16 00-0310		Radiator Trap Repair Kits <small>(23 21 16)</small>			
23 21 16 00-0311	EA	1/2" Trap Model TH-125, Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)..... Note: For hot water or two pipe low pressure steam.	79.28		
23 21 16 00-0312	EA	3/4" Trap Model TH-125, Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)..... Note: For hot water or two pipe low pressure steam.	98.76		
23 21 16 00-0313	EA	1/2" Trap Model TA-125, Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)..... Note: For hot water or two pipe low pressure steam.	98.92		
23 21 16 00-0314	EA	3/4" Trap Model TA-125, Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)..... Note: For hot water or two pipe low pressure steam.	112.79		
23 21 16 00-0315	EA	1" Trap Model TA-125, Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)..... Note: For hot water or two pipe low pressure steam.	258.58		
23 21 16 00-0316		Vortex Air Separators With Strainer <small>(23 21 16)</small>			
Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.					
23 21 16 00-0317	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-2N)..... <i>For 300 PSIG, Add</i>	886.32 93.60		173.23
23 21 16 00-0318	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-2-1/2N)..... <i>For 300 PSIG, Add</i>	1,091.33 118.52		198.44
23 21 16 00-0319	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-3N)..... <i>For 300 PSIG, Add</i>	1,653.23 194.95		233.41
23 21 16 00-0320	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-3F)..... <i>For 300 PSIG, Add</i>	1,766.32 208.79		247.10
23 21 16 00-0321	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-4F)..... <i>For 300 PSIG, Add</i>	2,282.48 267.50		329.46
23 21 16 00-0322	EA	5" Flanged, 500 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-5F)..... <i>For 300 PSIG, Add</i>	2,875.82 341.71		394.86
23 21 16 00-0323	EA	6" Flanged, 700 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-6F)..... <i>For 300 PSIG, Add</i>	3,405.97 409.28		447.12
23 21 16 00-0324	EA	8" Flanged, 1,300 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-8F)..... <i>For 300 PSIG, Add</i>	4,866.94 608.10		536.40
23 21 16 00-0325	EA	10" Flanged, 2,000 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-10F)..... <i>For 300 PSIG, Add</i>	7,429.40 975.84		609.71
23 21 16 00-0326	EA	12" Flanged, 2,750 GPM, 125 PSI, Vortex Air Separator With Strainer (Rolairtrol R-12F)..... <i>For 300 PSIG, Add</i>	10,011.94 1,322.46		789.00
23 21 16 00-0327		Vortex Air Separators Without Strainer <small>(23 21 16)</small>			
23 21 16 00-0328	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator Without Strainer (Rolairtrol RL-2N)..... <i>For 300 PSIG, Add</i>	764.47 75.32		173.23
23 21 16 00-0329	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator Without Strainer (Rolairtrol RL-2-1/2N)..... <i>For 300 PSIG, Add</i>	958.41 98.58		198.44
23 21 16 00-0330	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator Without Strainer (Rolairtrol RL-3N)..... <i>For 300 PSIG, Add</i>	1,620.00 189.96		233.41
23 21 16 00-0331	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator Without Strainer (Rolairtrol RL-3F)..... <i>For 300 PSIG, Add</i>	1,474.64 165.04		247.10
23 21 16 00-0332	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator Without Strainer (Rolairtrol RL-4F)..... <i>For 300 PSIG, Add</i>	1,976.03 221.53		329.46
23 21 16 00-0333	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator Without Strainer (Rolairtrol RL-5F)..... <i>For 300 PSIG, Add</i>	2,554.60 293.53		394.86
23 21 16 00-0334	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator Without Strainer (Rolairtrol RL-6F)..... <i>For 300 PSIG, Add</i>	2,970.29 343.92		447.12
23 21 16 00-0335	EA	8" Flanged, 1,900 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-8F)..... <i>For 300 PSIG, Add</i>	7,990.51 1,076.63		536.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0336 EA 10" Flanged, 3,600 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-10F)..... <i>For 300 PSIG, Add</i>	5,439.32 677.33	609.71
23 21 16 00-0337 EA 12" Flanged, 4,800 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-12F)..... <i>For 300 PSIG, Add</i>	8,339.85 1,071.65	789.00
23 21 16 00-0338 Grooved Vortex Air Separators With Strainer <small>(23 21 16)</small>		
23 21 16 00-0339 EA 3" Grooved, 190 GPM Vortex Air Separator With Strainer (Rolairtrol R-3G)	1,543.76	197.67
23 21 16 00-0340 EA 4" Grooved, 300 GPM Vortex Air Separator With Strainer (Rolairtrol R-4G)	2,182.40	263.40
23 21 16 00-0341 EA 5" Grooved, 500 GPM Vortex Air Separator With Strainer (Rolairtrol R-5G)	2,756.25	315.60
23 21 16 00-0342 EA 6" Grooved, 700 GPM Vortex Air Separator With Strainer (Rolairtrol R-6G)	3,270.43	357.70
23 21 16 00-0343 EA 8" Grooved, 1,300 GPM Vortex Air Separator With Strainer (Rolairtrol R-8G)	4,696.97	429.24
23 21 16 00-0344 EA 10" Grooved, 2,000 GPM Vortex Air Separator With Strainer (Rolairtrol R-10G)	7,532.60	487.77
23 21 16 00-0345 EA 12" Grooved, 2,750 GPM Vortex Air Separator With Strainer (Rolairtrol R-12G)	11,436.48	631.27
23 21 16 00-0346 Grooved Vortex Air Separators Without Strainer <small>(23 21 16)</small>		
23 21 16 00-0347 EA 3" Grooved, 190 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-3G)	1,241.00	197.67
23 21 16 00-0348 EA 4" Grooved, 300 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-4G)	1,875.95	263.40
23 21 16 00-0349 EA 5" Grooved, 530 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-5G)	2,435.03	315.60
23 21 16 00-0350 EA 6" Grooved, 850 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-6G)	2,834.75	357.70
23 21 16 00-0351 EA 8" Grooved, 1,900 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-8G)	3,773.93	429.24
23 21 16 00-0352 EA 10" Grooved, 3,600 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-10G).....	5,512.99	487.77
23 21 16 00-0353 EA 12" Grooved, 4,800 GPM Vortex Air Separator Without Strainer (Rolairtrol RL-12G).....	9,107.41	631.27
23 21 16 00-0354 Air Eliminator And Dirt Separator With Removable Head <small>(23 21 16)</small>		
Note: Spirovent VDN.		
23 21 16 00-0355 EA 2" Air Eliminator And Dirt Separator, 45 GPM With Removable Head..... Note: Spirotherm VDN.	2,667.77	173.23
23 21 16 00-0356 EA 2-1/2" Air Eliminator And Dirt Separator, 70 GPM With Removable Head..... Note: Spirotherm VDN.	2,889.07	198.44
23 21 16 00-0357 EA 3" Air Eliminator And Dirt Separator, 95 GPM With Removable Head..... Note: Spirotherm VDN.	3,856.52	233.41
23 21 16 00-0358 EA 4" Air Eliminator And Dirt Separator, 170 GPM With Removable Head..... Note: Spirotherm VDN.	4,410.94	357.85
23 21 16 00-0359 EA 5" Air Eliminator And Dirt Separator, 260 GPM With Removable Head..... Note: Spirotherm VDN.	6,441.05	442.42
23 21 16 00-0360 EA 6" Air Eliminator And Dirt Separator, 375 GPM With Removable Head..... Note: Spirotherm VDN.	8,287.12	500.98
23 21 16 00-0361 EA 8" Air Eliminator And Dirt Separator, 625 GPM With Removable Head..... Note: Spirotherm VDN.	12,935.11	113.05
23 21 16 00-0362 EA 10" Air Eliminator And Dirt Separator, 950 GPM With Removable Head..... Note: Spirotherm VDN.	19,092.20	683.16
23 21 16 00-0363 EA 12" Air Eliminator And Dirt Separator, 1,400 GPM With Removable Head..... Note: Spirotherm VDN.	24,676.60	884.03
23 21 16 00-0364 Swivel Joints <small>(23 21 16)</small>		
23 21 16 00-0365 Style 20 (Straight Through) Swivel <small>(23 21 16 00-0364)</small>		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0366 EA 1" Threaded Carbon Steel Single Swivel Joint, Style 20.....	231.23	21.39
23 21 16 00-0367 EA 1-1/2" Threaded Carbon Steel Single Swivel Joint, Style 20	337.25	31.31
23 21 16 00-0368 EA 2" Threaded Carbon Steel Single Swivel Joint, Style 20.....	384.95	36.60
23 21 16 00-0369 EA 3" Threaded Carbon Steel Single Swivel Joint, Style 20.....	564.77	62.63
23 21 16 00-0370 EA 3" Flanged Carbon Steel Single Swivel Joint, Style 20.....	704.64	86.49
23 21 16 00-0371 EA 4" Flanged Carbon Steel Single Swivel Joint, Style 20	930.55	145.17
23 21 16 00-0372 EA 6" Flanged Carbon Steel Single Swivel Joint, Style 20	1,826.93	203.32
23 21 16 00-0373 Basket Strainers <small>(23 21 16)</small>		
23 21 16 00-0374 Bronze Body Basket Strainers <small>(23 21 16 00-0373)</small>		
23 21 16 00-0375 Bronze Basket Strainers, Screwed Ends <small>(23 21 16 00-0374)</small>		
23 21 16 00-0376 EA 1/2" Basket Strainer, Bronze, Screwed Ends..... <i>For Work In Restricted Working Space, Add</i>	136.23 9.68	16.27
23 21 16 00-0377 EA 3/4" Basket Strainer, Bronze, Screwed Ends..... <i>For Work In Restricted Working Space, Add</i>	160.91 11.38	19.12
23 21 16 00-0378 EA 1" Basket Strainer, Bronze, Screwed Ends..... <i>For Work In Restricted Working Space, Add</i>	187.19 13.55	22.77
23 21 16 00-0379 EA 1-1/4" Basket Strainer, Bronze, Screwed Ends	230.43	25.21
<i>For Work In Restricted Working Space, Add</i>		
23 21 16 00-0380 EA 1-1/2" Basket Strainer, Bronze, Screwed Ends	270.92	28.46
<i>For Work In Restricted Working Space, Add</i>		
23 21 16 00-0381 EA 2" Basket Strainer, Bronze, Screwed Ends.....	394.68	32.53
<i>For Work In Restricted Working Space, Add</i>		
23 21 16 00-0382 EA 2-1/2" Basket Strainer, Bronze, Screwed Ends	556.09	43.51
<i>For Work In Restricted Working Space, Add</i>		
23 21 16 00-0383 EA 3" Basket Strainer, Bronze, Screwed Ends.....	768.62	46.36
<i>For Work In Restricted Working Space, Add</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0384			Bronze Basket Strainers, Flared Ends (23 21 16 00-0374)		
23 21 16 00-0385	EA		2" Basket Strainer, Bronze, Flanged Ends.....	688.95	94.75
			<i>For Work In Restricted Working Space, Add</i>	56.86	
23 21 16 00-0386	EA		2-1/2" Basket Strainer, Bronze, Flanged Ends.....	1,070.13	144.36
			<i>For Work In Restricted Working Space, Add</i>	86.62	
23 21 16 00-0387	EA		3" Basket Strainer, Bronze, Flanged Ends.....	1,255.04	185.84
			<i>For Work In Restricted Working Space, Add</i>	111.51	
23 21 16 00-0388	EA		4" Basket Strainer, Bronze, Flanged Ends.....	1,928.40	216.74
			<i>For Work In Restricted Working Space, Add</i>	130.06	
23 21 16 00-0389	EA		6" Basket Strainer, Bronze, Flanged Ends.....	3,536.46	290.34
			<i>For Work In Restricted Working Space, Add</i>	174.20	
23 21 16 00-0390	EA		8" Basket Strainer, Bronze, Flanged Ends.....	6,183.66	348.41
			<i>For Work In Restricted Working Space, Add</i>	209.03	
23 21 16 00-0391			Iron Body Basket Strainers (23 21 16 00-0373)		
23 21 16 00-0392			Iron Basket Strainers, Screwed Ends (23 21 16 00-0391)		
23 21 16 00-0393	EA		1/2" Basket Strainer, Iron, Screwed Ends.....	144.66	16.27
			<i>For Work In Restricted Working Space, Add</i>	9.68	
23 21 16 00-0394	EA		3/4" Basket Strainer, Iron, Screwed Ends.....	163.72	19.12
			<i>For Work In Restricted Working Space, Add</i>	11.38	
23 21 16 00-0395	EA		1" Basket Strainer, Iron, Screwed Ends.....	193.66	22.77
			<i>For Work In Restricted Working Space, Add</i>	13.55	
23 21 16 00-0396	EA		1-1/4" Basket Strainer, Iron, Screwed Ends.....	249.38	25.21
			<i>For Work In Restricted Working Space, Add</i>	15.11	
23 21 16 00-0397	EA		1-1/2" Basket Strainer, Iron, Screwed Ends.....	274.45	28.46
			<i>For Work In Restricted Working Space, Add</i>	17.06	
23 21 16 00-0398	EA		2" Basket Strainer, Iron, Screwed Ends.....	324.98	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.54	
23 21 16 00-0399	EA		2-1/2" Basket Strainer, Iron, Screwed Ends.....	458.45	43.51
			<i>For Work In Restricted Working Space, Add</i>	26.17	
23 21 16 00-0400	EA		3" Basket Strainer, Iron, Screwed Ends.....	515.30	46.36
			<i>For Work In Restricted Working Space, Add</i>	27.76	
23 21 16 00-0401			Iron Basket Strainers, Flared Ends (23 21 16 00-0391)		
23 21 16 00-0402	EA		2" Basket Strainer, Iron, Flanged Ends.....	581.95	94.75
			<i>For Work In Restricted Working Space, Add</i>	56.86	
23 21 16 00-0403	EA		2-1/2" Basket Strainer, Iron, Flanged Ends.....	817.64	144.36
			<i>For Work In Restricted Working Space, Add</i>	86.62	
23 21 16 00-0404	EA		3" Basket Strainer, Iron, Flanged Ends.....	934.75	185.84
			<i>For Work In Restricted Working Space, Add</i>	111.51	
23 21 16 00-0405	EA		4" Basket Strainer, Iron, Flanged Ends.....	1,280.94	216.74
			<i>For Work In Restricted Working Space, Add</i>	130.06	
23 21 16 00-0406	EA		6" Basket Strainer, Iron, Flanged Ends.....	2,230.01	290.34
			<i>For Work In Restricted Working Space, Add</i>	174.20	
23 21 16 00-0407	EA		8" Basket Strainer, Iron, Flanged Ends.....	3,739.51	348.41
			<i>For Work In Restricted Working Space, Add</i>	209.03	
23 21 16 00-0408	EA		10" Basket Strainer, Iron, Flanged Ends.....	5,370.23	395.95
			<i>For Work In Restricted Working Space, Add</i>	237.57	
23 21 16 00-0409	EA		12" Basket Strainer, Iron, Flanged Ends.....	6,456.21	512.45
			<i>For Work In Restricted Working Space, Add</i>	307.44	
23 21 16 00-0410	EA		14" Basket Strainer, Iron, Flanged Ends.....	8,097.37	622.05
			<i>For Work In Restricted Working Space, Add</i>	373.23	
23 21 16 00-0411	EA		16" Basket Strainer, Iron, Flanged Ends.....	8,908.50	870.95
			<i>For Work In Restricted Working Space, Add</i>	522.73	
23 21 16 00-0412			Cast Steel Body Basket Strainers (23 21 16 00-0373)		
23 21 16 00-0413			Cast Steel Basket Strainers, Screwed Ends (23 21 16 00-0412)		
23 21 16 00-0414	EA		1" Basket Strainer, Cast Steel, Screwed Ends.....	298.18	22.77
			<i>For Work In Restricted Working Space, Add</i>	13.55	
23 21 16 00-0415	EA		1-1/4" Basket Strainer, Cast Steel, Screwed Ends.....	388.07	25.21
			<i>For Work In Restricted Working Space, Add</i>	15.11	
23 21 16 00-0416	EA		1-1/2" Basket Strainer, Cast Steel, Screwed Ends.....	437.43	28.46
			<i>For Work In Restricted Working Space, Add</i>	17.06	
23 21 16 00-0417	EA		2" Basket Strainer, Cast Steel, Screwed Ends.....	606.49	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.54	
23 21 16 00-0418	EA		2-1/2" Basket Strainer, Cast Steel, Screwed Ends.....	848.35	43.51
			<i>For Work In Restricted Working Space, Add</i>	26.17	
23 21 16 00-0419	EA		3" Basket Strainer, Cast Steel, Screwed Ends.....	1,089.52	46.36
			<i>For Work In Restricted Working Space, Add</i>	27.76	
23 21 16 00-0420			Cast Steel Basket Strainers, Flared Ends (23 21 16 00-0412)		
23 21 16 00-0421	EA		2" Basket Strainer, Cast Steel, Flanged Ends.....	977.45	94.75
			<i>For Work In Restricted Working Space, Add</i>	56.86	
23 21 16 00-0422	EA		2-1/2" Basket Strainer, Cast Steel, Flanged Ends.....	1,441.14	144.36
			<i>For Work In Restricted Working Space, Add</i>	86.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0423 EA 3" Basket Strainer, Cast Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	1,631.32 111.51	185.84
23 21 16 00-0424 EA 4" Basket Strainer, Cast Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	2,202.35 130.06	216.74
23 21 16 00-0425 EA 6" Basket Strainer, Cast Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	3,769.94 174.20	290.34
23 21 16 00-0426 EA 8" Basket Strainer, Cast Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	5,922.88 209.03	348.41
23 21 16 00-0427 Stainless Steel Body Basket Strainers (23 21 16 00-0373)		
23 21 16 00-0428 Stainless Steel Basket Strainers, Screwed Ends (23 21 16 00-0427)		
23 21 16 00-0429 EA 1" Basket Strainer, Stainless Steel, Screwed Ends <i>For Work In Restricted Working Space, Add</i>	287.65 13.55	22.77
23 21 16 00-0430 EA 1-1/4" Basket Strainer, Stainless Steel, Screwed Ends <i>For Work In Restricted Working Space, Add</i>	409.29 15.11	25.21
23 21 16 00-0431 EA 1-1/2" Basket Strainer, Stainless Steel, Screwed Ends <i>For Work In Restricted Working Space, Add</i>	424.17 17.06	28.46
23 21 16 00-0432 EA 2" Basket Strainer, Stainless Steel, Screwed Ends <i>For Work In Restricted Working Space, Add</i>	620.89 19.54	32.53
23 21 16 00-0433 EA 2-1/2" Basket Strainer, Stainless Steel, Screwed Ends <i>For Work In Restricted Working Space, Add</i>	875.86 26.17	43.51
23 21 16 00-0434 EA 3" Basket Strainer, Stainless Steel, Screwed Ends <i>For Work In Restricted Working Space, Add</i>	1,226.88 27.76	46.36
23 21 16 00-0435 Stainless Steel Basket Strainers, Flanged Ends (23 21 16 00-0427)		
23 21 16 00-0436 EA 2" Basket Strainer, Stainless Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	1,016.57 56.86	94.75
23 21 16 00-0437 EA 2-1/2" Basket Strainer, Stainless Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	1,576.71 86.62	144.36
23 21 16 00-0438 EA 3" Basket Strainer, Stainless Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	1,826.54 111.51	185.84
23 21 16 00-0439 EA 4" Basket Strainer, Stainless Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	2,894.26 130.06	216.74
23 21 16 00-0440 EA 6" Basket Strainer, Stainless Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	4,421.83 174.20	290.34
23 21 16 00-0441 EA 8" Basket Strainer, Stainless Steel, Flanged Ends <i>For Work In Restricted Working Space, Add</i>	7,466.81 209.03	348.41
23 21 16 00-0442 Air Vents (23 21 16)		
23 21 16 00-0443 Cast Iron, With Guided Free Floating Lever, Automatic (23 21 16 00-0442)		
23 21 16 00-0444 EA 1/2" NPT, Cast Iron Auto Air Vent With Guided Free Floating Lever	201.20	23.59
23 21 16 00-0445 EA 3/4" NPT, Cast Iron Auto Air Vent With Guided Free Floating Lever	246.82	31.31
23 21 16 00-0446 EA 1" NPT, Cast Iron Auto Air Vent With Guided Free Floating Lever	552.79	32.53
23 21 16 00-0447 EA 1-1/4" NPT, Cast Iron Auto Air Vent With Guided Free Floating Lever	820.20	50.26
23 21 16 00-0448 EA 1-1/2" NPT, Cast Iron Auto Air Vent With Guided Free Floating Lever	1,360.04	54.09
23 21 16 00-0449 EA 2" NPT, Cast Iron Auto Air Vent With Guided Free Floating Lever	1,563.99	71.33
23 21 16 00-0450 Forged Steel, Stainless Steel Internals, Automatic (23 21 16 00-0442)		
Note: With guided free floating lever.		
23 21 16 00-0451 EA 1/2" NPT, Forged Steel Auto Air Vent With Guided Free Floating Lever	1,199.65	27.24
23 21 16 00-0452 EA 3/4" NPT, Forged Steel Auto Air Vent With Guided Free Floating Lever	1,502.64	31.31
23 21 16 00-0453 EA 1" NPT, Forged Steel Auto Air Vent With Guided Free Floating Lever	1,791.49	32.53
23 21 16 00-0454 EA 1-1/4" NPT, Forged Steel Auto Air Vent With Guided Free Floating Lever	2,938.41	50.42
23 21 16 00-0455 EA 1-1/2" NPT, Forged Steel Auto Air Vent With Guided Free Floating Lever	3,392.54	54.09
23 21 16 00-0456 EA 2" NPT, Forged Steel Auto Air Vent With Guided Free Floating Lever	4,984.94	71.16
23 21 16 00-0457 Manual Air Vent (23 21 16 00-0442)		
23 21 16 00-0458 EA Manual Air Vent	57.21	29.36
23 21 16 00-0459 Automatic Brass Vent Traps (23 21 16 00-0442)		
23 21 16 00-0460 EA Trap Vent, Automatic, 1-1/2" Brass Base With Chrome Finish	47.00	24.88
23 21 23 Hydronic Pumps (23 21)		
23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)		
Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 3 HP.....	6,951.02	217.14
<i>For Mechanical Seal, Add</i>	503.99	
<i>For Cast Steel Case, Add</i>	1,133.99	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 13-0003	EA	75 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 5 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	7,541.82 540.29 1,215.66	262.82
23 21	23 13-0004	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	8,701.78 621.27 1,397.85	312.23
23 21	23 13-0005	EA	125 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 10 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	9,223.18 638.02 1,435.54	416.31
23 21	23 13-0006	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage With 200' Head And 15 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	11,073.77 776.99 1,748.23	453.75
23 21	23 13-0007	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 30 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	16,889.56 1,231.36 2,770.57	499.42
23 21	23 13-0008	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 40 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	19,776.69 1,432.38 3,222.86	623.72
23 21	23 13-0009	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 50 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	16,274.87 1,130.84 2,544.40	712.82
23 21	23 13-0010	EA	400 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 75 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	35,678.16 2,673.60 6,015.59	752.70
23 21	23 13-0011	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 100 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	38,689.90 2,862.92 6,441.57	967.56

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21	23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,031.04	237.36
23 21	23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	3,381.62	237.65
23 21	23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	4,439.99	312.23
23 21	23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	4,910.58	384.12
23 21	23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	5,447.52	384.12
23 21	23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	5,344.43	416.31
23 21	23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	5,649.71	416.31
23 21	23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	6,166.92	436.53
23 21	23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	6,923.59	554.83
23 21	23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	7,366.88	623.72
23 21	23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	12,013.81	1,488.16
23 21	23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	16,973.91	1,785.47
23 21	23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	19,497.03	2,231.84

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21	23 16-0016	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP	2,811.20	174.46
			<i>For 300 LB Flanges, Add</i>	624.15	
23 21	23 16-0017	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP	3,499.84	187.19
			<i>For 300 LB Flanges, Add</i>	804.76	
23 21	23 16-0018	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP	4,373.90	199.92
			<i>For 300 LB Flanges, Add</i>	1,010.28	
23 21	23 16-0019	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP	5,128.73	237.36
			<i>For 300 LB Flanges, Add</i>	1,175.22	
23 21	23 16-0020	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP	5,389.91	237.65
			<i>For 300 LB Flanges, Add</i>	1,235.16	
23 21	23 16-0021	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,814.28	312.23
			<i>For 300 LB Flanges, Add</i>	1,313.18	
23 21	23 16-0022	EA	225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,814.28	312.23
			<i>For 300 LB Flanges, Add</i>	1,313.18	
23 21	23 16-0023	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,814.28	312.23
			<i>For 300 LB Flanges, Add</i>	1,313.18	
23 21	23 16-0024	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	7,081.18	384.12
			<i>For 300 LB Flanges, Add</i>	1,597.50	
23 21	23 16-0025	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	7,202.60	383.82
			<i>For 300 LB Flanges, Add</i>	1,620.89	
23 21	23 16-0026	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP	7,586.09	416.31
			<i>For 300 LB Flanges, Add</i>	1,709.33	
23 21	23 16-0027	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP	8,315.54	436.53
			<i>For 300 LB Flanges, Add</i>	1,876.74	
23 21	23 16-0028	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP	9,261.52	554.83
			<i>For 300 LB Flanges, Add</i>	2,065.79	
23 21	23 16-0029	EA	1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP	10,499.98	623.72
			<i>For 300 LB Flanges, Add</i>	2,344.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0030 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP <i>For 300 LB Flanges, Add</i>	15,504.21 3,158.68	1,488.16
23 21 23 16-0031 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	18,464.40 3,755.25	1,785.47
23 21 23 16-0032 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	21,960.07 4,413.95	2,231.84
 23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump ^(23 21 23 16)		
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034 EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP <i>For 300 LB Flanges, Add</i>	4,343.60 1,007.25	174.46
23 21 23 16-0035 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP <i>For 300 LB Flanges, Add</i>	4,458.57 1,030.40	187.19
23 21 23 16-0036 EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	4,573.65 1,053.56	199.92
23 21 23 16-0037 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	4,968.67 1,150.11	204.42
23 21 23 16-0038 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	8,110.35 1,920.62	237.36
23 21 23 16-0039 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	10,827.68 2,585.53	312.23
23 21 23 16-0040 EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	11,048.36 2,621.70	336.94
23 21 23 16-0041 EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	11,681.45 2,747.57	374.38
23 21 23 16-0042 EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	13,020.30 3,085.71	376.72
23 21 23 16-0043 EA 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	14,585.98 3,428.74	484.14
23 21 23 16-0044 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	18,506.71 4,339.73	595.43
23 21 23 16-0045 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	20,853.69 4,854.73	743.68
23 21 23 16-0046 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	29,714.65 6,998.24	892.73
23 21 23 16-0047 EA 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP <i>For 300 LB Flanges, Add</i>	56,584.22 13,667.80	991.58
23 21 23 16-0048 EA 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	60,132.66 14,418.27	1,275.34
 23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump ^(23 21 23 16)		
Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050 EA 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	15,492.53 3,700.34	384.12
23 21 23 16-0051 EA 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	16,782.55 4,008.45	416.31
23 21 23 16-0052 EA 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	20,177.27 4,791.38	552.38
23 21 23 16-0053 EA 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	39,762.72 9,592.90	759.02
23 21 23 16-0054 EA 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	48,697.48 11,710.66	1,012.02
 23 21 23 16-0055 Cast Iron Close Coupling Pumps ^(23 21 23 16)		
23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps ^(23 21 23 16-0055)		
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	2,726.36	224.63
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	2,945.96	224.63
23 21 23 16-0059 EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	3,262.14	237.11
23 21 23 16-0060 EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	3,456.40	237.11
23 21 23 16-0061 EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	3,947.52	249.33
23 21 23 16-0062 EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	4,690.08	302.43
23 21 23 16-0063 EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	6,130.12	372.57
23 21 23 16-0064 EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	6,567.19	403.25
23 21 23 16-0065 EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	7,571.33	435.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

23 21 23 16-0066	Pumps, Polypropylene Body, Housing And Impeller, 115/230 V ^(23 21 23 16)		
23 21 23 16-0067	EA 1/3 HP, Centrifugal Pump, Polypropylene Body	1,779.82	116.06
23 21 23 16-0068	EA 1/2 HP, Centrifugal Pump, Polypropylene Body	1,900.17	123.05
23 21 23 16-0069	EA 3/4 HP, Centrifugal Pump, Polypropylene Body	2,241.21	131.02

23 21 23 23 Vertical-Turbine Hydronic Pumps ^(23 21 23)

23 21 23 23-0001	Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps ^(23 21 23 23)		
	Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP	7,975.49	554.83
	For Each Extra Column Assembly <60", Add	671.32	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	285.74	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	205.99	
23 21 23 23-0003	EA 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP	8,349.57	623.72
	For Each Extra Column Assembly <60", Add	701.51	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	300.44	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	216.94	
23 21 23 23-0004	EA 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP	10,069.60	595.43
	For Each Extra Column Assembly <60", Add	848.27	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	360.08	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	259.39	
23 21 23 23-0005	EA 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP	10,863.18	687.09
	For Each Extra Column Assembly <60", Add	913.20	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	390.38	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	281.75	
23 21 23 23-0006	EA 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP	13,301.28	743.68
	For Each Extra Column Assembly <60", Add	1,111.93	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	484.23	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	351.21	
23 21 23 23-0007	EA 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP	21,062.87	892.73
	For Each Extra Column Assembly <60", Add	1,742.42	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	785.12	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	574.50	
23 21 23 23-0008	EA 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP	25,218.39	1,115.92
	For Each Extra Column Assembly <60", Add	2,089.21	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	937.00	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	684.81	
23 21 23 23-0009	EA 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP	40,299.56	1,275.34
	For Each Extra Column Assembly <60", Add	3,305.95	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,530.00	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	1,127.00	
23 21 23 23-0010	EA 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP	52,810.18	1,488.16
	For Each Extra Column Assembly <60", Add	4,320.46	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	2,016.76	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	1,488.66	
23 21 23 23-0011	EA 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP	73,878.68	1,785.47
	For Each Extra Column Assembly <60", Add	6,025.07	
	For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	2,840.37	
	For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	2,101.58	

23 21 29 Automatic Condensate Pump Units ^(23 21)

23 21 29 00-0001	Automatic Shallow Pan Condensate Pump ^(23 21 29)		
23 21 29 00-0002	EA 1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	148.24	24.34
23 21 29 00-0003	EA 1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	160.69	24.34
23 21 29 00-0004	EA 1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	250.15	28.08
23 21 29 00-0005	Automatic Condensate Pump With Tank ^(23 21 29)		
23 21 29 00-0006	EA 1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	81.54	18.72
23 21 29 00-0007	EA 1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	86.86	18.72
23 21 29 00-0008	EA 1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	144.16	24.34
23 21 29 00-0009	EA 1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	155.73	28.08
23 21 29 00-0010	EA 1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS)	286.61	31.83

23 22 Steam And Condensate Piping And Pumps ^(23 20)**23 22 13 Steam and Condensate Heating Piping ^(23 22)**

23 22 13 00-0001	Ric-Wil System Pipe And Casing ^(23 22 13)		
	Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermanol.		
23 22 13 00-0002	Steam Pipe ^(23 22 13 00-0001)		
	Note: Includes condensate return.		
23 22 13 00-0003	LF 1-1/4" And 1-1/2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	66.15	10.61
23 22 13 00-0004	LF 1-1/4" And 2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	70.18	12.13
23 22 13 00-0005	LF 1-1/2" And 3" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	80.80	13.64
23 22 13 00-0006	LF 3" And 6" Ric-Wil Pipe, 15" Case Steam Pipe With Condensate Return	123.58	21.21
23 22 13 00-0007	LF 4" And 8" Ric-Wil Pipe, 16-1/2" Case Steam Pipe With Condensate Return	161.55	28.79



				MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 13 00-0008				Steam Or Condensate Pipe (23 22 13 00-0001) Note: Excludes return.		
23 22 13 00-0009	LF			2" Steam Or Condensate Pipe, 6" Case With No Return Line	52.02	6.82
23 22 13 00-0010	LF			2" Steam Or Condensate Pipe, 8" Case With No Return Line	55.34	7.58
23 22 13 00-0011	LF			3" Steam Or Condensate Pipe, 8" Case With No Return Line	64.86	9.10
23 22 13 00-0012	LF			4" Steam Or Condensate Pipe, 10" Case With No Return Line	84.21	13.64
23 22 13 00-0013	LF			6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line	114.53	20.46
23 22 16				Steam And Condensate Heating Piping Specialties (23 22)		
23 22 16 00-0001				Steam Temperature Regulator, Iron Body (23 22 16)		
23 22 16 00-0002				Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001) Note: Up to 150 PSI.		
23 22 16 00-0003	EA			1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	478.45	11.71
23 22 16 00-0004	EA			3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	507.20	15.77
23 22 16 00-0005	EA			1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	671.47	19.43
23 22 16 00-0006	EA			1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	744.75	24.56
23 22 16 00-0007	EA			1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	767.67	28.21
23 22 16 00-0008	EA			2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	904.17	30.68
23 22 16 00-0009	EA			2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,170.36	56.21
23 22 16 00-0010	EA			3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,521.43	61.29
23 22 16 00-0011	EA			4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,288.19	143.46
23 22 16 00-0012	EA			6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,729.00	168.38
23 22 16 00-0013				Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0014	EA			1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	702.99	11.71
23 22 16 00-0015	EA			3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	732.09	15.77
23 22 16 00-0016	EA			1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	768.04	19.43
23 22 16 00-0017	EA			1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	920.69	24.56
23 22 16 00-0018	EA			1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	988.60	28.21
23 22 16 00-0019	EA			2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,121.12	30.68
23 22 16 00-0020	EA			2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,428.61	56.21
23 22 16 00-0021	EA			3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,080.34	61.29
23 22 16 00-0022	EA			4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,943.41	143.46
23 22 16 00-0023	EA			6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,685.03	168.38
23 22 16 00-0024				Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0025	EA			1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	953.35	11.71
23 22 16 00-0026	EA			3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	971.53	15.77
23 22 16 00-0027	EA			1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,065.68	19.43
23 22 16 00-0028	EA			1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,164.10	24.56
23 22 16 00-0029	EA			1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,209.52	28.21
23 22 16 00-0030	EA			2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,363.21	30.68
23 22 16 00-0031	EA			2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,522.34	56.21
23 22 16 00-0032	EA			3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,917.97	61.29
23 22 16 00-0033	EA			4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,763.54	143.46
23 22 16 00-0034	EA			6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,242.47	168.38
23 22 16 00-0035				Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036	EA			1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,217.93	11.71
23 22 16 00-0037	EA			3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,234.78	15.77
23 22 16 00-0038	EA			1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,343.49	19.43
23 22 16 00-0039	EA			1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,404.86	24.56
23 22 16 00-0040	EA			1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,462.18	28.21
23 22 16 00-0041	EA			2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,592.07	30.68
23 22 16 00-0042	EA			2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,654.63	56.21
23 22 16 00-0043	EA			3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,063.90	61.29
23 22 16 00-0044	EA			4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,909.47	143.46
23 22 16 00-0045	EA			6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,388.40	168.38
23 22 16 00-0046				High Temperature Safety Relief Valve (23 22 16) Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047				Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046) Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048				Threaded (23 22 16 00-0047)		
23 22 16 00-0049	EA			3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	197.81	12.19
23 22 16 00-0050	EA			1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	210.39	14.43

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0051	EA		1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	236.87	18.29
23 22 16 00-0052	EA		1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	287.65	20.33
23 22 16 00-0053	EA		2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	366.19	25.00
23 22 16 00-0054	EA		2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	547.33	28.45
23 22 16 00-0055	EA		3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	596.54	32.72
23 22 16 00-0056			Flanged <small>(23 22 16 00-0047)</small>		
23 22 16 00-0057	EA		1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,248.09	20.33
23 22 16 00-0058	EA		2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,438.16	24.38
23 22 16 00-0059	EA		2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,660.42	41.16
23 22 16 00-0060	EA		2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,979.50	44.90
23 22 16 00-0061	EA		3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,149.63	48.64
23 22 16 00-0062	EA		3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,508.51	56.13
23 22 16 00-0063	EA		4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,208.68	89.88
23 22 16 00-0064	EA		6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	8,162.16	93.55
23 22 16 00-0065			Bronze Body Safety Valve, Threaded, Steam <small>(23 22 16 00-0046)</small>		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.					
23 22 16 00-0066	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	211.04	11.18
23 22 16 00-0067	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	217.67	12.19
23 22 16 00-0068	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	253.05	13.41
23 22 16 00-0069	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	278.67	14.43
23 22 16 00-0070	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	321.56	16.26
23 22 16 00-0071	EA		1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	327.06	18.29
23 22 16 00-0072	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	365.34	19.31
23 22 16 00-0073	EA		1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	396.71	20.33
23 22 16 00-0074	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	539.93	22.76
23 22 16 00-0075	EA		2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	590.33	25.00
23 22 16 00-0076	EA		2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	701.64	28.45
23 22 16 00-0077			Bronze Body Safety Valve, Threaded, Water <small>(23 22 16 00-0046)</small>		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.					
23 22 16 00-0078	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	111.09	11.18
23 22 16 00-0079	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	125.52	12.19
23 22 16 00-0080	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Water	166.95	13.41
23 22 16 00-0081	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	183.15	14.43
23 22 16 00-0082	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	255.76	16.26
23 22 16 00-0083	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	339.79	19.31
23 22 16 00-0084	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Water	484.91	22.76
23 22 16 00-0085			Steam Traps <small>(23 22 16)</small>		
23 22 16 00-0086			Inverted Bucket Steam Traps <small>(23 22 16 00-0085)</small>		
23 22 16 00-0087	EA		1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	201.43	24.39
			<i>For Work In Restricted Working Space, Add</i>	14.64	
23 22 16 00-0088	EA		3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	203.46	25.41
			<i>For Work In Restricted Working Space, Add</i>	15.25	
23 22 16 00-0089	EA		1" 250 PSI Inverted Bucket Cast Iron Steam Trap	299.92	27.08
			<i>For Work In Restricted Working Space, Add</i>	16.27	
23 22 16 00-0090	EA		1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	483.43	36.96
			<i>For Work In Restricted Working Space, Add</i>	22.18	
23 22 16 00-0091	EA		1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	717.26	45.55
			<i>For Work In Restricted Working Space, Add</i>	27.11	
23 22 16 00-0092	EA		2" 250 PSI Inverted Bucket Cast Iron Steam Trap	917.77	67.77
			<i>For Work In Restricted Working Space, Add</i>	40.67	
23 22 16 00-0093			Float And Thermostatic Steam Traps <small>(23 22 16 00-0085)</small>		
23 22 16 00-0094	EA		3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	212.82	25.41
			<i>For Work In Restricted Working Space, Add</i>	15.25	
23 22 16 00-0095	EA		1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	278.81	27.10
			<i>For Work In Restricted Working Space, Add</i>	16.27	
23 22 16 00-0096	EA		1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	345.69	36.96
			<i>For Work In Restricted Working Space, Add</i>	22.18	
23 22 16 00-0097	EA		1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	466.35	45.18
			<i>For Work In Restricted Working Space, Add</i>	27.11	
23 22 16 00-0098	EA		2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	849.05	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
23 22 16 00-0099	EA		3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	269.22	25.41
			<i>For Work In Restricted Working Space, Add</i>	15.25	
23 22 16 00-0100	EA		1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	292.47	27.08
			<i>For Work In Restricted Working Space, Add</i>	16.27	
23 22 16 00-0101	EA		1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	382.91	36.96
			<i>For Work In Restricted Working Space, Add</i>	22.18	
23 22 16 00-0102	EA		1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	548.25	45.13
			<i>For Work In Restricted Working Space, Add</i>	27.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	932.19 40.67	67.77
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	347.40 15.25	25.41
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	386.77 16.27	27.10
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	587.66 22.18	36.96
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	604.09 27.11	45.13
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,166.71 40.67	67.77
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	352.36 15.25	25.41
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	386.77 16.27	27.10
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	587.66 22.18	36.96
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	604.09 27.11	45.13
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,166.71 40.67	67.77
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	106.37 14.64	24.39
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	173.67 15.25	25.41
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	213.33 16.27	27.08
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap <i>For Work In Restricted Working Space, Add</i>	226.68 14.64	21.96
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap <i>For Work In Restricted Working Space, Add</i>	319.31 15.25	24.39
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap <i>For Work In Restricted Working Space, Add</i>	394.55 16.27	25.41
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap <i>For Work In Restricted Working Space, Add</i>	526.99 16.27	27.08
23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124 EA 1" Steam Moisture Separator, Threaded <i>For Work In Restricted Working Space, Add</i>	361.39 14.64	61.81
23 22 16 00-0125 EA 1-1/2" Steam Moisture Separator, Threaded <i>For Work In Restricted Working Space, Add</i>	437.51 15.25	70.76
23 22 16 00-0126 EA 2" Steam Moisture Separator, Flanged <i>For Work In Restricted Working Space, Add</i>	674.24 16.27	108.45
23 22 16 00-0127 EA 2-1/2" Steam Moisture Separator, Flanged <i>For Work In Restricted Working Space, Add</i>	849.06 16.27	130.13
23 22 16 00-0128 EA 3" Steam Moisture Separator, Flanged <i>For Work In Restricted Working Space, Add</i>	1,122.88 16.27	162.65
23 22 16 00-0129 EA 4" Steam Moisture Separator, Flanged <i>For Work In Restricted Working Space, Add</i>	1,743.58 16.27	216.74
23 22 16 00-0130 EA 6" Steam Moisture Separator, Flanged <i>For Work In Restricted Working Space, Add</i>	3,466.02 16.27	287.09
23 22 16 00-0131 Steam/Condensate Meter (23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0132 EA 1" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	3,422.46 1,220.00 567.00 905.00 79.82 64.52	44.90
23 22 16 00-0133 EA 2" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	3,862.12 1,220.00 567.00 905.00 79.82 64.52	52.76
23 22 16 00-0134 EA 2-1/2" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	4,099.54 1,220.00 567.00 905.00 79.82 64.52	65.48
23 22 16 00-0135 EA 3" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	4,352.67 1,220.00 567.00 905.00 79.82 64.52	86.06
23 22 16 00-0136 EA 4" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	4,854.38 1,220.00 567.00 905.00 79.82 64.52	101.40

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0137 EA 6" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	9,316.43 1,220.00 567.00 905.00 79.82 64.52	624.88
23 22 16 00-0138 EA 8" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	9,615.42 1,220.00 567.00 905.00 79.82 64.52	662.52
23 22 16 00-0139 EA 10" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	9,993.19 1,220.00 567.00 905.00 79.82 64.52	692.38
23 22 16 00-0140 EA 12" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	10,424.19 1,220.00 567.00 905.00 79.82 64.52	737.13
23 22 16 00-0141 EA 14" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	11,069.83 1,220.00 567.00 905.00 79.82 64.52	800.89
23 22 16 00-0142 EA 16" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	11,423.98 1,220.00 567.00 905.00 79.82 64.52	830.75
23 22 23 Steam Condensate Pumps (23 22)		
23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)		
23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13) Note: Cast iron receiver, float switch.		
23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,566.04	381.12
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,025.76	391.61
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,117.45	417.81
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,337.19	422.31
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,613.35	459.74
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,872.35	459.74
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,933.02	491.19
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,809.71	513.65
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,856.40	536.12
23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	1,801.73	407.33
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,363.45	417.81
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,452.63	445.52
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,841.04	481.45
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,933.02	491.94
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,041.22	509.16
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,162.40	536.12
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,835.82	570.55



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0021				40 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
			EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,006.58	467.22
			EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,553.30	504.66
			EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,999.24	498.68
			EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,021.22	509.16
			EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,104.92	530.87
			EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,856.40	536.12
			EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,920.82	570.55
23 22 23 13-0029				50 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
			EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,832.48	506.17
			EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	2,755.20	516.65
			EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,175.95	520.39
			EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,168.33	566.06
			EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,614.72	610.24
23 22 23 13-0035				Duplex Condensate Pumps And Motors <small>(23 22 23 13)</small>		
				Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036				20 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
			EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,599.97	511.41
			EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,752.60	561.58
			EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,014.33	566.06
			EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,370.45	616.97
			EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,729.45	616.97
			EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,815.08	664.90
			EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,716.01	694.10
			EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,855.41	728.54
23 22 23 13-0045				30 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
			EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,383.87	551.08
			EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,539.74	602.01
			EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,919.11	587.03
			EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,815.08	664.90
			EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,951.52	689.61
			EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,655.41	728.54
			EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,934.04	780.96
23 22 23 13-0053				40 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
			EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,665.37	649.92
			EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,053.54	679.13
			EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,963.52	689.61
			EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,103.94	724.06
			EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,856.41	728.54
			EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,958.04	780.96

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0060 50 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,831.37	649.92
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,133.96	714.32
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,206.56	775.72
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	9,118.89	840.11
23 23 Refrigerant Piping <small>(23 20)</small>		
23 23 13 Refrigerant Piping Valves <small>(23 23)</small>		
23 23 13 00-0001 Ball Valves <small>(23 23 13)</small>		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series <small>(23 23 13 00-0001)</small>		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated	29.35	8.12
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated	30.66	8.12
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated	37.15	8.12
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated	49.84	8.94
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated	66.82	10.16
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated	105.64	12.52
23 23 13 00-0009 Shut-Off Valves <small>(23 23 13)</small>		
23 23 13 00-0010 Packless <small>(23 23 13 00-0009)</small>		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless	31.88	8.46
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless	38.65	9.28
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless	73.69	12.69
23 23 13 00-0014 Packed <small>(23 23 13 00-0009)</small>		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed	127.27	18.46
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed	168.27	22.61
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed	203.11	25.45
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed	283.73	29.04
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed	500.29	81.33
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed	651.99	101.66
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed	919.11	135.58
23 23 13 00-0022 Check Valves <small>(23 23 13)</small>		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration	42.45	8.13
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration	112.84	8.94
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration	131.67	10.16
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration	175.79	10.82
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration	227.50	12.53
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration	328.96	14.81
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration	461.41	21.72
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration	602.46	28.46
23 23 13 00-0031 Solenoid Valves <small>(23 23 13)</small>		
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil <small>(23 23 13 00-0031)</small>		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration	89.10	8.13
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration	90.92	8.13
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration	113.87	8.94
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration	113.87	8.94
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration	156.09	10.16
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration	243.31	10.82
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration	429.33	12.53
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration	440.71	14.81
23 23 16 Refrigerant Piping Specialties <small>(23 23)</small>		
23 23 16 00-0001 Refrigeration Tubing Copper (Soft) Dehydrated And Sealed <small>(23 23 16)</small>		
Note: Based on outside diameter.		
23 23 16 00-0002 LF 1/8" Refrigeration Tubing Copper (Soft) Dehydrated	3.81	2.20
23 23 16 00-0003 LF 3/16" Refrigeration Tubing Copper (Soft) Dehydrated	3.86	2.20
23 23 16 00-0004 LF 1/4" Refrigeration Tubing Copper (Soft) Dehydrated	3.98	2.20
23 23 16 00-0005 LF 5/16" Refrigeration Tubing Copper (Soft) Dehydrated	4.26	2.20
23 23 16 00-0006 LF 3/8" Refrigeration Tubing Copper (Soft) Dehydrated	4.44	2.28
23 23 16 00-0007 LF 1/2" Refrigeration Tubing Copper (Soft) Dehydrated	5.03	2.44
23 23 16 00-0008 LF 5/8" Refrigeration Tubing Copper (Soft) Dehydrated	5.51	2.44
23 23 16 00-0009 LF 3/4" Refrigeration Tubing Copper (Soft) Dehydrated	6.39	2.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0010 LF 7/8" Refrigeration Tubing Copper (Soft) Dehydrated	7.76	3.01
23 23 16 00-0011 LF 1-1/8" Refrigeration Tubing Copper (Soft) Dehydrated	10.17	3.66
23 23 16 00-0012 LF 1-3/8" Refrigeration Tubing Copper (Soft) Dehydrated	13.26	4.23
23 23 16 00-0013 LF 1-5/8" Refrigeration Tubing Copper (Soft) Dehydrated	15.67	4.55
23 23 16 00-0014 Type ACR Copper Tubing, Hard Copper (23 23 16)		
23 23 16 00-0015 Brass Flare Fittings (23 23 16 00-0014)		
23 23 16 00-0016 Unions (23 23 16 00-0015)		
23 23 16 00-0017 EA 3/8" Brass Union	13.27	8.78
23 23 16 00-0018 EA 1/2" Brass Union	13.37	8.78
23 23 16 00-0019 EA 5/8" Brass Union	13.53	8.78
23 23 16 00-0020 90 Degree Elbow Unions (23 23 16 00-0015)		
23 23 16 00-0021 EA 3/8" 90 Degree Brass Elbow Union	13.47	8.78
23 23 16 00-0022 EA 1/2" 90 Degree Brass Elbow Union	13.64	8.78
23 23 16 00-0023 EA 5/8" 90 Degree Brass Elbow Union	14.14	8.78
23 23 16 00-0024 Three Way Tees (23 23 16 00-0015)		
23 23 16 00-0025 EA 3/8" Brass Three Way Tee	22.45	14.63
23 23 16 00-0026 EA 1/2" Brass Three Way Tee	22.66	14.63
23 23 16 00-0027 EA 5/8" Brass Three Way Tee	23.02	14.63
23 23 16 00-0028 Crosses (23 23 16 00-0015)		
23 23 16 00-0029 EA 3/8" Brass Cross	29.76	19.35
23 23 16 00-0030 EA 1/2" Brass Cross	30.19	19.35
23 23 16 00-0031 EA 5/8" Brass Cross	30.40	19.35
23 23 16 00-0032 Male Connector, Half Unions (23 23 16 00-0015)		
23 23 16 00-0033 EA 3/8" Brass Male Connector, 1/2 Union	13.29	8.78
23 23 16 00-0034 EA 1/2" Brass Male Connector, 1/2 Union	13.38	8.78
23 23 16 00-0035 EA 5/8" Brass Male Connector, 1/2 Union	13.53	8.78
23 23 16 00-0036 Female Connector, Half Unions (23 23 16 00-0015)		
23 23 16 00-0037 EA 3/8" Brass Female Connector, 1/2 Union	13.33	8.78
23 23 16 00-0038 EA 1/2" Brass Female Connector, 1/2 Union	13.52	8.78
23 23 16 00-0039 EA 5/8" Brass Female Connector, 1/2 Union	13.52	8.78
23 23 16 00-0040 Long Forged Nuts (23 23 16 00-0015)		
23 23 16 00-0041 EA 3/8" Brass Long Forged Nut	13.52	8.78
23 23 16 00-0042 EA 1/2" Brass Long Forged Nut	13.63	8.78
23 23 16 00-0043 EA 5/8" Brass Long Forged Nut	13.90	8.78
23 23 16 00-0044 Short Forged Nuts (23 23 16 00-0015)		
23 23 16 00-0045 EA 3/8" Brass Short Forged Nut	13.22	8.78
23 23 16 00-0046 EA 1/2" Brass Short Forged Nut	13.27	8.78
23 23 16 00-0047 EA 5/8" Brass Short Forged Nut	13.36	8.78
23 23 16 00-0048 Wrought Copper Solder Fittings (23 23 16 00-0014)		
23 23 16 00-0049 Coupling - C X C (23 23 16 00-0048)		
23 23 16 00-0050 EA 1/4" Wrought Copper Coupling	13.65	8.78
23 23 16 00-0051 EA 3/8" Wrought Copper Coupling	14.09	8.78
23 23 16 00-0052 EA 1/2" Wrought Copper Coupling	13.86	8.78
23 23 16 00-0053 90 Degree Elbow - C X C (23 23 16 00-0048)		
23 23 16 00-0054 EA 1/4" Wrought Copper 90 Degree Elbow	15.38	8.78
23 23 16 00-0055 EA 3/8" Wrought Copper 90 Degree Elbow	15.28	8.78
23 23 16 00-0056 EA 1/2" Wrought Copper 90 Degree Elbow	13.92	8.78
23 23 16 00-0057 45 Degree Elbow - C X C (23 23 16 00-0048)		
23 23 16 00-0058 EA 1/4" Wrought Copper 45 Degree Elbow	18.64	8.78
23 23 16 00-0059 EA 3/8" Wrought Copper 45 Degree Elbow	17.59	8.78
23 23 16 00-0060 EA 1/2" Wrought Copper 45 Degree Elbow	14.81	8.78
23 23 16 00-0061 Tee - C X C X C (23 23 16 00-0048)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0062	EA		1/4" Wrought Copper Tee	28.79	14.63
23 23 16 00-0063	EA		3/8" Wrought Copper Tee	27.19	14.63
23 23 16 00-0064	EA		1/2" Wrought Copper Tee	24.11	14.63
23 23 16 00-0065			Male Adapter - C X M <small>(23 23 16 00-0048)</small>		
23 23 16 00-0066	EA		1/4" Wrought Copper Male Adapter	22.81	8.78
23 23 16 00-0067	EA		3/8" Wrought Copper Male Adapter	17.89	8.78
23 23 16 00-0068	EA		1/2" Wrought Copper Male Adapter	14.91	8.78
23 23 16 00-0069			Female Adapter - C X F <small>(23 23 16 00-0048)</small>		
23 23 16 00-0070	EA		1/4" Wrought Copper Female Adapter	19.42	8.78
23 23 16 00-0071	EA		3/8" Wrought Copper Female Adapter	19.52	8.78
23 23 16 00-0072	EA		1/2" Wrought Copper Female Adapter	16.26	8.78
23 23 16 00-0073			Cap - C <small>(23 23 16 00-0048)</small>		
23 23 16 00-0074	EA		1/4" Wrought Copper Cap	9.62	5.85
23 23 16 00-0075	EA		3/8" Wrought Copper Cap	10.06	5.85
23 23 16 00-0076	EA		1/2" Wrought Copper Cap	9.38	5.85
23 23 16 00-0077			ACR Copper Tubing, Annealed <small>(23 23 16 00-0014)</small>		
23 23 16 00-0078	LF		3/8" Outside Diameter ACR Copper Tubing, Annealed	4.36	2.28
			<i>For Medical Applications "Oxygen Clean", Add</i>	0.66	
23 23 16 00-0079	LF		1/2" Outside Diameter ACR Copper Tubing, Annealed	4.79	2.28
			<i>For Medical Applications "Oxygen Clean", Add</i>	0.81	
23 23 16 00-0080	LF		5/8" Outside Diameter ACR Copper Tubing, Annealed	5.15	2.28
			<i>For Medical Applications "Oxygen Clean", Add</i>	0.94	
23 23 16 00-0081	LF		3/4" Outside Diameter ACR Copper Tubing, Annealed	7.30	3.41
			<i>For Medical Applications "Oxygen Clean", Add</i>	1.28	
23 23 16 00-0082	LF		7/8" Outside Diameter ACR Copper Tubing, Annealed	8.11	3.66
			<i>For Medical Applications "Oxygen Clean", Add</i>	1.46	
23 23 16 00-0083	LF		1-1/8" Outside Diameter ACR Copper Tubing, Annealed	9.23	3.66
			<i>For Medical Applications "Oxygen Clean", Add</i>	1.86	
23 23 16 00-0084	LF		1-3/8" Outside Diameter ACR Copper Tubing, Annealed	11.55	4.23
			<i>For Medical Applications "Oxygen Clean", Add</i>	2.44	
23 23 16 00-0085	LF		1-5/8" Outside Diameter ACR Copper Tubing, Annealed	13.80	4.87
			<i>For Medical Applications "Oxygen Clean", Add</i>	3.00	
23 23 16 00-0086	LF		2-1/8" Outside Diameter ACR Copper Tubing, Annealed	19.57	6.10
			<i>For Medical Applications "Oxygen Clean", Add</i>	4.56	
23 23 16 00-0087	LF		2-5/8" Outside Diameter ACR Copper Tubing, Annealed	28.63	9.19
			<i>For Medical Applications "Oxygen Clean", Add</i>	6.56	
23 23 16 00-0088	LF		3-1/8" Outside Diameter ACR Copper Tubing, Annealed	37.57	11.38
			<i>For Medical Applications "Oxygen Clean", Add</i>	8.88	
23 23 16 00-0089	LF		3-5/8" Outside Diameter ACR Copper Tubing, Annealed	47.34	13.49
			<i>For Medical Applications "Oxygen Clean", Add</i>	11.50	
23 23 16 00-0090	LF		4-1/8" Outside Diameter ACR Copper Tubing, Annealed	58.00	16.27
			<i>For Medical Applications "Oxygen Clean", Add</i>	14.20	
23 23 16 00-0091			Copper Fittings <small>(23 23 16 00-0014)</small>		
23 23 16 00-0092			Copper Tee, Sweat Straight, ACR <small>(23 23 16 00-0091)</small>		
23 23 16 00-0093	EA		5/8" Copper Tee Sweat Straight ACR	29.47	18.46
23 23 16 00-0094	EA		3/4" Copper Tee Sweat Straight ACR	39.76	18.46
23 23 16 00-0095	EA		7/8" Copper Tee Sweat Straight ACR	32.70	18.70
23 23 16 00-0096	EA		1-1/8" Copper Tee Sweat Straight ACR	50.67	24.81
23 23 16 00-0097	EA		1 3/8" Copper Tee Sweat Straight ACR	66.53	30.09
23 23 16 00-0098	EA		1-5/8" Copper Tee Sweat Straight ACR	83.34	35.70
23 23 16 00-0099	EA		2-1/8" Copper Tee Sweat Straight ACR	117.84	47.58
23 23 16 00-0100	EA		2-5/8" Copper Tee Sweat Straight ACR	249.14	103.85
23 23 16 00-0101	EA		3-1/8" Copper Tee Sweat Straight ACR	314.82	114.19
23 23 16 00-0102	EA		4-1/8" Copper Tee Sweat Straight ACR	498.60	126.88
23 23 16 00-0103			Short Radius 90 Degree Elbow, ACR <small>(23 23 16 00-0091)</small>		
23 23 16 00-0104	EA		5/8" Short Radius 90 Degree Elbow, ACR	20.03	9.19
			<i>For Long Sweep/Radius, Add</i>	2.18	
23 23 16 00-0105	EA		3/4" Short Radius 90 Degree Elbow, ACR	24.92	12.12
			<i>For Long Sweep/Radius, Add</i>	2.35	
23 23 16 00-0106	EA		7/8" Short Radius 90 Degree Elbow, ACR	27.07	12.44
			<i>For Long Sweep/Radius, Add</i>	2.95	
23 23 16 00-0107	EA		1-1/8" Short Radius 90 Degree Elbow, ACR	35.28	15.45
			<i>For Long Sweep/Radius, Add</i>	4.25	
23 23 16 00-0108	EA		1 3/8" Short Radius 90 Degree Elbow, ACR	51.18	21.14
			<i>For Long Sweep/Radius, Add</i>	6.81	
23 23 16 00-0109	EA		1-5/8" Short Radius 90 Degree Elbow, ACR	61.66	24.81
			<i>For Long Sweep/Radius, Add</i>	8.55	
23 23 16 00-0110	EA		2-1/8" Short Radius 90 Degree Elbow, ACR	88.26	30.09
			<i>For Long Sweep/Radius, Add</i>	15.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0111 EA 2-5/8" Short Radius 90 Degree Elbow, ACR..... <i>For Long Sweep/Radius, Add</i>	164.77 33.70	45.71
23 23 16 00-0112 EA 3-1/8" Short Radius 90 Degree Elbow, ACR..... <i>For Long Sweep/Radius, Add</i>	226.54 47.75	60.10
23 23 16 00-0113 EA 4-1/8" Short Radius 90 Degree Elbow, ACR..... <i>For Long Sweep/Radius, Add</i>	453.12 121.14	71.41
23 23 16 00-0114 Couplings <small>(23 23 16 00-0091)</small>		
23 23 16 00-0115 EA 5/8" Coupling Copper Sweat, ACR	14.85	9.19
23 23 16 00-0116 EA 3/4" Coupling Copper Sweat, ACR	21.00	12.12
23 23 16 00-0117 EA 7/8" Coupling Copper Sweat, ACR	20.48	12.44
23 23 16 00-0118 EA 1-1/8" Coupling Copper Sweat, ACR	26.92	15.45
23 23 16 00-0119 EA 1 3/8" Coupling Copper Sweat, ACR	38.34	21.14
23 23 16 00-0120 EA 1-5/8" Coupling Copper Sweat, ACR	46.04	24.81
23 23 16 00-0121 EA 2-1/8" Coupling Copper Sweat, ACR	58.17	30.09
23 23 16 00-0122 EA 2-5/8" Coupling Copper Sweat, ACR	91.96	45.71
23 23 16 00-0123 EA 3-1/8" Coupling Copper Sweat, ACR	133.31	60.10
23 23 16 00-0124 EA 4-1/8" Coupling Copper Sweat, ACR	190.90	71.41
23 23 16 00-0125 Sight Glass, Moisture And Liquid Indicator <small>(23 23 16)</small>		
Note: Outside diameter pipe sizes. Solder connections.		
23 23 16 00-0126 EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	36.40	11.23
23 23 16 00-0127 EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	40.99	13.47
23 23 16 00-0128 EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	49.14	16.47
23 23 16 00-0129 EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	54.36	18.72
23 23 16 00-0130 EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	69.69	23.96
23 23 16 00-0131 EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	81.69	29.21
23 23 16 00-0132 EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	114.43	34.45
23 23 16 00-0133 EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	145.70	47.18
23 23 16 00-0134 EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	182.83	58.40
23 23 16 00-0135 Filter Dryers Solder Connections <small>(23 23 16)</small>		
Note: Outside diameter pipe sizes.		
23 23 16 00-0136 Replaceable Core Type Filter Dryers <small>(23 23 16 00-0135)</small>		
23 23 16 00-0137 EA 1/2" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	154.71	6.74
23 23 16 00-0138 EA 5/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	165.18	6.74
23 23 16 00-0139 EA 7/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	224.94	8.23
23 23 16 00-0140 EA 1-1/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	263.87	8.23
23 23 16 00-0141 EA 1-3/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	303.18	8.99
23 23 16 00-0142 EA 1-5/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	349.73	9.74
23 23 16 00-0143 EA 2-1/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	545.53	10.48
23 23 16 00-0144 EA 2-5/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	880.46	11.23
23 23 16 00-0145 EA 3-1/8" Outside Diameter Replaceable Core Filter Dryer With Solder Connections.....	1,008.56	11.23
23 23 16 00-0146 Sealed In-Line Filter Dryers <small>(23 23 16 00-0135)</small>		
23 23 16 00-0147 EA 1/4" Sealed In Line Filter Dryer, 3 CI	57.17	6.74
<i>For Bi-Flow, Add</i>	12.98	
23 23 16 00-0148 EA 3/8" Sealed In Line Filter Dryer, 5 CI	72.82	6.74
<i>For Bi-Flow, Add</i>	16.15	
23 23 16 00-0149 EA 1/2" Sealed In Line Filter Dryer, 9 CI	90.68	7.49
<i>For Bi-Flow, Add</i>	19.75	
23 23 16 00-0150 EA 1/2" Sealed In Line Filter Dryer, 16 CI	104.91	7.49
<i>For Bi-Flow, Add</i>	27.14	
23 23 16 00-0151 EA 5/8" Sealed In Line Filter Dryer, 16 CI	115.86	7.49
<i>For Bi-Flow, Add</i>	27.83	
23 23 16 00-0152 EA 5/8" Sealed In Line Filter Dryer, 30 CI	128.94	7.49
<i>For Bi-Flow, Add</i>	44.18	
23 23 16 00-0153 EA 7/8" Sealed In Line Filter Dryer, 30 CI	144.90	8.23
<i>For Bi-Flow, Add</i>	47.41	
23 23 16 00-0154 EA 7/8" Sealed In Line Filter Dryer, 41 CI	153.64	8.23
<i>For Bi-Flow, Add</i>	58.34	
23 23 16 00-0155 EA 1-1/8" Sealed In Line Filter Dryer, 60 CI	180.62	8.23
<i>For Bi-Flow, Add</i>	69.78	
23 23 16 00-0156 P-Traps, Expansion Valves And Vibration Absorbers <small>(23 23 16)</small>		
23 23 16 00-0157 P-Traps, Suction Line, Solder <small>(23 23 16 00-0156)</small>		
Note: Outside diameter pipe sizes.		
23 23 16 00-0158 EA 5/8" P-Trap, Suction Line, Solder Outside Diameter Pipe Sizes.....	37.16	7.49
23 23 16 00-0159 EA 3/4" P-Trap, Suction Line, Solder Outside Diameter Pipe Sizes.....	43.63	8.23
23 23 16 00-0160 EA 7/8" P-Trap, Suction Line, Solder Outside Diameter Pipe Sizes.....	49.09	8.23
23 23 16 00-0161 EA 1-1/8" P-Trap, Suction Line, Solder Outside Diameter Pipe Sizes.....	57.17	8.99
23 23 16 00-0162 EA 1-3/8" P-Trap, Suction Line, Solder Outside Diameter Pipe Sizes.....	92.72	8.99
23 23 16 00-0163 EA 1-5/8" P-Trap, Suction Line, Solder Outside Diameter Pipe Sizes.....	120.55	9.74
23 23 16 00-0164 EA 2-1/8" P-Trap, Suction Line, Solder Outside Diameter Pipe Sizes.....	183.14	10.48

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0165 Thermostatic Expansion Valves <small>(23 23 16 00-0156)</small>		
Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0166 EA 1/2 - 3 Ton Thermostatic Expansion Valve, 3/8" In x 5/8" Out, (Sporlan TP-S)	128.90	6.74
23 23 16 00-0167 EA 4 - 5 Ton Thermostatic Expansion Valve, 1/2" In x 7/8" Out, (Sporlan TP-S).....	166.94	7.49
23 23 16 00-0168 EA 6 - 8 Ton Thermostatic Expansion Valve, 5/8" In x 7/8" Out, (Sporlan TP-S).....	198.14	7.49
23 23 16 00-0169 EA 7 - 12 Ton Thermostatic Expansion Valve, 7/8" In x 1-1/8" Out, (Sporlan TP-S)	261.33	8.23
23 23 16 00-0170 EA 15 - 20 Ton Thermostatic Expansion Valve, 7/8" In x 1-3/8" Out, (Sporlan TP-S)	298.77	8.23
23 23 16 00-0171 Electric Expansion Valves <small>(23 23 16 00-0156)</small>		
Note: Sporlan SEI or SEH.		
23 23 16 00-0172 EA 1/2 - 11 Ton Electric Expansion Valve	261.79	9.36
Note: Sporlan SEI.		
23 23 16 00-0173 EA 25 Ton Electric Expansion Valve	299.08	9.74
Note: Sporlan SEI.		
23 23 16 00-0174 EA 50 Ton Electric Expansion Valve	336.55	10.11
Note: Sporlan SEI.		
23 23 16 00-0175 EA 100 Ton Electric Expansion Valve	403.13	10.11
Note: Sporlan SEH.		
23 23 16 00-0176 EA 175 Ton Electric Expansion Valve	451.56	10.48
Note: Sporlan SEH.		
23 23 16 00-0177 Vibration Absorbers, Packless, Flex Hose <small>(23 23 16 00-0156)</small>		
Note: Outside diameter pipe sizes.		
23 23 16 00-0178 EA 1/4" Outside Diameter Vibration Absorber Packless, Flex Hose.....	33.83	9.74
23 23 16 00-0179 EA 3/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	39.33	11.23
23 23 16 00-0180 EA 1/2" Outside Diameter Vibration Absorber Packless, Flex Hose.....	46.31	14.23
23 23 16 00-0181 EA 5/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	52.28	17.22
23 23 16 00-0182 EA 3/4" Outside Diameter Vibration Absorber Packless, Flex Hose.....	60.05	20.96
23 23 16 00-0183 EA 7/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	69.38	23.96
23 23 16 00-0184 EA 1-1/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	94.90	8.99
23 23 16 00-0185 EA 1-3/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	123.30	9.74
23 23 16 00-0186 EA 1-5/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	149.07	9.74
23 23 16 00-0187 EA 2-1/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	211.15	10.48
23 23 16 00-0188 EA 2-5/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	313.81	11.23
23 23 16 00-0189 EA 3-1/8" Outside Diameter Vibration Absorber Packless, Flex Hose.....	417.41	11.23
23 23 16 00-0190 Accumulator, Refrigerant Suction Line <small>(23 23 16)</small>		
23 23 16 00-0191 EA 3/4" Accumulator, Refrigeration Suction Line.....	102.80	34.06
23 23 16 00-0192 EA 7/8" Accumulator, Refrigeration Suction Line.....	163.79	46.79
23 23 16 00-0193 EA 1-1/8" Accumulator, Refrigeration Suction Line	224.91	62.37
23 23 16 00-0194 EA 1 3/8" Accumulator, Refrigeration Suction Line.....	276.83	74.88
23 23 16 00-0195 EA 1-5/8" Accumulator, Refrigeration Suction Line	366.36	93.60
23 23 16 00-0196 EA 2-1/8" Accumulator, Refrigeration Suction Line	467.18	124.82
23 23 16 00-0197 Refrigerant Monitor <small>(23 23 16)</small>		
Note: With infrared photo acoustic sensor technology, NEMA 4 enclosure, display panel, alarm outputs including remote, calibrated for specific refrigerant.		
23 23 16 00-0198 EA Refrigerant Monitor With Sensors.....	5,508.58	
23 23 16 00-0199 Special Chemicals/Component <small>(23 23 16)</small>		
23 23 16 00-0200 GAL Special Chemical, Inhibited Propylene Glycol, 100%.....	20.50	
23 23 16 00-0201 GAL Remove/Store For Reuse Inhibited Propylene Glycol	5.81	
23 23 16 00-0202 GAL Special Chemical, Inhibited Ethylene Glycol, 100%.....	14.12	
23 23 16 00-0203 EA Internal Coil/Refrigerant Piping Flush	191.27	
Note: Up to 10 ton AC system.		
23 23 23 Refrigerants <small>(23 23)</small>		
23 23 23 00-0001 Refrigerant <small>(23 23 23)</small>		
23 23 23 00-0002 LB Refrigerant R-113	13.95	
23 23 23 00-0003 LB Refrigerant R-123	13.00	
23 23 23 00-0004 LB Refrigerant R-134A	4.90	
23 23 23 00-0005 LB Refrigerant R-404A.....	6.33	
23 23 23 00-0006 LB Refrigerant R-407C.....	6.08	
23 23 23 00-0007 LB Refrigerant R-408A.....	18.71	
23 23 23 00-0008 LB Refrigerant R-409A.....	20.50	
23 23 23 00-0009 LB Refrigerant R-410A.....	5.04	
23 23 23 00-0010 LB Refrigerant R-500	16.00	
23 23 23 00-0011 LB Refrigerant R-502	18.33	
23 23 23 00-0012 LB Refrigerant R-507	6.08	

23 25 HVAC Water Treatment (23 20)**23 25 13 Water Treatment For Closed-Loop Hydronic Systems** (23 25)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0001 Polyethylene Chemical Storage Tanks <small>(23 25 13)</small>		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	179.62	62.54
23 25 13 00-0003 Gas Chlorinator <small>(23 25 13)</small>		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	903.36	284.54
<i>For Booster Pump, Add</i>	331.30	
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,031.88	325.18
<i>For Booster Pump, Add</i>	378.67	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,477.05	246.32
<i>For Booster Pump, Add</i>	472.85	
23 25 13 00-0007 Bypass Shot Feeders <small>(23 25 13)</small>		
<small>Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.</small>		
23 25 13 00-0008 In Line Mount, 125 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	781.05	211.90
23 25 13 00-0010 Floor Mount, 175 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,141.88	318.97
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,503.59	422.31
23 25 13 00-0013 Floor Mount, 150 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,141.88	318.97
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,503.59	422.31
23 25 13 00-0016 Floor Mount, 300 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,509.12	318.97
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,884.90	422.31
23 30 HVAC Air Distribution <small>(23)</small>		
23 31 HVAC Ducts And Casings <small>(23 30)</small>		
<small>Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0336 for angle iron, 23 05 29 00-0001 for threaded rod.</small>		
23 31 13 Metal Ducts <small>(23 31)</small>		
23 31 13 13 Rectangular Metal Ducts <small>(23 31 13)</small>		
23 31 13 13-0001 Steel Sheet Metal Duct <small>(23 31 13 13)</small>		
<small>Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.</small>		
23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
<small>Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Pressure class 2" w.g. and less are considered low pressure/seal class C; pressure class 3" w.g. and less are considered medium pressure/seal class B; pressure class 4" w.g. and larger are considered high pressure/seal class A. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. Field fabricated ductwork is fabricated by hand to fit unique designs and installed on site. SMACNA weight for ductwork LB/SF (surface areas) by gauge: 30 gauge - 0.656 LB/SF; 28 gauge - 0.781 LB/SF; 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF; Add 10% additional material for lappage. The gauge of sheet metal is determined by the dimensional opening. Use the following to determine the minimum gauge of low pressure rectangular sheet metal ductwork unless otherwise stated by owner or drawings. The largest dimension of duct governs the gauge: up to 12" - 26 gauge, 13" to 30" - 24 gauge, 31" to 54" - 22 gauge, 55" to 84" - 20 gauge, 85" and larger - 18 gauge. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.</small>		
23 31 13 13-0003 LB Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install	8.46	2.24
<i>For Flat Oval, Add</i>	0.17	
<i>For Up To 200, Add</i>	2.87	
<i>For >200 To 500, Add</i>	1.80	
<i>For >500 To 1,000, Add</i>	1.26	
<i>For >1,000 To 2,000, Add</i>	0.71	
<i>For >2,000 To 5,000, Add</i>	0.33	
<i>For Work In Restricted Working Space, Add</i>	2.21	
23 31 13 13-0004 LB Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install	9.62	2.62
<i>For Flat Oval, Add</i>	0.18	
<i>For Up To 200, Add</i>	3.24	
<i>For >200 To 500, Add</i>	2.03	
<i>For >500 To 1,000, Add</i>	1.43	
<i>For >1,000 To 2,000, Add</i>	0.81	
<i>For >2,000 To 5,000, Add</i>	0.37	
<i>For Work In Restricted Working Space, Add</i>	2.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0005	LB	Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install.....	11.52	2.99
			<i>For Flat Oval, Add</i>	0.19	
			<i>For Up To 200, Add</i>	3.83	
			<i>For >200 To 500, Add</i>	2.39	
			<i>For >500 To 1,000, Add</i>	1.70	
			<i>For >1,000 To 2,000, Add</i>	0.96	
			<i>For >2,000 To 5,000, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	3.08	
23 31 13	13-0006	LB	Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	5.46	2.24
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.34	
			<i>For Flat Oval, Add</i>	0.26	
			<i>For Up To 200, Add</i>	2.15	
			<i>For >200 To 500, Add</i>	1.41	
			<i>For >500 To 1,000, Add</i>	0.88	
			<i>For >1,000 To 2,000, Add</i>	0.49	
			<i>For >2,000 To 5,000, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	1.12	
23 31 13	13-0007	LB	Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	6.34	2.62
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.42	
			<i>For Flat Oval, Add</i>	0.32	
			<i>For Up To 200, Add</i>	2.54	
			<i>For >200 To 500, Add</i>	1.67	
			<i>For >500 To 1,000, Add</i>	1.04	
			<i>For >1,000 To 2,000, Add</i>	0.57	
			<i>For >2,000 To 5,000, Add</i>	0.23	
			<i>For Work In Restricted Working Space, Add</i>	1.27	
23 31 13	13-0008	LB	Sheet Metal Ductwork, High Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	7.70	2.99
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.52	
			<i>For Flat Oval, Add</i>	0.39	
			<i>For Up To 200, Add</i>	3.09	
			<i>For >200 To 500, Add</i>	2.04	
			<i>For >500 To 1,000, Add</i>	1.26	
			<i>For >1,000 To 2,000, Add</i>	0.69	
			<i>For >2,000 To 5,000, Add</i>	0.28	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
23 31 13	13-0009		Aluminum Sheet Metal Duct Alloy 3003-H14 <small>(23 31 13 13)</small>		
			Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13	13-0010	LB	Aluminum Sheet Metal Ductwork, Low Pressure, Alloy 3003-H14.....	14.01	2.24
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Up To 200 LB, Add</i>	4.59	
			<i>For >200 To 500, Add</i>	2.85	
			<i>For >500 To 1,000, Add</i>	2.05	
			<i>For >1,000 To 2,000, Add</i>	1.16	
			<i>For >2,000 To 5,000, Add</i>	0.55	
23 31 13	13-0011		Stainless Steel Sheet Metal Duct Type 304 <small>(23 31 13 13)</small>		
			Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13	13-0012	LB	Stainless Steel Sheet Metal Ductwork, Low Pressure, Type 304.....	14.31	2.99
			<i>For Type 316 Stainless Steel, Add</i>	0.41	
			<i>For Welded Seams, Add</i>	5.29	
			<i>For Work In Restricted Working Space, Add</i>	3.05	
			<i>For Up To 200 LB, Add</i>	5.54	
			<i>For >200 To 500, Add</i>	3.61	
			<i>For >500 To 1,000, Add</i>	2.29	
			<i>For >1,000 To 2,000, Add</i>	1.27	
			<i>For >2,000 To 5,000, Add</i>	0.53	
23 31 13	13-0013	LB	Stainless Steel Sheet Metal Ductwork, Medium Pressure, Type 304.....	16.39	3.74
			<i>For Type 316 Stainless Steel, Add</i>	0.48	
			<i>For Welded Seams, Add</i>	6.05	
			<i>For Work In Restricted Working Space, Add</i>	3.49	
			<i>For Up To 200 LB, Add</i>	6.35	
			<i>For >200 To 500, Add</i>	4.14	
			<i>For >500 To 1,000, Add</i>	2.63	
			<i>For >1,000 To 2,000, Add</i>	1.45	
			<i>For >2,000 To 5,000, Add</i>	0.61	
23 31 13	13-0014	LB	Stainless Steel Sheet Metal Ductwork, High Pressure, Type 304.....	19.98	4.49
			<i>For Type 316 Stainless Steel, Add</i>	0.58	
			<i>For Welded Seams, Add</i>	7.39	
			<i>For Work In Restricted Working Space, Add</i>	4.26	
			<i>For Up To 200 LB, Add</i>	7.73	
			<i>For >200 To 500, Add</i>	5.04	
			<i>For >500 To 1,000, Add</i>	3.20	
			<i>For >1,000 To 2,000, Add</i>	1.77	
			<i>For >2,000 To 5,000, Add</i>	0.74	
23 31 13	13-0015		Rework Sheet Metal Ductwork <small>(23 31 13 13)</small>		
			Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13	13-0016	LF	Up To 1 SF Cross Section, Rework Existing Ductwork.....	22.43	
23 31 13	13-0017	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork.....	43.73	
23 31 13	13-0018	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork.....	57.79	
23 31 13	13-0019	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork.....	72.36	
23 31 13	13-0020	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork.....	100.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0021	LF		>8 To 10 SF Cross Section, Rework Existing Ductwork	117.73	
23 31 13 13-0022	LF		>10 To 12 SF Cross Section, Rework Existing Ductwork	134.56	
23 31 13 13-0023	LF		>12 To 14 SF Cross Section, Rework Existing Ductwork	151.37	
23 31 13 16			Round and Flat-Oval Spiral Ducts <small>(23 31 13)</small>		
23 31 13 16-0001			Factory Fabricated Field Installed Low Pressure Round Duct <small>(23 31 13 16)</small> Note: Based on 26 gauge.		
23 31 13 16-0002			Round Duct <small>(23 31 13 16-0001)</small> Note: Includes straps and supports.		
23 31 13 16-0003	LF		4" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	5.27	1.86
			<i>For 28 Gauge, Deduct</i>	-0.20	
			<i>For 24 Gauge, Add</i>	0.20	
			<i>For 22 Gauge, Add</i>	0.40	
			<i>For 20 Gauge, Add</i>	0.60	
			<i>For 18 Gauge, Add</i>	0.80	
			<i>For 16 Gauge, Add</i>	0.99	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.08	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	3.76	
			<i>For Work In Restricted Working Space, Add</i>	1.14	
23 31 13 16-0004	LF		5" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	6.10	2.11
			<i>For 28 Gauge, Deduct</i>	-0.26	
			<i>For 24 Gauge, Add</i>	0.26	
			<i>For 22 Gauge, Add</i>	0.52	
			<i>For 20 Gauge, Add</i>	0.77	
			<i>For 18 Gauge, Add</i>	1.03	
			<i>For 16 Gauge, Add</i>	1.26	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.38	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	4.20	
			<i>For Work In Restricted Working Space, Add</i>	1.27	
23 31 13 16-0005	LF		6" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	6.89	2.54
			<i>For 28 Gauge, Deduct</i>	-0.30	
			<i>For 24 Gauge, Add</i>	0.29	
			<i>For 22 Gauge, Add</i>	0.59	
			<i>For 20 Gauge, Add</i>	0.88	
			<i>For 18 Gauge, Add</i>	1.17	
			<i>For 16 Gauge, Add</i>	1.44	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.58	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	4.64	
			<i>For Work In Restricted Working Space, Add</i>	1.43	
23 31 13 16-0006	LF		7" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	7.96	2.96
			<i>For 28 Gauge, Deduct</i>	-0.35	
			<i>For 24 Gauge, Add</i>	0.35	
			<i>For 22 Gauge, Add</i>	0.69	
			<i>For 20 Gauge, Add</i>	1.04	
			<i>For 18 Gauge, Add</i>	1.39	
			<i>For 16 Gauge, Add</i>	1.70	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.86	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	1.63	
23 31 13 16-0007	LF		8" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	9.14	3.38
			<i>For 28 Gauge, Deduct</i>	-0.39	
			<i>For 24 Gauge, Add</i>	0.39	
			<i>For 22 Gauge, Add</i>	0.77	
			<i>For 20 Gauge, Add</i>	1.16	
			<i>For 18 Gauge, Add</i>	1.54	
			<i>For 16 Gauge, Add</i>	1.89	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.07	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	5.52	
			<i>For Work In Restricted Working Space, Add</i>	1.90	
23 31 13 16-0008	LF		10" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	11.06	4.23
			<i>For 28 Gauge, Deduct</i>	-0.48	
			<i>For 24 Gauge, Add</i>	0.48	
			<i>For 22 Gauge, Add</i>	0.95	
			<i>For 20 Gauge, Add</i>	1.43	
			<i>For 18 Gauge, Add</i>	1.90	
			<i>For 16 Gauge, Add</i>	2.33	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.55	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	6.40	
			<i>For Work In Restricted Working Space, Add</i>	2.28	
23 31 13 16-0009	LF		12" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	13.75	5.67
			<i>For 28 Gauge, Deduct</i>	-0.59	
			<i>For 24 Gauge, Add</i>	0.59	
			<i>For 22 Gauge, Add</i>	1.17	
			<i>For 20 Gauge, Add</i>	1.76	
			<i>For 18 Gauge, Add</i>	2.33	
			<i>For 16 Gauge, Add</i>	2.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.14	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	2.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0010	LF		14" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	16.83	8.46
			<i>For 28 Gauge, Deduct</i>	-0.68	
			<i>For 24 Gauge, Add</i>	0.68	
			<i>For 22 Gauge, Add</i>	1.36	
			<i>For 20 Gauge, Add</i>	2.04	
			<i>For 18 Gauge, Add</i>	2.71	
			<i>For 16 Gauge, Add</i>	3.33	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.65	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	7.26	
			<i>For Work In Restricted Working Space, Add</i>	3.57	
23 31 13 16-0011	LF		16" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	23.17	11.34
			<i>For 28 Gauge, Deduct</i>	-1.01	
			<i>For 24 Gauge, Add</i>	1.01	
			<i>For 22 Gauge, Add</i>	2.01	
			<i>For 20 Gauge, Add</i>	3.02	
			<i>For 18 Gauge, Add</i>	4.02	
			<i>For 16 Gauge, Add</i>	4.93	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.40	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	7.58	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 16-0012			Round Adjustable Elbows <small>(23 31 13 16-0001)</small>		
			Note: Up to 90 degree.		
23 31 13 16-0013	EA		4" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	29.47	11.30
			<i>For 28 Gauge, Deduct</i>	-0.95	
			<i>For 24 Gauge, Add</i>	0.95	
			<i>For 22 Gauge, Add</i>	1.90	
			<i>For 20 Gauge, Add</i>	2.85	
			<i>For 18 Gauge, Add</i>	3.78	
			<i>For 16 Gauge, Add</i>	4.64	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.09	
			<i>For Work In Restricted Working Space, Add</i>	6.78	
23 31 13 16-0014	EA		5" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	33.54	13.03
			<i>For 28 Gauge, Deduct</i>	-1.04	
			<i>For 24 Gauge, Add</i>	1.03	
			<i>For 22 Gauge, Add</i>	2.06	
			<i>For 20 Gauge, Add</i>	3.10	
			<i>For 18 Gauge, Add</i>	4.11	
			<i>For 16 Gauge, Add</i>	5.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	7.82	
23 31 13 16-0015	EA		6" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	39.22	15.39
			<i>For 28 Gauge, Deduct</i>	-1.17	
			<i>For 24 Gauge, Add</i>	1.16	
			<i>For 22 Gauge, Add</i>	2.32	
			<i>For 20 Gauge, Add</i>	3.49	
			<i>For 18 Gauge, Add</i>	4.63	
			<i>For 16 Gauge, Add</i>	5.68	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.23	
			<i>For Work In Restricted Working Space, Add</i>	9.24	
23 31 13 16-0016	EA		7" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	49.94	19.79
			<i>For 28 Gauge, Deduct</i>	-1.43	
			<i>For 24 Gauge, Add</i>	1.43	
			<i>For 22 Gauge, Add</i>	2.85	
			<i>For 20 Gauge, Add</i>	4.28	
			<i>For 18 Gauge, Add</i>	5.69	
			<i>For 16 Gauge, Add</i>	6.98	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.65	
			<i>For Work In Restricted Working Space, Add</i>	11.88	
23 31 13 16-0017	EA		8" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	59.41	24.11
			<i>For 28 Gauge, Deduct</i>	-1.55	
			<i>For 24 Gauge, Add</i>	1.54	
			<i>For 22 Gauge, Add</i>	3.08	
			<i>For 20 Gauge, Add</i>	4.63	
			<i>For 18 Gauge, Add</i>	6.15	
			<i>For 16 Gauge, Add</i>	7.55	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.27	
			<i>For Work In Restricted Working Space, Add</i>	14.47	
23 31 13 16-0018	EA		10" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	90.05	37.65
			<i>For 28 Gauge, Deduct</i>	-2.04	
			<i>For 24 Gauge, Add</i>	2.04	
			<i>For 22 Gauge, Add</i>	4.06	
			<i>For 20 Gauge, Add</i>	6.11	
			<i>For 18 Gauge, Add</i>	8.11	
			<i>For 16 Gauge, Add</i>	9.96	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.92	
			<i>For Work In Restricted Working Space, Add</i>	22.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0019 EA 12" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	124.05	52.03
<i>For 28 Gauge, Deduct</i>	-2.77	
<i>For 24 Gauge, Add</i>	2.76	
<i>For 22 Gauge, Add</i>	5.50	
<i>For 20 Gauge, Add</i>	8.27	
<i>For 18 Gauge, Add</i>	10.99	
<i>For 16 Gauge, Add</i>	13.49	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.79	
<i>For Work In Restricted Working Space, Add</i>	31.22	
23 31 13 16-0020 EA 14" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	153.72	61.55
<i>For 28 Gauge, Deduct</i>	-4.24	
<i>For 24 Gauge, Add</i>	4.23	
<i>For 22 Gauge, Add</i>	8.44	
<i>For 20 Gauge, Add</i>	12.68	
<i>For 18 Gauge, Add</i>	16.85	
<i>For 16 Gauge, Add</i>	20.68	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.67	
<i>For Work In Restricted Working Space, Add</i>	36.93	
23 31 13 16-0021 EA 16" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	179.26	67.68
<i>For 28 Gauge, Deduct</i>	-6.08	
<i>For 24 Gauge, Add</i>	6.06	
<i>For 22 Gauge, Add</i>	12.09	
<i>For 20 Gauge, Add</i>	18.17	
<i>For 18 Gauge, Add</i>	24.14	
<i>For 16 Gauge, Add</i>	29.63	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	32.48	
<i>For Work In Restricted Working Space, Add</i>	40.61	
23 31 13 16-0022 90 Degree Round Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0023 EA 4" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	24.82	7.61
<i>For 28 Gauge, Deduct</i>	-0.80	
<i>For 24 Gauge, Add</i>	0.80	
<i>For 22 Gauge, Add</i>	1.59	
<i>For 20 Gauge, Add</i>	2.39	
<i>For 18 Gauge, Add</i>	3.18	
<i>For 16 Gauge, Add</i>	3.90	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.28	
<i>For Work In Restricted Working Space, Add</i>	5.71	
23 31 13 16-0024 EA 5" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	28.35	8.72
<i>For 28 Gauge, Deduct</i>	-0.91	
<i>For 24 Gauge, Add</i>	0.91	
<i>For 22 Gauge, Add</i>	1.82	
<i>For 20 Gauge, Add</i>	2.73	
<i>For 18 Gauge, Add</i>	3.62	
<i>For 16 Gauge, Add</i>	4.45	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.88	
<i>For Work In Restricted Working Space, Add</i>	6.53	
23 31 13 16-0025 EA 6" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	32.88	10.15
<i>For 28 Gauge, Deduct</i>	-1.04	
<i>For 24 Gauge, Add</i>	1.04	
<i>For 22 Gauge, Add</i>	2.07	
<i>For 20 Gauge, Add</i>	3.11	
<i>For 18 Gauge, Add</i>	4.13	
<i>For 16 Gauge, Add</i>	5.06	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.55	
<i>For Work In Restricted Working Space, Add</i>	7.61	
23 31 13 16-0026 EA 7" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	38.41	12.18
<i>For 28 Gauge, Deduct</i>	-1.10	
<i>For 24 Gauge, Add</i>	1.10	
<i>For 22 Gauge, Add</i>	2.19	
<i>For 20 Gauge, Add</i>	3.29	
<i>For 18 Gauge, Add</i>	4.37	
<i>For 16 Gauge, Add</i>	5.37	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.88	
<i>For Work In Restricted Working Space, Add</i>	9.14	
23 31 13 16-0027 EA 8" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	47.30	15.23
<i>For 28 Gauge, Deduct</i>	-1.28	
<i>For 24 Gauge, Add</i>	1.27	
<i>For 22 Gauge, Add</i>	2.54	
<i>For 20 Gauge, Add</i>	3.82	
<i>For 18 Gauge, Add</i>	5.08	
<i>For 16 Gauge, Add</i>	6.23	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.83	
<i>For Work In Restricted Working Space, Add</i>	11.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028	EA		10" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	63.94	20.31
			<i>For 28 Gauge, Deduct</i>	-1.83	
			<i>For 24 Gauge, Add</i>	1.82	
			<i>For 22 Gauge, Add</i>	3.63	
			<i>For 20 Gauge, Add</i>	5.46	
			<i>For 18 Gauge, Add</i>	7.25	
			<i>For 16 Gauge, Add</i>	8.90	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.75	
			<i>For Work In Restricted Working Space, Add</i>	15.23	
23 31 13 16-0029	EA		12" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	93.59	30.46
			<i>For 28 Gauge, Deduct</i>	-2.42	
			<i>For 24 Gauge, Add</i>	2.41	
			<i>For 22 Gauge, Add</i>	4.80	
			<i>For 20 Gauge, Add</i>	7.22	
			<i>For 18 Gauge, Add</i>	9.59	
			<i>For 16 Gauge, Add</i>	11.77	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.91	
			<i>For Work In Restricted Working Space, Add</i>	22.85	
23 31 13 16-0030	EA		14" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	129.96	38.91
			<i>For 28 Gauge, Deduct</i>	-4.52	
			<i>For 24 Gauge, Add</i>	4.51	
			<i>For 22 Gauge, Add</i>	9.00	
			<i>For 20 Gauge, Add</i>	13.52	
			<i>For 18 Gauge, Add</i>	17.96	
			<i>For 16 Gauge, Add</i>	22.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.17	
			<i>For Work In Restricted Working Space, Add</i>	29.19	
23 31 13 16-0031	EA		16" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	162.63	49.07
			<i>For 28 Gauge, Deduct</i>	-5.53	
			<i>For 24 Gauge, Add</i>	5.51	
			<i>For 22 Gauge, Add</i>	11.01	
			<i>For 20 Gauge, Add</i>	16.54	
			<i>For 18 Gauge, Add</i>	21.98	
			<i>For 16 Gauge, Add</i>	26.97	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.57	
			<i>For Work In Restricted Working Space, Add</i>	36.80	
23 31 13 16-0032			45 Degree Round Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0033	EA		4" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	22.67	7.61
			<i>For 28 Gauge, Deduct</i>	-0.50	
			<i>For 24 Gauge, Add</i>	0.50	
			<i>For 22 Gauge, Add</i>	1.00	
			<i>For 20 Gauge, Add</i>	1.50	
			<i>For 18 Gauge, Add</i>	2.00	
			<i>For 16 Gauge, Add</i>	2.45	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 31 13 16-0034	EA		5" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	26.43	8.72
			<i>For 28 Gauge, Deduct</i>	-0.65	
			<i>For 24 Gauge, Add</i>	0.64	
			<i>For 22 Gauge, Add</i>	1.29	
			<i>For 20 Gauge, Add</i>	1.93	
			<i>For 18 Gauge, Add</i>	2.57	
			<i>For 16 Gauge, Add</i>	3.15	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	6.53	
23 31 13 16-0035	EA		6" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	30.47	10.15
			<i>For 28 Gauge, Deduct</i>	-0.70	
			<i>For 24 Gauge, Add</i>	0.70	
			<i>For 22 Gauge, Add</i>	1.40	
			<i>For 20 Gauge, Add</i>	2.11	
			<i>For 18 Gauge, Add</i>	2.80	
			<i>For 16 Gauge, Add</i>	3.44	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	7.61	
23 31 13 16-0036	EA		7" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	36.36	12.18
			<i>For 28 Gauge, Deduct</i>	-0.82	
			<i>For 24 Gauge, Add</i>	0.81	
			<i>For 22 Gauge, Add</i>	1.63	
			<i>For 20 Gauge, Add</i>	2.44	
			<i>For 18 Gauge, Add</i>	3.25	
			<i>For 16 Gauge, Add</i>	3.98	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.37	
			<i>For Work In Restricted Working Space, Add</i>	9.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037 EA 8" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	44.78	15.23
<i>For 28 Gauge, Deduct</i>	-0.93	
<i>For 24 Gauge, Add</i>	0.93	
<i>For 22 Gauge, Add</i>	1.85	
<i>For 20 Gauge, Add</i>	2.78	
<i>For 18 Gauge, Add</i>	3.69	
<i>For 16 Gauge, Add</i>	4.53	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	11.42	
23 31 13 16-0038 EA 10" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	61.00	20.31
<i>For 28 Gauge, Deduct</i>	-1.42	
<i>For 24 Gauge, Add</i>	1.41	
<i>For 22 Gauge, Add</i>	2.82	
<i>For 20 Gauge, Add</i>	4.24	
<i>For 18 Gauge, Add</i>	5.63	
<i>For 16 Gauge, Add</i>	6.91	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.58	
<i>For Work In Restricted Working Space, Add</i>	15.23	
23 31 13 16-0039 EA 12" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	89.33	30.46
<i>For 28 Gauge, Deduct</i>	-1.83	
<i>For 24 Gauge, Add</i>	1.82	
<i>For 22 Gauge, Add</i>	3.63	
<i>For 20 Gauge, Add</i>	5.46	
<i>For 18 Gauge, Add</i>	7.25	
<i>For 16 Gauge, Add</i>	8.90	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.75	
<i>For Work In Restricted Working Space, Add</i>	22.85	
23 31 13 16-0040 EA 14" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	120.12	38.91
<i>For 28 Gauge, Deduct</i>	-3.16	
<i>For 24 Gauge, Add</i>	3.15	
<i>For 22 Gauge, Add</i>	6.29	
<i>For 20 Gauge, Add</i>	9.45	
<i>For 18 Gauge, Add</i>	12.55	
<i>For 16 Gauge, Add</i>	15.40	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.89	
<i>For Work In Restricted Working Space, Add</i>	29.19	
23 31 13 16-0041 EA 16" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	160.09	49.07
<i>For 28 Gauge, Deduct</i>	-5.18	
<i>For 24 Gauge, Add</i>	5.16	
<i>For 22 Gauge, Add</i>	10.31	
<i>For 20 Gauge, Add</i>	15.49	
<i>For 18 Gauge, Add</i>	20.58	
<i>For 16 Gauge, Add</i>	25.26	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.69	
<i>For Work In Restricted Working Space, Add</i>	36.80	
23 31 13 16-0042 Round Tee <small>(23 31 13 16-0001)</small>		
23 31 13 16-0043 EA 4" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	36.64	11.42
<i>For 28 Gauge, Deduct</i>	-1.12	
<i>For 24 Gauge, Add</i>	1.12	
<i>For 22 Gauge, Add</i>	2.23	
<i>For 20 Gauge, Add</i>	3.35	
<i>For 18 Gauge, Add</i>	4.45	
<i>For 16 Gauge, Add</i>	5.46	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.99	
<i>For Work In Restricted Working Space, Add</i>	8.57	
23 31 13 16-0044 EA 5" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	43.38	13.03
<i>For 28 Gauge, Deduct</i>	-1.49	
<i>For 24 Gauge, Add</i>	1.48	
<i>For 22 Gauge, Add</i>	2.96	
<i>For 20 Gauge, Add</i>	4.45	
<i>For 18 Gauge, Add</i>	5.91	
<i>For 16 Gauge, Add</i>	7.26	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.96	
<i>For Work In Restricted Working Space, Add</i>	9.79	
23 31 13 16-0045 EA 6" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	49.73	15.23
<i>For 28 Gauge, Deduct</i>	-1.61	
<i>For 24 Gauge, Add</i>	1.61	
<i>For 22 Gauge, Add</i>	3.21	
<i>For 20 Gauge, Add</i>	4.83	
<i>For 18 Gauge, Add</i>	6.41	
<i>For 16 Gauge, Add</i>	7.87	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.63	
<i>For Work In Restricted Working Space, Add</i>	11.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0046 EA 7" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	59.11	18.27
For 28 Gauge, Deduct	-1.86	
For 24 Gauge, Add	1.85	
For 22 Gauge, Add	3.70	
For 20 Gauge, Add	5.56	
For 18 Gauge, Add	7.39	
For 16 Gauge, Add	9.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.94	
For Work In Restricted Working Space, Add	13.70	
23 31 13 16-0047 EA 8" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	78.82	22.84
For 28 Gauge, Deduct	-3.01	
For 24 Gauge, Add	2.99	
For 22 Gauge, Add	5.98	
For 20 Gauge, Add	8.98	
For 18 Gauge, Add	11.94	
For 16 Gauge, Add	14.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.06	
For Work In Restricted Working Space, Add	17.14	
23 31 13 16-0048 EA 10" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	103.84	30.46
For 28 Gauge, Deduct	-3.84	
For 24 Gauge, Add	3.82	
For 22 Gauge, Add	7.63	
For 20 Gauge, Add	11.46	
For 18 Gauge, Add	15.23	
For 16 Gauge, Add	18.69	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.49	
For Work In Restricted Working Space, Add	22.85	
23 31 13 16-0049 EA 12" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	141.88	45.69
For 28 Gauge, Deduct	-3.84	
For 24 Gauge, Add	3.82	
For 22 Gauge, Add	7.63	
For 20 Gauge, Add	11.46	
For 18 Gauge, Add	15.23	
For 16 Gauge, Add	18.69	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.49	
For Work In Restricted Working Space, Add	34.26	
23 31 13 16-0050 EA 14" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	198.61	58.20
For 28 Gauge, Deduct	-7.30	
For 24 Gauge, Add	7.28	
For 22 Gauge, Add	14.53	
For 20 Gauge, Add	21.83	
For 18 Gauge, Add	29.01	
For 16 Gauge, Add	35.60	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.03	
For Work In Restricted Working Space, Add	43.76	
23 31 13 16-0051 EA 16" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure.....	257.95	73.77
For 28 Gauge, Deduct	-10.25	
For 24 Gauge, Add	10.22	
For 22 Gauge, Add	20.40	
For 20 Gauge, Add	30.65	
For 18 Gauge, Add	40.72	
For 16 Gauge, Add	49.97	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.78	
For Work In Restricted Working Space, Add	55.18	
23 31 13 16-0052 Round Connector (23 31 13 16-0001)		
23 31 13 16-0053 EA 4" Round Connector.....	16.25	
For Work In Restricted Working Space, Add	4.06	
23 31 13 16-0054 EA 5" Round Connector.....	17.15	
For Work In Restricted Working Space, Add	4.27	
23 31 13 16-0055 EA 6" Round Connector.....	18.37	
For Work In Restricted Working Space, Add	4.57	
23 31 13 16-0056 EA 7" Round Connector.....	19.67	
For Work In Restricted Working Space, Add	4.82	
23 31 13 16-0057 EA 8" Round Connector.....	21.41	
For Work In Restricted Working Space, Add	5.21	
23 31 13 16-0058 EA 10" Round Connector.....	25.76	
For Work In Restricted Working Space, Add	5.81	
23 31 13 16-0059 EA 12" Round Connector.....	34.78	
For Work In Restricted Working Space, Add	8.12	
23 31 13 16-0060 EA 14" Round Connector.....	39.78	
For Work In Restricted Working Space, Add	9.24	
23 31 13 16-0061 EA 16" Round Connector.....	43.80	
For Work In Restricted Working Space, Add	10.13	
23 31 13 16-0062 Galvanized Slip Joint Spiral Duct And Fittings (23 31 13 16)		
Note: Based on 26 gauge.		
23 31 13 16-0063 Round Spiral Duct (23 31 13 16-0062)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0064 LF 4" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	5.90	0.78
<i>For 24 Gauge, Add</i>	0.34	
<i>For 22 Gauge, Add</i>	0.79	
<i>For 20 Gauge, Add</i>	1.29	
<i>For 18 Gauge, Add</i>	1.98	
<i>For 16 Gauge, Add</i>	2.41	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.27	
<i>For Work In Restricted Working Space, Add</i>	1.25	
23 31 13 16-0065 LF 6" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	7.50	1.56
<i>For 24 Gauge, Add</i>	0.50	
<i>For 22 Gauge, Add</i>	1.15	
<i>For 20 Gauge, Add</i>	1.87	
<i>For 18 Gauge, Add</i>	2.86	
<i>For 16 Gauge, Add</i>	3.49	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.84	
<i>For Work In Restricted Working Space, Add</i>	1.50	
23 31 13 16-0066 LF 8" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	9.50	1.56
<i>For 24 Gauge, Add</i>	0.66	
<i>For 22 Gauge, Add</i>	1.51	
<i>For 20 Gauge, Add</i>	2.47	
<i>For 18 Gauge, Add</i>	3.78	
<i>For 16 Gauge, Add</i>	4.61	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.43	
<i>For Work In Restricted Working Space, Add</i>	1.86	
23 31 13 16-0067 LF 10" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	11.52	1.56
<i>For 24 Gauge, Add</i>	0.81	
<i>For 22 Gauge, Add</i>	1.87	
<i>For 20 Gauge, Add</i>	3.05	
<i>For 18 Gauge, Add</i>	4.67	
<i>For 16 Gauge, Add</i>	5.68	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.00	
<i>For Work In Restricted Working Space, Add</i>	2.24	
23 31 13 16-0068 LF 12" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	14.34	2.34
<i>For 24 Gauge, Add</i>	1.00	
<i>For 22 Gauge, Add</i>	2.30	
<i>For 20 Gauge, Add</i>	3.74	
<i>For 18 Gauge, Add</i>	5.74	
<i>For 16 Gauge, Add</i>	6.99	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.69	
<i>For Work In Restricted Working Space, Add</i>	2.81	
23 31 13 16-0069 LF 14" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	17.47	2.34
<i>For 24 Gauge, Add</i>	1.16	
<i>For 22 Gauge, Add</i>	2.66	
<i>For 20 Gauge, Add</i>	4.34	
<i>For 18 Gauge, Add</i>	6.65	
<i>For 16 Gauge, Add</i>	8.09	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.28	
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 31 13 16-0070 LF 16" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	23.96	2.34
<i>For 24 Gauge, Add</i>	1.68	
<i>For 22 Gauge, Add</i>	3.86	
<i>For 20 Gauge, Add</i>	6.30	
<i>For 18 Gauge, Add</i>	9.66	
<i>For 16 Gauge, Add</i>	11.76	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.22	
<i>For Work In Restricted Working Space, Add</i>	4.67	
23 31 13 16-0071 LF 18" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	27.45	3.11
<i>For 24 Gauge, Add</i>	1.86	
<i>For 22 Gauge, Add</i>	4.28	
<i>For 20 Gauge, Add</i>	6.98	
<i>For 18 Gauge, Add</i>	10.71	
<i>For 16 Gauge, Add</i>	13.03	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	5.44	
23 31 13 16-0072 LF 20" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	30.98	3.11
<i>For 24 Gauge, Add</i>	2.08	
<i>For 22 Gauge, Add</i>	4.77	
<i>For 20 Gauge, Add</i>	7.79	
<i>For 18 Gauge, Add</i>	11.94	
<i>For 16 Gauge, Add</i>	14.53	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.68	
<i>For Work In Restricted Working Space, Add</i>	6.18	
23 31 13 16-0073 LF 22" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint	34.69	3.90
<i>For 24 Gauge, Add</i>	2.30	
<i>For 22 Gauge, Add</i>	5.28	
<i>For 20 Gauge, Add</i>	8.61	
<i>For 18 Gauge, Add</i>	13.20	
<i>For 16 Gauge, Add</i>	16.07	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.50	
<i>For Work In Restricted Working Space, Add</i>	6.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0074	LF	24" Round Spiral Duct, Galvanized, 26 Gauge, Slip Joint.....	38.44	4.67
			<i>For 24 Gauge, Add</i>	2.49	
			<i>For 22 Gauge, Add</i>	5.74	
			<i>For 20 Gauge, Add</i>	9.35	
			<i>For 18 Gauge, Add</i>	14.34	
			<i>For 16 Gauge, Add</i>	17.46	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.23	
			<i>For Work In Restricted Working Space, Add</i>	7.79	
23 31	13 16-0075		90 Degree Elbow, 2 Piece <small>(23 31 13 16-0062)</small>		
23 31	13 16-0076	EA	4" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	51.83	10.91
			<i>For 24 Gauge, Add</i>	1.94	
			<i>For 22 Gauge, Add</i>	4.47	
			<i>For 20 Gauge, Add</i>	7.29	
			<i>For 18 Gauge, Add</i>	11.18	
			<i>For 16 Gauge, Add</i>	13.61	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.19	
			<i>For Work In Restricted Working Space, Add</i>	12.63	
23 31	13 16-0077	EA	6" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	76.12	15.58
			<i>For 24 Gauge, Add</i>	2.76	
			<i>For 22 Gauge, Add</i>	6.34	
			<i>For 20 Gauge, Add</i>	10.34	
			<i>For 18 Gauge, Add</i>	15.86	
			<i>For 16 Gauge, Add</i>	19.31	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.20	
			<i>For Work In Restricted Working Space, Add</i>	18.70	
23 31	13 16-0078	EA	8" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	108.33	20.25
			<i>For 24 Gauge, Add</i>	5.26	
			<i>For 22 Gauge, Add</i>	12.10	
			<i>For 20 Gauge, Add</i>	19.73	
			<i>For 18 Gauge, Add</i>	30.26	
			<i>For 16 Gauge, Add</i>	36.83	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.47	
			<i>For Work In Restricted Working Space, Add</i>	24.61	
23 31	13 16-0079	EA	10" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	134.85	25.71
			<i>For 24 Gauge, Add</i>	6.19	
			<i>For 22 Gauge, Add</i>	14.25	
			<i>For 20 Gauge, Add</i>	23.23	
			<i>For 18 Gauge, Add</i>	35.62	
			<i>For 16 Gauge, Add</i>	43.36	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.92	
			<i>For Work In Restricted Working Space, Add</i>	31.16	
23 31	13 16-0080	EA	12" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	166.23	32.72
			<i>For 24 Gauge, Add</i>	7.27	
			<i>For 22 Gauge, Add</i>	16.73	
			<i>For 20 Gauge, Add</i>	27.28	
			<i>For 18 Gauge, Add</i>	41.83	
			<i>For 16 Gauge, Add</i>	50.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.91	
			<i>For Work In Restricted Working Space, Add</i>	38.96	
23 31	13 16-0081	EA	14" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	182.14	35.84
			<i>For 24 Gauge, Add</i>	8.10	
			<i>For 22 Gauge, Add</i>	18.62	
			<i>For 20 Gauge, Add</i>	30.36	
			<i>For 18 Gauge, Add</i>	46.55	
			<i>For 16 Gauge, Add</i>	56.67	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.96	
			<i>For Work In Restricted Working Space, Add</i>	42.50	
23 31	13 16-0082	EA	16" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	214.94	42.07
			<i>For 24 Gauge, Add</i>	9.48	
			<i>For 22 Gauge, Add</i>	21.79	
			<i>For 20 Gauge, Add</i>	35.54	
			<i>For 18 Gauge, Add</i>	54.49	
			<i>For 16 Gauge, Add</i>	66.33	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	35.06	
			<i>For Work In Restricted Working Space, Add</i>	50.27	
23 31	13 16-0083	EA	18" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	262.28	52.20
			<i>For 24 Gauge, Add</i>	10.90	
			<i>For 22 Gauge, Add</i>	25.08	
			<i>For 20 Gauge, Add</i>	40.89	
			<i>For 18 Gauge, Add</i>	62.70	
			<i>For 16 Gauge, Add</i>	76.33	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	40.34	
			<i>For Work In Restricted Working Space, Add</i>	62.33	
23 31	13 16-0084	EA	20" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	315.70	63.11
			<i>For 24 Gauge, Add</i>	12.87	
			<i>For 22 Gauge, Add</i>	29.61	
			<i>For 20 Gauge, Add</i>	48.27	
			<i>For 18 Gauge, Add</i>	74.01	
			<i>For 16 Gauge, Add</i>	90.10	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	47.63	
			<i>For Work In Restricted Working Space, Add</i>	75.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0085 EA 22" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	367.05	73.23
For 24 Gauge, Add	14.61	
For 22 Gauge, Add	33.60	
For 20 Gauge, Add	54.78	
For 18 Gauge, Add	84.00	
For 16 Gauge, Add	102.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.05	
For Work In Restricted Working Space, Add	88.20	
23 31 13 16-0086 EA 24" Round Spiral 90 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	421.68	83.37
For 24 Gauge, Add	18.03	
For 22 Gauge, Add	41.46	
For 20 Gauge, Add	67.61	
For 18 Gauge, Add	103.66	
For 16 Gauge, Add	126.20	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.70	
For Work In Restricted Working Space, Add	99.46	
23 31 13 16-0087 45 Degree Elbow, 2 Piece <small>(23 31 13 16-0062)</small>		
23 31 13 16-0088 EA 4" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	52.28	10.91
For 24 Gauge, Add	2.03	
For 22 Gauge, Add	4.68	
For 20 Gauge, Add	7.63	
For 18 Gauge, Add	11.70	
For 16 Gauge, Add	14.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.53	
For Work In Restricted Working Space, Add	12.63	
23 31 13 16-0089 EA 6" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	73.76	15.58
For 24 Gauge, Add	2.29	
For 22 Gauge, Add	5.26	
For 20 Gauge, Add	8.57	
For 18 Gauge, Add	13.14	
For 16 Gauge, Add	16.00	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.46	
For Work In Restricted Working Space, Add	18.70	
23 31 13 16-0090 EA 8" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	97.34	20.25
For 24 Gauge, Add	3.06	
For 22 Gauge, Add	7.05	
For 20 Gauge, Add	11.49	
For 18 Gauge, Add	17.62	
For 16 Gauge, Add	21.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.34	
For Work In Restricted Working Space, Add	24.61	
23 31 13 16-0091 EA 10" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	123.04	25.71
For 24 Gauge, Add	3.83	
For 22 Gauge, Add	8.81	
For 20 Gauge, Add	14.37	
For 18 Gauge, Add	22.03	
For 16 Gauge, Add	26.82	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.18	
For Work In Restricted Working Space, Add	31.16	
23 31 13 16-0092 EA 12" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	152.12	32.72
For 24 Gauge, Add	4.45	
For 22 Gauge, Add	10.24	
For 20 Gauge, Add	16.70	
For 18 Gauge, Add	25.60	
For 16 Gauge, Add	31.16	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.47	
For Work In Restricted Working Space, Add	38.96	
23 31 13 16-0093 EA 14" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	166.41	35.84
For 24 Gauge, Add	4.95	
For 22 Gauge, Add	11.39	
For 20 Gauge, Add	18.56	
For 18 Gauge, Add	28.46	
For 16 Gauge, Add	34.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.32	
For Work In Restricted Working Space, Add	42.50	
23 31 13 16-0094 EA 16" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	208.13	42.07
For 24 Gauge, Add	8.11	
For 22 Gauge, Add	18.66	
For 20 Gauge, Add	30.43	
For 18 Gauge, Add	46.66	
For 16 Gauge, Add	56.80	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.02	
For Work In Restricted Working Space, Add	50.27	
23 31 13 16-0095 EA 18" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	257.45	52.20
For 24 Gauge, Add	9.94	
For 22 Gauge, Add	22.86	
For 20 Gauge, Add	37.27	
For 18 Gauge, Add	57.14	
For 16 Gauge, Add	69.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.77	
For Work In Restricted Working Space, Add	62.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0096	EA		20" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	314.22	63.11
			<i>For 24 Gauge, Add</i>	12.58	
			<i>For 22 Gauge, Add</i>	28.92	
			<i>For 20 Gauge, Add</i>	47.16	
			<i>For 18 Gauge, Add</i>	72.31	
			<i>For 16 Gauge, Add</i>	88.03	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	46.53	
			<i>For Work In Restricted Working Space, Add</i>	75.40	
23 31 13 16-0097	EA		22" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	350.30	73.23
			<i>For 24 Gauge, Add</i>	11.26	
			<i>For 22 Gauge, Add</i>	25.89	
			<i>For 20 Gauge, Add</i>	42.22	
			<i>For 18 Gauge, Add</i>	64.73	
			<i>For 16 Gauge, Add</i>	78.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	41.65	
			<i>For Work In Restricted Working Space, Add</i>	88.20	
23 31 13 16-0098	EA		24" Round Spiral 45 Degree Elbow, 2-Piece, Galvanized, 26 Gauge, Slip Joint	415.71	83.37
			<i>For 24 Gauge, Add</i>	16.83	
			<i>For 22 Gauge, Add</i>	38.72	
			<i>For 20 Gauge, Add</i>	63.13	
			<i>For 18 Gauge, Add</i>	96.80	
			<i>For 16 Gauge, Add</i>	117.84	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	62.29	
			<i>For Work In Restricted Working Space, Add</i>	99.46	
23 31 13 16-0099			45 Degree Reducing Laterals <small>(23 31 13 16-0062)</small>		
23 31 13 16-0100	EA		6" x 6" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	103.88	20.25
			<i>For 24 Gauge, Add</i>	4.37	
			<i>For 22 Gauge, Add</i>	10.06	
			<i>For 20 Gauge, Add</i>	16.40	
			<i>For 18 Gauge, Add</i>	25.14	
			<i>For 16 Gauge, Add</i>	30.60	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.18	
			<i>For Work In Restricted Working Space, Add</i>	24.61	
23 31 13 16-0101	EA		8" x 8" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	152.78	32.72
			<i>For 24 Gauge, Add</i>	4.58	
			<i>For 22 Gauge, Add</i>	10.54	
			<i>For 20 Gauge, Add</i>	17.19	
			<i>For 18 Gauge, Add</i>	26.36	
			<i>For 16 Gauge, Add</i>	32.09	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.96	
			<i>For Work In Restricted Working Space, Add</i>	38.96	
23 31 13 16-0102	EA		10" x 10" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	192.73	42.07
			<i>For 24 Gauge, Add</i>	5.03	
			<i>For 22 Gauge, Add</i>	11.58	
			<i>For 20 Gauge, Add</i>	18.88	
			<i>For 18 Gauge, Add</i>	28.95	
			<i>For 16 Gauge, Add</i>	35.24	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	18.63	
			<i>For Work In Restricted Working Space, Add</i>	50.27	
23 31 13 16-0103	EA		12" x 12" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	234.05	52.20
			<i>For 24 Gauge, Add</i>	5.26	
			<i>For 22 Gauge, Add</i>	12.09	
			<i>For 20 Gauge, Add</i>	19.72	
			<i>For 18 Gauge, Add</i>	30.23	
			<i>For 16 Gauge, Add</i>	36.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.45	
			<i>For Work In Restricted Working Space, Add</i>	62.33	
23 31 13 16-0104	EA		14" x 14" x 4" Spiral Galvanized, Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	278.49	63.11
			<i>For 24 Gauge, Add</i>	5.43	
			<i>For 22 Gauge, Add</i>	12.49	
			<i>For 20 Gauge, Add</i>	20.36	
			<i>For 18 Gauge, Add</i>	31.22	
			<i>For 16 Gauge, Add</i>	38.01	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.09	
			<i>For Work In Restricted Working Space, Add</i>	75.40	
23 31 13 16-0105	EA		16" x 16" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	323.54	73.23
			<i>For 24 Gauge, Add</i>	5.91	
			<i>For 22 Gauge, Add</i>	13.58	
			<i>For 20 Gauge, Add</i>	22.15	
			<i>For 18 Gauge, Add</i>	33.96	
			<i>For 16 Gauge, Add</i>	41.34	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.85	
			<i>For Work In Restricted Working Space, Add</i>	88.20	
23 31 13 16-0106	EA		18" x 18" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	362.26	83.37
			<i>For 24 Gauge, Add</i>	6.14	
			<i>For 22 Gauge, Add</i>	14.13	
			<i>For 20 Gauge, Add</i>	23.04	
			<i>For 18 Gauge, Add</i>	35.33	
			<i>For 16 Gauge, Add</i>	43.01	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.73	
			<i>For Work In Restricted Working Space, Add</i>	99.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0107 EA 20" x 20" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	411.90	95.05
For 24 Gauge, Add	6.37	
For 22 Gauge, Add	14.65	
For 20 Gauge, Add	23.88	
For 18 Gauge, Add	36.62	
For 16 Gauge, Add	44.58	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.56	
For Work In Restricted Working Space, Add	114.02	
23 31 13 16-0108 EA 22" x 22" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	459.46	105.18
For 24 Gauge, Add	7.66	
For 22 Gauge, Add	17.62	
For 20 Gauge, Add	28.73	
For 18 Gauge, Add	44.06	
For 16 Gauge, Add	53.63	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.35	
For Work In Restricted Working Space, Add	126.35	
23 31 13 16-0109 EA 24" x 24" x 4" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	497.88	114.53
For 24 Gauge, Add	7.91	
For 22 Gauge, Add	18.20	
For 20 Gauge, Add	29.68	
For 18 Gauge, Add	45.51	
For 16 Gauge, Add	55.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.28	
For Work In Restricted Working Space, Add	137.49	
23 31 13 16-0110 EA 8" x 8" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	160.51	35.29
For 24 Gauge, Add	3.85	
For 22 Gauge, Add	8.86	
For 20 Gauge, Add	14.45	
For 18 Gauge, Add	22.15	
For 16 Gauge, Add	26.96	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.25	
For Work In Restricted Working Space, Add	42.38	
23 31 13 16-0111 EA 10" x 10" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	194.13	42.46
For 24 Gauge, Add	4.86	
For 22 Gauge, Add	11.18	
For 20 Gauge, Add	18.23	
For 18 Gauge, Add	27.96	
For 16 Gauge, Add	34.03	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.99	
For Work In Restricted Working Space, Add	50.95	
23 31 13 16-0112 EA 12" x 12" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	235.85	51.58
For 24 Gauge, Add	5.90	
For 22 Gauge, Add	13.58	
For 20 Gauge, Add	22.14	
For 18 Gauge, Add	33.95	
For 16 Gauge, Add	41.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.84	
For Work In Restricted Working Space, Add	61.90	
23 31 13 16-0113 EA 14" x 14" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	280.76	61.32
For 24 Gauge, Add	7.03	
For 22 Gauge, Add	16.16	
For 20 Gauge, Add	26.36	
For 18 Gauge, Add	40.41	
For 16 Gauge, Add	49.20	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.00	
For Work In Restricted Working Space, Add	73.69	
23 31 13 16-0114 EA 16" x 16" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	355.92	78.84
For 24 Gauge, Add	8.15	
For 22 Gauge, Add	18.74	
For 20 Gauge, Add	30.56	
For 18 Gauge, Add	46.85	
For 16 Gauge, Add	57.04	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.15	
For Work In Restricted Working Space, Add	94.55	
23 31 13 16-0115 EA 18" x 18" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	395.35	87.49
For 24 Gauge, Add	9.13	
For 22 Gauge, Add	21.00	
For 20 Gauge, Add	34.24	
For 18 Gauge, Add	52.50	
For 16 Gauge, Add	63.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.78	
For Work In Restricted Working Space, Add	104.91	
23 31 13 16-0116 EA 20" x 20" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	449.47	99.57
For 24 Gauge, Add	10.39	
For 22 Gauge, Add	23.90	
For 20 Gauge, Add	38.97	
For 18 Gauge, Add	59.75	
For 16 Gauge, Add	72.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.45	
For Work In Restricted Working Space, Add	119.25	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0117	EA	22" x 22" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	482.28	106.20
			<i>For 24 Gauge, Add</i>	11.58	
			<i>For 22 Gauge, Add</i>	26.64	
			<i>For 20 Gauge, Add</i>	43.44	
			<i>For 18 Gauge, Add</i>	66.61	
			<i>For 16 Gauge, Add</i>	81.09	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.86	
			<i>For Work In Restricted Working Space, Add</i>	127.31	
23 31	13 16-0118	EA	24" x 24" x 6" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	523.24	115.15
			<i>For 24 Gauge, Add</i>	12.55	
			<i>For 22 Gauge, Add</i>	28.87	
			<i>For 20 Gauge, Add</i>	47.07	
			<i>For 18 Gauge, Add</i>	72.17	
			<i>For 16 Gauge, Add</i>	87.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	46.44	
			<i>For Work In Restricted Working Space, Add</i>	138.14	
23 31	13 16-0119	EA	10" x 10" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	212.36	46.74
			<i>For 24 Gauge, Add</i>	5.12	
			<i>For 22 Gauge, Add</i>	11.78	
			<i>For 20 Gauge, Add</i>	19.21	
			<i>For 18 Gauge, Add</i>	29.45	
			<i>For 16 Gauge, Add</i>	35.85	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	18.95	
			<i>For Work In Restricted Working Space, Add</i>	56.03	
23 31	13 16-0120	EA	12" x 12" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	258.08	56.88
			<i>For 24 Gauge, Add</i>	6.21	
			<i>For 22 Gauge, Add</i>	14.29	
			<i>For 20 Gauge, Add</i>	23.30	
			<i>For 18 Gauge, Add</i>	35.72	
			<i>For 16 Gauge, Add</i>	43.48	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.98	
			<i>For Work In Restricted Working Space, Add</i>	68.11	
23 31	13 16-0121	EA	14" x 14" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	307.16	67.39
			<i>For 24 Gauge, Add</i>	7.40	
			<i>For 22 Gauge, Add</i>	17.02	
			<i>For 20 Gauge, Add</i>	27.76	
			<i>For 18 Gauge, Add</i>	42.56	
			<i>For 16 Gauge, Add</i>	51.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.39	
			<i>For Work In Restricted Working Space, Add</i>	81.05	
23 31	13 16-0122	EA	16" x 16" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	356.55	78.53
			<i>For 24 Gauge, Add</i>	8.58	
			<i>For 22 Gauge, Add</i>	19.73	
			<i>For 20 Gauge, Add</i>	32.17	
			<i>For 18 Gauge, Add</i>	49.32	
			<i>For 16 Gauge, Add</i>	60.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.74	
			<i>For Work In Restricted Working Space, Add</i>	94.10	
23 31	13 16-0123	EA	18" x 18" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	399.02	87.81
			<i>For 24 Gauge, Add</i>	9.61	
			<i>For 22 Gauge, Add</i>	22.11	
			<i>For 20 Gauge, Add</i>	36.05	
			<i>For 18 Gauge, Add</i>	55.27	
			<i>For 16 Gauge, Add</i>	67.28	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	35.56	
			<i>For Work In Restricted Working Space, Add</i>	105.29	
23 31	13 16-0124	EA	20" x 20" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	453.83	99.88
			<i>For 24 Gauge, Add</i>	10.94	
			<i>For 22 Gauge, Add</i>	25.16	
			<i>For 20 Gauge, Add</i>	41.02	
			<i>For 18 Gauge, Add</i>	62.89	
			<i>For 16 Gauge, Add</i>	76.57	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	40.47	
			<i>For Work In Restricted Working Space, Add</i>	119.74	
23 31	13 16-0125	EA	22" x 22" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	506.69	111.42
			<i>For 24 Gauge, Add</i>	12.19	
			<i>For 22 Gauge, Add</i>	28.05	
			<i>For 20 Gauge, Add</i>	45.73	
			<i>For 18 Gauge, Add</i>	70.12	
			<i>For 16 Gauge, Add</i>	85.36	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	45.12	
			<i>For Work In Restricted Working Space, Add</i>	133.72	
23 31	13 16-0126	EA	24" x 24" x 8" Spiral 45 Degree Reducing Laterals, Galvanized, 26 Gauge, Slip Joint.....	549.39	120.92
			<i>For 24 Gauge, Add</i>	13.21	
			<i>For 22 Gauge, Add</i>	30.39	
			<i>For 20 Gauge, Add</i>	49.55	
			<i>For 18 Gauge, Add</i>	75.97	
			<i>For 16 Gauge, Add</i>	92.48	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	48.88	
			<i>For Work In Restricted Working Space, Add</i>	145.00	

23 31 13 16-0127 Reducers (23 31 13 16-0062)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0128 EA 6" x 4" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	70.19	15.58
<i>For 24 Gauge, Add</i>	1.57	
<i>For 22 Gauge, Add</i>	3.62	
<i>For 20 Gauge, Add</i>	5.90	
<i>For 18 Gauge, Add</i>	9.04	
<i>For 16 Gauge, Add</i>	11.00	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.82	
<i>For Work In Restricted Working Space, Add</i>	18.70	
23 31 13 16-0129 EA 8" x 6" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	90.67	20.25
<i>For 24 Gauge, Add</i>	1.73	
<i>For 22 Gauge, Add</i>	3.98	
<i>For 20 Gauge, Add</i>	6.49	
<i>For 18 Gauge, Add</i>	9.95	
<i>For 16 Gauge, Add</i>	12.11	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.40	
<i>For Work In Restricted Working Space, Add</i>	24.61	
23 31 13 16-0130 EA 10" x 8" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	113.46	25.71
<i>For 24 Gauge, Add</i>	1.92	
<i>For 22 Gauge, Add</i>	4.41	
<i>For 20 Gauge, Add</i>	7.19	
<i>For 18 Gauge, Add</i>	11.02	
<i>For 16 Gauge, Add</i>	13.41	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.09	
<i>For Work In Restricted Working Space, Add</i>	31.16	
23 31 13 16-0131 EA 12" x 10" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	140.36	32.72
<i>For 24 Gauge, Add</i>	2.10	
<i>For 22 Gauge, Add</i>	4.83	
<i>For 20 Gauge, Add</i>	7.88	
<i>For 18 Gauge, Add</i>	12.08	
<i>For 16 Gauge, Add</i>	14.70	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	38.96	
23 31 13 16-0132 EA 14" x 12" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	153.35	35.84
<i>For 24 Gauge, Add</i>	2.34	
<i>For 22 Gauge, Add</i>	5.38	
<i>For 20 Gauge, Add</i>	8.77	
<i>For 18 Gauge, Add</i>	13.44	
<i>For 16 Gauge, Add</i>	16.37	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.65	
<i>For Work In Restricted Working Space, Add</i>	42.50	
23 31 13 16-0133 EA 16" x 14" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	187.77	42.07
<i>For 24 Gauge, Add</i>	4.04	
<i>For 22 Gauge, Add</i>	9.30	
<i>For 20 Gauge, Add</i>	15.16	
<i>For 18 Gauge, Add</i>	23.24	
<i>For 16 Gauge, Add</i>	28.29	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.96	
<i>For Work In Restricted Working Space, Add</i>	50.27	
23 31 13 16-0134 EA 18" x 16" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	229.36	52.20
<i>For 24 Gauge, Add</i>	4.32	
<i>For 22 Gauge, Add</i>	9.94	
<i>For 20 Gauge, Add</i>	16.20	
<i>For 18 Gauge, Add</i>	24.84	
<i>For 16 Gauge, Add</i>	30.24	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.98	
<i>For Work In Restricted Working Space, Add</i>	62.33	
23 31 13 16-0135 EA 20" x 18" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	274.39	63.11
<i>For 24 Gauge, Add</i>	4.61	
<i>For 22 Gauge, Add</i>	10.60	
<i>For 20 Gauge, Add</i>	17.29	
<i>For 18 Gauge, Add</i>	26.51	
<i>For 16 Gauge, Add</i>	32.27	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.06	
<i>For Work In Restricted Working Space, Add</i>	75.40	
23 31 13 16-0136 EA 22" x 20" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	318.52	73.23
<i>For 24 Gauge, Add</i>	4.90	
<i>For 22 Gauge, Add</i>	11.27	
<i>For 20 Gauge, Add</i>	18.38	
<i>For 18 Gauge, Add</i>	28.19	
<i>For 16 Gauge, Add</i>	34.31	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	18.14	
<i>For Work In Restricted Working Space, Add</i>	88.20	
23 31 13 16-0137 EA 24" x 22" Spiral Reducers, Galvanized, 26 Gauge, Slip Joint.....	357.37	83.37
<i>For 24 Gauge, Add</i>	5.17	
<i>For 22 Gauge, Add</i>	11.88	
<i>For 20 Gauge, Add</i>	19.37	
<i>For 18 Gauge, Add</i>	29.70	
<i>For 16 Gauge, Add</i>	36.16	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.11	
<i>For Work In Restricted Working Space, Add</i>	99.46	

23 31 13 16-0138 Couplings (23 31 13 16-0062)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0139	EA		4" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint.....	45.83	10.91
			For 24 Gauge, Add	0.74	
			For 22 Gauge, Add	1.71	
			For 20 Gauge, Add	2.79	
			For 18 Gauge, Add	4.28	
			For 16 Gauge, Add	5.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.75	
			For Work In Restricted Working Space, Add	12.63	
23 31 13 16-0140	EA		6" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint.....	66.56	15.58
			For 24 Gauge, Add	0.85	
			For 22 Gauge, Add	1.95	
			For 20 Gauge, Add	3.17	
			For 18 Gauge, Add	4.86	
			For 16 Gauge, Add	5.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.13	
			For Work In Restricted Working Space, Add	18.70	
23 31 13 16-0141	EA		8" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint.....	86.58	20.25
			For 24 Gauge, Add	0.91	
			For 22 Gauge, Add	2.10	
			For 20 Gauge, Add	3.42	
			For 18 Gauge, Add	5.24	
			For 16 Gauge, Add	6.38	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.37	
			For Work In Restricted Working Space, Add	24.61	
23 31 13 16-0142	EA		10" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	108.77	25.71
			For 24 Gauge, Add	0.98	
			For 22 Gauge, Add	2.25	
			For 20 Gauge, Add	3.67	
			For 18 Gauge, Add	5.62	
			For 16 Gauge, Add	6.85	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.62	
			For Work In Restricted Working Space, Add	31.16	
23 31 13 16-0143	EA		12" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	135.08	32.72
			For 24 Gauge, Add	1.04	
			For 22 Gauge, Add	2.40	
			For 20 Gauge, Add	3.92	
			For 18 Gauge, Add	6.00	
			For 16 Gauge, Add	7.31	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.86	
			For Work In Restricted Working Space, Add	38.96	
23 31 13 16-0144	EA		14" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	147.21	35.84
			For 24 Gauge, Add	1.11	
			For 22 Gauge, Add	2.55	
			For 20 Gauge, Add	4.16	
			For 18 Gauge, Add	6.38	
			For 16 Gauge, Add	7.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.11	
			For Work In Restricted Working Space, Add	42.50	
23 31 13 16-0145	EA		16" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	173.70	42.07
			For 24 Gauge, Add	1.23	
			For 22 Gauge, Add	2.82	
			For 20 Gauge, Add	4.61	
			For 18 Gauge, Add	7.06	
			For 16 Gauge, Add	8.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.54	
			For Work In Restricted Working Space, Add	50.27	
23 31 13 16-0146	EA		18" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	214.23	52.20
			For 24 Gauge, Add	1.29	
			For 22 Gauge, Add	2.98	
			For 20 Gauge, Add	4.85	
			For 18 Gauge, Add	7.44	
			For 16 Gauge, Add	9.06	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.79	
			For Work In Restricted Working Space, Add	62.33	
23 31 13 16-0147	EA		20" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	258.21	63.11
			For 24 Gauge, Add	1.37	
			For 22 Gauge, Add	3.16	
			For 20 Gauge, Add	5.15	
			For 18 Gauge, Add	7.90	
			For 16 Gauge, Add	9.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.08	
			For Work In Restricted Working Space, Add	75.40	
23 31 13 16-0148	EA		22" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	301.14	147.25
			For 24 Gauge, Add	1.43	
			For 22 Gauge, Add	3.28	
			For 20 Gauge, Add	5.35	
			For 18 Gauge, Add	8.20	
			For 16 Gauge, Add	9.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.28	
			For Work In Restricted Working Space, Add	88.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0149 EA 24" Spiral Couplings, Galvanized, 26 Gauge, Slip Joint	339.07	165.96
For 24 Gauge, Add	1.51	
For 22 Gauge, Add	3.46	
For 20 Gauge, Add	5.65	
For 18 Gauge, Add	8.66	
For 16 Gauge, Add	10.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.57	
For Work In Restricted Working Space, Add	99.46	
23 31 13 16-0150 Caps <small>(23 31 13 16-0062)</small>		
23 31 13 16-0151 EA 4" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	25.42	10.91
For 24 Gauge, Add	0.87	
For 22 Gauge, Add	2.01	
For 20 Gauge, Add	3.27	
For 18 Gauge, Add	5.01	
For 16 Gauge, Add	6.10	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.23	
For Work In Restricted Working Space, Add	6.32	
23 31 13 16-0152 EA 6" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	36.05	15.58
For 24 Gauge, Add	0.98	
For 22 Gauge, Add	2.25	
For 20 Gauge, Add	3.67	
For 18 Gauge, Add	5.62	
For 16 Gauge, Add	6.85	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.62	
For Work In Restricted Working Space, Add	9.35	
23 31 13 16-0153 EA 8" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	46.35	21.04
For 24 Gauge, Add	1.07	
For 22 Gauge, Add	2.46	
For 20 Gauge, Add	4.01	
For 18 Gauge, Add	6.15	
For 16 Gauge, Add	7.49	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.96	
For Work In Restricted Working Space, Add	12.30	
23 31 13 16-0154 EA 10" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	57.88	26.49
For 24 Gauge, Add	1.19	
For 22 Gauge, Add	2.73	
For 20 Gauge, Add	4.46	
For 18 Gauge, Add	6.83	
For 16 Gauge, Add	8.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.40	
For Work In Restricted Working Space, Add	15.58	
23 31 13 16-0155 EA 12" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	71.53	32.72
For 24 Gauge, Add	1.32	
For 22 Gauge, Add	3.04	
For 20 Gauge, Add	4.96	
For 18 Gauge, Add	7.60	
For 16 Gauge, Add	9.25	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.89	
For Work In Restricted Working Space, Add	19.48	
23 31 13 16-0156 EA 14" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	78.10	35.84
For 24 Gauge, Add	1.45	
For 22 Gauge, Add	3.34	
For 20 Gauge, Add	5.45	
For 18 Gauge, Add	8.36	
For 16 Gauge, Add	10.18	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.38	
For Work In Restricted Working Space, Add	21.25	
23 31 13 16-0157 EA 16" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	90.41	41.29
For 24 Gauge, Add	1.68	
For 22 Gauge, Add	3.86	
For 20 Gauge, Add	6.29	
For 18 Gauge, Add	9.65	
For 16 Gauge, Add	11.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21	
For Work In Restricted Working Space, Add	24.61	
23 31 13 16-0158 EA 18" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	132.15	52.20
For 24 Gauge, Add	5.65	
For 22 Gauge, Add	13.00	
For 20 Gauge, Add	21.20	
For 18 Gauge, Add	32.51	
For 16 Gauge, Add	39.58	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.92	
For Work In Restricted Working Space, Add	31.16	
23 31 13 16-0159 EA 20" Spiral Caps, Galvanized, 26 Gauge, Slip Joint	160.51	64.67
For 24 Gauge, Add	6.13	
For 22 Gauge, Add	14.10	
For 20 Gauge, Add	22.99	
For 18 Gauge, Add	35.25	
For 16 Gauge, Add	42.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.68	
For Work In Restricted Working Space, Add	38.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0160 EA 22" Spiral Caps, Galvanized, 26 Gauge, Slip Joint.....	174.69	70.90
For 24 Gauge, Add	6.61	
For 22 Gauge, Add	15.19	
For 20 Gauge, Add	24.77	
For 18 Gauge, Add	37.98	
For 16 Gauge, Add	46.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.44	
For Work In Restricted Working Space, Add	42.50	
23 31 13 16-0161 EA 24" Spiral Caps, Galvanized, 26 Gauge, Slip Joint.....	201.24	82.59
For 24 Gauge, Add	7.09	
For 22 Gauge, Add	16.32	
For 20 Gauge, Add	26.60	
For 18 Gauge, Add	40.79	
For 16 Gauge, Add	49.66	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.25	
For Work In Restricted Working Space, Add	49.73	
23 31 13 19 Metal Duct Fittings (23 31 13)		
23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)		
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor.....	30.14	23.92
For Work In Restricted Working Space, Add	8.75	
23 31 13 23 Galvanized Steel Welded Duct (23 31 13)		
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003 LB Galvanized Steel Welded Duct.....	18.61	7.25
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.01	
For Work In Restricted Working Space, Add	4.36	
23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)		
23 31 13 23-0005 LB Black Steel Ductwork.....	15.86	7.48
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.67	
For Work In Restricted Working Space, Add	4.49	
23 31 13 33 Duct Boots (23 31 13)		
23 31 13 33-0001 Duct Register Boots (23 31 13 33)		
23 31 13 33-0002 EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	30.73	10.57
For Stainless Steel, Add	12.45	
23 31 13 33-0003 EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	30.73	10.57
For Stainless Steel, Add	12.45	
23 31 13 33-0004 EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	32.64	11.42
For Stainless Steel, Add	12.74	
23 31 13 33-0005 EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	32.64	11.42
For Stainless Steel, Add	12.74	
23 31 13 33-0006 EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	35.00	11.42
For Stainless Steel, Add	15.81	
23 31 13 33-0007 EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	35.51	12.26
For Stainless Steel, Add	14.26	
23 31 13 33-0008 EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	35.51	12.26
For Stainless Steel, Add	14.26	
23 31 13 33-0009 EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	36.98	12.26
For Stainless Steel, Add	16.17	
23 31 13 33-0010 EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	34.86	13.11
For Stainless Steel, Add	11.22	
23 31 13 33-0011 EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	36.80	13.95
For Stainless Steel, Add	11.54	
23 31 13 33-0012 EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	42.83	13.95
For Stainless Steel, Add	19.38	
23 31 13 33-0013 EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	39.02	14.81
For Stainless Steel, Add	12.23	
23 31 13 33-0014 EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	44.92	14.81
For Stainless Steel, Add	19.90	
23 31 13 33-0015 EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	31.21	11.42
For Stainless Steel, Add	10.88	
23 31 13 33-0016 EA 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	31.21	11.42
For Stainless Steel, Add	10.88	
23 31 13 33-0017 EA 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	33.87	12.26
For Stainless Steel, Add	12.13	
23 31 13 33-0018 EA 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	35.27	12.26
For Stainless Steel, Add	13.95	
23 31 13 33-0019 EA 10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	35.05	13.11
For Stainless Steel, Add	11.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 33-0020 EA 12" x 4" x 6" Register Boot, Center, Galvanized Steel..... <i>For Stainless Steel, Add</i>	36.97 11.77	13.95
23 31 13 33-0021 EA 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel..... <i>For Stainless Steel, Add</i>	32.17 12.13	11.42
23 31 13 33-0022 EA 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel..... <i>For Stainless Steel, Add</i>	34.44 12.87	12.26
23 31 13 33-0023 EA 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	30.73 12.45	10.57
23 31 13 33-0024 EA 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	32.64 12.74	11.42
23 31 13 33-0025 EA 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	35.51 14.26	12.26
23 31 13 33-0026 EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	35.51 14.26	12.26
23 31 13 33-0027 EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	34.86 11.22	13.11
23 31 13 33-0028 EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	36.80 11.54	13.95
23 31 13 33-0029 EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	42.83 19.38	13.95
23 31 13 33-0030 EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	44.52 19.38	14.81

23 31 16 Nonmetal Ducts (23 31)

23 31 16 13 Fibrous-Glass Ducts (23 31 16)

23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)
 Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002 SF 1" Glass Fiber Duct Board (EI-475)	7.09	1.49
23 31 16 13-0003 SF 1-1/2" Glass Fiber Duct Board (EI-800)	8.24	1.64
23 31 16 13-0004 SF 2" Glass Fiber Duct Board (EI-800)	9.46	1.80

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)

23 31 16 16-0001 Round Fiber Reinforced Plastic Duct <small>(23 31 16 16)</small>		
23 31 16 16-0002 Round Fiber Reinforced Plastic Duct <small>(23 31 16 16-0001)</small>		
23 31 16 16-0003 LF 2" Fiber Reinforced Plastic Duct	11.05	3.97
23 31 16 16-0004 LF 3" Fiber Reinforced Plastic Duct	13.73	4.64
23 31 16 16-0005 LF 4" Fiber Reinforced Plastic Duct	18.79	6.81
23 31 16 16-0006 LF 6" Fiber Reinforced Plastic Duct	24.76	8.60
23 31 16 16-0007 LF 8" Fiber Reinforced Plastic Duct	31.32	10.78
23 31 16 16-0008 LF 10" Fiber Reinforced Plastic Duct	37.76	12.94
23 31 16 16-0009 LF 12" Fiber Reinforced Plastic Duct	42.69	15.12
23 31 16 16-0010 LF 14" Fiber Reinforced Plastic Duct	48.46	16.54
23 31 16 16-0011 LF 16" Fiber Reinforced Plastic Duct	52.28	17.59
23 31 16 16-0012 LF 18" Fiber Reinforced Plastic Duct	64.25	19.75
23 31 16 16-0013 LF 20" Fiber Reinforced Plastic Duct	67.73	21.18
23 31 16 16-0014 LF 24" Fiber Reinforced Plastic Duct	82.26	22.60
23 31 16 16-0015 LF 30" Fiber Reinforced Plastic Duct	94.33	26.19
23 31 16 16-0016 LF 36" Fiber Reinforced Plastic Duct	109.38	31.58
23 31 16 16-0017 LF 42" Fiber Reinforced Plastic Duct	143.72	35.17
23 31 16 16-0018 LF 48" Fiber Reinforced Plastic Duct	161.04	39.52
23 31 16 16-0019 LF 54" Fiber Reinforced Plastic Duct	179.38	45.28
23 31 16 16-0020 LF 60" Fiber Reinforced Plastic Duct	204.11	52.83
23 31 16 16-0021 LF 66" Fiber Reinforced Plastic Duct	221.85	64.66
23 31 16 16-0022 LF 72" Fiber Reinforced Plastic Duct	270.76	79.03

23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)

23 31 16 16-0024 EA 2" Fiber Reinforced Plastic Bell	46.58	16.09
23 31 16 16-0025 EA 3" Fiber Reinforced Plastic Bell	56.17	19.09
23 31 16 16-0026 EA 4" Fiber Reinforced Plastic Bell	64.70	22.45
23 31 16 16-0027 EA 6" Fiber Reinforced Plastic Bell	85.07	29.94
23 31 16 16-0028 EA 8" Fiber Reinforced Plastic Bell	103.64	37.42
23 31 16 16-0029 EA 10" Fiber Reinforced Plastic Bell	120.41	44.90
23 31 16 16-0030 EA 12" Fiber Reinforced Plastic Bell	149.31	55.75
23 31 16 16-0031 EA 14" Fiber Reinforced Plastic Bell	159.64	59.87
23 31 16 16-0032 EA 16" Fiber Reinforced Plastic Bell	172.96	63.98
23 31 16 16-0033 EA 18" Fiber Reinforced Plastic Bell	186.29	68.85
23 31 16 16-0034 EA 20" Fiber Reinforced Plastic Bell	203.67	74.84
23 31 16 16-0035 EA 24" Fiber Reinforced Plastic Bell	236.63	82.31
23 31 16 16-0036 EA 30" Fiber Reinforced Plastic Bell	275.00	89.80
23 31 16 16-0037 EA 36" Fiber Reinforced Plastic Bell	311.86	101.03
23 31 16 16-0038 EA 42" Fiber Reinforced Plastic Bell	348.72	112.25
23 31 16 16-0039 EA 48" Fiber Reinforced Plastic Bell	385.55	123.48
23 31 16 16-0040 EA 54" Fiber Reinforced Plastic Bell	479.34	149.67
23 31 16 16-0041 EA 60" Fiber Reinforced Plastic Bell	572.18	187.09
23 31 16 16-0042 EA 66" Fiber Reinforced Plastic Bell	686.58	224.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell.....	786.14	254.44
23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)				
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange.....	75.38	16.09
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange.....	86.77	19.09
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange.....	98.90	22.45
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange.....	128.27	29.94
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange.....	155.84	37.42
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange.....	183.41	44.90
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange.....	215.91	55.75
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange.....	240.64	59.87
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange.....	262.96	63.98
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange.....	279.89	68.85
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange.....	293.67	74.84
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange.....	344.63	82.31
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange.....	379.40	89.80
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange.....	468.46	101.03
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange.....	521.52	112.25
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange.....	592.55	123.48
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange.....	695.34	149.67
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange.....	829.58	187.09
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange.....	963.78	224.51
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange.....	1,102.94	254.44
23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)				
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow.....	124.06	38.76
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow.....	145.63	46.32
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow.....	169.00	53.88
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow.....	218.73	71.84
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow.....	268.47	89.80
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow.....	318.22	107.77
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow.....	390.73	134.03
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow.....	443.50	141.88
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow.....	505.25	154.08
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow.....	603.02	165.23
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow.....	695.39	179.61
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow.....	806.33	197.57
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow.....	1,088.23	215.53
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow.....	1,394.17	242.47
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow.....	1,835.08	269.49
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow.....	2,177.03	296.42
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow.....	2,578.68	359.21
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow.....	3,124.35	449.01
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow.....	3,669.74	538.67
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow.....	4,185.35	610.44
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)				
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow.....	104.26	38.76
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow.....	122.23	46.32
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow.....	141.98	53.88
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow.....	179.13	71.84
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow.....	216.27	89.80
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow.....	257.07	107.77
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow.....	316.99	134.03
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow.....	344.44	141.88
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow.....	411.51	154.01
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow.....	473.62	165.38
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow.....	547.74	179.61
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow.....	631.38	197.42
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow.....	799.96	215.38
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow.....	978.72	242.69
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow.....	1,246.81	269.64
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow.....	1,466.03	296.42
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow.....	1,747.08	359.21
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow.....	2,094.75	449.01
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow.....	2,462.02	537.62
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow.....	2,782.45	611.03
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)				
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee.....	159.39	57.85
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee.....	188.14	69.67
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee.....	215.70	80.82
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee.....	278.62	107.77
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee.....	340.33	134.03
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee.....	405.59	162.39
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee.....	490.06	196.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	535.01	212.98
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	619.59	231.39
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	701.09	247.86
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	809.08	269.49
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	926.03	296.42
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,105.70	323.21
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,326.45	363.85
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	1,753.71	404.26
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,091.24	444.75
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	2,518.61	539.19
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	3,012.99	673.83
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	3,506.94	808.16
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	3,957.26	916.37
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	132.38	57.85
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	155.72	69.67
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	177.92	80.82
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	226.47	107.77
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	273.79	134.03
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	328.23	162.39
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	393.03	196.97
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	426.67	212.84
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	468.56	231.47
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	507.06	248.08
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	553.81	269.64
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	612.83	296.42
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	676.99	323.06
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	764.46	363.63
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	854.20	404.49
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	938.95	444.60
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,121.02	537.62
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	1,368.01	675.01
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	1,653.90	808.75
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	1,851.26	916.37
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer	111.48	38.84
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer	131.27	46.40
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer	154.64	53.88
23 31 16 16-0153 EA 6" Fiber Reinforced Plastic One Piece Reducer	198.93	71.84
23 31 16 16-0154 EA 8" Fiber Reinforced Plastic One Piece Reducer	239.67	89.80
23 31 16 16-0155 EA 10" Fiber Reinforced Plastic One Piece Reducer	288.33	108.21
23 31 16 16-0156 EA 12" Fiber Reinforced Plastic One Piece Reducer	342.19	134.03
23 31 16 16-0157 EA 14" Fiber Reinforced Plastic One Piece Reducer	366.04	141.88
23 31 16 16-0158 EA 16" Fiber Reinforced Plastic One Piece Reducer	404.31	154.01
23 31 16 16-0159 EA 18" Fiber Reinforced Plastic One Piece Reducer	444.82	165.38
23 31 16 16-0160 EA 20" Fiber Reinforced Plastic One Piece Reducer	497.34	179.61
23 31 16 16-0161 EA 24" Fiber Reinforced Plastic One Piece Reducer	567.27	197.79
23 31 16 16-0162 EA 30" Fiber Reinforced Plastic One Piece Reducer	636.99	215.90
23 31 16 16-0163 EA 36" Fiber Reinforced Plastic One Piece Reducer	721.32	242.69
23 31 16 16-0164 EA 42" Fiber Reinforced Plastic One Piece Reducer	805.81	269.64
23 31 16 16-0165 EA 48" Fiber Reinforced Plastic One Piece Reducer	908.03	296.42
23 31 16 16-0166 EA 54" Fiber Reinforced Plastic One Piece Reducer	1,075.68	359.21
23 31 16 16-0167 EA 60" Fiber Reinforced Plastic One Piece Reducer	1,282.95	449.01
23 31 16 16-0168 EA 66" Fiber Reinforced Plastic One Piece Reducer	1,436.02	537.62
23 31 16 16-0169 EA 72" Fiber Reinforced Plastic One Piece Reducer	1,612.45	611.03
23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0171 EA 2" Fiber Reinforced Plastic Two Piece Reducer	133.08	38.84
23 31 16 16-0172 EA 3" Fiber Reinforced Plastic Two Piece Reducer	145.67	46.40
23 31 16 16-0173 EA 4" Fiber Reinforced Plastic Two Piece Reducer	169.04	53.88
23 31 16 16-0174 EA 6" Fiber Reinforced Plastic Two Piece Reducer	218.73	71.84
23 31 16 16-0175 EA 8" Fiber Reinforced Plastic Two Piece Reducer	268.47	89.80
23 31 16 16-0176 EA 10" Fiber Reinforced Plastic Two Piece Reducer	318.93	108.21
23 31 16 16-0177 EA 12" Fiber Reinforced Plastic Two Piece Reducer	381.79	134.03
23 31 16 16-0178 EA 14" Fiber Reinforced Plastic Two Piece Reducer	416.44	141.88
23 31 16 16-0179 EA 16" Fiber Reinforced Plastic Two Piece Reducer	454.71	154.01
23 31 16 16-0180 EA 18" Fiber Reinforced Plastic Two Piece Reducer	513.22	165.38
23 31 16 16-0181 EA 20" Fiber Reinforced Plastic Two Piece Reducer	648.54	179.61
23 31 16 16-0182 EA 24" Fiber Reinforced Plastic Two Piece Reducer	788.67	197.79
23 31 16 16-0183 EA 30" Fiber Reinforced Plastic Two Piece Reducer	845.79	215.90
23 31 16 16-0184 EA 36" Fiber Reinforced Plastic Two Piece Reducer	962.52	242.69
23 31 16 16-0185 EA 42" Fiber Reinforced Plastic Two Piece Reducer	1,043.41	269.64
23 31 16 16-0186 EA 48" Fiber Reinforced Plastic Two Piece Reducer	1,142.03	296.42
23 31 16 16-0187 EA 54" Fiber Reinforced Plastic Two Piece Reducer	1,264.68	359.21
23 31 16 16-0188 EA 60" Fiber Reinforced Plastic Two Piece Reducer	1,461.15	449.01
23 31 16 16-0189 EA 66" Fiber Reinforced Plastic Two Piece Reducer	1,634.02	537.62

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0190 EA 72" Fiber Reinforced Plastic Two Piece Reducer	1,792.45	611.03
23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)		
23 31 16 16-0192 EA 2" Fiber Reinforced Plastic Damper	235.65	38.76
23 31 16 16-0193 EA 3" Fiber Reinforced Plastic Damper	266.23	46.32
23 31 16 16-0194 EA 4" Fiber Reinforced Plastic Damper	296.80	53.88
23 31 16 16-0195 EA 6" Fiber Reinforced Plastic Damper	353.73	71.84
23 31 16 16-0196 EA 8" Fiber Reinforced Plastic Damper	419.67	89.80
23 31 16 16-0197 EA 10" Fiber Reinforced Plastic Damper	476.62	107.77
23 31 16 16-0198 EA 12" Fiber Reinforced Plastic Damper	547.33	134.03
23 31 16 16-0199 EA 14" Fiber Reinforced Plastic Damper	605.50	141.88
23 31 16 16-0200 EA 16" Fiber Reinforced Plastic Damper	670.85	154.08
23 31 16 16-0201 EA 18" Fiber Reinforced Plastic Damper	734.42	165.23
23 31 16 16-0202 EA 20" Fiber Reinforced Plastic Damper	785.39	179.61
23 31 16 16-0203 EA 24" Fiber Reinforced Plastic Damper	887.33	197.57
23 31 16 16-0204 EA 30" Fiber Reinforced Plastic Damper	1,025.23	215.53
23 31 16 16-0205 EA 36" Fiber Reinforced Plastic Damper	1,178.17	242.47
23 31 16 16-0206 EA 42" Fiber Reinforced Plastic Damper	1,349.08	269.49
23 31 16 16-0207 EA 48" Fiber Reinforced Plastic Damper	1,502.03	296.42
23 31 16 16-0208 EA 54" Fiber Reinforced Plastic Damper	1,768.68	359.21
23 31 16 16-0209 EA 60" Fiber Reinforced Plastic Damper	2,080.35	449.01
23 31 16 16-0210 EA 66" Fiber Reinforced Plastic Damper	2,373.74	538.67
23 31 16 16-0211 EA 72" Fiber Reinforced Plastic Damper	2,727.35	610.44
23 33 Air Duct Accessories (23 30)		
23 33 13 Dampers (23 33)		
23 33 13 13 Volume-Control Dampers (23 33 13)		
23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)		
23 33 13 13-0002 EA 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	40.17	6.77
For Stainless Steel, Add	18.08	
For Parallel Blade Damper, Add	5.56	
23 33 13 13-0003 EA 7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	44.58	7.61
For Stainless Steel, Add	18.36	
For Parallel Blade Damper, Add	5.65	
23 33 13 13-0004 EA 8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	49.68	8.46
For Stainless Steel, Add	18.54	
For Parallel Blade Damper, Add	5.70	
23 33 13 13-0005 EA 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	54.20	10.15
For Stainless Steel, Add	19.71	
For Parallel Blade Damper, Add	6.06	
23 33 13 13-0006 EA 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	59.56	10.99
For Stainless Steel, Add	20.87	
For Parallel Blade Damper, Add	6.42	
23 33 13 13-0007 EA 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	68.10	11.84
For Stainless Steel, Add	26.66	
For Parallel Blade Damper, Add	8.20	
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	74.81	12.69
For Stainless Steel, Add	28.98	
For Parallel Blade Damper, Add	8.92	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	79.58	14.38
For Stainless Steel, Add	30.13	
For Parallel Blade Damper, Add	9.27	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	86.76	15.23
For Stainless Steel, Add	33.61	
For Parallel Blade Damper, Add	10.34	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	98.31	16.92
For Stainless Steel, Add	41.73	
For Parallel Blade Damper, Add	12.84	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	105.77	16.92
For Stainless Steel, Add	47.52	
For Parallel Blade Damper, Add	14.62	
23 33 13 13-0013 EA 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	118.94	19.46
For Stainless Steel, Add	55.63	
For Parallel Blade Damper, Add	17.12	
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	126.78	20.31
For Stainless Steel, Add	60.62	
For Parallel Blade Damper, Add	18.65	
23 33 13 13-0015 Rectangular Opposed Blade Damper (23 33 13 13)		
23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	55.87	9.39
For Stainless Steel, Add	36.00	
For Parallel Blade Damper, Add	11.08	
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	59.11	9.81
For Stainless Steel, Add	38.56	
For Parallel Blade Damper, Add	11.86	
23 33 13 13-0018 EA 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	61.26	9.90
For Stainless Steel, Add	41.13	
For Parallel Blade Damper, Add	12.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0019 EA 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	61.26	9.90
<i>For Stainless Steel, Add</i>	41.13	
<i>For Parallel Blade Damper, Add</i>	12.66	
23 33 13 13-0020 EA 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	64.09	10.16
<i>For Stainless Steel, Add</i>	43.71	
<i>For Parallel Blade Damper, Add</i>	13.45	
23 33 13 13-0021 EA 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	71.41	11.25
<i>For Stainless Steel, Add</i>	48.83	
<i>For Parallel Blade Damper, Add</i>	15.02	
23 33 13 13-0022 EA 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	64.09	10.16
<i>For Stainless Steel, Add</i>	43.71	
<i>For Parallel Blade Damper, Add</i>	13.45	
23 33 13 13-0023 EA 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.72	10.75
<i>For Stainless Steel, Add</i>	48.83	
<i>For Parallel Blade Damper, Add</i>	15.02	
23 33 13 13-0024 EA 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.41	11.25
<i>For Stainless Steel, Add</i>	51.43	
<i>For Parallel Blade Damper, Add</i>	15.82	
23 33 13 13-0025 EA 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	79.62	12.69
<i>For Stainless Steel, Add</i>	54.00	
<i>For Parallel Blade Damper, Add</i>	16.62	
23 33 13 13-0026 EA 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	68.75	10.75
<i>For Stainless Steel, Add</i>	47.57	
<i>For Parallel Blade Damper, Add</i>	14.64	
23 33 13 13-0027 EA 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.41	11.25
<i>For Stainless Steel, Add</i>	51.43	
<i>For Parallel Blade Damper, Add</i>	15.82	
23 33 13 13-0028 EA 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	77.08	11.85
<i>For Stainless Steel, Add</i>	54.00	
<i>For Parallel Blade Damper, Add</i>	16.62	
23 33 13 13-0029 EA 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	81.60	12.69
<i>For Stainless Steel, Add</i>	56.58	
<i>For Parallel Blade Damper, Add</i>	17.41	
23 33 13 13-0030 EA 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	90.77	14.13
<i>For Stainless Steel, Add</i>	63.00	
<i>For Parallel Blade Damper, Add</i>	19.38	
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.41	11.25
<i>For Stainless Steel, Add</i>	51.43	
<i>For Parallel Blade Damper, Add</i>	15.82	
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	77.93	12.10
<i>For Stainless Steel, Add</i>	54.00	
<i>For Parallel Blade Damper, Add</i>	16.62	
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	83.29	13.29
<i>For Stainless Steel, Add</i>	56.58	
<i>For Parallel Blade Damper, Add</i>	17.41	
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	87.79	14.13
<i>For Stainless Steel, Add</i>	59.12	
<i>For Parallel Blade Damper, Add</i>	18.19	
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.99	15.49
<i>For Stainless Steel, Add</i>	65.59	
<i>For Parallel Blade Damper, Add</i>	20.18	
23 33 13 13-0036 EA 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	106.15	16.92
<i>For Stainless Steel, Add</i>	71.99	
<i>For Parallel Blade Damper, Add</i>	22.15	
23 33 13 13-0037 EA 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	77.08	11.85
<i>For Stainless Steel, Add</i>	54.00	
<i>For Parallel Blade Damper, Add</i>	16.62	
23 33 13 13-0038 EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	82.58	12.69
<i>For Stainless Steel, Add</i>	57.85	
<i>For Parallel Blade Damper, Add</i>	17.80	
23 33 13 13-0039 EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	89.79	14.13
<i>For Stainless Steel, Add</i>	61.72	
<i>For Parallel Blade Damper, Add</i>	18.99	
23 33 13 13-0040 EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	98.97	15.49
<i>For Stainless Steel, Add</i>	68.16	
<i>For Parallel Blade Damper, Add</i>	20.97	
23 33 13 13-0041 EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	107.15	16.92
<i>For Stainless Steel, Add</i>	73.29	
<i>For Parallel Blade Damper, Add</i>	22.55	
23 33 13 13-0042 EA 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.32	18.28
<i>For Stainless Steel, Add</i>	79.70	
<i>For Parallel Blade Damper, Add</i>	24.52	
23 33 13 13-0043 EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.51	19.72
<i>For Stainless Steel, Add</i>	83.56	
<i>For Parallel Blade Damper, Add</i>	25.71	
23 33 13 13-0044 EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	81.60	12.69
<i>For Stainless Steel, Add</i>	56.58	
<i>For Parallel Blade Damper, Add</i>	17.41	
23 33 13 13-0045 EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	89.77	14.13
<i>For Stainless Steel, Add</i>	61.70	
<i>For Parallel Blade Damper, Add</i>	18.98	
23 33 13 13-0046 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	97.96	15.49
<i>For Stainless Steel, Add</i>	66.85	
<i>For Parallel Blade Damper, Add</i>	20.57	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	110.11	16.92
			<i>For Stainless Steel, Add</i>	77.14	
			<i>For Parallel Blade Damper, Add</i>	23.74	
23 33 13	13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	117.33	18.28
			<i>For Stainless Steel, Add</i>	81.02	
			<i>For Parallel Blade Damper, Add</i>	24.93	
23 33 13	13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	124.51	19.72
			<i>For Stainless Steel, Add</i>	84.86	
			<i>For Parallel Blade Damper, Add</i>	26.11	
23 33 13	13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	132.70	21.16
			<i>For Stainless Steel, Add</i>	90.00	
			<i>For Parallel Blade Damper, Add</i>	27.69	
23 33 13	13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	140.88	22.51
			<i>For Stainless Steel, Add</i>	95.13	
			<i>For Parallel Blade Damper, Add</i>	29.27	
23 33 13	13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.75	14.13
			<i>For Stainless Steel, Add</i>	64.27	
			<i>For Parallel Blade Damper, Add</i>	19.78	
23 33 13	13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.92	15.49
			<i>For Stainless Steel, Add</i>	71.99	
			<i>For Parallel Blade Damper, Add</i>	22.15	
23 33 13	13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	110.11	16.92
			<i>For Stainless Steel, Add</i>	77.14	
			<i>For Parallel Blade Damper, Add</i>	23.74	
23 33 13	13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.29	18.28
			<i>For Stainless Steel, Add</i>	84.86	
			<i>For Parallel Blade Damper, Add</i>	26.11	
23 33 13	13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.47	19.72
			<i>For Stainless Steel, Add</i>	88.71	
			<i>For Parallel Blade Damper, Add</i>	27.30	
23 33 13	13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.68	21.16
			<i>For Stainless Steel, Add</i>	92.57	
			<i>For Parallel Blade Damper, Add</i>	28.48	
23 33 13	13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.84	22.51
			<i>For Stainless Steel, Add</i>	100.28	
			<i>For Parallel Blade Damper, Add</i>	30.86	
23 33 13	13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.22	25.38
			<i>For Stainless Steel, Add</i>	107.98	
			<i>For Parallel Blade Damper, Add</i>	33.22	
23 33 13	13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.62	28.18
			<i>For Stainless Steel, Add</i>	118.30	
			<i>For Parallel Blade Damper, Add</i>	36.40	
23 33 13	13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.92	15.49
			<i>For Stainless Steel, Add</i>	71.99	
			<i>For Parallel Blade Damper, Add</i>	22.15	
23 33 13	13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	110.11	16.92
			<i>For Stainless Steel, Add</i>	77.14	
			<i>For Parallel Blade Damper, Add</i>	23.74	
23 33 13	13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.29	18.28
			<i>For Stainless Steel, Add</i>	84.86	
			<i>For Parallel Blade Damper, Add</i>	26.11	
23 33 13	13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.46	19.72
			<i>For Stainless Steel, Add</i>	90.00	
			<i>For Parallel Blade Damper, Add</i>	27.69	
23 33 13	13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	137.64	21.16
			<i>For Stainless Steel, Add</i>	96.42	
			<i>For Parallel Blade Damper, Add</i>	29.67	
23 33 13	13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.80	22.51
			<i>For Stainless Steel, Add</i>	102.83	
			<i>For Parallel Blade Damper, Add</i>	31.64	
23 33 13	13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.20	25.38
			<i>For Stainless Steel, Add</i>	110.55	
			<i>For Parallel Blade Damper, Add</i>	34.02	
23 33 13	13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.62	28.18
			<i>For Stainless Steel, Add</i>	118.30	
			<i>For Parallel Blade Damper, Add</i>	36.40	
23 33 13	13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.71	29.62
			<i>For Stainless Steel, Add</i>	133.71	
			<i>For Parallel Blade Damper, Add</i>	41.14	
23 33 13	13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.05	32.41
			<i>For Stainless Steel, Add</i>	146.56	
			<i>For Parallel Blade Damper, Add</i>	45.10	
23 33 13	13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.05	16.92
			<i>For Stainless Steel, Add</i>	84.86	
			<i>For Parallel Blade Damper, Add</i>	26.11	
23 33 13	13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	122.26	18.28
			<i>For Stainless Steel, Add</i>	87.43	
			<i>For Parallel Blade Damper, Add</i>	26.90	
23 33 13	13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.46	19.72
			<i>For Stainless Steel, Add</i>	90.00	
			<i>For Parallel Blade Damper, Add</i>	27.69	
23 33 13	13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.65	21.16
			<i>For Stainless Steel, Add</i>	95.13	
			<i>For Parallel Blade Damper, Add</i>	29.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.19	22.51
For Stainless Steel, Add	103.34	
For Parallel Blade Damper, Add	31.80	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.20	25.38
For Stainless Steel, Add	110.55	
For Parallel Blade Damper, Add	34.02	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.60	28.18
For Stainless Steel, Add	120.87	
For Parallel Blade Damper, Add	37.19	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.96	30.97
For Stainless Steel, Add	131.14	
For Parallel Blade Damper, Add	40.35	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.05	32.41
For Stainless Steel, Add	146.56	
For Parallel Blade Damper, Add	45.10	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.68	34.69
For Stainless Steel, Add	164.58	
For Parallel Blade Damper, Add	50.64	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.43	36.64
For Stainless Steel, Add	185.15	
For Parallel Blade Damper, Add	56.97	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	126.22	18.28
For Stainless Steel, Add	92.57	
For Parallel Blade Damper, Add	28.48	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.39	19.72
For Stainless Steel, Add	97.71	
For Parallel Blade Damper, Add	30.06	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.57	21.16
For Stainless Steel, Add	102.83	
For Parallel Blade Damper, Add	31.64	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.74	22.51
For Stainless Steel, Add	110.55	
For Parallel Blade Damper, Add	34.02	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.19	25.38
For Stainless Steel, Add	114.44	
For Parallel Blade Damper, Add	35.21	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	171.39	26.74
For Stainless Steel, Add	118.30	
For Parallel Blade Damper, Add	36.40	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.96	30.97
For Stainless Steel, Add	131.14	
For Parallel Blade Damper, Add	40.35	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.31	33.85
For Stainless Steel, Add	143.99	
For Parallel Blade Damper, Add	44.30	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.57	34.95
For Stainless Steel, Add	159.43	
For Parallel Blade Damper, Add	49.06	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	251.00	37.48
For Stainless Steel, Add	179.99	
For Parallel Blade Damper, Add	55.38	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.77	39.44
For Stainless Steel, Add	197.99	
For Parallel Blade Damper, Add	60.92	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	290.83	40.87
For Stainless Steel, Add	218.56	
For Parallel Blade Damper, Add	67.25	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	132.41	21.16
For Stainless Steel, Add	95.13	
For Parallel Blade Damper, Add	29.27	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.55	22.51
For Stainless Steel, Add	105.40	
For Parallel Blade Damper, Add	32.43	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	150.76	23.95
For Stainless Steel, Add	107.98	
For Parallel Blade Damper, Add	33.22	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	156.97	25.38
For Stainless Steel, Add	110.55	
For Parallel Blade Damper, Add	34.02	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.36	26.74
For Stainless Steel, Add	119.56	
For Parallel Blade Damper, Add	36.79	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	183.52	28.18
For Stainless Steel, Add	128.57	
For Parallel Blade Damper, Add	39.56	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.12	32.41
For Stainless Steel, Add	138.85	
For Parallel Blade Damper, Add	42.72	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	220.51	35.20
For Stainless Steel, Add	149.15	
For Parallel Blade Damper, Add	45.89	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.15	37.48
For Stainless Steel, Add	164.58	
For Parallel Blade Damper, Add	50.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	266.82	39.44
For Stainless Steel, Add	192.86	
For Parallel Blade Damper, Add	59.34	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.44	41.72
For Stainless Steel, Add	208.26	
For Parallel Blade Damper, Add	64.08	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.59	42.82
For Stainless Steel, Add	236.56	
For Parallel Blade Damper, Add	72.79	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.15	45.10
For Stainless Steel, Add	262.28	
For Parallel Blade Damper, Add	80.70	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	140.61	21.16
For Stainless Steel, Add	100.28	
For Parallel Blade Damper, Add	30.86	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.74	22.51
For Stainless Steel, Add	110.55	
For Parallel Blade Damper, Add	34.02	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.93	23.95
For Stainless Steel, Add	118.30	
For Parallel Blade Damper, Add	36.40	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.14	25.38
For Stainless Steel, Add	120.87	
For Parallel Blade Damper, Add	37.19	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.27	26.74
For Stainless Steel, Add	131.14	
For Parallel Blade Damper, Add	40.35	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.41	28.18
For Stainless Steel, Add	141.43	
For Parallel Blade Damper, Add	43.52	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	220.24	33.85
For Stainless Steel, Add	154.30	
For Parallel Blade Damper, Add	47.48	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.57	36.64
For Stainless Steel, Add	167.13	
For Parallel Blade Damper, Add	51.42	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	266.82	39.44
For Stainless Steel, Add	192.86	
For Parallel Blade Damper, Add	59.34	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	293.09	42.31
For Stainless Steel, Add	216.01	
For Parallel Blade Damper, Add	66.46	
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.31	45.10
For Stainless Steel, Add	241.68	
For Parallel Blade Damper, Add	74.36	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.34	46.46
For Stainless Steel, Add	264.84	
For Parallel Blade Damper, Add	81.49	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.39	47.90
For Stainless Steel, Add	287.99	
For Parallel Blade Damper, Add	88.61	
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.42	49.34
For Stainless Steel, Add	311.13	
For Parallel Blade Damper, Add	95.73	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	150.76	22.51
For Stainless Steel, Add	107.98	
For Parallel Blade Damper, Add	33.22	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.93	23.95
For Stainless Steel, Add	118.30	
For Parallel Blade Damper, Add	36.40	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.14	25.38
For Stainless Steel, Add	120.87	
For Parallel Blade Damper, Add	37.19	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	183.52	28.18
For Stainless Steel, Add	128.57	
For Parallel Blade Damper, Add	39.56	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.89	30.97
For Stainless Steel, Add	138.85	
For Parallel Blade Damper, Add	42.72	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.28	33.85
For Stainless Steel, Add	149.15	
For Parallel Blade Damper, Add	45.89	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	236.61	36.64
For Stainless Steel, Add	164.58	
For Parallel Blade Damper, Add	50.64	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.92	39.44
For Stainless Steel, Add	179.99	
For Parallel Blade Damper, Add	55.38	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	283.19	42.31
For Stainless Steel, Add	203.14	
For Parallel Blade Damper, Add	62.50	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.41	45.10
For Stainless Steel, Add	231.41	
For Parallel Blade Damper, Add	71.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.45	46.46
For Stainless Steel, Add	254.58	
For Parallel Blade Damper, Add	78.33	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.41	47.90
For Stainless Steel, Add	285.42	
For Parallel Blade Damper, Add	87.82	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.67	50.69
For Stainless Steel, Add	308.56	
For Parallel Blade Damper, Add	94.94	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.63	52.13
For Stainless Steel, Add	339.40	
For Parallel Blade Damper, Add	104.43	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.16	56.36
For Stainless Steel, Add	359.98	
For Parallel Blade Damper, Add	110.76	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.95	23.95
For Stainless Steel, Add	115.73	
For Parallel Blade Damper, Add	35.61	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.08	25.38
For Stainless Steel, Add	126.00	
For Parallel Blade Damper, Add	38.77	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.45	28.18
For Stainless Steel, Add	136.28	
For Parallel Blade Damper, Add	41.93	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.89	30.97
For Stainless Steel, Add	138.85	
For Parallel Blade Damper, Add	42.72	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.27	33.85
For Stainless Steel, Add	150.44	
For Parallel Blade Damper, Add	46.29	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	234.63	36.64
For Stainless Steel, Add	162.01	
For Parallel Blade Damper, Add	49.85	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.95	39.44
For Stainless Steel, Add	177.42	
For Parallel Blade Damper, Add	54.59	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.28	42.31
For Stainless Steel, Add	192.86	
For Parallel Blade Damper, Add	59.34	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.56	45.10
For Stainless Steel, Add	216.01	
For Parallel Blade Damper, Add	66.46	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.73	47.90
For Stainless Steel, Add	246.83	
For Parallel Blade Damper, Add	75.95	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.74	49.34
For Stainless Steel, Add	272.55	
For Parallel Blade Damper, Add	83.86	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.69	50.69
For Stainless Steel, Add	305.98	
For Parallel Blade Damper, Add	94.15	
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	419.87	53.57
For Stainless Steel, Add	336.82	
For Parallel Blade Damper, Add	103.64	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.16	56.36
For Stainless Steel, Add	359.98	
For Parallel Blade Damper, Add	110.76	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	482.58	60.59
For Stainless Steel, Add	390.83	
For Parallel Blade Damper, Add	120.26	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	510.83	63.38
For Stainless Steel, Add	416.56	
For Parallel Blade Damper, Add	128.17	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.14	25.38
For Stainless Steel, Add	120.87	
For Parallel Blade Damper, Add	37.19	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.47	28.18
For Stainless Steel, Add	133.71	
For Parallel Blade Damper, Add	41.14	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.87	30.97
For Stainless Steel, Add	141.43	
For Parallel Blade Damper, Add	43.52	
23 33 13 13-0155 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.31	33.85
For Stainless Steel, Add	143.99	
For Parallel Blade Damper, Add	44.30	
23 33 13 13-0156 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.66	36.64
For Stainless Steel, Add	158.15	
For Parallel Blade Damper, Add	48.66	
23 33 13 13-0157 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.99	39.44
For Stainless Steel, Add	172.28	
For Parallel Blade Damper, Add	53.01	
23 33 13 13-0158 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.33	42.31
For Stainless Steel, Add	186.42	
For Parallel Blade Damper, Add	57.36	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0159 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.68	45.10
For Stainless Steel, Add	200.56	
For Parallel Blade Damper, Add	61.71	
23 33 13 13-0160 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.87	47.90
For Stainless Steel, Add	231.41	
For Parallel Blade Damper, Add	71.20	
23 33 13 13-0161 EA 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.84	49.34
For Stainless Steel, Add	262.28	
For Parallel Blade Damper, Add	80.70	
23 33 13 13-0162 EA 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	375.83	50.69
For Stainless Steel, Add	290.56	
For Parallel Blade Damper, Add	89.40	
23 33 13 13-0163 EA 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	411.98	53.57
For Stainless Steel, Add	326.56	
For Parallel Blade Damper, Add	100.48	
23 33 13 13-0164 EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	444.18	56.36
For Stainless Steel, Add	357.41	
For Parallel Blade Damper, Add	109.97	
23 33 13 13-0165 EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	478.35	59.15
For Stainless Steel, Add	390.83	
For Parallel Blade Damper, Add	120.26	
23 33 13 13-0166 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	506.60	62.03
For Stainless Steel, Add	416.56	
For Parallel Blade Damper, Add	128.17	
23 33 13 13-0167 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	540.77	64.82
For Stainless Steel, Add	449.98	
For Parallel Blade Damper, Add	138.46	
23 33 13 13-0168 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	574.96	67.62
For Stainless Steel, Add	483.42	
For Parallel Blade Damper, Add	148.74	
23 33 13 13-0169 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	183.52	28.18
For Stainless Steel, Add	128.57	
For Parallel Blade Damper, Add	39.56	
23 33 13 13-0170 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.87	30.97
For Stainless Steel, Add	141.43	
For Parallel Blade Damper, Add	43.52	
23 33 13 13-0171 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.29	33.85
For Stainless Steel, Add	146.56	
For Parallel Blade Damper, Add	45.10	
23 33 13 13-0172 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.74	36.64
For Stainless Steel, Add	149.15	
For Parallel Blade Damper, Add	45.89	
23 33 13 13-0173 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	245.07	39.44
For Stainless Steel, Add	164.58	
For Parallel Blade Damper, Add	50.64	
23 33 13 13-0174 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.38	42.31
For Stainless Steel, Add	179.99	
For Parallel Blade Damper, Add	55.38	
23 33 13 13-0175 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	286.70	45.10
For Stainless Steel, Add	196.69	
For Parallel Blade Damper, Add	60.52	
23 33 13 13-0176 EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	308.02	47.90
For Stainless Steel, Add	213.41	
For Parallel Blade Damper, Add	65.66	
23 33 13 13-0177 EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.96	49.34
For Stainless Steel, Add	246.83	
For Parallel Blade Damper, Add	75.95	
23 33 13 13-0178 EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.93	50.69
For Stainless Steel, Add	277.69	
For Parallel Blade Damper, Add	85.44	
23 33 13 13-0179 EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.11	53.57
For Stainless Steel, Add	311.13	
For Parallel Blade Damper, Add	95.73	
23 33 13 13-0180 EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.29	56.36
For Stainless Steel, Add	344.55	
For Parallel Blade Damper, Add	106.02	
23 33 13 13-0181 EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	462.53	59.15
For Stainless Steel, Add	370.27	
For Parallel Blade Damper, Add	113.93	
23 33 13 13-0182 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	502.63	62.03
For Stainless Steel, Add	411.40	
For Parallel Blade Damper, Add	126.58	
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	538.78	64.82
For Stainless Steel, Add	447.40	
For Parallel Blade Damper, Add	137.66	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	574.96	67.62
For Stainless Steel, Add	483.42	
For Parallel Blade Damper, Add	148.74	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	607.11	70.49
For Stainless Steel, Add	514.23	
For Parallel Blade Damper, Add	158.22	
23 33 13 13-0186 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	639.34	73.28
For Stainless Steel, Add	545.12	
For Parallel Blade Damper, Add	167.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16 Fire Dampers <small>(23 33 13)</small>		
23 33 13 16-0001 Fire Dampers <small>(23 33 13 16)</small>		
23 33 13 16-0002 SF Fire Damper, Vertical Curtain Type	48.88	9.14
For Smoke Damper, Add	18.17	
For Horizontal, Add	3.21	
For Dynamic Damper, Add	4.81	
For 3 Hour Rated, Add	4.28	
23 33 13 16-0003 SF Fire Damper, Vertical Louver Type	60.55	9.14
For Smoke Damper, Add	28.09	
For Horizontal, Add	4.96	
For Dynamic Damper, Add	7.44	
For 3 Hour Rated, Add	6.61	
23 33 13 16-0004 Folding Curtain Fire Dampers <small>(23 33 13 16)</small>		
Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	44.58	9.39
For Horizontal, Add	2.46	
For Dynamic Damper, Add	3.69	
For 3 Hour Rated, Add	3.28	
For Damper Blades Outside Air Stream, Add	4.92	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	47.01	9.81
For Horizontal, Add	2.63	
For Dynamic Damper, Add	3.95	
For 3 Hour Rated, Add	3.51	
For Damper Blades Outside Air Stream, Add	5.27	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	48.36	9.90
For Horizontal, Add	2.81	
For Dynamic Damper, Add	4.22	
For 3 Hour Rated, Add	3.75	
For Damper Blades Outside Air Stream, Add	5.62	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	48.36	9.90
For Horizontal, Add	2.81	
For Dynamic Damper, Add	4.22	
For 3 Hour Rated, Add	3.75	
For Damper Blades Outside Air Stream, Add	5.62	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	50.38	10.16
For Horizontal, Add	2.99	
For Dynamic Damper, Add	4.48	
For 3 Hour Rated, Add	3.98	
For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	56.10	11.25
For Horizontal, Add	3.34	
For Dynamic Damper, Add	5.01	
For 3 Hour Rated, Add	4.45	
For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	50.38	10.16
For Horizontal, Add	2.99	
For Dynamic Damper, Add	4.48	
For 3 Hour Rated, Add	3.98	
For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	54.41	10.75
For Horizontal, Add	3.34	
For Dynamic Damper, Add	5.01	
For 3 Hour Rated, Add	4.45	
For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	57.27	11.25
For Horizontal, Add	3.51	
For Dynamic Damper, Add	5.27	
For 3 Hour Rated, Add	4.68	
For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.68	12.69
For Horizontal, Add	3.69	
For Dynamic Damper, Add	5.54	
For 3 Hour Rated, Add	4.92	
For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	53.83	10.75
For Horizontal, Add	3.25	
For Dynamic Damper, Add	4.88	
For 3 Hour Rated, Add	4.33	
For Damper Blades Outside Air Stream, Add	6.50	
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	57.27	11.25
For Horizontal, Add	3.51	
For Dynamic Damper, Add	5.27	
For 3 Hour Rated, Add	4.68	
For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	60.14	11.85
For Horizontal, Add	3.69	
For Dynamic Damper, Add	5.54	
For 3 Hour Rated, Add	4.92	
For Damper Blades Outside Air Stream, Add	7.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0018	EA		14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.85	12.69
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019	EA		14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.01	14.13
			<i>For Horizontal, Add</i>	4.31	
			<i>For Dynamic Damper, Add</i>	6.46	
			<i>For 3 Hour Rated, Add</i>	5.74	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.27	11.25
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	60.99	12.10
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0022	EA		16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	65.54	13.29
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023	EA		16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.24	14.13
			<i>For Horizontal, Add</i>	4.04	
			<i>For Dynamic Damper, Add</i>	6.06	
			<i>For 3 Hour Rated, Add</i>	5.39	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024	EA		16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.41	15.49
			<i>For Horizontal, Add</i>	4.48	
			<i>For Dynamic Damper, Add</i>	6.72	
			<i>For 3 Hour Rated, Add</i>	5.97	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.57	16.92
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0026	EA		18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	60.14	11.85
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0027	EA		18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.43	12.69
			<i>For Horizontal, Add</i>	3.95	
			<i>For Dynamic Damper, Add</i>	5.93	
			<i>For 3 Hour Rated, Add</i>	5.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.91	
23 33 13 16-0028	EA		18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.43	14.13
			<i>For Horizontal, Add</i>	4.22	
			<i>For Dynamic Damper, Add</i>	6.33	
			<i>For 3 Hour Rated, Add</i>	5.62	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.44	
23 33 13 16-0029	EA		18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.58	15.49
			<i>For Horizontal, Add</i>	4.66	
			<i>For Dynamic Damper, Add</i>	6.98	
			<i>For 3 Hour Rated, Add</i>	6.21	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.31	
23 33 13 16-0030	EA		18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.15	16.92
			<i>For Horizontal, Add</i>	5.01	
			<i>For Dynamic Damper, Add</i>	7.51	
			<i>For 3 Hour Rated, Add</i>	6.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.01	
23 33 13 16-0031	EA		18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.32	18.28
			<i>For Horizontal, Add</i>	5.45	
			<i>For Dynamic Damper, Add</i>	8.17	
			<i>For 3 Hour Rated, Add</i>	7.26	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.89	
23 33 13 16-0032	EA		18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.30	19.72
			<i>For Horizontal, Add</i>	5.71	
			<i>For Dynamic Damper, Add</i>	8.57	
			<i>For 3 Hour Rated, Add</i>	7.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.42	
23 33 13 16-0033	EA		20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.85	12.69
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0034	EA		20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.42	14.13
			<i>For Horizontal, Add</i>	4.22	
			<i>For Dynamic Damper, Add</i>	6.32	
			<i>For 3 Hour Rated, Add</i>	5.62	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.99	15.49
<i>For Horizontal, Add</i>	4.57	
<i>For Dynamic Damper, Add</i>	6.85	
<i>For 3 Hour Rated, Add</i>	6.09	
<i>For Damper Blades Outside Air Stream, Add</i>	9.14	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.92	16.92
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.91	18.28
<i>For Horizontal, Add</i>	5.54	
<i>For Dynamic Damper, Add</i>	8.30	
<i>For 3 Hour Rated, Add</i>	7.38	
<i>For Damper Blades Outside Air Stream, Add</i>	11.07	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.89	19.72
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.47	21.16
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.03	22.51
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.59	14.13
<i>For Horizontal, Add</i>	4.39	
<i>For Dynamic Damper, Add</i>	6.59	
<i>For 3 Hour Rated, Add</i>	5.86	
<i>For Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.34	15.49
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.92	16.92
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.67	18.28
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.64	19.72
<i>For Horizontal, Add</i>	6.06	
<i>For Dynamic Damper, Add</i>	9.09	
<i>For 3 Hour Rated, Add</i>	8.08	
<i>For Damper Blades Outside Air Stream, Add</i>	12.12	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.64	21.16
<i>For Horizontal, Add</i>	6.33	
<i>For Dynamic Damper, Add</i>	9.49	
<i>For 3 Hour Rated, Add</i>	8.43	
<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.38	22.51
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.28	
<i>For 3 Hour Rated, Add</i>	9.14	
<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.35	25.38
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049 EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.51	28.18
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050 EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.34	15.49
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.92	16.92
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.67	18.28
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.23	19.72
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.40	21.16
			<i>For Horizontal, Add</i>	6.59	
			<i>For Dynamic Damper, Add</i>	9.88	
			<i>For 3 Hour Rated, Add</i>	8.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.55	22.51
			<i>For Horizontal, Add</i>	7.03	
			<i>For Dynamic Damper, Add</i>	10.54	
			<i>For 3 Hour Rated, Add</i>	9.37	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.53	25.38
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.51	28.18
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058	EA		28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.77	29.62
			<i>For Horizontal, Add</i>	9.14	
			<i>For Dynamic Damper, Add</i>	13.70	
			<i>For 3 Hour Rated, Add</i>	12.18	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0059	EA		28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.08	32.41
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0060	EA		32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.43	16.92
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0061	EA		32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.83	18.28
			<i>For Horizontal, Add</i>	5.97	
			<i>For Dynamic Damper, Add</i>	8.96	
			<i>For 3 Hour Rated, Add</i>	7.96	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.95	
23 33 13 16-0062	EA		32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.23	19.72
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0063	EA		32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.80	21.16
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0064	EA		32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.77	22.51
			<i>For Horizontal, Add</i>	7.06	
			<i>For Dynamic Damper, Add</i>	10.59	
			<i>For 3 Hour Rated, Add</i>	9.41	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.12	
23 33 13 16-0065	EA		32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.53	25.38
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0066	EA		32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.68	28.18
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0067	EA		32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.82	30.97
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.08	32.41
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.05	34.69
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.35	36.64
<i>For Horizontal, Add</i>	12.65	
<i>For Dynamic Damper, Add</i>	18.98	
<i>For 3 Hour Rated, Add</i>	16.87	
<i>For Damper Blades Outside Air Stream, Add</i>	25.30	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.18	18.28
<i>For Horizontal, Add</i>	6.33	
<i>For Dynamic Damper, Add</i>	9.49	
<i>For 3 Hour Rated, Add</i>	8.43	
<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.74	19.72
<i>For Horizontal, Add</i>	6.68	
<i>For Dynamic Damper, Add</i>	10.01	
<i>For 3 Hour Rated, Add</i>	8.90	
<i>For Damper Blades Outside Air Stream, Add</i>	13.35	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.32	21.16
<i>For Horizontal, Add</i>	7.03	
<i>For Dynamic Damper, Add</i>	10.54	
<i>For 3 Hour Rated, Add</i>	9.37	
<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.07	22.51
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.29	25.38
<i>For Horizontal, Add</i>	7.82	
<i>For Dynamic Damper, Add</i>	11.73	
<i>For 3 Hour Rated, Add</i>	10.43	
<i>For Damper Blades Outside Air Stream, Add</i>	15.64	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.28	26.74
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.82	30.97
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.14	33.85
<i>For Horizontal, Add</i>	9.84	
<i>For Dynamic Damper, Add</i>	14.76	
<i>For 3 Hour Rated, Add</i>	13.12	
<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.43	34.95
<i>For Horizontal, Add</i>	6.23	
<i>For Dynamic Damper, Add</i>	9.34	
<i>For 3 Hour Rated, Add</i>	8.30	
<i>For Damper Blades Outside Air Stream, Add</i>	12.45	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.54	37.48
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.66	39.44
<i>For Horizontal, Add</i>	13.53	
<i>For Dynamic Damper, Add</i>	20.29	
<i>For 3 Hour Rated, Add</i>	18.04	
<i>For Damper Blades Outside Air Stream, Add</i>	27.06	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.27	40.87
<i>For Horizontal, Add</i>	14.93	
<i>For Dynamic Damper, Add</i>	22.40	
<i>For 3 Hour Rated, Add</i>	19.91	
<i>For Damper Blades Outside Air Stream, Add</i>	29.87	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.56	21.16
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.49	22.51
<i>For Horizontal, Add</i>	7.20	
<i>For Dynamic Damper, Add</i>	10.80	
<i>For 3 Hour Rated, Add</i>	9.60	
<i>For Damper Blades Outside Air Stream, Add</i>	14.41	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.89	23.95
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.30	25.38
		<i>For Horizontal, Add</i>	7.56	
		<i>For Dynamic Damper, Add</i>	11.33	
		<i>For 3 Hour Rated, Add</i>	10.07	
		<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.86	26.74
		<i>For Horizontal, Add</i>	8.17	
		<i>For Dynamic Damper, Add</i>	12.26	
		<i>For 3 Hour Rated, Add</i>	10.89	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.19	28.18
		<i>For Horizontal, Add</i>	8.79	
		<i>For Dynamic Damper, Add</i>	13.18	
		<i>For 3 Hour Rated, Add</i>	11.71	
		<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.56	32.41
		<i>For Horizontal, Add</i>	9.49	
		<i>For Dynamic Damper, Add</i>	14.23	
		<i>For 3 Hour Rated, Add</i>	12.65	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.72	35.20
		<i>For Horizontal, Add</i>	10.19	
		<i>For Dynamic Damper, Add</i>	15.29	
		<i>For 3 Hour Rated, Add</i>	13.59	
		<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.52	37.48
		<i>For Horizontal, Add</i>	11.25	
		<i>For Dynamic Damper, Add</i>	16.87	
		<i>For 3 Hour Rated, Add</i>	14.99	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.32	39.44
		<i>For Horizontal, Add</i>	13.18	
		<i>For Dynamic Damper, Add</i>	19.77	
		<i>For 3 Hour Rated, Add</i>	17.57	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.11	41.72
		<i>For Horizontal, Add</i>	14.23	
		<i>For Dynamic Damper, Add</i>	21.35	
		<i>For 3 Hour Rated, Add</i>	18.97	
		<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.38	42.82
		<i>For Horizontal, Add</i>	16.16	
		<i>For Dynamic Damper, Add</i>	24.25	
		<i>For 3 Hour Rated, Add</i>	21.55	
		<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.88	45.10
		<i>For Horizontal, Add</i>	17.92	
		<i>For Dynamic Damper, Add</i>	26.88	
		<i>For 3 Hour Rated, Add</i>	23.90	
		<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.15	21.16
		<i>For Horizontal, Add</i>	6.85	
		<i>For Dynamic Damper, Add</i>	10.28	
		<i>For 3 Hour Rated, Add</i>	9.14	
		<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.07	22.51
		<i>For Horizontal, Add</i>	7.56	
		<i>For Dynamic Damper, Add</i>	11.33	
		<i>For 3 Hour Rated, Add</i>	10.07	
		<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.82	23.95
		<i>For Horizontal, Add</i>	8.08	
		<i>For Dynamic Damper, Add</i>	12.13	
		<i>For 3 Hour Rated, Add</i>	10.78	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.22	25.38
		<i>For Horizontal, Add</i>	8.26	
		<i>For Dynamic Damper, Add</i>	12.39	
		<i>For 3 Hour Rated, Add</i>	11.01	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.13	26.74
		<i>For Horizontal, Add</i>	8.96	
		<i>For Dynamic Damper, Add</i>	13.44	
		<i>For 3 Hour Rated, Add</i>	11.95	
		<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.05	28.18
		<i>For Horizontal, Add</i>	9.66	
		<i>For Dynamic Damper, Add</i>	14.50	
		<i>For 3 Hour Rated, Add</i>	12.89	
		<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.84	33.85
		<i>For Horizontal, Add</i>	10.54	
		<i>For Dynamic Damper, Add</i>	15.82	
		<i>For 3 Hour Rated, Add</i>	14.06	
		<i>For Damper Blades Outside Air Stream, Add</i>	21.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.14	36.64
<i>For Horizontal, Add</i>	11.42	
<i>For Dynamic Damper, Add</i>	17.13	
<i>For 3 Hour Rated, Add</i>	15.23	
<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.32	39.44
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.32	42.31
<i>For Horizontal, Add</i>	14.76	
<i>For Dynamic Damper, Add</i>	22.14	
<i>For 3 Hour Rated, Add</i>	19.68	
<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	245.50	45.10
<i>For Horizontal, Add</i>	16.52	
<i>For Dynamic Damper, Add</i>	24.77	
<i>For 3 Hour Rated, Add</i>	22.02	
<i>For Damper Blades Outside Air Stream, Add</i>	33.03	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.26	46.46
<i>For Horizontal, Add</i>	18.10	
<i>For Dynamic Damper, Add</i>	27.14	
<i>For 3 Hour Rated, Add</i>	24.13	
<i>For Damper Blades Outside Air Stream, Add</i>	36.19	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	275.04	47.90
<i>For Horizontal, Add</i>	19.68	
<i>For Dynamic Damper, Add</i>	29.52	
<i>For 3 Hour Rated, Add</i>	26.24	
<i>For Damper Blades Outside Air Stream, Add</i>	39.35	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	289.83	49.34
<i>For Horizontal, Add</i>	21.26	
<i>For Dynamic Damper, Add</i>	31.89	
<i>For 3 Hour Rated, Add</i>	28.35	
<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.89	22.51
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.82	23.95
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.22	25.38
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.19	28.18
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.33	30.97
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.49	33.85
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.98	36.64
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.46	39.44
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	219.46	42.31
<i>For Horizontal, Add</i>	13.88	
<i>For Dynamic Damper, Add</i>	20.82	
<i>For 3 Hour Rated, Add</i>	18.51	
<i>For Damper Blades Outside Air Stream, Add</i>	27.76	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	240.81	45.10
<i>For Horizontal, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	23.72	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Damper Blades Outside Air Stream, Add</i>	31.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.59	46.46
For Horizontal, Add	17.40	
For Dynamic Damper, Add	26.09	
For 3 Hour Rated, Add	23.19	
For Damper Blades Outside Air Stream, Add	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.87	47.90
For Horizontal, Add	19.50	
For Dynamic Damper, Add	29.25	
For 3 Hour Rated, Add	26.00	
For Damper Blades Outside Air Stream, Add	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.88	50.69
For Horizontal, Add	21.08	
For Dynamic Damper, Add	31.63	
For 3 Hour Rated, Add	28.11	
For Damper Blades Outside Air Stream, Add	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.17	52.13
For Horizontal, Add	23.19	
For Dynamic Damper, Add	34.79	
For 3 Hour Rated, Add	30.92	
For Damper Blades Outside Air Stream, Add	46.39	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.23	56.36
For Horizontal, Add	24.60	
For Dynamic Damper, Add	36.90	
For 3 Hour Rated, Add	32.80	
For Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.64	23.95
For Horizontal, Add	7.91	
For Dynamic Damper, Add	11.86	
For 3 Hour Rated, Add	10.54	
For Damper Blades Outside Air Stream, Add	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.56	25.38
For Horizontal, Add	8.61	
For Dynamic Damper, Add	12.92	
For 3 Hour Rated, Add	11.48	
For Damper Blades Outside Air Stream, Add	17.22	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.70	28.18
For Horizontal, Add	9.31	
For Dynamic Damper, Add	13.97	
For 3 Hour Rated, Add	12.42	
For Damper Blades Outside Air Stream, Add	18.62	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.33	30.97
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.08	33.85
For Horizontal, Add	10.28	
For Dynamic Damper, Add	15.42	
For 3 Hour Rated, Add	13.71	
For Damper Blades Outside Air Stream, Add	20.56	
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.81	36.64
For Horizontal, Add	11.07	
For Dynamic Damper, Add	16.61	
For 3 Hour Rated, Add	14.76	
For Damper Blades Outside Air Stream, Add	22.14	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.30	39.44
For Horizontal, Add	12.12	
For Dynamic Damper, Add	18.19	
For 3 Hour Rated, Add	16.17	
For Damper Blades Outside Air Stream, Add	24.25	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.78	42.31
For Horizontal, Add	13.18	
For Dynamic Damper, Add	19.77	
For 3 Hour Rated, Add	17.57	
For Damper Blades Outside Air Stream, Add	26.36	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	233.79	45.10
For Horizontal, Add	14.76	
For Dynamic Damper, Add	22.14	
For 3 Hour Rated, Add	19.68	
For Damper Blades Outside Air Stream, Add	29.52	
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	256.31	47.90
For Horizontal, Add	16.87	
For Dynamic Damper, Add	25.30	
For 3 Hour Rated, Add	22.49	
For Damper Blades Outside Air Stream, Add	33.74	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	272.24	49.34
For Horizontal, Add	18.62	
For Dynamic Damper, Add	27.93	
For 3 Hour Rated, Add	24.83	
For Damper Blades Outside Air Stream, Add	37.25	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.71	50.69
For Horizontal, Add	20.91	
For Dynamic Damper, Add	31.36	
For 3 Hour Rated, Add	27.88	
For Damper Blades Outside Air Stream, Add	41.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	314.21	53.57
<i>For Horizontal, Add</i>	23.01	
<i>For Dynamic Damper, Add</i>	34.52	
<i>For 3 Hour Rated, Add</i>	30.69	
<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.23	56.36
<i>For Horizontal, Add</i>	24.60	
<i>For Dynamic Damper, Add</i>	36.90	
<i>For 3 Hour Rated, Add</i>	32.80	
<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	359.98	60.59
<i>For Horizontal, Add</i>	26.71	
<i>For Dynamic Damper, Add</i>	40.06	
<i>For 3 Hour Rated, Add</i>	35.61	
<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	380.15	63.38
<i>For Horizontal, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	42.69	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.22	25.38
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.53	28.18
<i>For Horizontal, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	13.70	
<i>For 3 Hour Rated, Add</i>	12.18	
<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.51	30.97
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.14	33.85
<i>For Horizontal, Add</i>	9.84	
<i>For Dynamic Damper, Add</i>	14.76	
<i>For 3 Hour Rated, Add</i>	13.12	
<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.05	36.64
<i>For Horizontal, Add</i>	10.81	
<i>For Dynamic Damper, Add</i>	16.21	
<i>For 3 Hour Rated, Add</i>	14.41	
<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.95	39.44
<i>For Horizontal, Add</i>	11.77	
<i>For Dynamic Damper, Add</i>	17.66	
<i>For 3 Hour Rated, Add</i>	15.70	
<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.85	42.31
<i>For Horizontal, Add</i>	12.74	
<i>For Dynamic Damper, Add</i>	19.11	
<i>For 3 Hour Rated, Add</i>	16.98	
<i>For Damper Blades Outside Air Stream, Add</i>	25.48	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.76	45.10
<i>For Horizontal, Add</i>	13.70	
<i>For Dynamic Damper, Add</i>	20.56	
<i>For 3 Hour Rated, Add</i>	18.27	
<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.27	47.90
<i>For Horizontal, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	23.72	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.57	49.34
<i>For Horizontal, Add</i>	17.92	
<i>For Dynamic Damper, Add</i>	26.88	
<i>For 3 Hour Rated, Add</i>	23.90	
<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.68	50.69
<i>For Horizontal, Add</i>	19.85	
<i>For Dynamic Damper, Add</i>	29.78	
<i>For 3 Hour Rated, Add</i>	26.47	
<i>For Damper Blades Outside Air Stream, Add</i>	39.71	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.54	53.57
<i>For Horizontal, Add</i>	22.31	
<i>For Dynamic Damper, Add</i>	33.47	
<i>For 3 Hour Rated, Add</i>	29.75	
<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.06	56.36
<i>For Horizontal, Add</i>	24.42	
<i>For Dynamic Damper, Add</i>	36.63	
<i>For 3 Hour Rated, Add</i>	32.56	
<i>For Damper Blades Outside Air Stream, Add</i>	48.84	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	355.75	59.15
			<i>For Horizontal, Add</i>	26.71	
			<i>For Dynamic Damper, Add</i>	40.06	
			<i>For 3 Hour Rated, Add</i>	35.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	375.92	62.03
			<i>For Horizontal, Add</i>	28.46	
			<i>For Dynamic Damper, Add</i>	42.69	
			<i>For 3 Hour Rated, Add</i>	37.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	399.61	64.82
			<i>For Horizontal, Add</i>	30.75	
			<i>For Dynamic Damper, Add</i>	46.12	
			<i>For 3 Hour Rated, Add</i>	41.00	
			<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	423.31	67.62
			<i>For Horizontal, Add</i>	33.03	
			<i>For Dynamic Damper, Add</i>	49.55	
			<i>For 3 Hour Rated, Add</i>	44.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.19	28.18
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.51	30.97
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	168.32	33.85
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.95	36.64
			<i>For Horizontal, Add</i>	10.19	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0162	EA		60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.44	39.44
			<i>For Horizontal, Add</i>	11.25	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163	EA		60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.92	42.31
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164	EA		60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.01	45.10
			<i>For Horizontal, Add</i>	13.44	
			<i>For Dynamic Damper, Add</i>	20.16	
			<i>For 3 Hour Rated, Add</i>	17.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165	EA		60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	241.08	47.90
			<i>For Horizontal, Add</i>	14.58	
			<i>For Dynamic Damper, Add</i>	21.87	
			<i>For 3 Hour Rated, Add</i>	19.44	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.17	
23 33 13 16-0166	EA		60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.54	49.34
			<i>For Horizontal, Add</i>	16.87	
			<i>For Dynamic Damper, Add</i>	25.30	
			<i>For 3 Hour Rated, Add</i>	22.49	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167	EA		60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	278.82	50.69
			<i>For Horizontal, Add</i>	18.98	
			<i>For Dynamic Damper, Add</i>	28.46	
			<i>For 3 Hour Rated, Add</i>	25.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168	EA		60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.52	53.57
			<i>For Horizontal, Add</i>	21.26	
			<i>For Dynamic Damper, Add</i>	31.89	
			<i>For 3 Hour Rated, Add</i>	28.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0169	EA		60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.21	56.36
			<i>For Horizontal, Add</i>	23.54	
			<i>For Dynamic Damper, Add</i>	35.32	
			<i>For 3 Hour Rated, Add</i>	31.39	
			<i>For Damper Blades Outside Air Stream, Add</i>	47.09	
23 33 13 16-0170	EA		60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.38	59.15
			<i>For Horizontal, Add</i>	25.30	
			<i>For Dynamic Damper, Add</i>	37.95	
			<i>For 3 Hour Rated, Add</i>	33.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	50.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	373.58	62.03
<i>For Horizontal, Add</i>	28.11	
<i>For Dynamic Damper, Add</i>	42.17	
<i>For 3 Hour Rated, Add</i>	37.48	
<i>For Damper Blades Outside Air Stream, Add</i>	56.22	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	398.44	64.82
<i>For Horizontal, Add</i>	30.57	
<i>For Dynamic Damper, Add</i>	45.86	
<i>For 3 Hour Rated, Add</i>	40.76	
<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	423.31	67.62
<i>For Horizontal, Add</i>	33.03	
<i>For Dynamic Damper, Add</i>	49.55	
<i>For 3 Hour Rated, Add</i>	44.04	
<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	445.80	70.49
<i>For Horizontal, Add</i>	35.14	
<i>For Dynamic Damper, Add</i>	52.71	
<i>For 3 Hour Rated, Add</i>	46.85	
<i>For Damper Blades Outside Air Stream, Add</i>	70.28	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	468.34	73.28
<i>For Horizontal, Add</i>	37.25	
<i>For Dynamic Damper, Add</i>	55.87	
<i>For 3 Hour Rated, Add</i>	49.66	
<i>For Damper Blades Outside Air Stream, Add</i>	74.50	
23 33 13 16-0176 Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
<small>Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.</small>		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	62.12	9.39
<i>For Horizontal, Add</i>	5.09	
<i>For Dynamic Damper, Add</i>	7.64	
<i>For 3 Hour Rated, Add</i>	6.79	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.84	9.81
<i>For Horizontal, Add</i>	5.31	
<i>For Dynamic Damper, Add</i>	7.96	
<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.48	9.90
<i>For Horizontal, Add</i>	5.53	
<i>For Dynamic Damper, Add</i>	8.29	
<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0180 EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.48	9.90
<i>For Horizontal, Add</i>	5.53	
<i>For Dynamic Damper, Add</i>	8.29	
<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0181 EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.80	10.16
<i>For Horizontal, Add</i>	5.75	
<i>For Dynamic Damper, Add</i>	8.62	
<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0182 EA 10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.10	11.25
<i>For Horizontal, Add</i>	6.19	
<i>For Dynamic Damper, Add</i>	9.28	
<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0183 EA 12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.80	10.16
<i>For Horizontal, Add</i>	5.75	
<i>For Dynamic Damper, Add</i>	8.62	
<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0184 EA 12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.41	10.75
<i>For Horizontal, Add</i>	6.19	
<i>For Dynamic Damper, Add</i>	9.28	
<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0185 EA 12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.57	11.25
<i>For Horizontal, Add</i>	6.41	
<i>For Dynamic Damper, Add</i>	9.61	
<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0186 EA 12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.26	12.69
<i>For Horizontal, Add</i>	6.63	
<i>For Dynamic Damper, Add</i>	9.94	
<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0187 EA 14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.68	10.75
<i>For Horizontal, Add</i>	6.08	
<i>For Dynamic Damper, Add</i>	9.12	
<i>For 3 Hour Rated, Add</i>	8.10	
23 33 13 16-0188 EA 14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.57	11.25
<i>For Horizontal, Add</i>	6.41	
<i>For Dynamic Damper, Add</i>	9.61	
<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189 EA 14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.72	11.85
<i>For Horizontal, Add</i>	6.63	
<i>For Dynamic Damper, Add</i>	9.94	
<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0190 EA 14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.72	12.69
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.27	
<i>For 3 Hour Rated, Add</i>	9.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.62	14.13
			<i>For Horizontal, Add</i>	7.40	
			<i>For Dynamic Damper, Add</i>	11.09	
			<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.51	11.25
			<i>For Horizontal, Add</i>	8.95	
			<i>For Dynamic Damper, Add</i>	13.42	
			<i>For 3 Hour Rated, Add</i>	11.93	
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.69	12.10
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.72	13.29
			<i>For Horizontal, Add</i>	9.44	
			<i>For Dynamic Damper, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.89	14.13
			<i>For Horizontal, Add</i>	9.69	
			<i>For Dynamic Damper, Add</i>	14.53	
			<i>For 3 Hour Rated, Add</i>	12.92	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.23	15.49
			<i>For Horizontal, Add</i>	10.30	
			<i>For Dynamic Damper, Add</i>	15.46	
			<i>For 3 Hour Rated, Add</i>	13.74	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.56	16.92
			<i>For Horizontal, Add</i>	10.92	
			<i>For Dynamic Damper, Add</i>	16.38	
			<i>For 3 Hour Rated, Add</i>	14.56	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.84	11.85
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.84	12.69
			<i>For Horizontal, Add</i>	9.56	
			<i>For Dynamic Damper, Add</i>	14.35	
			<i>For 3 Hour Rated, Add</i>	12.75	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.55	14.13
			<i>For Horizontal, Add</i>	9.94	
			<i>For Dynamic Damper, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	13.25	
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.87	15.49
			<i>For Horizontal, Add</i>	10.55	
			<i>For Dynamic Damper, Add</i>	15.82	
			<i>For 3 Hour Rated, Add</i>	14.07	
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.38	16.92
			<i>For Horizontal, Add</i>	11.04	
			<i>For Dynamic Damper, Add</i>	16.56	
			<i>For 3 Hour Rated, Add</i>	14.72	
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.72	18.28
			<i>For Horizontal, Add</i>	11.66	
			<i>For Dynamic Damper, Add</i>	17.48	
			<i>For 3 Hour Rated, Add</i>	15.54	
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.40	19.72
			<i>For Horizontal, Add</i>	12.03	
			<i>For Dynamic Damper, Add</i>	18.04	
			<i>For 3 Hour Rated, Add</i>	16.03	
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.03	12.69
			<i>For Horizontal, Add</i>	9.44	
			<i>For Dynamic Damper, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.53	14.13
			<i>For Horizontal, Add</i>	9.93	
			<i>For Dynamic Damper, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	13.24	
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.05	15.49
			<i>For Horizontal, Add</i>	10.43	
			<i>For Dynamic Damper, Add</i>	15.64	
			<i>For 3 Hour Rated, Add</i>	13.90	
23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.85	16.92
			<i>For Horizontal, Add</i>	11.41	
			<i>For Dynamic Damper, Add</i>	17.12	
			<i>For 3 Hour Rated, Add</i>	15.22	
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.55	18.28
			<i>For Horizontal, Add</i>	11.78	
			<i>For Dynamic Damper, Add</i>	17.67	
			<i>For 3 Hour Rated, Add</i>	15.71	
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.22	19.72
			<i>For Horizontal, Add</i>	12.15	
			<i>For Dynamic Damper, Add</i>	18.22	
			<i>For 3 Hour Rated, Add</i>	16.20	
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.74	21.16
			<i>For Horizontal, Add</i>	12.64	
			<i>For Dynamic Damper, Add</i>	18.96	
			<i>For 3 Hour Rated, Add</i>	16.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0212 EA 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.24	22.51
<i>For Horizontal, Add</i>	13.13	
<i>For Dynamic Damper, Add</i>	19.70	
<i>For 3 Hour Rated, Add</i>	17.51	
23 33 13 16-0213 EA 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.61	14.13
<i>For Horizontal, Add</i>	12.20	
<i>For Dynamic Damper, Add</i>	18.29	
<i>For 3 Hour Rated, Add</i>	16.26	
23 33 13 16-0214 EA 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.77	15.49
<i>For Horizontal, Add</i>	12.93	
<i>For Dynamic Damper, Add</i>	19.40	
<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0215 EA 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.29	16.92
<i>For Horizontal, Add</i>	13.43	
<i>For Dynamic Damper, Add</i>	20.14	
<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0216 EA 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.43	18.28
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0217 EA 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.12	19.72
<i>For Horizontal, Add</i>	14.53	
<i>For Dynamic Damper, Add</i>	21.80	
<i>For 3 Hour Rated, Add</i>	19.38	
23 33 13 16-0218 EA 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	162.81	21.16
<i>For Horizontal, Add</i>	14.90	
<i>For Dynamic Damper, Add</i>	22.35	
<i>For 3 Hour Rated, Add</i>	19.87	
23 33 13 16-0219 EA 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.96	22.51
<i>For Horizontal, Add</i>	15.64	
<i>For Dynamic Damper, Add</i>	23.46	
<i>For 3 Hour Rated, Add</i>	20.85	
23 33 13 16-0220 EA 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.34	25.38
<i>For Horizontal, Add</i>	16.38	
<i>For Dynamic Damper, Add</i>	24.57	
<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221 EA 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.36	28.18
<i>For Horizontal, Add</i>	17.36	
<i>For Dynamic Damper, Add</i>	26.04	
<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0222 EA 28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.77	15.49
<i>For Horizontal, Add</i>	12.93	
<i>For Dynamic Damper, Add</i>	19.40	
<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223 EA 28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.29	16.92
<i>For Horizontal, Add</i>	13.43	
<i>For Dynamic Damper, Add</i>	20.14	
<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224 EA 28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.43	18.28
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0225 EA 28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.93	19.72
<i>For Horizontal, Add</i>	14.66	
<i>For Dynamic Damper, Add</i>	21.98	
<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0226 EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.28	21.16
<i>For Horizontal, Add</i>	15.27	
<i>For Dynamic Damper, Add</i>	22.91	
<i>For 3 Hour Rated, Add</i>	20.36	
23 33 13 16-0227 EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.59	22.51
<i>For Horizontal, Add</i>	15.88	
<i>For Dynamic Damper, Add</i>	23.83	
<i>For 3 Hour Rated, Add</i>	21.18	
23 33 13 16-0228 EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.98	25.38
<i>For Horizontal, Add</i>	16.62	
<i>For Dynamic Damper, Add</i>	24.93	
<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0229 EA 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.36	28.18
<i>For Horizontal, Add</i>	17.36	
<i>For Dynamic Damper, Add</i>	26.04	
<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0230 EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.44	29.62
<i>For Horizontal, Add</i>	18.84	
<i>For Dynamic Damper, Add</i>	28.26	
<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231 EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.09	32.41
<i>For Horizontal, Add</i>	20.07	
<i>For Dynamic Damper, Add</i>	30.10	
<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0232 EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.19	16.92
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.06	18.28
			<i>For Horizontal, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	21.61	
			<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.93	19.72
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.44	21.16
			<i>For Horizontal, Add</i>	15.15	
			<i>For Dynamic Damper, Add</i>	22.72	
			<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.90	22.51
			<i>For Horizontal, Add</i>	15.93	
			<i>For Dynamic Damper, Add</i>	23.90	
			<i>For 3 Hour Rated, Add</i>	21.24	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.98	25.38
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.01	28.18
			<i>For Horizontal, Add</i>	17.61	
			<i>For Dynamic Damper, Add</i>	26.41	
			<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.03	30.97
			<i>For Horizontal, Add</i>	18.59	
			<i>For Dynamic Damper, Add</i>	27.89	
			<i>For 3 Hour Rated, Add</i>	24.79	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.09	32.41
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.34	34.69
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.39	36.64
			<i>For Horizontal, Add</i>	23.76	
			<i>For Dynamic Damper, Add</i>	35.64	
			<i>For 3 Hour Rated, Add</i>	31.68	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.79	18.28
			<i>For Horizontal, Add</i>	16.17	
			<i>For Dynamic Damper, Add</i>	24.25	
			<i>For 3 Hour Rated, Add</i>	21.56	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.74	19.72
			<i>For Horizontal, Add</i>	16.73	
			<i>For Dynamic Damper, Add</i>	25.09	
			<i>For 3 Hour Rated, Add</i>	22.30	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.73	21.16
			<i>For Horizontal, Add</i>	17.29	
			<i>For Dynamic Damper, Add</i>	25.93	
			<i>For 3 Hour Rated, Add</i>	23.05	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.59	22.51
			<i>For Horizontal, Add</i>	18.13	
			<i>For Dynamic Damper, Add</i>	27.20	
			<i>For 3 Hour Rated, Add</i>	24.18	
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.87	25.38
			<i>For Horizontal, Add</i>	18.56	
			<i>For Dynamic Damper, Add</i>	27.83	
			<i>For 3 Hour Rated, Add</i>	24.74	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.92	26.74
			<i>For Horizontal, Add</i>	18.98	
			<i>For Dynamic Damper, Add</i>	28.47	
			<i>For 3 Hour Rated, Add</i>	25.31	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.98	30.97
			<i>For Horizontal, Add</i>	20.39	
			<i>For Dynamic Damper, Add</i>	30.58	
			<i>For 3 Hour Rated, Add</i>	27.18	
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.81	33.85
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.44	34.95
			<i>For Horizontal, Add</i>	23.48	
			<i>For Dynamic Damper, Add</i>	35.21	
			<i>For 3 Hour Rated, Add</i>	31.30	
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.04	37.48
			<i>For Horizontal, Add</i>	25.72	
			<i>For Dynamic Damper, Add</i>	38.59	
			<i>For 3 Hour Rated, Add</i>	34.30	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.07	39.44
			<i>For Horizontal, Add</i>	27.69	
			<i>For Dynamic Damper, Add</i>	41.54	
			<i>For 3 Hour Rated, Add</i>	36.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0254 EA 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	322.31	40.87
<i>For Horizontal, Add</i>	29.94	
<i>For Dynamic Damper, Add</i>	44.91	
<i>For 3 Hour Rated, Add</i>	39.92	
23 33 13 16-0255 EA 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.31	21.16
<i>For Horizontal, Add</i>	18.46	
<i>For Dynamic Damper, Add</i>	27.69	
<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 16-0256 EA 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.05	22.51
<i>For Horizontal, Add</i>	19.59	
<i>For Dynamic Damper, Add</i>	29.38	
<i>For 3 Hour Rated, Add</i>	26.12	
23 33 13 16-0257 EA 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.15	23.95
<i>For Horizontal, Add</i>	19.87	
<i>For Dynamic Damper, Add</i>	29.80	
<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0258 EA 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.26	25.38
<i>For Horizontal, Add</i>	20.15	
<i>For Dynamic Damper, Add</i>	30.22	
<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0259 EA 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	221.28	26.74
<i>For Horizontal, Add</i>	21.13	
<i>For Dynamic Damper, Add</i>	31.70	
<i>For 3 Hour Rated, Add</i>	28.18	
23 33 13 16-0260 EA 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	232.07	28.18
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0261 EA 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.26	32.41
<i>For Horizontal, Add</i>	23.24	
<i>For Dynamic Damper, Add</i>	34.86	
<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0262 EA 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.22	35.20
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0263 EA 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.24	37.48
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0264 EA 40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	312.77	39.44
<i>For Horizontal, Add</i>	29.15	
<i>For Dynamic Damper, Add</i>	43.72	
<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0265 EA 40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	330.78	41.72
<i>For Horizontal, Add</i>	30.83	
<i>For Dynamic Damper, Add</i>	46.25	
<i>For 3 Hour Rated, Add</i>	41.11	
23 33 13 16-0266 EA 40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	354.78	42.82
<i>For Horizontal, Add</i>	33.92	
<i>For Dynamic Damper, Add</i>	50.89	
<i>For 3 Hour Rated, Add</i>	45.23	
23 33 13 16-0267 EA 40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	380.30	45.10
<i>For Horizontal, Add</i>	36.74	
<i>For Dynamic Damper, Add</i>	55.10	
<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0268 EA 44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.30	21.16
<i>For Horizontal, Add</i>	19.02	
<i>For Dynamic Damper, Add</i>	28.54	
<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 16-0269 EA 44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.03	22.51
<i>For Horizontal, Add</i>	20.15	
<i>For Dynamic Damper, Add</i>	30.22	
<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0270 EA 44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.89	23.95
<i>For Horizontal, Add</i>	20.99	
<i>For Dynamic Damper, Add</i>	31.49	
<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0271 EA 44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.99	25.38
<i>For Horizontal, Add</i>	21.27	
<i>For Dynamic Damper, Add</i>	31.91	
<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0272 EA 44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.72	26.74
<i>For Horizontal, Add</i>	22.40	
<i>For Dynamic Damper, Add</i>	33.60	
<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13 16-0273 EA 44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	241.45	28.18
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0274 EA 44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.75	33.85
<i>For Horizontal, Add</i>	24.93	
<i>For Dynamic Damper, Add</i>	37.40	
<i>For 3 Hour Rated, Add</i>	33.24	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.57	36.64
			<i>For Horizontal, Add</i>	26.33	
			<i>For Dynamic Damper, Add</i>	39.50	
			<i>For 3 Hour Rated, Add</i>	35.11	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.77	39.44
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.10	42.31
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.30	45.10
			<i>For Horizontal, Add</i>	34.49	
			<i>For Dynamic Damper, Add</i>	51.73	
			<i>For 3 Hour Rated, Add</i>	45.98	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	386.39	46.46
			<i>For Horizontal, Add</i>	37.02	
			<i>For Dynamic Damper, Add</i>	55.52	
			<i>For 3 Hour Rated, Add</i>	49.35	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.50	47.90
			<i>For Horizontal, Add</i>	39.55	
			<i>For Dynamic Damper, Add</i>	59.32	
			<i>For 3 Hour Rated, Add</i>	52.73	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.61	49.34
			<i>For Horizontal, Add</i>	42.08	
			<i>For Dynamic Damper, Add</i>	63.12	
			<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.15	22.51
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.89	23.95
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.99	25.38
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.07	28.18
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.03	30.97
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.99	33.85
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.70	36.64
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.40	39.44
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.73	42.31
			<i>For Horizontal, Add</i>	30.27	
			<i>For Dynamic Damper, Add</i>	45.41	
			<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.80	45.10
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.91	46.46
			<i>For Horizontal, Add</i>	35.89	
			<i>For Dynamic Damper, Add</i>	53.84	
			<i>For 3 Hour Rated, Add</i>	47.86	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.62	47.90
			<i>For Horizontal, Add</i>	39.26	
			<i>For Dynamic Damper, Add</i>	58.90	
			<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.96	50.69
			<i>For Horizontal, Add</i>	41.80	
			<i>For Dynamic Damper, Add</i>	62.69	
			<i>For 3 Hour Rated, Add</i>	55.73	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.68	52.13
			<i>For Horizontal, Add</i>	45.17	
			<i>For Dynamic Damper, Add</i>	67.75	
			<i>For 3 Hour Rated, Add</i>	60.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0296 EA 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	485.37	56.36
<i>For Horizontal, Add</i>	47.42	
<i>For Dynamic Damper, Add</i>	71.13	
<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0297 EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.01	23.95
<i>For Horizontal, Add</i>	20.71	
<i>For Dynamic Damper, Add</i>	31.07	
<i>For 3 Hour Rated, Add</i>	27.62	
23 33 13 16-0298 EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	221.74	25.38
<i>For Horizontal, Add</i>	21.84	
<i>For Dynamic Damper, Add</i>	32.76	
<i>For 3 Hour Rated, Add</i>	29.12	
23 33 13 16-0299 EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.70	28.18
<i>For Horizontal, Add</i>	22.96	
<i>For Dynamic Damper, Add</i>	34.44	
<i>For 3 Hour Rated, Add</i>	30.62	
23 33 13 16-0300 EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.03	30.97
<i>For Horizontal, Add</i>	23.24	
<i>For Dynamic Damper, Add</i>	34.86	
<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0301 EA 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.94	33.85
<i>For Horizontal, Add</i>	24.51	
<i>For Dynamic Damper, Add</i>	36.76	
<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302 EA 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.82	36.64
<i>For Horizontal, Add</i>	25.77	
<i>For Dynamic Damper, Add</i>	38.66	
<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0303 EA 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.53	39.44
<i>For Horizontal, Add</i>	27.46	
<i>For Dynamic Damper, Add</i>	41.19	
<i>For 3 Hour Rated, Add</i>	36.61	
23 33 13 16-0304 EA 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	321.23	42.31
<i>For Horizontal, Add</i>	29.15	
<i>For Dynamic Damper, Add</i>	43.72	
<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305 EA 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.57	45.10
<i>For Horizontal, Add</i>	31.68	
<i>For Dynamic Damper, Add</i>	47.51	
<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0306 EA 52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	377.51	47.90
<i>For Horizontal, Add</i>	35.05	
<i>For Dynamic Damper, Add</i>	52.57	
<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307 EA 52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	400.48	49.34
<i>For Horizontal, Add</i>	37.86	
<i>For Dynamic Damper, Add</i>	56.79	
<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308 EA 52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	429.08	50.69
<i>For Horizontal, Add</i>	41.51	
<i>For Dynamic Damper, Add</i>	62.27	
<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309 EA 52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	460.02	53.57
<i>For Horizontal, Add</i>	44.89	
<i>For Dynamic Damper, Add</i>	67.33	
<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310 EA 52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	485.37	56.36
<i>For Horizontal, Add</i>	47.42	
<i>For Dynamic Damper, Add</i>	71.13	
<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311 EA 52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	520.54	60.59
<i>For Horizontal, Add</i>	50.79	
<i>For Dynamic Damper, Add</i>	76.19	
<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312 EA 52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	547.75	63.38
<i>For Horizontal, Add</i>	53.60	
<i>For Dynamic Damper, Add</i>	80.40	
<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0313 EA 56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.99	25.38
<i>For Horizontal, Add</i>	21.27	
<i>For Dynamic Damper, Add</i>	31.91	
<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0314 EA 56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.81	28.18
<i>For Horizontal, Add</i>	22.68	
<i>For Dynamic Damper, Add</i>	34.02	
<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315 EA 56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.91	30.97
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0316 EA 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.24	33.85
<i>For Horizontal, Add</i>	23.80	
<i>For Dynamic Damper, Add</i>	35.71	
<i>For 3 Hour Rated, Add</i>	31.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.02	36.64
			<i>For Horizontal, Add</i>	25.35	
			<i>For Dynamic Damper, Add</i>	38.03	
			<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.78	39.44
			<i>For Horizontal, Add</i>	26.90	
			<i>For Dynamic Damper, Add</i>	40.34	
			<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.55	42.31
			<i>For Horizontal, Add</i>	28.44	
			<i>For Dynamic Damper, Add</i>	42.66	
			<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.32	45.10
			<i>For Horizontal, Add</i>	29.99	
			<i>For Dynamic Damper, Add</i>	44.98	
			<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.26	47.90
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.99	49.34
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.83	50.69
			<i>For Horizontal, Add</i>	39.83	
			<i>For Dynamic Damper, Add</i>	59.74	
			<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.54	53.57
			<i>For Horizontal, Add</i>	43.76	
			<i>For Dynamic Damper, Add</i>	65.65	
			<i>For 3 Hour Rated, Add</i>	58.35	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.49	56.36
			<i>For Horizontal, Add</i>	47.14	
			<i>For Dynamic Damper, Add</i>	70.70	
			<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.31	59.15
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.52	62.03
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	576.34	64.82
			<i>For Horizontal, Add</i>	57.26	
			<i>For Dynamic Damper, Add</i>	85.88	
			<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.17	67.62
			<i>For Horizontal, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	91.37	
			<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.07	28.18
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.91	30.97
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.11	33.85
			<i>For Horizontal, Add</i>	24.08	
			<i>For Dynamic Damper, Add</i>	36.13	
			<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.45	36.64
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.16	39.44
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.86	42.31
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.51	45.10
			<i>For Horizontal, Add</i>	29.57	
			<i>For Dynamic Damper, Add</i>	44.35	
			<i>For 3 Hour Rated, Add</i>	39.42	
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.15	47.90
			<i>For Horizontal, Add</i>	31.39	
			<i>For Dynamic Damper, Add</i>	47.09	
			<i>For 3 Hour Rated, Add</i>	41.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	381.74	49.34
<i>For Horizontal, Add</i>	35.05	
<i>For Dynamic Damper, Add</i>	52.57	
<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	408.46	50.69
<i>For Horizontal, Add</i>	38.42	
<i>For Dynamic Damper, Add</i>	57.63	
<i>For 3 Hour Rated, Add</i>	51.23	
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	441.30	53.57
<i>For Horizontal, Add</i>	42.08	
<i>For Dynamic Damper, Add</i>	63.12	
<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	474.13	56.36
<i>For Horizontal, Add</i>	45.73	
<i>For Dynamic Damper, Add</i>	68.60	
<i>For 3 Hour Rated, Add</i>	60.98	
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	501.33	59.15
<i>For Horizontal, Add</i>	48.54	
<i>For Dynamic Damper, Add</i>	72.81	
<i>For 3 Hour Rated, Add</i>	64.72	
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	539.77	62.03
<i>For Horizontal, Add</i>	53.04	
<i>For Dynamic Damper, Add</i>	79.56	
<i>For 3 Hour Rated, Add</i>	70.72	
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	574.46	64.82
<i>For Horizontal, Add</i>	56.97	
<i>For Dynamic Damper, Add</i>	85.46	
<i>For 3 Hour Rated, Add</i>	75.97	
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	609.17	67.62
<i>For Horizontal, Add</i>	60.91	
<i>For Dynamic Damper, Add</i>	91.37	
<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	640.10	70.49
<i>For Horizontal, Add</i>	64.28	
<i>For Dynamic Damper, Add</i>	96.42	
<i>For 3 Hour Rated, Add</i>	85.71	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	671.08	73.28
<i>For Horizontal, Add</i>	67.66	
<i>For Dynamic Damper, Add</i>	101.49	
<i>For 3 Hour Rated, Add</i>	90.21	
23 33 13 16-0348 Round 2 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper.....	49.80	16.92
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper.....	50.94	16.92
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper.....	58.99	19.20
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper.....	60.23	19.20
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper.....	69.66	21.16
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper.....	73.08	21.16
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper.....	81.21	23.52
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper.....	91.28	26.49
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper.....	103.96	30.21
23 33 13 16-0358 Round 4 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper.....	56.34	19.20
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper.....	59.45	19.20
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper.....	66.44	21.16
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper.....	70.46	21.16
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper.....	79.18	23.52
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper.....	81.63	23.52
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper.....	91.35	26.49
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper.....	102.41	30.21
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper.....	119.48	35.29
23 33 13 19 Smoke-Control Dampers <small>(23 33 13)</small>		
23 33 13 19-0001 Combination Smoke/Fire Damper <small>(23 33 13 19)</small>		
<i>Note: Leakage class I with Firestat UL 555S air foil blades.</i>		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.95	14.09
<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.21	14.73
<i>For 3 Hour Rated, Add</i>	11.21	
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.81	14.86
<i>For 3 Hour Rated, Add</i>	11.48	
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.81	14.86
<i>For 3 Hour Rated, Add</i>	11.48	
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.42	15.23
<i>For 3 Hour Rated, Add</i>	11.74	
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.19	16.88
<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.42	15.23
<i>For 3 Hour Rated, Add</i>	11.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.65	16.12
			<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.53	16.88
			<i>For 3 Hour Rated, Add</i>	12.55	
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.23	19.04
			<i>For 3 Hour Rated, Add</i>	12.82	
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.98	16.12
			<i>For 3 Hour Rated, Add</i>	12.15	
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.53	16.88
			<i>For 3 Hour Rated, Add</i>	12.55	
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.43	17.78
			<i>For 3 Hour Rated, Add</i>	12.82	
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.59	19.04
			<i>For 3 Hour Rated, Add</i>	13.09	
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.30	21.20
			<i>For 3 Hour Rated, Add</i>	13.77	
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	162.80	16.88
			<i>For 3 Hour Rated, Add</i>	22.41	
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.96	18.15
			<i>For 3 Hour Rated, Add</i>	22.68	
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.39	19.93
			<i>For 3 Hour Rated, Add</i>	22.95	
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.53	21.20
			<i>For 3 Hour Rated, Add</i>	23.21	
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.25	23.23
			<i>For 3 Hour Rated, Add</i>	23.89	
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.97	25.38
			<i>For 3 Hour Rated, Add</i>	24.56	
23 33 13 19-0023	EA		18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.70	17.78
			<i>For 3 Hour Rated, Add</i>	22.68	
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.51	19.04
			<i>For 3 Hour Rated, Add</i>	23.08	
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.90	21.20
			<i>For 3 Hour Rated, Add</i>	23.49	
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.60	23.23
			<i>For 3 Hour Rated, Add</i>	24.16	
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.64	25.38
			<i>For 3 Hour Rated, Add</i>	24.70	
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	209.35	27.42
			<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 19-0029	EA		18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.73	29.57
			<i>For 3 Hour Rated, Add</i>	25.77	
23 33 13 19-0030	EA		20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.85	19.04
			<i>For 3 Hour Rated, Add</i>	22.95	
23 33 13 19-0031	EA		20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.89	21.20
			<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 19-0032	EA		20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.92	23.23
			<i>For 3 Hour Rated, Add</i>	24.02	
23 33 13 19-0033	EA		20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.67	25.38
			<i>For 3 Hour Rated, Add</i>	25.10	
23 33 13 19-0034	EA		20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.03	27.42
			<i>For 3 Hour Rated, Add</i>	25.51	
23 33 13 19-0035	EA		20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.41	29.57
			<i>For 3 Hour Rated, Add</i>	25.91	
23 33 13 19-0036	EA		20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.44	31.74
			<i>For 3 Hour Rated, Add</i>	26.45	
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.48	33.77
			<i>For 3 Hour Rated, Add</i>	26.99	
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.97	21.20
			<i>For 3 Hour Rated, Add</i>	34.50	
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.36	23.23
			<i>For 3 Hour Rated, Add</i>	35.31	
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.42	25.38
			<i>For 3 Hour Rated, Add</i>	35.85	
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.79	27.42
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.17	29.57
			<i>For 3 Hour Rated, Add</i>	37.06	
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.53	31.74
			<i>For 3 Hour Rated, Add</i>	37.47	
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.92	33.77
			<i>For 3 Hour Rated, Add</i>	38.27	
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.65	38.08
			<i>For 3 Hour Rated, Add</i>	39.08	
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	327.73	42.26
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.36	23.23
			<i>For 3 Hour Rated, Add</i>	35.31	
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.42	25.38
			<i>For 3 Hour Rated, Add</i>	35.85	
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.79	27.42
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.84	29.57
			<i>For 3 Hour Rated, Add</i>	37.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	284.55 37.87	31.74
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	294.26 38.54	33.77
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	310.99 39.35	38.08
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	327.73 40.16	42.26
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	342.16 41.78	44.43
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	361.59 43.12	48.62
23 33 13 19-0057 EA 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	259.45 36.66	25.38
23 33 13 19-0058 EA 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	267.13 36.93	27.42
23 33 13 19-0059 EA 32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	274.84 37.20	29.57
23 33 13 19-0060 EA 32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	283.87 37.73	31.74
23 33 13 19-0061 EA 32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	294.51 38.59	33.77
23 33 13 19-0062 EA 32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	310.99 39.35	38.08
23 33 13 19-0063 EA 32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	329.08 40.43	42.26
23 33 13 19-0064 EA 32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	347.16 41.51	46.46
23 33 13 19-0065 EA 32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	361.59 43.12	48.62
23 33 13 19-0066 EA 32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	381.18 45.01	52.05
23 33 13 19-0067 EA 32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	400.83 47.16	54.97
23 33 13 19-0068 EA 36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	274.05 38.31	27.42
23 33 13 19-0069 EA 36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	283.33 38.89	29.57
23 33 13 19-0070 EA 36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	292.59 39.48	31.74
23 33 13 19-0071 EA 36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	303.34 40.36	33.77
23 33 13 19-0072 EA 36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	318.24 40.80	38.08
23 33 13 19-0073 EA 36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	326.78 41.24	40.11
23 33 13 19-0074 EA 36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	353.14 42.70	46.46
23 33 13 19-0075 EA 36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	373.15 44.17	50.77
23 33 13 19-0076 EA 36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	387.01 45.92	52.42
23 33 13 19-0077 EA 36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	410.15 48.27	56.23
23 33 13 19-0078 EA 36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	429.28 50.31	59.15
23 33 13 19-0079 EA 36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	447.33 52.66	61.31
23 33 13 19-0080 EA 40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	331.13 48.45	31.74
23 33 13 19-0081 EA 40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	343.32 49.62	33.77
23 33 13 19-0082 EA 40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	351.14 49.92	35.92
23 33 13 19-0083 EA 40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	358.95 50.21	38.08
23 33 13 19-0084 EA 40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	376.77 51.24	40.11
23 33 13 19-0085 EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	388.24 52.26	42.26
23 33 13 19-0086 EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	413.15 53.43	48.62
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	431.69 54.60	52.80
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	450.63 56.36	56.23
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	475.62 59.58	59.15
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	494.55 61.34	62.58
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	515.74 64.56	64.23
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	540.55 67.49	67.66

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.40	31.74
			<i>For 3 Hour Rated, Add</i>	49.04	
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.61	33.77
			<i>For 3 Hour Rated, Add</i>	50.21	
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	363.34	35.92
			<i>For 3 Hour Rated, Add</i>	51.09	
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	371.16	38.08
			<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	383.37	40.11
			<i>For 3 Hour Rated, Add</i>	52.56	
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.56	42.26
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	428.28	50.77
			<i>For 3 Hour Rated, Add</i>	55.19	
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	448.28	54.97
			<i>For 3 Hour Rated, Add</i>	56.65	
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	475.62	59.15
			<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	501.49	63.47
			<i>For 3 Hour Rated, Add</i>	62.22	
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	528.82	67.66
			<i>For 3 Hour Rated, Add</i>	65.14	
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	548.34	69.68
			<i>For 3 Hour Rated, Add</i>	67.78	
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	567.87	71.85
			<i>For 3 Hour Rated, Add</i>	70.42	
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	587.40	74.00
			<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	351.14	33.77
			<i>For 3 Hour Rated, Add</i>	49.92	
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	363.34	35.92
			<i>For 3 Hour Rated, Add</i>	51.09	
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	371.16	38.08
			<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.24	42.26
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	406.79	46.46
			<i>For 3 Hour Rated, Add</i>	53.43	
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	425.34	50.77
			<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	446.82	54.97
			<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	468.30	59.15
			<i>For 3 Hour Rated, Add</i>	58.12	
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	494.17	63.47
			<i>For 3 Hour Rated, Add</i>	60.75	
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	522.96	67.66
			<i>For 3 Hour Rated, Add</i>	63.97	
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	542.50	69.68
			<i>For 3 Hour Rated, Add</i>	66.61	
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	566.40	71.85
			<i>For 3 Hour Rated, Add</i>	70.12	
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	592.28	76.03
			<i>For 3 Hour Rated, Add</i>	72.76	
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	616.20	78.19
			<i>For 3 Hour Rated, Add</i>	76.27	
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	646.95	84.54
			<i>For 3 Hour Rated, Add</i>	78.62	
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.87	35.92
			<i>For 3 Hour Rated, Add</i>	50.80	
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.08	38.08
			<i>For 3 Hour Rated, Add</i>	51.97	
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	392.63	42.26
			<i>For 3 Hour Rated, Add</i>	53.14	
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	406.79	46.46
			<i>For 3 Hour Rated, Add</i>	53.43	
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	426.08	50.77
			<i>For 3 Hour Rated, Add</i>	54.75	
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	445.36	54.97
			<i>For 3 Hour Rated, Add</i>	56.07	
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	466.84	59.15
			<i>For 3 Hour Rated, Add</i>	57.83	
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	488.31	63.47
			<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	514.19	67.66
			<i>For 3 Hour Rated, Add</i>	62.22	
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	544.45	71.85
			<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	565.42	74.00
			<i>For 3 Hour Rated, Add</i>	68.66	
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	590.82	76.03
			<i>For 3 Hour Rated, Add</i>	72.47	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	621.06	80.35
			<i>For 3 Hour Rated, Add</i>	75.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0135 EA 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	646.95 78.62	84.54
23 33 13 19-0136 EA 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	683.55 82.13	90.89
23 33 13 19-0137 EA 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	710.89 85.06	95.08
23 33 13 19-0138 EA 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	371.16 51.38	38.08
23 33 13 19-0139 EA 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	391.16 52.85	42.26
23 33 13 19-0140 EA 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	408.25 53.73	46.46
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	422.41 54.02	50.77
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	443.16 55.63	54.97
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	463.91 57.24	59.15
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	484.65 58.85	63.47
23 33 13 19-0145 EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	505.40 60.46	67.66
23 33 13 19-0146 EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	535.65 63.97	71.85
23 33 13 19-0147 EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	559.58 67.49	74.00
23 33 13 19-0148 EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	582.02 70.71	76.03
23 33 13 19-0149 EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	615.21 74.81	80.35
23 33 13 19-0150 EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	645.48 78.32	84.54
23 33 13 19-0151 EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	677.20 82.13	88.73
23 33 13 19-0152 EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	704.54 85.06	93.04
23 33 13 19-0153 EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	736.27 88.86	97.23
23 33 13 19-0154 EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	767.99 92.67	101.42
23 33 13 19-0155 EA 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	388.24 52.26	42.26
23 33 13 19-0156 EA 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	408.25 53.73	46.46
23 33 13 19-0157 EA 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	423.88 54.31	50.77
23 33 13 19-0158 EA 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	438.03 54.60	54.97
23 33 13 19-0159 EA 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	459.52 56.36	59.15
23 33 13 19-0160 EA 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	480.99 58.12	63.47
23 33 13 19-0161 EA 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	503.20 60.02	67.66
23 33 13 19-0162 EA 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	525.42 61.93	71.85
23 33 13 19-0163 EA 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	550.79 65.73	74.00
23 33 13 19-0164 EA 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	574.70 69.24	76.03
23 33 13 19-0165 EA 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	606.44 73.05	80.35
23 33 13 19-0166 EA 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	638.17 76.86	84.54
23 33 13 19-0167 EA 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	665.50 79.79	88.73
23 33 13 19-0168 EA 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	701.61 84.47	93.04
23 33 13 19-0169 EA 60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	734.81 88.57	97.23
23 33 13 19-0170 EA 60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	767.99 92.67	101.42
23 33 13 19-0171 EA 60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	798.25 96.18	105.74
23 33 13 19-0172 EA 60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	828.53 99.70	109.92
23 33 13 19-0173 Smoke Damper <small>(23 33 13 19)</small> Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174 EA 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	76.75 10.93 9.71	9.39

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.24	9.81
			<i>For Dynamic Damper, Add</i>	11.20	
			<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.65	9.90
			<i>For Dynamic Damper, Add</i>	11.48	
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.65	9.90
			<i>For Dynamic Damper, Add</i>	11.48	
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.73	10.16
			<i>For Dynamic Damper, Add</i>	11.76	
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.56	11.25
			<i>For Dynamic Damper, Add</i>	12.31	
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.73	10.16
			<i>For Dynamic Damper, Add</i>	11.76	
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.87	10.75
			<i>For Dynamic Damper, Add</i>	12.31	
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.80	11.25
			<i>For Dynamic Damper, Add</i>	12.59	
			<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.25	12.69
			<i>For Dynamic Damper, Add</i>	12.86	
			<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.26	10.75
			<i>For Dynamic Damper, Add</i>	12.17	
			<i>For 3 Hour Rated, Add</i>	10.82	
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.80	11.25
			<i>For Dynamic Damper, Add</i>	12.59	
			<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.71	11.85
			<i>For Dynamic Damper, Add</i>	12.86	
			<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.49	12.69
			<i>For Dynamic Damper, Add</i>	13.14	
			<i>For 3 Hour Rated, Add</i>	11.68	
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.79	14.13
			<i>For Dynamic Damper, Add</i>	13.83	
			<i>For 3 Hour Rated, Add</i>	12.30	
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.58	11.25
			<i>For Dynamic Damper, Add</i>	22.66	
			<i>For 3 Hour Rated, Add</i>	20.15	
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.35	12.10
			<i>For Dynamic Damper, Add</i>	22.94	
			<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.96	13.29
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.72	14.13
			<i>For Dynamic Damper, Add</i>	23.49	
			<i>For 3 Hour Rated, Add</i>	20.88	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.04	15.49
			<i>For Dynamic Damper, Add</i>	24.19	
			<i>For 3 Hour Rated, Add</i>	21.50	
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.34	16.92
			<i>For Dynamic Damper, Add</i>	24.88	
			<i>For 3 Hour Rated, Add</i>	22.11	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.50	11.85
			<i>For Dynamic Damper, Add</i>	22.94	
			<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.88	12.69
			<i>For Dynamic Damper, Add</i>	23.36	
			<i>For 3 Hour Rated, Add</i>	20.76	
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.97	14.13
			<i>For Dynamic Damper, Add</i>	23.77	
			<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.27	15.49
			<i>For Dynamic Damper, Add</i>	24.46	
			<i>For 3 Hour Rated, Add</i>	21.75	
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.95	16.92
			<i>For Dynamic Damper, Add</i>	25.02	
			<i>For 3 Hour Rated, Add</i>	22.24	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.27	18.28
			<i>For Dynamic Damper, Add</i>	25.71	
			<i>For 3 Hour Rated, Add</i>	22.85	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.34	19.72
			<i>For Dynamic Damper, Add</i>	26.12	
			<i>For 3 Hour Rated, Add</i>	23.22	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.27	12.69
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0203 EA 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	147.96 23.77 21.13	14.13
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	154.65 24.32 21.62	15.49
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	163.81 25.43 22.61	16.92
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	169.89 25.85 22.98	18.28
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	175.96 26.26 23.35	19.72
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	182.65 26.82 23.84	21.16
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	189.34 27.37 24.33	22.51
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	185.01 32.11 28.54	14.13
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	192.94 32.94 29.28	15.49
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	199.64 33.50 29.77	16.92
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	207.57 34.33 30.51	18.28
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	213.63 34.74 30.88	19.72
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	219.71 35.15 31.25	21.16
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	227.63 35.98 31.99	22.51
23 33 13 19-0217 EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	239.78 36.81 32.72	25.38
23 33 13 19-0218 EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.16 37.92 33.71	28.18
23 33 13 19-0219 EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	192.94 32.94 29.28	15.49
23 33 13 19-0220 EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	199.64 33.50 29.77	16.92
23 33 13 19-0221 EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	207.57 34.33 30.51	18.28
23 33 13 19-0222 EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	214.24 34.88 31.00	19.72
23 33 13 19-0223 EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	221.55 35.57 31.62	21.16
23 33 13 19-0224 EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	228.85 36.26 32.23	22.51
23 33 13 19-0225 EA 28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	241.00 37.09 32.97	25.38
23 33 13 19-0226 EA 28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.16 37.92 33.71	28.18
23 33 13 19-0227 EA 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.78 39.58 35.18	29.62
23 33 13 19-0228 EA 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	279.38 40.97 36.41	32.41
23 33 13 19-0229 EA 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	203.33 34.33 30.51	16.92
23 33 13 19-0230 EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	208.78 34.60 30.75	18.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.24	19.72
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.93	21.16
			<i>For Dynamic Damper, Add</i>	35.43	
			<i>For 3 Hour Rated, Add</i>	31.49	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.09	22.51
			<i>For Dynamic Damper, Add</i>	36.31	
			<i>For 3 Hour Rated, Add</i>	32.28	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.00	25.38
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.39	28.18
			<i>For Dynamic Damper, Add</i>	38.20	
			<i>For 3 Hour Rated, Add</i>	33.95	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.78	30.97
			<i>For Dynamic Damper, Add</i>	39.31	
			<i>For 3 Hour Rated, Add</i>	34.94	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.38	32.41
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.77	34.69
			<i>For Dynamic Damper, Add</i>	42.91	
			<i>For 3 Hour Rated, Add</i>	38.14	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.53	36.64
			<i>For Dynamic Damper, Add</i>	45.12	
			<i>For 3 Hour Rated, Add</i>	40.10	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.36	18.28
			<i>For Dynamic Damper, Add</i>	35.63	
			<i>For 3 Hour Rated, Add</i>	31.67	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.15	19.72
			<i>For Dynamic Damper, Add</i>	36.21	
			<i>For 3 Hour Rated, Add</i>	32.18	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.96	21.16
			<i>For Dynamic Damper, Add</i>	36.79	
			<i>For 3 Hour Rated, Add</i>	32.70	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.06	22.51
			<i>For Dynamic Damper, Add</i>	37.66	
			<i>For 3 Hour Rated, Add</i>	33.47	
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.47	25.38
			<i>For Dynamic Damper, Add</i>	38.09	
			<i>For 3 Hour Rated, Add</i>	33.86	
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.63	26.74
			<i>For Dynamic Damper, Add</i>	38.53	
			<i>For 3 Hour Rated, Add</i>	34.25	
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.76	30.97
			<i>For Dynamic Damper, Add</i>	39.98	
			<i>For 3 Hour Rated, Add</i>	35.54	
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.66	33.85
			<i>For Dynamic Damper, Add</i>	41.42	
			<i>For 3 Hour Rated, Add</i>	36.82	
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.78	34.95
			<i>For Dynamic Damper, Add</i>	43.17	
			<i>For 3 Hour Rated, Add</i>	38.37	
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.70	37.48
			<i>For Dynamic Damper, Add</i>	45.48	
			<i>For 3 Hour Rated, Add</i>	40.43	
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.64	39.44
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.19	40.87
			<i>For Dynamic Damper, Add</i>	49.83	
			<i>For 3 Hour Rated, Add</i>	44.30	
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.73	21.16
			<i>For Dynamic Damper, Add</i>	41.96	
			<i>For 3 Hour Rated, Add</i>	37.30	
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.12	22.51
			<i>For Dynamic Damper, Add</i>	43.12	
			<i>For 3 Hour Rated, Add</i>	38.33	
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.64	23.95
			<i>For Dynamic Damper, Add</i>	43.41	
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.16	25.38
			<i>For Dynamic Damper, Add</i>	43.70	
			<i>For 3 Hour Rated, Add</i>	38.85	
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.14	26.74
			<i>For Dynamic Damper, Add</i>	44.72	
			<i>For 3 Hour Rated, Add</i>	39.75	
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.88	28.18
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.72	32.41
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.35 48.05 42.71	35.20
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	333.85 49.79 44.26	37.48
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	353.94 52.98 47.09	39.44
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	368.43 54.72 48.64	41.72
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	385.99 57.91 51.47	42.82
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.66 60.81 54.05	45.10
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	252.55 42.54 37.82	21.16
23 33 13 19-0266 EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.93 43.70 38.85	22.51
23 33 13 19-0267 EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	270.04 44.57 39.62	23.95
23 33 13 19-0268 EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	275.56 44.87 39.88	25.38
23 33 13 19-0269 EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	284.94 46.02 40.91	26.74
23 33 13 19-0270 EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	294.32 47.18 41.94	28.18
23 33 13 19-0271 EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	317.70 48.63 43.23	33.85
23 33 13 19-0272 EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	332.59 50.08 44.52	36.64
23 33 13 19-0273 EA 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	353.94 52.98 47.09	39.44
23 33 13 19-0274 EA 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	374.00 55.59 49.41	42.31
23 33 13 19-0275 EA 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	395.34 58.49 51.99	45.10
23 33 13 19-0276 EA 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	411.16 61.10 54.31	46.46
23 33 13 19-0277 EA 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	427.00 63.71 56.63	47.90
23 33 13 19-0278 EA 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	442.83 66.32 58.95	49.34
23 33 13 19-0279 EA 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	260.64 43.41 38.59	22.51
23 33 13 19-0280 EA 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	270.04 44.57 39.62	23.95
23 33 13 19-0281 EA 48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	275.56 44.87 39.88	25.38
23 33 13 19-0282 EA 48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	287.88 45.73 40.65	28.18
23 33 13 19-0283 EA 48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	301.49 46.89 41.68	30.97
23 33 13 19-0284 EA 48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	315.12 48.05 42.71	33.85
23 33 13 19-0285 EA 48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.31 49.79 44.26	36.64
23 33 13 19-0286 EA 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	347.49 51.53 45.80	39.44

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.55	42.31
			<i>For Dynamic Damper, Add</i>	54.14	
			<i>For 3 Hour Rated, Add</i>	48.12	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.19	45.10
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.02	46.46
			<i>For Dynamic Damper, Add</i>	59.94	
			<i>For 3 Hour Rated, Add</i>	53.28	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.71	47.90
			<i>For Dynamic Damper, Add</i>	63.42	
			<i>For 3 Hour Rated, Add</i>	56.37	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.77	50.69
			<i>For Dynamic Damper, Add</i>	66.03	
			<i>For 3 Hour Rated, Add</i>	58.69	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.46	52.13
			<i>For Dynamic Damper, Add</i>	69.50	
			<i>For 3 Hour Rated, Add</i>	61.78	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.47	56.36
			<i>For Dynamic Damper, Add</i>	71.82	
			<i>For 3 Hour Rated, Add</i>	63.84	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.75	23.95
			<i>For Dynamic Damper, Add</i>	44.28	
			<i>For 3 Hour Rated, Add</i>	39.36	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.13	25.38
			<i>For Dynamic Damper, Add</i>	45.44	
			<i>For 3 Hour Rated, Add</i>	40.39	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.74	28.18
			<i>For Dynamic Damper, Add</i>	46.60	
			<i>For 3 Hour Rated, Add</i>	41.42	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.49	30.97
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.77	33.85
			<i>For Dynamic Damper, Add</i>	48.20	
			<i>For 3 Hour Rated, Add</i>	42.84	
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.02	36.64
			<i>For Dynamic Damper, Add</i>	49.50	
			<i>For 3 Hour Rated, Add</i>	44.00	
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.21	39.44
			<i>For Dynamic Damper, Add</i>	51.24	
			<i>For 3 Hour Rated, Add</i>	45.55	
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.40	42.31
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.47	45.10
			<i>For Dynamic Damper, Add</i>	55.59	
			<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.38	47.90
			<i>For Dynamic Damper, Add</i>	59.07	
			<i>For 3 Hour Rated, Add</i>	52.50	
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.49	49.34
			<i>For Dynamic Damper, Add</i>	61.97	
			<i>For 3 Hour Rated, Add</i>	55.08	
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.48	50.69
			<i>For Dynamic Damper, Add</i>	65.74	
			<i>For 3 Hour Rated, Add</i>	58.43	
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.39	53.57
			<i>For Dynamic Damper, Add</i>	69.21	
			<i>For 3 Hour Rated, Add</i>	61.52	
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.47	56.36
			<i>For Dynamic Damper, Add</i>	71.82	
			<i>For 3 Hour Rated, Add</i>	63.84	
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.62	60.59
			<i>For Dynamic Damper, Add</i>	75.30	
			<i>For 3 Hour Rated, Add</i>	66.94	
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.97	63.38
			<i>For Dynamic Damper, Add</i>	78.20	
			<i>For 3 Hour Rated, Add</i>	69.51	
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.56	25.38
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.45	28.18
			<i>For Dynamic Damper, Add</i>	46.31	
			<i>For 3 Hour Rated, Add</i>	41.17	
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.78	30.97
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.53	33.85
			<i>For Dynamic Damper, Add</i>	47.47	
			<i>For 3 Hour Rated, Add</i>	42.20	
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.09	36.64
			<i>For Dynamic Damper, Add</i>	49.07	
			<i>For 3 Hour Rated, Add</i>	43.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0315 EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	343.63 50.66 45.03	39.44
23 33 13 19-0316 EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	359.18 52.26 46.45	42.31
23 33 13 19-0317 EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	374.73 53.85 47.87	45.10
23 33 13 19-0318 EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	398.65 57.33 50.96	47.90
23 33 13 19-0319 EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	418.35 60.81 54.05	49.34
23 33 13 19-0320 EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	436.75 64.00 56.89	50.69
23 33 13 19-0321 EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	463.25 68.06 60.49	53.57
23 33 13 19-0322 EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	487.18 71.53 63.59	56.36
23 33 13 19-0323 EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	512.39 75.30 66.94	59.15
23 33 13 19-0324 EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	533.74 78.20 69.51	62.03
23 33 13 19-0325 EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	558.95 81.97 72.86	64.82
23 33 13 19-0326 EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	584.17 85.74 76.21	67.62
23 33 13 19-0327 EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	287.88 45.73 40.65	28.18
23 33 13 19-0328 EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.78 47.18 41.94	30.97
23 33 13 19-0329 EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	313.82 47.76 42.45	33.85
23 33 13 19-0330 EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	323.58 48.05 42.71	36.64
23 33 13 19-0331 EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	339.77 49.79 44.26	39.44
23 33 13 19-0332 EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	355.95 51.53 45.80	42.31
23 33 13 19-0333 EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	372.80 53.42 47.48	45.10
23 33 13 19-0334 EA 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.63 55.30 49.15	47.90
23 33 13 19-0335 EA 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	410.61 59.07 52.50	49.34
23 33 13 19-0336 EA 60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	430.30 62.55 55.60	50.69
23 33 13 19-0337 EA 60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	455.52 66.32 58.95	53.57
23 33 13 19-0338 EA 60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	480.74 70.09 62.30	56.36
23 33 13 19-0339 EA 60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	502.08 72.98 64.87	59.15
23 33 13 19-0340 EA 60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	531.15 77.62 69.00	62.03
23 33 13 19-0341 EA 60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	557.65 81.68 72.60	64.82
23 33 13 19-0342 EA 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	584.17 85.74 76.21	67.62

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0343 EA 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	608.06	70.49
For Dynamic Damper, Add	89.21	
For 3 Hour Rated, Add	79.30	
23 33 13 19-0344 EA 60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.01	73.28
For Dynamic Damper, Add	92.70	
For 3 Hour Rated, Add	82.40	

23 33 13 23 Backdraft Dampers (23 33 13)**23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002 EA 6" x 6" Horizontally Mounted Backdraft Damper	50.63	9.39
23 33 13 23-0003 EA 8" x 6" Horizontally Mounted Backdraft Damper	59.37	9.81
23 33 13 23-0004 EA 8" x 8" Horizontally Mounted Backdraft Damper	69.52	9.90
23 33 13 23-0005 EA 10" x 6" Horizontally Mounted Backdraft Damper	67.03	9.90
23 33 13 23-0006 EA 10" x 8" Horizontally Mounted Backdraft Damper	64.91	10.16
23 33 13 23-0007 EA 10" x 10" Horizontally Mounted Backdraft Damper	76.90	11.25
23 33 13 23-0008 EA 12" x 6" Horizontally Mounted Backdraft Damper	61.47	10.16
23 33 13 23-0009 EA 12" x 8" Horizontally Mounted Backdraft Damper	75.18	11.25
23 33 13 23-0010 EA 12" x 10" Horizontally Mounted Backdraft Damper	73.16	11.85
23 33 13 23-0011 EA 12" x 12" Horizontally Mounted Backdraft Damper	83.23	12.69
23 33 13 23-0012 EA 14" x 6" Horizontally Mounted Backdraft Damper	68.32	10.75
23 33 13 23-0013 EA 14" x 8" Horizontally Mounted Backdraft Damper	70.65	11.85
23 33 13 23-0014 EA 14" x 10" Horizontally Mounted Backdraft Damper	81.98	12.69
23 33 13 23-0015 EA 14" x 12" Horizontally Mounted Backdraft Damper	76.08	14.13
23 33 13 23-0016 EA 14" x 14" Horizontally Mounted Backdraft Damper	85.94	15.49
23 33 13 23-0017 EA 16" x 6" Horizontally Mounted Backdraft Damper	75.18	11.25
23 33 13 23-0018 EA 16" x 8" Horizontally Mounted Backdraft Damper	78.21	12.69
23 33 13 23-0019 EA 16" x 10" Horizontally Mounted Backdraft Damper	74.47	14.13
23 33 13 23-0020 EA 16" x 12" Horizontally Mounted Backdraft Damper	80.90	14.13
23 33 13 23-0021 EA 16" x 14" Horizontally Mounted Backdraft Damper	91.56	15.49
23 33 13 23-0022 EA 16" x 16" Horizontally Mounted Backdraft Damper	102.22	16.92
23 33 13 23-0023 EA 18" x 6" Horizontally Mounted Backdraft Damper	69.40	11.85
23 33 13 23-0024 EA 18" x 8" Horizontally Mounted Backdraft Damper	67.02	12.69
23 33 13 23-0025 EA 18" x 10" Horizontally Mounted Backdraft Damper	78.48	14.13
23 33 13 23-0026 EA 18" x 12" Horizontally Mounted Backdraft Damper	89.95	15.49
23 33 13 23-0027 EA 18" x 14" Horizontally Mounted Backdraft Damper	101.41	16.92
23 33 13 23-0028 EA 18" x 16" Horizontally Mounted Backdraft Damper	114.74	18.28
23 33 13 23-0029 EA 18" x 18" Horizontally Mounted Backdraft Damper	130.67	21.16
23 33 13 23-0030 EA 18" x 20" Horizontally Mounted Backdraft Damper	112.99	22.51
23 33 13 23-0031 EA 18" x 24" Horizontally Mounted Backdraft Damper	130.50	25.38
23 33 13 23-0032 EA 20" x 6" Horizontally Mounted Backdraft Damper	75.70	12.69
23 33 13 23-0033 EA 20" x 8" Horizontally Mounted Backdraft Damper	74.47	14.13
23 33 13 23-0034 EA 20" x 10" Horizontally Mounted Backdraft Damper	86.73	15.49
23 33 13 23-0035 EA 20" x 12" Horizontally Mounted Backdraft Damper	99.01	16.92
23 33 13 23-0036 EA 20" x 14" Horizontally Mounted Backdraft Damper	113.09	18.28
23 33 13 23-0037 EA 20" x 16" Horizontally Mounted Backdraft Damper	125.60	19.72
23 33 13 23-0038 EA 20" x 18" Horizontally Mounted Backdraft Damper	112.99	22.51
23 33 13 23-0039 EA 20" x 20" Horizontally Mounted Backdraft Damper	118.02	22.51
23 33 13 23-0040 EA 20" x 24" Horizontally Mounted Backdraft Damper	136.54	25.38
23 33 13 23-0041 EA 20" x 28" Horizontally Mounted Backdraft Damper	155.05	28.18
23 33 13 23-0042 EA 20" x 32" Horizontally Mounted Backdraft Damper	150.58	30.97
23 33 13 23-0043 EA 20" x 36" Horizontally Mounted Backdraft Damper	166.23	33.85
23 33 13 23-0044 EA 24" x 6" Horizontally Mounted Backdraft Damper	71.25	14.13
23 33 13 23-0045 EA 24" x 8" Horizontally Mounted Backdraft Damper	85.13	15.49
23 33 13 23-0046 EA 24" x 10" Horizontally Mounted Backdraft Damper	99.01	16.92
23 33 13 23-0047 EA 24" x 12" Horizontally Mounted Backdraft Damper	114.74	18.28
23 33 13 23-0048 EA 24" x 14" Horizontally Mounted Backdraft Damper	105.73	21.16
23 33 13 23-0049 EA 24" x 16" Horizontally Mounted Backdraft Damper	116.00	22.51
23 33 13 23-0050 EA 24" x 18" Horizontally Mounted Backdraft Damper	130.50	25.38
23 33 13 23-0051 EA 24" x 20" Horizontally Mounted Backdraft Damper	136.54	25.38
23 33 13 23-0052 EA 24" x 24" Horizontally Mounted Backdraft Damper	157.07	28.18
23 33 13 23-0053 EA 24" x 28" Horizontally Mounted Backdraft Damper	153.44	30.97
23 33 13 23-0054 EA 24" x 32" Horizontally Mounted Backdraft Damper	170.55	33.85
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper	187.63	36.64
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper	187.47	39.44
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper	202.82	42.31
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper	209.72	42.31
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper	76.08	14.13
23 33 13 23-0060 EA 28" x 8" Horizontally Mounted Backdraft Damper	91.56	15.49
23 33 13 23-0061 EA 28" x 10" Horizontally Mounted Backdraft Damper	113.09	18.28
23 33 13 23-0062 EA 28" x 12" Horizontally Mounted Backdraft Damper	105.73	21.16
23 33 13 23-0063 EA 28" x 14" Horizontally Mounted Backdraft Damper	117.01	22.51
23 33 13 23-0064 EA 28" x 16" Horizontally Mounted Backdraft Damper	132.51	25.38
23 33 13 23-0065 EA 28" x 18" Horizontally Mounted Backdraft Damper	148.02	28.18
23 33 13 23-0066 EA 28" x 20" Horizontally Mounted Backdraft Damper	155.05	28.18
23 33 13 23-0067 EA 28" x 24" Horizontally Mounted Backdraft Damper	153.44	30.97
23 33 13 23-0068 EA 28" x 28" Horizontally Mounted Backdraft Damper	171.98	33.85
23 33 13 23-0069 EA 28" x 32" Horizontally Mounted Backdraft Damper	190.50	36.64
23 33 13 23-0070 EA 28" x 36" Horizontally Mounted Backdraft Damper	199.37	42.31
23 33 13 23-0071 EA 28" x 40" Horizontally Mounted Backdraft Damper	207.42	42.31



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
Air Duct Accessories	23 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0072 EA 28" x 44" Horizontally Mounted Backdraft Damper.....	223.94	45.10
23 33 13 23-0073 EA 28" x 48" Horizontally Mounted Backdraft Damper.....	240.45	47.90
23 33 13 23-0074 EA 28" x 52" Horizontally Mounted Backdraft Damper.....	248.50	47.90
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper.....	250.93	50.69
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper.....	257.96	50.69
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper.....	85.13	15.49
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper.....	108.11	18.28
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper.....	125.60	19.72
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper.....	116.00	22.51
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper.....	132.51	25.38
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper.....	149.02	28.18
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper.....	136.36	28.18
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper.....	150.58	30.97
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper.....	170.55	33.85
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper.....	190.50	36.64
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper.....	200.52	42.31
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper.....	209.72	42.31
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper.....	227.39	45.10
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper.....	245.05	47.90
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper.....	248.91	50.69
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper.....	256.96	50.69
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper.....	273.47	53.57
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper.....	281.52	53.57
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper.....	279.64	56.36
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper.....	286.53	56.36
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper.....	301.89	59.15
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper.....	89.95	15.49
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper.....	118.96	19.72
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper.....	112.99	22.51
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper.....	130.50	25.38
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper.....	148.02	28.18
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper.....	136.36	28.18
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper.....	151.29	30.97
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper.....	166.23	33.85
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper.....	187.63	36.64
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper.....	199.37	42.31
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper.....	209.72	42.31
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper.....	228.54	45.10
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper.....	247.35	47.90
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper.....	251.92	50.69
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper.....	269.44	53.57
23 33 13 23-0113 EA 36" x 52" Horizontally Mounted Backdraft Damper.....	278.50	53.57
23 33 13 23-0114 EA 36" x 56" Horizontally Mounted Backdraft Damper.....	277.91	56.36
23 33 13 23-0115 EA 36" x 60" Horizontally Mounted Backdraft Damper.....	285.67	56.36
23 33 13 23-0116 EA 36" x 64" Horizontally Mounted Backdraft Damper.....	301.89	59.15
23 33 13 23-0117 EA 36" x 68" Horizontally Mounted Backdraft Damper.....	309.65	59.15
23 33 13 23-0118 EA 36" x 72" Horizontally Mounted Backdraft Damper.....	317.42	59.15
23 33 13 23-0119 EA 40" x 6" Horizontally Mounted Backdraft Damper.....	99.01	16.92
23 33 13 23-0120 EA 40" x 8" Horizontally Mounted Backdraft Damper.....	129.84	21.16
23 33 13 23-0121 EA 40" x 10" Horizontally Mounted Backdraft Damper.....	118.02	22.51
23 33 13 23-0122 EA 40" x 12" Horizontally Mounted Backdraft Damper.....	136.54	25.38
23 33 13 23-0123 EA 40" x 14" Horizontally Mounted Backdraft Damper.....	155.05	28.18
23 33 13 23-0124 EA 40" x 16" Horizontally Mounted Backdraft Damper.....	150.58	30.97
23 33 13 23-0125 EA 40" x 18" Horizontally Mounted Backdraft Damper.....	166.23	33.85
23 33 13 23-0126 EA 40" x 20" Horizontally Mounted Backdraft Damper.....	181.87	36.64
23 33 13 23-0127 EA 40" x 24" Horizontally Mounted Backdraft Damper.....	187.47	39.44
23 33 13 23-0128 EA 40" x 28" Horizontally Mounted Backdraft Damper.....	207.42	42.31
23 33 13 23-0129 EA 40" x 32" Horizontally Mounted Backdraft Damper.....	227.39	45.10
23 33 13 23-0130 EA 40" x 36" Horizontally Mounted Backdraft Damper.....	247.35	47.90
23 33 13 23-0131 EA 40" x 40" Horizontally Mounted Backdraft Damper.....	252.93	50.69
23 33 13 23-0132 EA 40" x 44" Horizontally Mounted Backdraft Damper.....	271.45	53.57
23 33 13 23-0133 EA 40" x 48" Horizontally Mounted Backdraft Damper.....	281.52	53.57
23 33 13 23-0134 EA 40" x 50" Horizontally Mounted Backdraft Damper.....	277.05	56.36
23 33 13 23-0135 EA 44" x 6" Horizontally Mounted Backdraft Damper.....	109.77	18.28
23 33 13 23-0136 EA 44" x 8" Horizontally Mounted Backdraft Damper.....	111.98	22.51
23 33 13 23-0137 EA 44" x 10" Horizontally Mounted Backdraft Damper.....	131.51	25.38
23 33 13 23-0138 EA 44" x 12" Horizontally Mounted Backdraft Damper.....	151.03	28.18
23 33 13 23-0139 EA 44" x 14" Horizontally Mounted Backdraft Damper.....	148.42	30.97
23 33 13 23-0140 EA 44" x 16" Horizontally Mounted Backdraft Damper.....	164.79	33.85
23 33 13 23-0141 EA 44" x 18" Horizontally Mounted Backdraft Damper.....	172.70	33.85
23 33 13 23-0142 EA 44" x 20" Horizontally Mounted Backdraft Damper.....	189.06	36.64
23 33 13 23-0143 EA 44" x 24" Horizontally Mounted Backdraft Damper.....	202.82	42.31
23 33 13 23-0144 EA 44" x 28" Horizontally Mounted Backdraft Damper.....	223.94	45.10
23 33 13 23-0145 EA 44" x 32" Horizontally Mounted Backdraft Damper.....	245.05	47.90
23 33 13 23-0146 EA 44" x 36" Horizontally Mounted Backdraft Damper.....	251.92	50.69
23 33 13 23-0147 EA 44" x 40" Horizontally Mounted Backdraft Damper.....	271.45	53.57
23 33 13 23-0148 EA 44" x 44" Horizontally Mounted Backdraft Damper.....	282.52	53.57
23 33 13 23-0149 EA 44" x 48" Horizontally Mounted Backdraft Damper.....	283.09	56.36
23 33 13 23-0150 EA 44" x 50" Horizontally Mounted Backdraft Damper.....	287.83	56.36
23 33 13 23-0151 EA 48" x 6" Horizontally Mounted Backdraft Damper.....	118.96	19.72
23 33 13 23-0152 EA 48" x 8" Horizontally Mounted Backdraft Damper.....	116.00	22.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 13 23-0153	EA		48" x 10" Horizontally Mounted Backdraft Damper	136.54	25.38
23 33 13 23-0154	EA		48" x 12" Horizontally Mounted Backdraft Damper	136.36	28.18
23 33 13 23-0155	EA		48" x 14" Horizontally Mounted Backdraft Damper	153.44	30.97
23 33 13 23-0156	EA		48" x 16" Horizontally Mounted Backdraft Damper	170.55	33.85
23 33 13 23-0157	EA		48" x 18" Horizontally Mounted Backdraft Damper	187.63	36.64
23 33 13 23-0158	EA		48" x 20" Horizontally Mounted Backdraft Damper	187.47	39.44
23 33 13 23-0159	EA		48" x 24" Horizontally Mounted Backdraft Damper	209.72	42.31
23 33 13 23-0160	EA		48" x 28" Horizontally Mounted Backdraft Damper	240.45	47.90
23 33 13 23-0161	EA		48" x 32" Horizontally Mounted Backdraft Damper	248.91	50.69
23 33 13 23-0162	EA		48" x 36" Horizontally Mounted Backdraft Damper	269.44	53.57
23 33 13 23-0163	EA		48" x 40" Horizontally Mounted Backdraft Damper	281.52	53.57
23 33 13 23-0164	EA		48" x 44" Horizontally Mounted Backdraft Damper	283.09	56.36
23 33 13 23-0165	EA		48" x 48" Horizontally Mounted Backdraft Damper	301.89	59.15
23 33 13 23-0166	EA		48" x 50" Horizontally Mounted Backdraft Damper	307.07	59.15
23 33 13 23-0167	EA		50" x 6" Horizontally Mounted Backdraft Damper	121.45	19.72
23 33 13 23-0168	EA		50" x 8" Horizontally Mounted Backdraft Damper	126.48	25.38
23 33 13 23-0169	EA		50" x 10" Horizontally Mounted Backdraft Damper	147.52	28.18
23 33 13 23-0170	EA		50" x 12" Horizontally Mounted Backdraft Damper	146.98	30.97
23 33 13 23-0171	EA		50" x 14" Horizontally Mounted Backdraft Damper	164.43	33.85
23 33 13 23-0172	EA		50" x 16" Horizontally Mounted Backdraft Damper	181.87	36.64
23 33 13 23-0173	EA		50" x 18" Horizontally Mounted Backdraft Damper	199.32	39.44
23 33 13 23-0174	EA		50" x 20" Horizontally Mounted Backdraft Damper	198.79	42.31
23 33 13 23-0175	EA		50" x 24" Horizontally Mounted Backdraft Damper	221.64	45.10
23 33 13 23-0176	EA		50" x 28" Horizontally Mounted Backdraft Damper	244.47	47.90
23 33 13 23-0177	EA		50" x 32" Horizontally Mounted Backdraft Damper	252.93	50.69
23 33 13 23-0178	EA		50" x 36" Horizontally Mounted Backdraft Damper	273.97	53.57
23 33 13 23-0179	EA		50" x 40" Horizontally Mounted Backdraft Damper	277.05	56.36
23 33 13 23-0180	EA		50" x 44" Horizontally Mounted Backdraft Damper	287.83	56.36
23 33 13 23-0181	EA		50" x 48" Horizontally Mounted Backdraft Damper	307.07	59.15
23 33 13 23-0182	EA		50" x 50" Horizontally Mounted Backdraft Damper	312.46	59.15

23 33 13 23-0183**Vertically Mounted Backdraft Damper** (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA		6" x 6" Vertically Mounted Backdraft Damper	54.03	9.39
23 33 13 23-0185	EA		8" x 6" Vertically Mounted Backdraft Damper	63.92	9.81
23 33 13 23-0186	EA		10" x 6" Vertically Mounted Backdraft Damper	65.53	9.90
23 33 13 23-0187	EA		8" x 8" Vertically Mounted Backdraft Damper	67.92	9.90
23 33 13 23-0188	EA		12" x 6" Vertically Mounted Backdraft Damper	73.56	10.16
23 33 13 23-0189	EA		10" x 8" Vertically Mounted Backdraft Damper	81.73	11.25
23 33 13 23-0190	EA		14" x 6" Vertically Mounted Backdraft Damper	80.74	10.16
23 33 13 23-0191	EA		12" x 8" Vertically Mounted Backdraft Damper	91.31	11.25
23 33 13 23-0192	EA		16" x 6" Vertically Mounted Backdraft Damper	93.00	11.85
23 33 13 23-0193	EA		10" x 10" Vertically Mounted Backdraft Damper	97.93	12.69
23 33 13 23-0194	EA		18" x 6" Vertically Mounted Backdraft Damper	79.41	10.75
23 33 13 23-0195	EA		14" x 8" Vertically Mounted Backdraft Damper	84.54	11.85
23 33 13 23-0196	EA		12" x 10" Vertically Mounted Backdraft Damper	90.58	12.69
23 33 13 23-0197	EA		20" x 6" Vertically Mounted Backdraft Damper	94.81	14.13
23 33 13 23-0198	EA		16" x 8" Vertically Mounted Backdraft Damper	102.54	15.49
23 33 13 23-0199	EA		14" x 10" Vertically Mounted Backdraft Damper	95.10	11.25
23 33 13 23-0200	EA		12" x 12" Vertically Mounted Backdraft Damper	101.08	12.69
23 33 13 23-0201	EA		18" x 8" Vertically Mounted Backdraft Damper	92.46	14.13
23 33 13 23-0202	EA		24" x 6" Vertically Mounted Backdraft Damper	92.46	14.13
23 33 13 23-0203	EA		16" x 10" Vertically Mounted Backdraft Damper	102.25	15.49
23 33 13 23-0204	EA		20" x 8" Vertically Mounted Backdraft Damper	106.48	16.92
23 33 13 23-0205	EA		14" x 12" Vertically Mounted Backdraft Damper	94.04	11.85
23 33 13 23-0206	EA		28" x 6" Vertically Mounted Backdraft Damper	96.58	12.69
23 33 13 23-0207	EA		18" x 10" Vertically Mounted Backdraft Damper	104.98	14.13
23 33 13 23-0208	EA		16" x 12" Vertically Mounted Backdraft Damper	113.39	15.49
23 33 13 23-0209	EA		24" x 8" Vertically Mounted Backdraft Damper	117.62	16.92
23 33 13 23-0210	EA		32" x 6" Vertically Mounted Backdraft Damper	121.86	18.28
23 33 13 23-0211	EA		14" x 14" Vertically Mounted Backdraft Damper	131.72	21.16
23 33 13 23-0212	EA		20" x 10" Vertically Mounted Backdraft Damper	132.51	22.51
23 33 13 23-0213	EA		18" x 12" Vertically Mounted Backdraft Damper	146.15	25.38
23 33 13 23-0214	EA		36" x 6" Vertically Mounted Backdraft Damper	108.07	12.69
23 33 13 23-0215	EA		16" x 14" Vertically Mounted Backdraft Damper	114.90	14.13
23 33 13 23-0216	EA		28" x 8" Vertically Mounted Backdraft Damper	119.13	15.49
23 33 13 23-0217	EA		20" x 12" Vertically Mounted Backdraft Damper	128.53	16.92
23 33 13 23-0218	EA		24" x 10" Vertically Mounted Backdraft Damper	132.77	18.28
23 33 13 23-0219	EA		40" x 6" Vertically Mounted Backdraft Damper	136.99	19.72
23 33 13 23-0220	EA		18" x 14" Vertically Mounted Backdraft Damper	149.36	22.51
23 33 13 23-0221	EA		16" x 16" Vertically Mounted Backdraft Damper	150.65	22.51
23 33 13 23-0222	EA		32" x 8" Vertically Mounted Backdraft Damper	159.11	25.38
23 33 13 23-0223	EA		44" x 6" Vertically Mounted Backdraft Damper	170.16	28.18
23 33 13 23-0224	EA		20" x 14" Vertically Mounted Backdraft Damper	183.81	30.97
23 33 13 23-0225	EA		28" x 10" Vertically Mounted Backdraft Damper	192.28	33.85
23 33 13 23-0226	EA		18" x 16" Vertically Mounted Backdraft Damper	135.63	14.13
23 33 13 23-0227	EA		24" x 12" Vertically Mounted Backdraft Damper	139.86	15.49
23 33 13 23-0228	EA		36" x 8" Vertically Mounted Backdraft Damper	144.09	16.92
23 33 13 23-0229	EA		48" x 6" Vertically Mounted Backdraft Damper	148.33	18.28
23 33 13 23-0230	EA		50" x 6" Vertically Mounted Backdraft Damper	160.68	21.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0231 EA 20" x 16" Vertically Mounted Backdraft Damper	171.39	22.51
23 33 13 23-0232 EA 32" x 10" Vertically Mounted Backdraft Damper	179.85	25.38
23 33 13 23-0233 EA 40" x 8" Vertically Mounted Backdraft Damper	179.85	25.38
23 33 13 23-0234 EA 18" x 18" Vertically Mounted Backdraft Damper	167.57	28.18
23 33 13 23-0235 EA 24" x 14" Vertically Mounted Backdraft Damper	164.51	30.97
23 33 13 23-0236 EA 28" x 12" Vertically Mounted Backdraft Damper	172.98	33.85
23 33 13 23-0237 EA 44" x 8" Vertically Mounted Backdraft Damper	184.84	36.64
23 33 13 23-0238 EA 18" x 20" Vertically Mounted Backdraft Damper	195.00	39.44
23 33 13 23-0239 EA 20" x 18" Vertically Mounted Backdraft Damper	203.46	42.31
23 33 13 23-0240 EA 36" x 10" Vertically Mounted Backdraft Damper	203.46	42.31
23 33 13 23-0241 EA 24" x 16" Vertically Mounted Backdraft Damper	123.95	14.13
23 33 13 23-0242 EA 32" x 12" Vertically Mounted Backdraft Damper	128.18	15.49
23 33 13 23-0243 EA 48" x 8" Vertically Mounted Backdraft Damper	136.65	18.28
23 33 13 23-0244 EA 28" x 14" Vertically Mounted Backdraft Damper	146.81	21.16
23 33 13 23-0245 EA 20" x 20" Vertically Mounted Backdraft Damper	152.74	22.51
23 33 13 23-0246 EA 40" x 10" Vertically Mounted Backdraft Damper	161.20	25.38
23 33 13 23-0247 EA 50" x 8" Vertically Mounted Backdraft Damper	169.66	28.18
23 33 13 23-0248 EA 18" x 24" Vertically Mounted Backdraft Damper	176.46	28.18
23 33 13 23-0249 EA 24" x 18" Vertically Mounted Backdraft Damper	184.92	30.97
23 33 13 23-0250 EA 36" x 12" Vertically Mounted Backdraft Damper	193.39	33.85
23 33 13 23-0251 EA 44" x 10" Vertically Mounted Backdraft Damper	203.55	36.64
23 33 13 23-0252 EA 28" x 16" Vertically Mounted Backdraft Damper	222.18	42.31
23 33 13 23-0253 EA 32" x 14" Vertically Mounted Backdraft Damper	222.18	42.31
23 33 13 23-0254 EA 20" x 24" Vertically Mounted Backdraft Damper	238.30	45.10
23 33 13 23-0255 EA 24" x 20" Vertically Mounted Backdraft Damper	231.09	47.90
23 33 13 23-0256 EA 40" x 12" Vertically Mounted Backdraft Damper	231.09	47.90
23 33 13 23-0257 EA 48" x 10" Vertically Mounted Backdraft Damper	239.55	50.69
23 33 13 23-0258 EA 50" x 10" Vertically Mounted Backdraft Damper	243.19	50.69
23 33 13 23-0259 EA 28" x 18" Vertically Mounted Backdraft Damper	138.13	15.49
23 33 13 23-0260 EA 36" x 14" Vertically Mounted Backdraft Damper	146.60	18.28
23 33 13 23-0261 EA 32" x 16" Vertically Mounted Backdraft Damper	152.28	19.72
23 33 13 23-0262 EA 44" x 12" Vertically Mounted Backdraft Damper	163.65	22.51
23 33 13 23-0263 EA 20" x 28" Vertically Mounted Backdraft Damper	177.93	25.38
23 33 13 23-0264 EA 28" x 20" Vertically Mounted Backdraft Damper	186.39	28.18
23 33 13 23-0265 EA 40" x 14" Vertically Mounted Backdraft Damper	186.39	28.18
23 33 13 23-0266 EA 24" x 24" Vertically Mounted Backdraft Damper	197.75	30.97
23 33 13 23-0267 EA 32" x 18" Vertically Mounted Backdraft Damper	206.22	33.85
23 33 13 23-0268 EA 36" x 16" Vertically Mounted Backdraft Damper	214.68	36.64
23 33 13 23-0269 EA 48" x 12" Vertically Mounted Backdraft Damper	231.60	42.31
23 33 13 23-0270 EA 50" x 12" Vertically Mounted Backdraft Damper	235.97	42.31
23 33 13 23-0271 EA 44" x 14" Vertically Mounted Backdraft Damper	247.35	45.10
23 33 13 23-0272 EA 20" x 32" Vertically Mounted Backdraft Damper	260.17	47.90
23 33 13 23-0273 EA 32" x 20" Vertically Mounted Backdraft Damper	268.63	50.69
23 33 13 23-0274 EA 40" x 16" Vertically Mounted Backdraft Damper	268.63	50.69
23 33 13 23-0275 EA 36" x 18" Vertically Mounted Backdraft Damper	278.54	53.57
23 33 13 23-0276 EA 24" x 28" Vertically Mounted Backdraft Damper	283.63	53.57
23 33 13 23-0277 EA 28" x 24" Vertically Mounted Backdraft Damper	281.57	56.36
23 33 13 23-0278 EA 48" x 14" Vertically Mounted Backdraft Damper	281.57	56.36
23 33 13 23-0279 EA 50" x 14" Vertically Mounted Backdraft Damper	294.71	59.15
23 33 13 23-0280 EA 44" x 16" Vertically Mounted Backdraft Damper	164.20	15.49
23 33 13 23-0281 EA 20" x 36" Vertically Mounted Backdraft Damper	179.57	19.72
23 33 13 23-0282 EA 36" x 20" Vertically Mounted Backdraft Damper	188.04	22.51
23 33 13 23-0283 EA 40" x 18" Vertically Mounted Backdraft Damper	196.50	25.38
23 33 13 23-0284 EA 24" x 32" Vertically Mounted Backdraft Damper	212.98	28.18
23 33 13 23-0285 EA 32" x 24" Vertically Mounted Backdraft Damper	212.98	28.18
23 33 13 23-0286 EA 48" x 16" Vertically Mounted Backdraft Damper	221.44	30.97
23 33 13 23-0287 EA 28" x 28" Vertically Mounted Backdraft Damper	232.59	33.85
23 33 13 23-0288 EA 44" x 18" Vertically Mounted Backdraft Damper	242.38	36.64
23 33 13 23-0289 EA 40" x 20" Vertically Mounted Backdraft Damper	260.64	42.31
23 33 13 23-0290 EA 50" x 16" Vertically Mounted Backdraft Damper	260.64	42.31
23 33 13 23-0291 EA 24" x 36" Vertically Mounted Backdraft Damper	279.81	45.10
23 33 13 23-0292 EA 36" x 24" Vertically Mounted Backdraft Damper	288.27	47.90
23 33 13 23-0293 EA 48" x 18" Vertically Mounted Backdraft Damper	296.73	50.69
23 33 13 23-0294 EA 44" x 20" Vertically Mounted Backdraft Damper	307.86	53.57
23 33 13 23-0295 EA 28" x 32" Vertically Mounted Backdraft Damper	310.54	53.57
23 33 13 23-0296 EA 32" x 28" Vertically Mounted Backdraft Damper	319.01	56.36
23 33 13 23-0297 EA 50" x 18" Vertically Mounted Backdraft Damper	319.67	56.36
23 33 13 23-0298 EA 24" x 40" Vertically Mounted Backdraft Damper	338.16	59.15
23 33 13 23-0299 EA 40" x 24" Vertically Mounted Backdraft Damper	338.16	59.15
23 33 13 23-0300 EA 48" x 20" Vertically Mounted Backdraft Damper	338.16	59.15
23 33 13 23-0301 EA 50" x 20" Vertically Mounted Backdraft Damper	217.91	16.92
23 33 13 23-0302 EA 28" x 36" Vertically Mounted Backdraft Damper	231.94	21.16
23 33 13 23-0303 EA 36" x 28" Vertically Mounted Backdraft Damper	236.17	22.51
23 33 13 23-0304 EA 32" x 32" Vertically Mounted Backdraft Damper	247.31	25.38
23 33 13 23-0305 EA 24" x 44" Vertically Mounted Backdraft Damper	242.04	28.18
23 33 13 23-0306 EA 44" x 24" Vertically Mounted Backdraft Damper	250.50	30.97
23 33 13 23-0307 EA 28" x 40" Vertically Mounted Backdraft Damper	268.50	33.85
23 33 13 23-0308 EA 40" x 28" Vertically Mounted Backdraft Damper	276.96	36.64
23 33 13 23-0309 EA 24" x 48" Vertically Mounted Backdraft Damper	290.20	39.44
23 33 13 23-0310 EA 32" x 36" Vertically Mounted Backdraft Damper	298.66	42.31
23 33 13 23-0311 EA 36" x 32" Vertically Mounted Backdraft Damper	307.13	45.10

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	315.59	47.90
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	331.20	50.69
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	344.42	53.57
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	344.42	53.57
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	360.06	56.36
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	245.82	18.28
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	260.89	22.51
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	276.50	25.38
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	284.96	28.18
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	301.77	30.97
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	311.43	33.85
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	311.43	33.85
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	325.26	36.64
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	320.12	42.31
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	330.73	45.10
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	349.92	47.90
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	358.38	50.69
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	371.14	53.57
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	373.29	53.57
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	381.76	56.36
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	383.90	56.36
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	273.88	19.72
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	290.94	22.51
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	301.54	25.38
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	316.45	28.18
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	324.91	30.97
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	337.67	33.85
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	346.13	36.64
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	358.88	39.44
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	341.58	42.31
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	367.10	47.90
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	381.28	50.69
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	389.74	53.57
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	389.74	53.57
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	400.12	56.36
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	416.22	59.15
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	416.22	59.15
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	299.64	19.72
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	320.39	25.38
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	336.48	28.18
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	344.94	30.97
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	359.14	33.85
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	369.51	36.64
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	348.03	39.44
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	356.49	42.31
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	375.81	45.10
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	384.27	47.90
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	392.73	50.69
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	411.20	53.57
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	419.67	56.36
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	424.68	56.36
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	438.57	59.15
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	448.17	59.15

23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	117.83	20.59
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	188.18	20.59

23 33 13 29 Barometric Dampers (23 33 13)

23 33 13 29-0001	EA	6" x 6" Barometric Damper	116.09	6.77
23 33 13 29-0002	EA	12" x 12" Barometric Damper	166.29	9.30
23 33 13 29-0003	EA	18" x 18" Barometric Damper	229.05	14.38
23 33 13 29-0004	EA	24" x 24" Barometric Damper	302.31	27.07
23 33 13 29-0005	EA	6" Diameter Barometric Damper	66.14	6.77
		<i>For Stainless Steel, Add</i>	51.84	
23 33 13 29-0006	EA	7" Diameter Barometric Damper	77.84	7.61
		<i>For Stainless Steel, Add</i>	61.59	
23 33 13 29-0007	EA	8" Diameter Barometric Damper	90.36	8.46
		<i>For Stainless Steel, Add</i>	71.42	
23 33 13 29-0008	EA	9" Diameter Barometric Damper	106.82	8.46
		<i>For Stainless Steel, Add</i>	90.48	
23 33 13 29-0009	EA	10" Diameter Barometric Damper	133.86	10.15
		<i>For Stainless Steel, Add</i>	123.27	
23 33 13 29-0010	EA	12" Diameter Barometric Damper	165.81	10.99
		<i>For Stainless Steel, Add</i>	158.99	
23 33 13 29-0011	EA	14" Diameter Barometric Damper	203.56	11.84
		<i>For Stainless Steel, Add</i>	202.76	
23 33 13 29-0012	EA	15" Diameter Barometric Damper	239.99	12.69
		<i>For Stainless Steel, Add</i>	243.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 29-0013 EA 16" Diameter Barometric Damper <i>For Stainless Steel, Add</i>	275.29 284.56	14.38
23 33 13 29-0014 EA 18" Diameter Barometric Damper <i>For Stainless Steel, Add</i>	353.36 380.19	15.23
23 33 13 29-0015 EA 20" Diameter Barometric Damper <i>For Stainless Steel, Add</i>	416.26 455.07	16.92
23 33 13 29-0016 EA 24" Diameter Barometric Damper <i>For Stainless Steel, Add</i>	494.60 552.99	16.92
23 33 13 29-0017 EA 30" Diameter Barometric Damper <i>For Stainless Steel, Add</i>	603.45 685.49	19.46
23 33 13 29-0018 EA 36" Diameter Barometric Damper <i>For Stainless Steel, Add</i>	758.10 881.34	20.31
 23 33 13 33 Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001 EA Splitter Damper, Hardware	25.76	5.92
 23 33 13 43 Blower Check Valve (23 33 13)		
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals	281.84	21.83
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals	314.21	24.88
23 33 13 43-0004 EA 4" Blower Check Valves, Silicone Seals	402.60	33.00
23 33 13 43-0005 EA 5" Blower Check Valves, Silicone Seals	563.46	38.08
23 33 13 43-0006 EA 6" Blower Check Valves, Silicone Seals	628.44	45.70
23 33 13 43-0007 EA 8" Blower Check Valves, Silicone Seals	946.48	57.89
 23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009 EA 2-1/2" Blower Check Valves, Viton Seats	397.74	21.83
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats	451.96	24.88
23 33 13 43-0011 EA 4" Blower Check Valves, Viton Seats	498.51	33.00
23 33 13 43-0012 EA 5" Blower Check Valves, Viton Seats	707.05	38.08
23 33 13 43-0013 EA 6" Blower Check Valves, Viton Seats	786.94	45.70
23 33 13 43-0014 EA 8" Blower Check Valves, Viton Seats	1,226.87	57.89
 23 33 19 Duct Sound Trap (23 33)		
23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	214.20	34.69
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	255.35	39.76
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	322.61	45.69
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	386.25	51.61
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	362.85	51.61
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	447.60	54.15
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	491.08	57.53
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	536.28	60.91
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	687.39	69.37
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	449.76	57.53
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	595.10	69.37
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,011.98	93.06
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,112.30	98.14
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,237.14	105.76
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,384.41	115.06
 23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	238.38	76.15
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	285.09	87.99
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	361.15	101.53
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	432.35	114.21
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	405.74	114.21
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	503.14	120.98
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	549.66	126.90
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	597.46	133.68
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	771.05	152.28
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	502.70	126.90
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	666.17	152.28
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,128.65	200.51
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,255.35	217.43
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,386.60	230.97
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,556.42	253.81
 23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034 EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	203.60	63.45
23 33 19 00-0035 EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	339.07	94.75
23 33 19 00-0036 EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	477.26	138.75
23 33 19 00-0037 EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	268.12	76.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0038 EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	328.92	87.99
23 33 19 00-0039 EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	433.16	101.53
23 33 19 00-0040 EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	504.01	109.14
23 33 19 00-0041 EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	548.93	117.60
23 33 19 00-0042 EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	676.46	126.90
23 33 19 00-0043 EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	791.90	138.75
23 33 19 00-0044 EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	483.18	117.60
23 33 19 00-0045 EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	657.31	122.67
23 33 19 00-0046 EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	712.46	126.90
23 33 19 00-0047 EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	772.78	133.68
23 33 19 00-0048 EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	952.61	143.83
23 33 19 00-0049 EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,030.90	152.28

23 33 23 Duct Turning Vanes (23 33)**23 33 23 00-0001 Duct Turning Vane Components (23 33 23)**

23 33 23 00-0002 LF Duct Turning Vane Rail.....	5.88	2.11
<i>For Stainless Steel, Add</i>	1.94	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane.....	3.99	0.85
<i>For Stainless Steel, Add</i>	2.91	

23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets.....	14.25	3.17
<i>For Stainless Steel, Add</i>	13.36	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets.....	17.23	3.38
<i>For Stainless Steel, Add</i>	16.90	
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets.....	22.68	3.55
<i>For Stainless Steel, Add</i>	23.66	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets.....	28.16	3.81
<i>For Stainless Steel, Add</i>	30.42	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets.....	31.07	4.06
<i>For Stainless Steel, Add</i>	33.80	
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets.....	38.56	3.81
<i>For Stainless Steel, Add</i>	43.95	
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets.....	47.25	4.48
<i>For Stainless Steel, Add</i>	54.09	
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets.....	50.60	4.69
<i>For Stainless Steel, Add</i>	58.16	
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets.....	56.19	4.87
<i>For Stainless Steel, Add</i>	65.13	

23 33 33 Duct-Mounting Access Doors (23 33)**23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)**

23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication.....	64.73	11.84
<i>For Stainless Steel, Add</i>	34.28	
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication.....	68.33	11.84
<i>For Stainless Steel, Add</i>	41.48	
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication.....	70.09	11.84
<i>For Stainless Steel, Add</i>	45.00	
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication.....	90.29	14.38
<i>For Stainless Steel, Add</i>	63.44	
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication.....	91.01	14.38
<i>For Stainless Steel, Add</i>	64.88	
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication.....	113.48	19.46
<i>For Stainless Steel, Add</i>	74.66	
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication.....	135.38	23.69
<i>For Stainless Steel, Add</i>	80.40	
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication.....	176.26	32.15
<i>For Stainless Steel, Add</i>	98.72	

23 33 43 Flexible Duct Connectors (23 33)

23 33 43 00-0001 LF Flex Duct Connector, Fabric/Sheet Metal.....	9.88	2.54
23 33 43 00-0002 LF Flex Duct Connector, Rubber Vinyl.....	9.63	2.29

23 33 46 Flexible Ducts (23 33)**23 33 46 00-0001 Flexible Duct, R4.2 Insulated With Metallized Outer Jacket (23 33 46)**

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002 LF 4" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	5.99	0.85
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	6.67	1.69
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	7.79	1.69
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	9.03	1.69
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	10.77	2.54
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	13.62	2.54
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	18.32	3.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	22.36	3.38
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	28.61	4.23
23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	36.16	5.07
<i>For Stainless Steel, Add</i>	22.26	
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	39.10	5.92
<i>For Stainless Steel, Add</i>	22.54	
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	44.51	5.92
<i>For Stainless Steel, Add</i>	24.87	
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	50.20	7.61
<i>For Stainless Steel, Add</i>	25.66	
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	60.36	9.30
<i>For Stainless Steel, Add</i>	28.98	
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	70.99	10.99
<i>For Stainless Steel, Add</i>	35.72	
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	80.37	12.69
<i>For Stainless Steel, Add</i>	38.49	
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	95.46	14.38
<i>For Stainless Steel, Add</i>	48.20	
23 33 46 00-0020 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	104.02	16.08
<i>For Stainless Steel, Add</i>	52.74	
23 33 53 Duct Liners (23 33)		
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)		
23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.44	2.44
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.34	2.44
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.27	3.25
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.60	3.25
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.22	3.65
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.73	2.54
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.57	2.54
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.46	3.38
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.53	3.38
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.98	3.81
23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)		
23 33 53 00-0013 SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	4.53	2.03
23 33 53 00-0014 SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	5.17	2.29
23 33 53 00-0015 SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	5.70	2.29
23 33 53 00-0016 SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	6.44	2.29
23 33 53 00-0017 SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	6.29	2.54
23 33 53 00-0018 SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	6.84	2.79
23 33 53 00-0019 SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	8.42	2.79
23 33 56 Duct Air Extractors (23 33)		
23 33 56 00-0001 EA 12" x 4" Duct Air Extractor	50.10	13.95
<i>For Stainless Steel, Add</i>	28.83	
23 33 56 00-0002 EA 8" x 6" Duct Air Extractor	52.64	15.23
<i>For Stainless Steel, Add</i>	28.83	
23 33 56 00-0003 EA 12" x 6" Duct Air Extractor	62.83	16.08
<i>For Stainless Steel, Add</i>	39.88	
23 33 56 00-0004 EA 16" x 6" Duct Air Extractor	72.76	16.92
<i>For Stainless Steel, Add</i>	50.60	
23 33 56 00-0005 EA 24" x 6" Duct Air Extractor	101.48	18.62
<i>For Stainless Steel, Add</i>	83.54	
23 33 56 00-0006 EA 12" x 8" Duct Air Extractor	68.23	16.92
<i>For Stainless Steel, Add</i>	44.71	
23 33 56 00-0007 EA 20" x 8" Duct Air Extractor	92.08	21.15
<i>For Stainless Steel, Add</i>	64.71	
23 33 56 00-0008 EA 18" x 10" Duct Air Extractor	97.11	24.10
<i>For Stainless Steel, Add</i>	63.54	
23 33 56 00-0009 EA 24" x 10" Duct Air Extractor	120.04	28.33
<i>For Stainless Steel, Add</i>	82.37	
23 33 56 00-0010 EA 24" x 12" Duct Air Extractor	135.56	33.84
<i>For Stainless Steel, Add</i>	88.24	
23 33 56 00-0011 EA 30" x 12" Duct Air Extractor	169.68	42.30
<i>For Stainless Steel, Add</i>	110.60	
23 33 59 Duct Pressure Relief Doors (23 33)		
23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)		
23 33 59 00-0002 EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	630.99	25.38
23 33 59 00-0003 EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	518.76	21.15
23 33 59 00-0004 EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	516.63	23.27

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST23 34 HVAC Fans (23 30)**23 34 13 Axial HVAC Fans (23 34)**23 34 13 00-0001 Tube-Axial Fans (23 34 13)23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans, Constant Speed (23 34 13 00-0001)

Note: 1/8" static pressure.

23 34 13 00-0003	EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	1,129.83	259.45
	For 1/4" Static Pressure, Add	48.83	
	For 3/8" Static Pressure, Add	97.67	
	For 1/2" Static Pressure, Add	134.29	
23 34 13 00-0004	EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	1,173.43	260.23
	For 1/4" Static Pressure, Add	52.32	
	For 3/8" Static Pressure, Add	104.64	
	For 1/2" Static Pressure, Add	143.88	
23 34 13 00-0005	EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	1,260.63	259.45
	For 1/4" Static Pressure, Add	59.30	
	For 3/8" Static Pressure, Add	118.59	
	For 1/2" Static Pressure, Add	163.07	
23 34 13 00-0006	EA 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	1,347.83	260.23
	For 1/4" Static Pressure, Add	66.27	
	For 3/8" Static Pressure, Add	132.55	
	For 1/2" Static Pressure, Add	182.25	
23 34 13 00-0007	EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	1,582.52	311.65
	For 1/4" Static Pressure, Add	76.74	
	For 3/8" Static Pressure, Add	153.48	
	For 1/2" Static Pressure, Add	211.03	
23 34 13 00-0008	EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	1,811.12	338.92
	For 1/4" Static Pressure, Add	90.69	
	For 3/8" Static Pressure, Add	181.38	
	For 1/2" Static Pressure, Add	249.40	
23 34 13 00-0009	EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	1,919.24	370.86
	For 1/4" Static Pressure, Add	94.18	
	For 3/8" Static Pressure, Add	188.36	
	For 1/2" Static Pressure, Add	258.99	
23 34 13 00-0010	EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	2,174.34	389.56
	For 1/4" Static Pressure, Add	111.62	
	For 3/8" Static Pressure, Add	223.24	
	For 1/2" Static Pressure, Add	306.95	
23 34 13 00-0011	EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	2,630.74	486.96
	For 1/4" Static Pressure, Add	132.55	
	For 3/8" Static Pressure, Add	265.09	
	For 1/2" Static Pressure, Add	364.50	
23 34 13 00-0012	EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	2,957.26	519.67
	For 1/4" Static Pressure, Add	153.47	
	For 3/8" Static Pressure, Add	306.95	
	For 1/2" Static Pressure, Add	422.05	
23 34 13 00-0013	EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	3,465.89	599.15
	For 1/4" Static Pressure, Add	181.38	
	For 3/8" Static Pressure, Add	362.76	
	For 1/2" Static Pressure, Add	498.79	

23 34 13 00-0014 Belt Drive Fan At 1/8" static pressure (23 34 13 00-0001)

23 34 13 00-0015	EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,073.72	251.66
	For 1/4" Static Pressure, Add	45.68	
	For 3/8" Static Pressure, Add	91.37	
	For 1/2" Static Pressure, Add	125.63	
23 34 13 00-0016	EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,135.57	260.23
	For 1/4" Static Pressure, Add	49.29	
	For 3/8" Static Pressure, Add	98.58	
	For 1/2" Static Pressure, Add	135.55	
23 34 13 00-0017	EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,173.51	268.80
	For 1/4" Static Pressure, Add	50.89	
	For 3/8" Static Pressure, Add	101.79	
	For 1/2" Static Pressure, Add	139.96	
23 34 13 00-0018	EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,239.45	278.15
	For 1/4" Static Pressure, Add	54.64	
	For 3/8" Static Pressure, Add	109.27	
	For 1/2" Static Pressure, Add	150.25	
23 34 13 00-0019	EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,386.97	289.05
	For 1/4" Static Pressure, Add	64.79	
	For 3/8" Static Pressure, Add	129.57	
	For 1/2" Static Pressure, Add	178.16	
23 34 13 00-0020	EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,460.93	299.96
	For 1/4" Static Pressure, Add	68.93	
	For 3/8" Static Pressure, Add	137.86	
	For 1/2" Static Pressure, Add	189.55	
23 34 13 00-0021	EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,625.16	311.65
	For 1/4" Static Pressure, Add	80.15	
	For 3/8" Static Pressure, Add	160.30	
	For 1/2" Static Pressure, Add	220.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	1,815.99	311.65
For 1/4" Static Pressure, Add	95.50	
For 3/8" Static Pressure, Add	190.99	
For 1/2" Static Pressure, Add	262.61	
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	2,095.62	338.92
For 1/4" Static Pressure, Add	113.54	
For 3/8" Static Pressure, Add	227.09	
For 1/2" Static Pressure, Add	312.25	
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	2,488.18	410.60
For 1/4" Static Pressure, Add	133.58	
For 3/8" Static Pressure, Add	267.16	
For 1/2" Static Pressure, Add	367.35	
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	2,811.34	410.60
For 1/4" Static Pressure, Add	159.16	
For 3/8" Static Pressure, Add	318.32	
For 1/2" Static Pressure, Add	437.69	
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	3,087.09	433.19
For 1/4" Static Pressure, Add	177.71	
For 3/8" Static Pressure, Add	355.42	
For 1/2" Static Pressure, Add	488.71	
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,365.66	458.12
For 1/4" Static Pressure, Add	196.10	
For 3/8" Static Pressure, Add	392.19	
For 1/2" Static Pressure, Add	539.26	
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,866.61	599.15
For 1/4" Static Pressure, Add	213.73	
For 3/8" Static Pressure, Add	427.46	
For 1/2" Static Pressure, Add	587.76	
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	4,378.15	599.92
For 1/4" Static Pressure, Add	254.65	
For 3/8" Static Pressure, Add	509.31	
For 1/2" Static Pressure, Add	700.30	
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	4,958.16	708.07
For 1/4" Static Pressure, Add	283.74	
For 3/8" Static Pressure, Add	567.47	
For 1/2" Static Pressure, Add	780.27	

23 34 16 Centrifugal HVAC Fans (23 34)

23 34 16 00-0001 Centrifugal Fans (23 34 16)		
Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)		
Note: V-belt driven.		
23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
Note: Under 30" diameter wheel.		
23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005 EA 1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure	726.18	171.17
23 34 16 00-0006 EA 1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,015.78	177.64
23 34 16 00-0007 EA 1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,046.88	141.57
23 34 16 00-0008 EA 1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,092.82	194.01
23 34 16 00-0009 EA 3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,122.26	205.69
23 34 16 00-0010 EA 1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,158.91	214.26
23 34 16 00-0011 EA 1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,197.86	228.28
23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,164.59	186.99
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,187.04	194.01
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,228.18	205.69
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,252.92	214.26
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,298.05	228.28
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,341.59	239.19
23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020 EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,175.29	194.01
23 34 16 00-0021 EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,204.68	205.69
23 34 16 00-0022 EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,241.17	214.26
23 34 16 00-0023 EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,274.55	228.28
23 34 16 00-0024 EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,314.17	239.19
23 34 16 00-0025 EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,370.71	257.11
23 34 16 00-0026 EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,414.72	270.36
23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,339.81	205.69
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,388.50	214.26
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,444.21	228.28
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,474.71	239.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,516.26	257.11
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,551.15	270.36
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,720.12	293.73
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,385.11	214.26
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,421.42	228.28
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,466.93	239.19
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,505.85	257.11
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,555.73	270.36
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,632.00	293.73
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,682.48	311.65
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,759.42	342.82
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,403.80	228.28
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,449.29	239.19
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,505.85	257.11
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,555.73	270.36
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,649.62	293.73
23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	1,775.64	311.65
23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,870.72	342.82
23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,966.56	366.97
23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	1,674.51	239.19
23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	1,710.68	257.11
23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	1,756.46	270.36
23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	1,816.09	293.73
23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	1,890.55	311.65
23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	1,924.56	342.82
23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	1,978.31	366.97
23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,074.47	411.38
23 34 16 00-0062 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,003.28	257.11
23 34 16 00-0064 EA 1/3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,078.51	293.73
23 34 16 00-0065 EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,146.62	311.65
23 34 16 00-0066 EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,223.22	342.82
23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,289.69	366.97
23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,356.48	411.38
23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,440.06	447.21
23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,629.80	514.22
23 34 16 00-0071 27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072 EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	2,214.73	270.36
23 34 16 00-0073 EA 1/3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	2,293.50	311.65
23 34 16 00-0074 EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	2,370.10	342.82
23 34 16 00-0075 EA 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	2,436.58	366.97
23 34 16 00-0076 EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	2,532.74	411.38
23 34 16 00-0077 EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	2,616.14	447.21
23 34 16 00-0078 EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	2,818.36	514.22
23 34 16 00-0079 EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	2,863.26	571.10
23 34 16 00-0080 Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Over 30" diameter wheel.		
23 34 16 00-0081 30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	3,089.82	342.82
23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	3,153.98	366.97
23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	3,255.39	411.38
23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	3,344.66	447.21
23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	3,481.71	514.22
23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	3,603.53	571.10
23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	3,811.93	685.63
23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,003.32	790.81
23 34 16 00-0090 33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0091 EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	3,611.62	366.97
23 34 16 00-0092 EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	3,737.16	411.38
23 34 16 00-0093 EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	3,850.11	447.21
23 34 16 00-0094 EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	4,010.48	514.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	4,155.81	571.10
23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	4,387.69	685.63
23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	4,638.72	790.81
23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,024.62	1,028.45
23 34 16 00-0099 36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure <small>(23 34 16 00-0099)</small>		
23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	3,030.65	411.38
23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	3,084.85	447.21
23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	3,186.47	514.22
23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	3,284.88	571.10
23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	3,746.46	685.63
23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	3,956.19	790.81
23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,367.39	1,028.45
23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,808.55	1,285.55
23 34 16 00-0108 Kitchen System Fans <small>(23 34 16 00-0001)</small>		
23 34 16 00-0109 Upblast Kitchen Exhaust Fans <small>(23 34 16 00-0108)</small>		
23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	758.69	101.28
Note: 115V. For roof or wall installations. Includes birdscreen and disconnect switch.		
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	884.01	101.28
Note: 115V. For roof or wall installations. Includes birdscreen and disconnect switch.		
23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
23 34 16 00-0114 EA Up To 12" Diameter Wheel, Up To 1/2 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,039.86	101.28
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	41.59	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	71.17	
23 34 16 00-0115 EA 13" Or 14" Diameter Wheel, 1/3 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,124.07	116.86
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	44.96	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	75.68	
23 34 16 00-0116 EA 13" Or 14" Diameter Wheel, 1 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,347.41	116.86
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	53.90	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	94.66	
23 34 16 00-0117 EA 16" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,278.74	136.34
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	51.15	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	85.51	
23 34 16 00-0118 EA 16" Diameter Wheel, 1 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,448.52	136.34
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	57.94	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	99.94	
23 34 16 00-0119 EA 18" Or 20" Diameter Wheel, 3/4 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,553.16	155.82
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	62.13	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	105.53	
23 34 16 00-0120 EA 18" Or 20" Diameter Wheel, 2 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,837.13	155.82
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	73.49	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	129.67	
23 34 16 00-0121 EA 22" Or 24" Diameter Wheel, 3/4 HP Belt Drive, Kitchen Upblast Exhaust Fan	1,994.32	175.30
Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Wall Mounted Fan, Add	79.77	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	139.72	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0122 EA 22" Or 24" Diameter Wheel, 2 HP Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch. For Wall Mounted Fan, Add For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add For Grease Trap Kit, Add For Hinged Curb Kit, Add	2,278.29 91.13 -50.00 85.00 76.41 163.85	175.30
23 34 16 00-0123 EA 30" Diameter Wheel, 3/4 HP Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch. For Wall Mounted Fan, Add For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add For Grease Trap Kit, Add For Hinged Curb Kit, Add	2,314.23 92.57 -50.00 85.00 76.41 163.60	194.78
23 34 16 00-0124 EA 30" Diameter Wheel, 2 HP Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch. For Wall Mounted Fan, Add For 3 Phase Motor, Deduct For Totally Enclosed Motor, Add For Grease Trap Kit, Add For Hinged Curb Kit, Add	2,598.21 103.93 -50.00 85.00 76.41 187.74	194.78
23 34 16 00-0125 EA 36" Or 42" Diameter Wheel, 3 HP Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch. For Totally Enclosed Motor, Add For Grease Trap Kit, Add For Hinged Curb Kit, Add	3,341.98 85.00 76.41 244.34	233.74
23 34 16 00-0126 EA 36" Or 42" Diameter Wheel, 7-1/2 HP Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch. For Totally Enclosed Motor, Add For Grease Trap Kit, Add For Hinged Curb Kit, Add	3,609.44 85.00 76.41 267.07	233.74
23 34 16 00-0127 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0128 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0127)		
23 34 16 00-0129 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	820.72 143.35	101.28
23 34 16 00-0130 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	859.86 149.22	101.28
23 34 16 00-0131 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	907.89 156.42	101.28
23 34 16 00-0132 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0127)		
23 34 16 00-0133 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	926.52 159.22	101.28
23 34 16 00-0134 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	1,050.07 184.78	136.34
23 34 16 00-0135 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	1,261.65 220.41	155.82
23 34 16 00-0136 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	1,469.56 259.39	194.78
23 34 16 00-0137 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. For Extended Weatherhood, Add	1,777.44 313.36	233.74
23 34 16 00-0138 Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0139 Replace Belts And Accessories (23 34 16 00-0138)		
23 34 16 00-0140 EA Fan Shaft Bearing, Replacement	585.20	267.24
23 34 16 00-0141 EA Fan Belt, Replacement	92.84	36.25
23 34 16 00-0142 Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0143 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0142)		
23 34 16 00-0144 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... For Explosion Proof Motor, Add	3,388.59 466.03	140.86
23 34 16 00-0145 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... For Explosion Proof Motor, Add	3,687.37 502.34	169.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0146 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,377.22 593.13	211.50
23 34 16 00-0147 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,720.30 623.39	282.15
23 34 16 00-0148 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,445.81 689.97	423.02
23 34 16 00-0149 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	9,439.06 1,162.05	846.03
23 34 16 00-0150 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	13,756.82 1,700.71	1,209.40
23 34 16 00-0151 Utility Set, Centrifugal, Belt Drive <small>(23 34 16 00-0142)</small>		
23 34 16 00-0152 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	3,388.59 466.03	140.86
23 34 16 00-0153 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	3,485.63 472.08	169.21
23 34 16 00-0154 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	3,570.24 472.08	211.50
23 34 16 00-0155 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	3,711.58 472.08	282.15
23 34 16 00-0156 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,123.02 641.55	423.02
23 34 16 00-0157 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,334.53 641.55	528.76
23 34 16 00-0158 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,487.14 641.55	605.08
23 34 16 00-0159 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,626.73 653.65	634.52
23 34 16 00-0160 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,808.09 659.71	705.00
23 34 16 00-0161 In-Line Duct Fans <small>(23 34 16 00-0001)</small>		
23 34 16 00-0162 Direct Drive In-Line Duct Fans <small>(23 34 16 00-0161)</small>		
23 34 16 00-0163 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan..... Note: 115V. Includes disconnect switch.	973.66	101.28
23 34 16 00-0164 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan..... Note: 115V. Includes disconnect switch.	1,240.45	109.08
23 34 16 00-0165 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan..... Note: 115V. Includes disconnect switch.	1,359.71	116.86
23 34 16 00-0166 Belt Drive In-Line Duct Fans <small>(23 34 16 00-0161)</small>		
23 34 16 00-0167 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	1,419.68 -50.00 85.00	116.86
23 34 16 00-0168 EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	1,632.07 -50.00 85.00	136.34
23 34 16 00-0169 EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	1,832.23 -50.00 85.00	136.34
23 34 16 00-0170 EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,002.39 -50.00 85.00	136.34
23 34 16 00-0171 EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	1,954.63 -50.00 85.00	155.82
23 34 16 00-0172 EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,242.80 -50.00 85.00	155.82
23 34 16 00-0173 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,853.37 -50.00 85.00	194.78
23 34 16 00-0174 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	3,012.45 85.00	194.78
23 34 16 00-0175 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan..... Note: Belt drive. 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	3,124.59 85.00	194.78
23 34 16 00-0176 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	3,615.28 85.00	233.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0177	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,749.12	233.74
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,913.61	233.74
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179			In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0180	EA		950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan	275.99	68.18
23 34 16 00-0181	EA		1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan	290.69	68.18
23 34 16 00-0182	EA		1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan	310.64	68.18
23 34 16 00-0183	EA		950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan	309.59	68.18
23 34 16 00-0184	EA		1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan	309.59	68.18
23 34 16 00-0185	EA		1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan	341.09	68.18
23 34 16 00-0186	EA		900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan	405.59	72.06
23 34 16 00-0187	EA		1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan	349.94	72.06
23 34 16 00-0188	EA		1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan	370.94	72.06
23 34 16 00-0189	EA		1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan	384.59	72.06
23 34 16 00-0190	EA		1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan	400.34	72.06
23 34 16 00-0191	EA		1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan	400.34	72.06
23 34 16 00-0192	EA		1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan	635.98	75.96
23 34 16 00-0193	EA		1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan	540.43	75.96
23 34 16 00-0194	EA		1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan	540.43	75.96
23 34 16 00-0195	EA		950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan	719.98	75.96
23 34 16 00-0196	EA		1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan	719.98	75.96
23 34 16 00-0197	EA		1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan	719.98	75.96
23 34 16 00-0198	EA		1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan	779.83	75.96
23 34 16 00-0199			Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0200			Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0199) Note: Greenheck Model SE1.		
23 34 16 00-0201	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	399.13	83.37
			<i>For Backdraft Damper, Add</i>	81.42	
			<i>For Wall Mount Collar, Add</i>	143.70	
23 34 16 00-0202	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	424.95	92.71
			<i>For Backdraft Damper, Add</i>	88.35	
			<i>For Wall Mount Collar, Add</i>	143.70	
23 34 16 00-0203	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	470.66	102.84
			<i>For Backdraft Damper, Add</i>	97.34	
			<i>For Wall Mount Collar, Add</i>	147.53	
23 34 16 00-0204	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	670.42	113.75
				115.50	
				150.35	
				131.18	
23 34 16 00-0205	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	707.57	126.22
				115.50	
				154.19	
				139.09	
23 34 16 00-0206	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	794.67	140.24
				138.74	
				158.01	
				146.99	
23 34 16 00-0207	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	905.26	155.82
				138.74	
				160.84	
				157.96	
23 34 16 00-0208			Belt Drive Propeller Exhaust Fans (23 34 16 00-0199) Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0209	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	1,415.57	222.83
23 34 16 00-0210	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	1,623.14	259.45
23 34 16 00-0211	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	1,848.03	311.65
23 34 16 00-0212	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	2,555.52	389.56
23 34 16 00-0213	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	3,070.40	519.67
23 34 16 00-0214	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	4,287.65	779.12
23 34 16 00-0215	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	5,171.74	998.83
23 34 16 00-0216			Propeller Exhaust Fan Accessories (23 34 16 00-0199)		
23 34 16 00-0217	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	73.60	
23 34 16 00-0218	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	167.91	
23 34 16 00-0219			Reversible Ceiling Fans (23 34 16 00-0199)		
23 34 16 00-0220			4 Blade Ceiling Fans (23 34 16 00-0219)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0221 EA 42" 4-Blade Ceiling Fan, Three Speed <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	336.45 20.25 25.68	40.77
23 34 16 00-0222 5 Blade Ceiling Fans (23 34 16 00-0219)		
23 34 16 00-0223 EA 42" 5-Blade Ceiling Fan, Three Speed <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	367.37 20.25 25.72	100.90
23 34 16 00-0224 EA 52" 5-Blade Ceiling Fan, Three Speed <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	418.73 20.25 25.80	100.90
23 34 16 00-0225 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0219)		
23 34 16 00-0226 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed	345.40	38.57
23 34 16 00-0227 Explosion Proof Industrial Blowers (23 34 16 00-0199)		
23 34 16 00-0228 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	2,754.54	
23 34 16 00-0229 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	3,019.96	
23 34 16 00-0230 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	4,000.92	
23 34 16 00-0231 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	4,183.65	
23 34 16 00-0232 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	2,516.04	
23 34 16 00-0233 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	2,675.33	
23 34 16 00-0234 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	3,649.70	
23 34 16 00-0235 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	3,950.25	
23 34 16 00-0236 Exhaust Fans (23 34 16)		
23 34 16 00-0237 Exhaust Fans (23 34 16 00-0236) Note: Excludes ducting.		
23 34 16 00-0238 Light Duty Exhaust Fans (23 34 16 00-0237)		
23 34 16 00-0239 Light Duty Exhaust Fans (23 34 16 00-0238)		
23 34 16 00-0240 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 670).....	91.69	32.95
23 34 16 00-0241 EA 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 671).....	96.00	32.95
23 34 16 00-0242 EA 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 505).....	147.73	32.95
23 34 16 00-0243 EA 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 504).....	182.32	32.95
23 34 16 00-0244 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 503).....	164.76	32.95
23 34 16 00-0245 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 502).....	213.87	32.95
23 34 16 00-0246 Light Duty Exhaust Fans With Lights (23 34 16 00-0238)		
23 34 16 00-0247 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	114.74	32.95
23 34 16 00-0248 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	125.53	32.95
23 34 16 00-0249 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	220.47	32.95
23 34 16 00-0250 Light Duty Exhaust Fans With Heaters (23 34 16 00-0238)		
23 34 16 00-0251 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	117.07	32.95
23 34 16 00-0252 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	176.27	32.95
23 34 16 00-0253 Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0238)		
23 34 16 00-0254 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	186.53	32.95
23 34 16 00-0255 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	274.63	32.95
23 34 16 00-0256 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0237)		
23 34 16 00-0257 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0256) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0258 EA 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	133.37	32.95
23 34 16 00-0259 EA 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	145.75	32.95
23 34 16 00-0260 EA 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	252.83	32.95
23 34 16 00-0261 EA 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	258.56	32.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0262	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	276.41	32.95
23 34 16 00-0263	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	287.81	32.95
23 34 16 00-0264	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	292.23	32.95
23 34 16 00-0265	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	332.06	32.95
23 34 16 00-0266	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	376.00	32.95
23 34 16 00-0267	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	401.03	32.95
23 34 16 00-0268	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	474.14	32.95
23 34 16 00-0269	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	604.38	32.95
23 34 16 00-0270		Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0256) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0271	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	261.90	32.95
23 34 16 00-0272	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	372.72	32.95
23 34 16 00-0273	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	393.24	32.95
23 34 16 00-0274		Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0256)		
23 34 16 00-0275	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....	143.51	32.95
23 34 16 00-0276	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....	155.13	32.95
23 34 16 00-0277		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0256)		
23 34 16 00-0278	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....	148.61	32.95
23 34 16 00-0279	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....	156.30	32.95
23 34 16 00-0280	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	160.01	32.95
23 34 16 00-0281		Room-To-Room Exhaust Fans (23 34 16 00-0237)		
23 34 16 00-0282	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512).....	111.83	32.95
23 34 16 00-0283	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511).....	174.66	32.95
23 34 16 00-0284	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510).....	197.55	32.95
23 34 16 00-0285		Through-Wall Exhaust Fans (23 34 16 00-0237)		
23 34 16 00-0286	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507).....	185.58	32.95
23 34 16 00-0287	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506).....	217.14	32.95
23 34 16 00-0288	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509).....	163.89	32.95
23 34 16 00-0289	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508).....	213.87	32.95
23 34 16 00-0290	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C).....	361.86	32.95
23 34 16 00-0291		Exhaust Fan Accessories (23 34 16 00-0237)		
23 34 16 00-0292		Exhaust Fan Controls (23 34 16 00-0291)		
23 34 16 00-0293	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57).....	103.20	20.59
23 34 16 00-0294	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	75.29	20.59
23 34 16 00-0295	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61).....	75.96	20.59
23 34 16 00-0296		Roof And Wall Caps For Exhaust Fans (23 34 16 00-0291)		
23 34 16 00-0297		Wall Caps For Exhaust Fans (23 34 16 00-0296)		
23 34 16 00-0298	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613).....	170.83	42.31
23 34 16 00-0299	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....	173.03	42.31
23 34 16 00-0300		Roof Caps For Exhaust Fans (23 34 16 00-0296) Note: Includes flashing and built in bird screen.		
23 34 16 00-0301	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611).....	148.16	42.31
23 34 16 00-0302	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612).....	205.22	42.31
23 34 16 00-0303	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636).....	104.29	42.31
23 34 16 00-0304	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634).....	121.41	42.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0305			Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0237) Note: Includes storage and cleaning.		
23 34 16 00-0306	EA		Remove And Reinstall Light Duty Ceiling Exhaust Fan	58.44	
23 34 23 HVAC Power Ventilators (23 34)					
23 34 23 00-0001			Power Roof Ventilators (23 34 23)		
23 34 23 00-0002			Direct Drive, Aluminum, Centrifugal Roof Exhauster (23 34 23 00-0001) Note: Greenheck Model G		
23 34 23 00-0003	EA		1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	467.66	111.42
			Note: Three speed motor.		
			For 12" Roof Curb, Add	128.83	
			For Backdraft Damper, Add	69.01	
			For Solid State Speed Control, Add	64.76	
			For Damper Motor, Add	113.29	
23 34 23 00-0004	EA		1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	529.36	126.22
			Note: Three speed motor.		
			For 12" Roof Curb, Add	128.83	
			For Backdraft Damper, Add	69.01	
			For Solid State Speed Control, Add	64.76	
			For Damper Motor, Add	113.29	
23 34 23 00-0005	EA		1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	750.75	147.25
			For 12" Roof Curb, Add	131.88	
			For Backdraft Damper, Add	74.94	
			For Solid State Speed Control, Add	64.76	
			For Damper Motor, Add	113.29	
23 34 23 00-0006	EA		1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	794.81	165.96
			For 12" Roof Curb, Add	131.88	
			For Backdraft Damper, Add	74.94	
			For Solid State Speed Control, Add	64.76	
			For Damper Motor, Add	113.29	
23 34 23 00-0007	EA		1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	993.97	183.10
			For Solid State Speed Control, Add	64.76	
			For Damper Motor, Add	113.29	
23 34 23 00-0008	EA		1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,104.91	194.78
			For 12" Roof Curb, Add	136.98	
			For Backdraft Damper, Add	84.95	
			For Solid State Speed Control, Add	96.32	
			For Damper Motor, Add	113.29	
23 34 23 00-0009			Belt Drive, Aluminum, Centrifugal Roof Exhauster (23 34 23 00-0001) Note: Greenheck Model GB		
23 34 23 00-0010	EA		1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	990.31	165.96
			For 12" Roof Curb, Add	131.88	
			For Backdraft Damper, Add	74.94	
			For Damper Motor, Add	113.29	
23 34 23 00-0011	EA		1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,079.93	211.14
			For 12" Roof Curb, Add	136.98	
			For Backdraft Damper, Add	84.95	
			For Damper Motor, Add	113.29	
23 34 23 00-0012	EA		1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,461.80	251.66
			For 12" Roof Curb, Add	136.98	
			For Backdraft Damper, Add	84.95	
			For Damper Motor, Add	113.29	
23 34 23 00-0013	EA		3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,864.49	311.65
			For 12" Roof Curb, Add	161.41	
			For Backdraft Damper, Add	104.12	
			For Damper Motor, Add	113.29	
23 34 23 00-0014	EA		1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,459.15	389.56
			For 12" Roof Curb, Add	172.61	
			For Backdraft Damper, Add	113.12	
			For Damper Motor, Add	113.29	
23 34 23 00-0015	EA		1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,133.51	486.96
			For 12" Roof Curb, Add	189.92	
			For Backdraft Damper, Add	125.14	
			For Damper Motor, Add	113.29	
23 34 23 00-0016	EA		2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,157.95	486.96
			For 12" Roof Curb, Add	189.92	
			For Backdraft Damper, Add	125.14	
			For Damper Motor, Add	113.29	
23 34 23 00-0017	EA		3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,421.66	486.96
			For 12" Roof Curb, Add	189.92	
			For Backdraft Damper, Add	125.14	
			For Damper Motor, Add	113.29	
23 34 23 00-0018	EA		5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,548.94	486.96
			For 12" Roof Curb, Add	189.92	
			For Backdraft Damper, Add	125.14	
			For Damper Motor, Add	113.29	
23 34 23 00-0019			Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001) Note: Includes back draft damper and birdscreen and curb.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0020	EA		30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	4,747.15	599.15
23 34 23 00-0021	EA		36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	7,713.88	778.89
23 34 23 00-0022			Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023	EA		4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	1,899.72	311.10
23 34 23 00-0024	EA		10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,557.51	389.48
23 34 23 00-0025			Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026	EA		50 To 120 Degree Line Voltage Fan Thermostat.....	82.32	
23 34 23 00-0027			Power Wall Ventilators (23 34 23)		
23 34 23 00-0028			Centrifugal Power Wall Ventilators, Aluminum Housing (23 34 23 00-0027)		
			Note: Birdscreen, backdraft damper 1/4" static pressure.		
23 34 23 00-0029			Direct Drive, Aluminum, Centrifugal Wall Exhauster (23 34 23 00-0028)		
			Note: Greenheck Model CW.		
23 34 23 00-0030	EA		1/25 HP, 297 CFM At 1/4" Static Pressure, 10" x 10" Frame Size, Direct Drive, Aluminum, Centrifugal Wall Exhauster	563.93	125.44
			For Backdraft Damper, Add	80.05	
23 34 23 00-0031	EA		1/8 HP, 861 CFM At 1/4" Static Pressure, 10" x 10" Frame Size, Direct Drive, Aluminum, Centrifugal Wall Exhauster	647.33	147.25
			For Backdraft Damper, Add	88.52	
23 34 23 00-0032	EA		1/6 HP, 1,179 CFM At 1/4" Static Pressure, 12" x 12" Frame Size, Direct Drive, Aluminum, Centrifugal Wall Exhauster	963.84	165.96
			For Backdraft Damper, Add	100.04	
23 34 23 00-0033			Centrifugal Wall Exhausters, Auto Damper, 1/8" Static Pressure (23 34 23 00-0027)		
23 34 23 00-0034			Direct Drive Centrifugal Wall Exhausters (23 34 23 00-0033)		
23 34 23 00-0035	EA		610 CFM, 1/20 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	401.81	60.49
23 34 23 00-0036	EA		796 CFM, 1/12 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	420.80	65.14
23 34 23 00-0037	EA		822 CFM, 1/6 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	599.65	70.64
23 34 23 00-0038	EA		1,320 CFM, 1/4 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	604.50	70.64
23 34 23 00-0039	EA		1,756 CFM, 1/4 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	694.65	76.99
23 34 23 00-0040	EA		1,983 CFM, 1/4 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	814.79	84.60
23 34 23 00-0041	EA		2,900 CFM, 1/2 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	970.59	93.91
23 34 23 00-0042	EA		3,307 CFM, 3/4 HP Wall Exhauster, Direct Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	1,074.97	105.76
23 34 23 00-0043			V-Belt Drive, 3 Phase Centrifugal Wall Exhausters (23 34 23 00-0033)		
23 34 23 00-0044	EA		2,800 CFM, 1/4 HP Wall Exhauster, V-Belt Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	1,462.85	93.91
23 34 23 00-0045	EA		3,740 CFM, 1/2 HP Wall Exhauster, V-Belt Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	1,534.95	105.76
23 34 23 00-0046	EA		4,400 CFM, 3/4 HP Wall Exhauster, V-Belt Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	1,581.56	120.98
23 34 23 00-0047	EA		5,700 CFM, 1-1/2 HP Wall Exhauster, V-Belt Drive, Centrifugal, Auto Damper, 1/8" Static Pressure	1,637.44	140.86
23 34 33			Air Curtains (23 34)		
23 34 33 00-0001			Unheated Air Curtains For Entrances (23 34 33)		
			Note: Includes housing and controls.		
23 34 33 00-0002			Personnel Entrance Unheated Air Curtains (23 34 33 00-0001)		
23 34 33 00-0003	EA		Air Curtain For 3' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	1,667.25	571.10
23 34 33 00-0004	EA		Air Curtain For 3.5' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	1,684.68	571.10
23 34 33 00-0005	EA		Air Curtain For 4' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	1,693.39	571.10
23 34 33 00-0006	EA		Air Curtain For 5' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	2,068.03	571.10
23 34 33 00-0007	EA		Air Curtain For 6' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	2,563.54	685.63
23 34 33 00-0008	EA		Air Curtain For 7' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	2,676.81	685.63
23 34 33 00-0009	EA		Air Curtain For 10' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	3,603.34	790.81
23 34 33 00-0010	EA		Air Curtain For 12' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	4,248.07	790.81
23 34 33 00-0011	EA		Air Curtain For 15' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	4,805.68	790.81
23 34 33 00-0012			Receiving/Service Entrance Unheated Air Curtains (23 34 33 00-0001)		
			Note: Normal door sizes.		
23 34 33 00-0013	EA		Air Curtain, 3' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,672.48	571.10
23 34 33 00-0014	EA		Air Curtain, 3.5' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,672.48	571.10
23 34 33 00-0015	EA		Air Curtain, 4' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,688.16	571.10
23 34 33 00-0016	EA		Air Curtain, 5' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,885.07	571.10
23 34 33 00-0017	EA		Air Curtain, 6' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,337.01	685.63
23 34 33 00-0018	EA		Air Curtain, 7' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,641.95	685.63
23 34 33 00-0019	EA		Air Curtain, 8' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,843.60	790.81
23 34 33 00-0020	EA		Air Curtain, 10' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	3,585.91	790.81
23 34 33 00-0021	EA		Air Curtain, 4' x 10' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,989.62	571.10
23 34 33 00-0022			Service Window Unheated Air Curtains (23 34 33 00-0001)		
			Note: Normal window sizes.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0023	EA			Air Curtain For 2.5' x 5' Service Window, Unheated, Including Housing And Controls	1,981.83	894.44
23 34 33 00-0024 Heated Air Curtains For Entrances <small>(23 34 33)</small>						
Note: Includes housing and controls.						
23 34 33 00-0025	EA			60" Heated Air Curtain With 1- 300 MBH Heater	3,186.36	502.92
23 34 33 00-0026	EA			60" Heated Air Curtain With 1- 400 MBH Heater	3,477.06	502.92
23 34 33 00-0027	EA			72" Heated Air Curtain With 1- 350 MBH Heater	3,823.12	603.43
23 34 33 00-0028	EA			72" Heated Air Curtain With 2- 250 MBH Heaters	4,171.96	603.43
23 34 33 00-0029	EA			96" Heated Air Curtain With 1- 400 MBH Heater	5,096.83	804.45
23 34 33 00-0030	EA			96" Heated Air Curtain With 2- 350 MBH Heaters	5,561.95	804.45
23 34 33 00-0031	EA			117" Heated Air Curtain With 2- 300 MBH Heaters	6,211.06	980.14
23 34 33 00-0032	EA			117" Heated Air Curtain With 2- 400 MBH Heaters	6,777.92	980.14
23 34 33 00-0033	EA			147" Heated Air Curtain With 2- 350 MBH Heaters	7,804.08	1,231.41
23 34 33 00-0034	EA			147" Heated Air Curtain With 3- 350 MBH Heaters	9,213.98	1,231.41
23 34 33 00-0035	EA			168" Heated Air Curtain With 2- 400 MBH Heaters	8,919.45	1,407.49
23 34 33 00-0036	EA			168" Heated Air Curtain With 3- 400 MBH Heaters	10,530.41	1,407.49
23 34 33 00-0037	EA			192" Heated Air Curtain With 2- 400 MBH Heaters	10,191.01	1,608.50
23 34 33 00-0038	EA			192" Heated Air Curtain With 4- 350 MBH Heaters	12,032.11	1,608.50
23 35 Special Exhaust Systems <small>(23 30)</small>						
See CSI section 23 31 13 16-0063 for spiral duct/piping.						
23 35 13 Dust Collection Systems <small>(23 35)</small>						
23 35 13 00-0001 Dust Collector System <small>(23 35 13)</small>						
23 35 13 00-0002	EA			1.5 HP Dust Collector Central Vacuum Unit	2,587.94	676.83
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.						
23 35 13 00-0003	EA			2 HP Dust Collector Central Vacuum Unit	2,927.01	803.73
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.						
23 35 13 00-0004	EA			2-1/2 HP Dust Collector Central Vacuum Unit	3,496.69	930.63
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.						
23 35 13 00-0005	EA			3 HP Dust Collector Central Vacuum Unit	4,010.25	1,099.84
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.						
23 35 13 00-0006	EA			5 HP Dust Collector Central Vacuum Unit	7,809.18	1,236.46
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.						
23 35 13 00-0007	EA			7-1/2 HP Dust Collector Central Vacuum Unit	9,442.21	1,442.53
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.						
23 35 13 00-0008	EA			10 HP Dust Collector Central Vacuum Unit	10,813.60	1,648.61
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.						
23 35 13 00-0009	EA			15 HP Dust Collector Central Vacuum Unit	12,182.88	1,895.91
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.						
23 35 13 00-0010	EA			20 HP Dust Collector Central Vacuum Unit	13,609.80	2,143.19
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.						
23 35 13 00-0011 Vacuum Tubing And Accessories <small>(23 35 13)</small>						
23 35 13 00-0012 Vacuum Tubing <small>(23 35 13 00-0011)</small>						
23 35 13 00-0013 Galvanized Vacuum Tubing <small>(23 35 13 00-0012)</small>						
23 35 13 00-0014	LF			2-1/8" Outside Diameter Vacuum Tubing, Galvanized	5.50	1.40
23 35 13 00-0015	LF			2-1/2" Outside Diameter Vacuum Tubing, Galvanized	6.10	1.48
23 35 13 00-0016	LF			3" Outside Diameter Vacuum Tubing, Galvanized	7.08	1.56
23 35 13 00-0017	LF			3-1/2" Outside Diameter Vacuum Tubing, Galvanized	8.89	1.63
23 35 13 00-0018	LF			4" Outside Diameter Vacuum Tubing, Galvanized	9.16	1.71
23 35 13 00-0019	LF			5" Outside Diameter Vacuum Tubing, Galvanized	14.42	1.94
23 35 13 00-0020	LF			6" Outside Diameter Vacuum Tubing, Galvanized	16.26	2.26
23 35 13 00-0021	LF			8" Outside Diameter Vacuum Tubing, Galvanized	22.09	3.11
23 35 13 00-0022	LF			10" Outside Diameter Vacuum Tubing, Galvanized	26.09	3.90
23 35 13 00-0023	LF			12" Outside Diameter Vacuum Tubing, Galvanized	61.19	5.15
23 35 13 00-0024 Flexible Hose <small>(23 35 13 00-0011)</small>						
23 35 13 00-0025	LF			2" Flexible Hose	7.03	1.40
23 35 13 00-0026	LF			3" Flexible Hose	8.35	1.56
23 35 13 00-0027	LF			4" Flexible Hose	9.08	1.71
23 35 13 00-0028 90 Degree Elbow <small>(23 35 13 00-0011)</small>						
23 35 13 00-0029	EA			2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	29.27	8.96
23 35 13 00-0030	EA			2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	34.97	9.58
23 35 13 00-0031	EA			3" 90 Degree Elbow, Vacuum Tubing, Galvanized	42.27	10.44
23 35 13 00-0032	EA			3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	49.06	11.30
23 35 13 00-0033	EA			4" 90 Degree Elbow, Vacuum Tubing, Galvanized	57.56	12.47
23 35 13 00-0034	EA			5" 90 Degree Elbow, Vacuum Tubing, Galvanized	89.36	13.87
23 35 13 00-0035	EA			6" 90 Degree Elbow, Vacuum Tubing, Galvanized	116.19	15.58
23 35 13 00-0036	EA			8" 90 Degree Elbow, Vacuum Tubing, Galvanized	202.35	20.80
23 35 13 00-0037 45 Degree Elbow <small>(23 35 13 00-0011)</small>						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 00-0038 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	27.90	8.96
23 35 13 00-0039 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	33.85	9.58
23 35 13 00-0040 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	38.49	10.44
23 35 13 00-0041 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	44.80	11.30
23 35 13 00-0042 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	53.62	12.47
23 35 13 00-0043 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	75.68	13.87
23 35 13 00-0044 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	96.08	15.58
23 35 13 00-0045 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	168.57	20.80
23 35 13 00-0046 Wye <small>(23 35 13 00-0011)</small>		
23 35 13 00-0047 EA 2-1/8" Wye, Vacuum Tubing, Galvanized.....	51.95	14.81
23 35 13 00-0048 EA 2-1/2" Wye, Vacuum Tubing, Galvanized.....	60.77	15.97
23 35 13 00-0049 EA 3" Wye, Vacuum Tubing, Galvanized.....	72.25	17.14
23 35 13 00-0050 EA 3-1/2" Wye, Vacuum Tubing, Galvanized.....	85.91	19.09
23 35 13 00-0051 EA 4" Wye, Vacuum Tubing, Galvanized.....	110.65	20.65
23 35 13 00-0052 EA 5" Wye, Vacuum Tubing, Galvanized.....	176.51	22.98
23 35 13 00-0053 EA 6" Wye, Vacuum Tubing, Galvanized.....	229.87	26.10
23 35 13 00-0054 EA 8" Wye, Vacuum Tubing, Galvanized.....	434.10	28.43
23 35 13 00-0055 EA 10" Wye, Vacuum Tubing, Galvanized.....	594.06	31.16
23 35 13 00-0056 EA 12" Wye, Vacuum Tubing, Galvanized.....	746.74	34.91
23 35 13 00-0057 Reducer <small>(23 35 13 00-0011)</small>		
23 35 13 00-0058 EA 3" Reducer, Vacuum Tubing, Galvanized.....	31.25	10.44
23 35 13 00-0059 EA 4" Reducer, Vacuum Tubing, Galvanized.....	34.54	11.30
23 35 13 00-0060 EA 5" Reducer, Vacuum Tubing, Galvanized.....	42.03	12.47
23 35 13 00-0061 EA 6" Reducer, Vacuum Tubing, Galvanized.....	45.69	13.87
23 35 13 00-0062 EA 8" Reducer, Vacuum Tubing, Galvanized.....	52.91	15.58
23 35 13 00-0063 Air Gate Valve, Galvanized <small>(23 35 13 00-0011)</small>		
23 35 13 00-0064 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	171.89	20.80
23 35 13 00-0065 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	180.44	22.21
23 35 13 00-0066 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized.....	206.12	23.92
23 35 13 00-0067 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	232.86	25.55
23 35 13 00-0068 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized.....	261.44	27.11
23 35 13 00-0069 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized.....	307.71	30.93
23 35 13 00-0070 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized.....	353.31	34.67
23 35 16 Engine Exhaust Systems <small>(23 35)</small>		
23 35 16 16 Mechanical Engine Exhaust Systems <small>(23 35 16)</small>		
23 35 16 16-0001 Tailpipe Exhaust Equipment <small>(23 35 16 16)</small>		
23 35 16 16-0002 Overhead Tailpipe Exhaust System <small>(23 35 16 16-0001)</small>		
23 35 16 16-0003 Overhead Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004 Overhead Direct Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
23 35 16 16-0005 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,044.60	165.96
23 35 16 16-0006 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,421.27	338.92
23 35 16 16-0007 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,346.97	410.60
23 35 16 16-0008 Overhead Belt Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
23 35 16 16-0009 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,357.67	338.92
23 35 16 16-0010 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,530.01	410.60
23 35 16 16-0011 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,087.77	649.79
23 35 16 16-0012 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,794.83	838.34
23 35 16 16-0013 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,773.60	998.83
23 35 16 16-0014 Spiral Exhaust Duct Accessories <small>(23 35 16 16-0002)</small>		
23 35 16 16-0015 Flex Hose x Length <small>(23 35 16 16-0014)</small>		
Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016 EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	145.51	41.29
23 35 16 16-0017 EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	116.52	41.29
23 35 16 16-0018 EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	220.50	65.45
23 35 16 16-0019 EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	172.06	65.45
23 35 16 16-0020 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	297.74	103.62
23 35 16 16-0021 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	280.40	103.62
23 35 16 16-0022 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	447.01	164.39
23 35 16 16-0023 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	410.54	164.39
23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0014)</small>		
23 35 16 16-0025 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	168.62	41.29



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 35 16 16-0026	EA		5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	237.38	65.45
	23 35 16 16-0027	EA		4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	135.23	41.29
	23 35 16 16-0028	EA		5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	187.84	65.45
	23 35 16 16-0029	EA		6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,678.10	55.63
	23 35 16 16-0030	EA		8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,397.51	102.07
	23 35 16 16-0031	EA		10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,554.51	102.07
	23 35 16 16-0032	LF		8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	72.29	7.95
	23 35 16 16-0033	LF		10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	81.94	7.95
23 35 16 16-0034				Flexible Hose <small>(23 35 16 16-0014)</small>		
	23 35 16 16-0035	LF		3" Stainless Steel Flexible Tubing.....	21.40	1.94
	23 35 16 16-0036	LF		4" Stainless Steel Flexible Tubing.....	27.08	2.19
	23 35 16 16-0037	LF		5" Stainless Steel Flexible Tubing.....	32.03	2.26
	23 35 16 16-0038	LF		6" Stainless Steel Flexible Tubing.....	37.67	2.42
	23 35 16 16-0039	LF		3" Galvanized Flexible Tubing.....	14.01	1.94
	23 35 16 16-0040	LF		4" Galvanized Flexible Tubing.....	16.42	2.19
	23 35 16 16-0041	LF		5" Galvanized Flexible Tubing.....	18.76	2.26
	23 35 16 16-0042	LF		6" Galvanized Flexible Tubing.....	20.89	2.42
23 35 16 16-0043				Accessories <small>(23 35 16 16-0002)</small>		
	23 35 16 16-0044	EA		3" Tail Pipe Adapter.....	59.60	5.84
	23 35 16 16-0045	EA		4" Tail Pipe Adapter.....	61.52	5.84
	23 35 16 16-0046	EA		5" Tail Pipe Adapter.....	64.99	6.63
	23 35 16 16-0047	EA		3" Bullnose (Guide).....	32.29	3.90
	23 35 16 16-0048	EA		4" Bullnose (Guide).....	34.13	4.28
	23 35 16 16-0049	EA		5" Bullnose (Guide).....	36.29	4.67
	23 35 16 16-0050	EA		Flex-Hose Winch And Associated Hardware.....	217.33	44.18
	23 35 16 16-0051	LF		Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.16	
23 35 16 16-0052				Automatic Exhaust Extraction System <small>(23 35 16 16-0001)</small>		
				Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		
	23 35 16 16-0053	EA		Magnatrack System For One Vehicle (30" To 40" Track).....	19,595.25	
	23 35 16 16-0054	EA		Magnatrack System For Two Vehicles (2 Each 30" Tracks).....	28,304.25	
	23 35 16 16-0055	EA		Magnatrack System For Tandem Vehicles (2 Each 30" Tracks).....	28,304.25	
	23 35 16 16-0056	EA		Magnarail System For One Vehicle (33" Rail).....	23,224.00	
	23 35 16 16-0057	EA		Magnarail System For Two Vehicles in Tandem (66" Rail).....	34,836.00	
	23 35 16 16-0058	EA		Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack).....	18,143.75	
23 35 19				Fume Exhaust <small>(23 35)</small>		
	23 35 19 00-0001	EA		Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,515.94	311.41
	23 35 19 00-0002	EA		Hose Extension Kit 5'.....	268.64	69.18
23 36				Air Terminal Units <small>(23 30)</small>		
				23 36 13		
				Constant-Air-Volume Units <small>(23 36)</small>		
				23 36 13 00-0001		
				Vertical Units, With Electric Heating Coils <small>(23 36 13)</small>		
	23 36 13 00-0002	EA		60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,251.52	105.72
	23 36 13 00-0003	EA		90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,507.86	113.86
	23 36 13 00-0004	EA		120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,609.29	117.92
	23 36 13 00-0005	EA		150 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,718.86	126.06
	23 36 13 00-0006	EA		175 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,941.01	130.13
				23 36 13 00-0007		
				Horizontal Units, With Electric Heating Coils <small>(23 36 13)</small>		
	23 36 13 00-0008	EA		60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,059.57	105.72
	23 36 13 00-0009	EA		90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,267.79	113.86
	23 36 13 00-0010	EA		120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,515.45	119.96
				23 36 13 00-0011		
				Duct Boxes, Constant Volume Control <small>(23 36 13)</small>		
				23 36 13 00-0012		
				Single Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
	23 36 13 00-0013	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	839.54	32.15
				<i>For Boxes With Motor, Add</i>	20.00	
	23 36 13 00-0014	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control.....	928.96	34.69
				<i>For Boxes With Motor, Add</i>	20.00	
	23 36 13 00-0015	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control.....	966.16	38.07
				<i>For Boxes With Motor, Add</i>	20.00	
	23 36 13 00-0016	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control.....	984.21	39.76
				<i>For Boxes With Motor, Add</i>	20.00	
	23 36 13 00-0017	EA		12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	1,000.61	44.00
				<i>For Boxes With Motor, Add</i>	20.00	
	23 36 13 00-0018	EA		14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	1,144.06	49.07
				<i>For Boxes With Motor, Add</i>	20.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0019	EA		16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,202.05	54.99
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	1,279.29	65.99
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	1,356.00	76.15
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0022			Dual Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	1,174.79	32.15
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0024	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	1,257.07	34.69
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0025	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	1,312.91	38.07
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0026	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	1,367.91	39.76
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	1,384.31	44.00
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0028	EA		14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,590.53	49.92
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0029	EA		16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,739.35	54.99
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0030	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,876.39	65.99
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0031	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,962.62	76.15
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 16			Variable-Air-Volume Units <small>(23 36)</small>		
23 36 16 00-0001			Variable Volume Terminal Unit <small>(23 36 16)</small>		
			Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
			Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	257.84	38.91
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	290.24	44.00
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	324.81	49.07
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	352.33	54.99
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA		14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	479.29	118.36
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	619.33	140.44
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
			Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	440.32	38.91
			<i>For Fan Powered Variable Air Volume Box, Add</i>	385.34	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	481.28	44.00
			<i>For Fan Powered Variable Air Volume Box, Add</i>	413.78	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	512.56	49.07
			<i>For Fan Powered Variable Air Volume Box, Add</i>	428.50	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	543.37	54.99
			<i>For Fan Powered Variable Air Volume Box, Add</i>	442.42	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	652.54	118.36
			<i>For Fan Powered Variable Air Volume Box, Add</i>	501.29	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	807.08	140.44
			<i>For Fan Powered Variable Air Volume Box, Add</i>	554.74	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0016 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>						
Note: With analog electronic controls.						
23 36 16 00-0017	EA			6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls.....	667.59	38.91
				<i>For Hot Water Coils, Add</i>	40.55	
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0018	EA			8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls.....	703.29	44.00
				<i>For Hot Water Coils, Add</i>	40.55	
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0019	EA			10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls.....	737.85	49.07
				<i>For Hot Water Coils, Add</i>	40.55	
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0020	EA			12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls.....	781.18	54.99
				<i>For Hot Water Coils, Add</i>	40.55	
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0021	EA			14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls.....	891.01	118.36
				<i>For Hot Water Coils, Add</i>	40.55	
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0022	EA			16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls.....	904.19	118.36
				<i>For Hot Water Coils, Add</i>	40.55	
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>						
Note: With flow control installation, plenum system power box, thermostat.						
23 36 16 00-0024	EA			6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct.....	486.46	76.90
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0025	EA			8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct.....	536.06	87.56
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026	EA			10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct.....	580.03	98.90
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027	EA			12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct.....	638.36	110.32
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028	EA			14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct.....	721.01	126.90
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029	EA			16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct.....	807.17	152.28
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <small>(23 36 16 00-0001)</small>						
23 36 16 00-0031	EA			0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A).....	359.14	52.88
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA			0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B).....	390.63	58.16
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA			0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C).....	422.84	63.45
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA			0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D).....	455.82	68.74
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA			0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E).....	489.64	74.03
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA			0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F).....	524.33	79.32
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA			0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G).....	562.41	84.60
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA			0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	599.25	89.89
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA			0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	637.17	95.18
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA			0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	676.28	100.46
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA			0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L).....	716.65	105.76
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA			0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M).....	758.34	111.04
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA			0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	801.48	116.33
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA			0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	842.84	121.61
				<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA			0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	888.94	126.90
				<i>For Filters And Frames, Add</i>	6.30	
23 37 Air Outlets And Inlets <small>(23 30)</small>						
23 37 13 Diffusers, Registers, And Grilles <small>(23 37)</small>						
23 37 13 00-0001				Wall And Floor Diffusers <small>(23 37 13)</small>		
23 37 13 00-0002				Slot Type Linear Diffusers <small>(23 37 13 00-0001)</small>		
Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.						
23 37 13 00-0003	LF			1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	32.20	4.23
				<i>For 3/4" Border, Add</i>	3.61	
				<i>For Floor Mounted Diffusers, Add</i>	4.33	
				<i>For Stainless Steel, Add</i>	18.76	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0004 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	38.69	5.07
For 3/4" Border, Add	4.81	
For Floor Mounted Diffusers, Add	5.77	
For Stainless Steel, Add	25.01	
23 37 13 00-0005 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	52.32	5.92
For 3/4" Border, Add	7.58	
For Floor Mounted Diffusers, Add	9.09	
For Stainless Steel, Add	39.40	
23 37 13 00-0006 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	67.83	5.92
For 3/4" Border, Add	10.83	
For Floor Mounted Diffusers, Add	12.99	
For Stainless Steel, Add	56.29	
23 37 13 00-0007 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	84.23	6.77
For 3/4" Border, Add	14.07	
For Floor Mounted Diffusers, Add	16.89	
For Stainless Steel, Add	73.18	
23 37 13 00-0008 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	98.52	8.46
For 3/4" Border, Add	16.60	
For Floor Mounted Diffusers, Add	19.92	
For Stainless Steel, Add	86.31	
23 37 13 00-0009 Linear Bar Grilles And Registers (23 37 13 00-0001)		
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 00-0010 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	89.21	5.07
For Floor Mount, Add	6.98	
For Opposed Blade Damper, Add	13.95	
For Stainless Steel, Add	90.69	
23 37 13 00-0011 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	106.20	5.92
For Floor Mount, Add	8.42	
For Opposed Blade Damper, Add	16.84	
For Stainless Steel, Add	109.45	
23 37 13 00-0012 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	115.94	5.92
For Floor Mount, Add	9.14	
For Opposed Blade Damper, Add	18.28	
For Stainless Steel, Add	118.83	
23 37 13 00-0013 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	142.78	8.46
For Floor Mount, Add	11.07	
For Opposed Blade Damper, Add	22.13	
For Stainless Steel, Add	143.85	
23 37 13 00-0014 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	197.09	10.99
For Floor Mount, Add	15.40	
For Opposed Blade Damper, Add	30.79	
For Stainless Steel, Add	200.14	
23 37 13 00-0015 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	228.12	12.69
For Floor Mount, Add	17.56	
For Opposed Blade Damper, Add	35.12	
For Stainless Steel, Add	228.28	
23 37 13 00-0016 Ceiling Diffusers (23 37 13)		
23 37 13 00-0017 Ceiling Diffusers With Perforated Face (23 37 13 00-0016)		
Note: Flush mount, aluminum construction, includes damper.		
23 37 13 00-0018 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	71.61	10.99
For Steel Construction, Deduct	-4.22	
For Surface Mount, Deduct	-3.37	
For Diffuser Without Damper, Deduct	-5.62	
For Stainless Steel, Add	70.25	
23 37 13 00-0019 EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	77.85	10.99
For Steel Construction, Deduct	-5.15	
For Surface Mount, Deduct	-4.12	
For Diffuser Without Damper, Deduct	-6.87	
For Stainless Steel, Add	85.85	
23 37 13 00-0020 EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	77.85	10.99
For Steel Construction, Deduct	-5.15	
For Surface Mount, Deduct	-4.12	
For Diffuser Without Damper, Deduct	-6.87	
For Stainless Steel, Add	85.85	
23 37 13 00-0021 EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	93.62	13.53
For Steel Construction, Deduct	-6.17	
For Surface Mount, Deduct	-4.93	
For Diffuser Without Damper, Deduct	-8.22	
For Stainless Steel, Add	102.75	
23 37 13 00-0022 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	93.62	12.69
For Steel Construction, Deduct	-6.17	
For Surface Mount, Deduct	-4.93	
For Diffuser Without Damper, Deduct	-8.22	
For Stainless Steel, Add	102.75	
23 37 13 00-0023 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	105.07	12.69
For Steel Construction, Deduct	-7.88	
For Surface Mount, Deduct	-6.31	
For Diffuser Without Damper, Deduct	-10.51	
For Stainless Steel, Add	131.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0024 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	122.43	16.92
<i>For Steel Construction, Deduct</i>	-8.48	
<i>For Surface Mount, Deduct</i>	-6.78	
<i>For Diffuser Without Damper, Deduct</i>	-11.30	
<i>For Stainless Steel, Add</i>	141.25	
23 37 13 00-0025 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	139.77	17.77
<i>For Steel Construction, Deduct</i>	-10.58	
<i>For Surface Mount, Deduct</i>	-8.47	
<i>For Diffuser Without Damper, Deduct</i>	-14.11	
<i>For Stainless Steel, Add</i>	176.38	
23 37 13 00-0026 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	159.04	20.31
<i>For Steel Construction, Deduct</i>	-11.77	
<i>For Surface Mount, Deduct</i>	-9.42	
<i>For Lay-In Mount, Deduct</i>	-9.42	
<i>For Diffuser Without Damper, Deduct</i>	-15.69	
<i>For Stainless Steel, Add</i>	196.15	
23 37 13 00-0027 Ceiling Diffusers With Louver Face <small>(23 37 13 00-0016)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 00-0028 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	73.69	10.99
<i>For Steel Construction, Deduct</i>	-4.53	
<i>For Flush Mount, Add</i>	4.53	
<i>For Stainless Steel, Add</i>	75.45	
23 37 13 00-0029 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	81.80	10.99
<i>For Steel Construction, Deduct</i>	-5.74	
<i>For Flush Mount, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	95.73	
23 37 13 00-0030 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	81.80	10.99
<i>For Steel Construction, Deduct</i>	-5.74	
<i>For Flush Mount, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	95.73	
23 37 13 00-0031 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	98.31	12.69
<i>For Steel Construction, Deduct</i>	-6.87	
<i>For Flush Mount, Add</i>	6.87	
<i>For Stainless Steel, Add</i>	114.48	
23 37 13 00-0032 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	98.31	13.53
<i>For Steel Construction, Deduct</i>	-6.87	
<i>For Flush Mount, Add</i>	6.87	
<i>For Stainless Steel, Add</i>	114.48	
23 37 13 00-0033 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	126.15	16.92
<i>For Steel Construction, Deduct</i>	-8.99	
<i>For Flush Mount, Add</i>	8.99	
<i>For Stainless Steel, Add</i>	149.85	
23 37 13 00-0034 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	115.12	16.92
<i>For Steel Construction, Deduct</i>	-7.34	
<i>For Flush Mount, Add</i>	7.34	
<i>For Stainless Steel, Add</i>	122.28	
23 37 13 00-0035 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	142.90	20.31
<i>For Steel Construction, Deduct</i>	-9.41	
<i>For Flush Mount, Add</i>	9.41	
<i>For Stainless Steel, Add</i>	156.88	
23 37 13 00-0036 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	162.55	22.84
<i>For Steel Construction, Deduct</i>	-11.71	
<i>For Flush Mount, Add</i>	11.71	
<i>For Stainless Steel, Add</i>	195.10	
23 37 13 00-0037 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	176.68	44.75
<i>For Steel Construction, Deduct</i>	-13.07	
<i>For Flush Mount, Add</i>	13.07	
<i>For Lay-In Mount, Add</i>	17.42	
<i>For Stainless Steel, Add</i>	217.75	
23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 00-0016)</small>		
Note: Aluminum construction.		
23 37 13 00-0039 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	111.05	10.99
<i>For Steel Construction, Deduct</i>	-20.26	
<i>For Stainless Steel, Add</i>	168.85	
23 37 13 00-0040 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	114.52	10.99
<i>For Steel Construction, Deduct</i>	-21.30	
<i>For Stainless Steel, Add</i>	177.53	
23 37 13 00-0041 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	130.46	13.53
<i>For Steel Construction, Deduct</i>	-23.38	
<i>For Stainless Steel, Add</i>	194.85	
23 37 13 00-0042 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	139.12	12.69
<i>For Steel Construction, Deduct</i>	-25.98	
<i>For Stainless Steel, Add</i>	216.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0043 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	194.27	15.23
For Steel Construction, Deduct	-40.01	
For Stainless Steel, Add	333.40	
23 37 13 00-0044 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	204.60	16.08
For Steel Construction, Deduct	-42.35	
For Stainless Steel, Add	352.88	
23 37 13 00-0045 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	215.15	16.92
For Steel Construction, Deduct	-44.68	
For Stainless Steel, Add	372.35	
23 37 13 00-0046 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	246.26	16.92
For Steel Construction, Deduct	-53.11	
For Stainless Steel, Add	442.60	
23 37 13 00-0047 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	291.68	19.46
For Steel Construction, Deduct	-64.66	
For Stainless Steel, Add	538.83	
23 37 13 00-0048 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	326.47	20.31
For Steel Construction, Deduct	-73.90	
For Stainless Steel, Add	615.80	
23 37 13 00-0049 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	387.85	22.84
For Steel Construction, Deduct	-89.48	
For Stainless Steel, Add	745.68	
23 37 13 00-0050 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 00-0016)		
Note: Aluminum construction.		
23 37 13 00-0051 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	116.25	10.99
For Steel Construction, Deduct	-7.27	
For Flush Mount, Deduct	-3.64	
For Stainless Steel, Add	181.85	
23 37 13 00-0052 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	125.20	10.99
For Steel Construction, Deduct	-8.17	
For Flush Mount, Deduct	-4.08	
For Stainless Steel, Add	204.23	
23 37 13 00-0053 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	142.96	13.53
For Steel Construction, Deduct	-9.04	
For Flush Mount, Deduct	-4.52	
For Stainless Steel, Add	226.10	
23 37 13 00-0054 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	152.97	13.53
For Steel Construction, Deduct	-10.05	
For Flush Mount, Deduct	-5.02	
For Stainless Steel, Add	251.13	
23 37 13 00-0055 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	216.78	15.23
For Steel Construction, Deduct	-15.59	
For Flush Mount, Deduct	-7.79	
For Stainless Steel, Add	389.68	
23 37 13 00-0056 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	172.89	16.08
For Steel Construction, Deduct	-16.66	
For Flush Mount, Deduct	-8.33	
For Stainless Steel, Add	416.38	
23 37 13 00-0057 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	243.44	16.92
For Steel Construction, Deduct	-17.72	
For Flush Mount, Deduct	-8.86	
For Stainless Steel, Add	443.08	
23 37 13 00-0058 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	279.94	17.77
For Steel Construction, Deduct	-21.07	
For Flush Mount, Deduct	-10.54	
For Stainless Steel, Add	526.80	
23 37 13 00-0059 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	315.54	19.46
For Steel Construction, Deduct	-23.94	
For Flush Mount, Deduct	-11.97	
For Stainless Steel, Add	598.48	
23 37 13 00-0060 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	378.42	20.31
For Steel Construction, Deduct	-29.83	
For Flush Mount, Deduct	-14.91	
For Stainless Steel, Add	745.68	
23 37 13 00-0061 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	453.47	22.84
For Steel Construction, Deduct	-36.39	
For Flush Mount, Deduct	-18.19	
For Stainless Steel, Add	909.73	
23 37 13 00-0062 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	501.03	47.63
For Steel Construction, Deduct	-29.83	
For Flush Mount, Deduct	-14.91	
For Stainless Steel, Add	745.68	
23 37 13 00-0063 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 00-0016)		
23 37 13 00-0064 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	94.47	12.69
For Stainless Steel, Add	109.28	
23 37 13 00-0065 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	100.41	12.69
For Stainless Steel, Add	124.13	
23 37 13 00-0066 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	107.72	12.69
For Stainless Steel, Add	142.40	
23 37 13 00-0067 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	114.84	12.69
For Stainless Steel, Add	160.20	

23 37 13 00-0068 Return/Exhaust Registers And Grilles (23 37 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0069 Return/Exhaust Registers With Frame <small>(23 37 13 00-0068)</small>		
<i>Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.</i>		
23 37 13 00-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	64.99	6.77
<i>For Steel Construction, Deduct</i>	-7.75	
<i>For Grilles (No Damper), Deduct</i>	-15.49	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	3.87	
<i>For Cube Core Lay In, Add</i>	7.75	
<i>For Stainless Steel, Add</i>	96.83	
23 37 13 00-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	73.41	6.77
<i>For Steel Construction, Deduct</i>	-9.43	
<i>For Grilles (No Damper), Deduct</i>	-18.86	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	4.72	
<i>For Cube Core Lay In, Add</i>	9.43	
<i>For Stainless Steel, Add</i>	117.88	
23 37 13 00-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	82.66	7.61
<i>For Steel Construction, Deduct</i>	-10.44	
<i>For Grilles (No Damper), Deduct</i>	-20.88	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	5.22	
<i>For Cube Core Lay In, Add</i>	10.44	
<i>For Stainless Steel, Add</i>	130.50	
23 37 13 00-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	87.62	8.46
<i>For Steel Construction, Deduct</i>	-10.44	
<i>For Grilles (No Damper), Deduct</i>	-20.88	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	5.22	
<i>For Cube Core Lay In, Add</i>	10.44	
<i>For Stainless Steel, Add</i>	130.50	
23 37 13 00-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	84.25	8.46
<i>For Steel Construction, Deduct</i>	-9.77	
<i>For Grilles (No Damper), Deduct</i>	-19.53	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	4.88	
<i>For Cube Core Lay In, Add</i>	9.77	
<i>For Stainless Steel, Add</i>	122.08	
23 37 13 00-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	107.49	10.99
<i>For Steel Construction, Deduct</i>	-12.80	
<i>For Grilles (No Damper), Deduct</i>	-25.59	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	6.40	
<i>For Cube Core Lay In, Add</i>	12.80	
<i>For Stainless Steel, Add</i>	159.95	
23 37 13 00-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	128.92	12.69
<i>For Steel Construction, Deduct</i>	-15.28	
<i>For Grilles (No Damper), Deduct</i>	-30.56	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	7.64	
<i>For Cube Core Lay In, Add</i>	15.28	
<i>For Stainless Steel, Add</i>	191.00	
23 37 13 00-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	156.88	15.23
<i>For Steel Construction, Deduct</i>	-19.19	
<i>For Grilles (No Damper), Deduct</i>	-38.39	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	9.60	
<i>For Cube Core Lay In, Add</i>	19.19	
<i>For Stainless Steel, Add</i>	239.93	
23 37 13 00-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	182.43	16.92
<i>For Steel Construction, Deduct</i>	-23.24	
<i>For Grilles (No Damper), Deduct</i>	-46.49	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	11.62	
<i>For Cube Core Lay In, Add</i>	23.24	
<i>For Stainless Steel, Add</i>	290.55	
23 37 13 00-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	166.43	16.92
<i>For Steel Construction, Deduct</i>	-19.44	
<i>For Grilles (No Damper), Deduct</i>	-38.88	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	9.72	
<i>For Cube Core Lay In, Add</i>	19.44	
<i>For Stainless Steel, Add</i>	243.03	
23 37 13 00-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	187.08	16.92
<i>For Steel Construction, Deduct</i>	-23.57	
<i>For Grilles (No Damper), Deduct</i>	-47.14	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	11.79	
<i>For Cube Core Lay In, Add</i>	23.57	
<i>For Stainless Steel, Add</i>	294.65	
23 37 13 00-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	198.31	19.46
<i>For Steel Construction, Deduct</i>	-24.43	
<i>For Grilles (No Damper), Deduct</i>	-48.86	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	12.22	
<i>For Cube Core Lay In, Add</i>	24.43	
<i>For Stainless Steel, Add</i>	305.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0082	EA		30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	209.98	20.31
			<i>For Steel Construction, Deduct</i>	-25.97	
			<i>For Grilles (No Damper), Deduct</i>	-51.93	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	12.98	
			<i>For Cube Core Lay In, Add</i>	25.97	
			<i>For Stainless Steel, Add</i>	324.58	
23 37 13 00-0083	EA		30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	241.11	22.84
			<i>For Steel Construction, Deduct</i>	-30.31	
			<i>For Grilles (No Damper), Deduct</i>	-60.61	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	15.15	
			<i>For Cube Core Lay In, Add</i>	30.31	
			<i>For Stainless Steel, Add</i>	378.83	
23 37 13 00-0084	EA		30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	272.77	27.07
			<i>For Steel Construction, Deduct</i>	-32.80	
			<i>For Grilles (No Damper), Deduct</i>	-65.60	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	16.40	
			<i>For Cube Core Lay In, Add</i>	32.80	
			<i>For Stainless Steel, Add</i>	409.98	
23 37 13 00-0085	EA		30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	344.07	27.07
			<i>For Steel Construction, Deduct</i>	-47.06	
			<i>For Grilles (No Damper), Deduct</i>	-94.12	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	23.53	
			<i>For Cube Core Lay In, Add</i>	47.06	
			<i>For Stainless Steel, Add</i>	588.23	
23 37 13 00-0086	EA		36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	294.30	29.61
			<i>For Steel Construction, Deduct</i>	-35.43	
			<i>For Grilles (No Damper), Deduct</i>	-70.86	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	17.72	
			<i>For Cube Core Lay In, Add</i>	35.43	
			<i>For Stainless Steel, Add</i>	442.90	
23 37 13 00-0087	EA		36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	287.52	28.77
			<i>For Steel Construction, Deduct</i>	-34.08	
			<i>For Grilles (No Damper), Deduct</i>	-68.15	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	17.04	
			<i>For Cube Core Lay In, Add</i>	34.08	
			<i>For Stainless Steel, Add</i>	425.95	
23 37 13 00-0088	EA		36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	325.33	32.15
			<i>For Steel Construction, Deduct</i>	-39.69	
			<i>For Grilles (No Damper), Deduct</i>	-79.37	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	19.84	
			<i>For Cube Core Lay In, Add</i>	39.69	
			<i>For Stainless Steel, Add</i>	496.08	
23 37 13 00-0089	EA		36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	430.48	34.69
			<i>For Steel Construction, Deduct</i>	-58.41	
			<i>For Grilles (No Damper), Deduct</i>	-116.82	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	29.20	
			<i>For Cube Core Lay In, Add</i>	58.41	
			<i>For Stainless Steel, Add</i>	730.10	
23 37 13 00-0090	EA		24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	196.24	19.54
			<i>For Steel Construction, Deduct</i>	-23.63	
			<i>For Grilles (No Damper), Deduct</i>	-47.26	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	11.82	
			<i>For Cube Core Lay In, Add</i>	23.63	
			<i>For Stainless Steel, Add</i>	295.40	
23 37 13 00-0091	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	354.28	34.60
			<i>For Steel Construction, Deduct</i>	-43.17	
			<i>For Grilles (No Damper), Deduct</i>	-86.34	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	21.58	
			<i>For Cube Core Lay In, Add</i>	43.17	
			<i>For Stainless Steel, Add</i>	539.60	
23 37 13 00-0092	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	374.57	33.84
			<i>For Steel Construction, Deduct</i>	-49.53	
			<i>For Grilles (No Damper), Deduct</i>	-99.07	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	24.77	
			<i>For Cube Core Lay In, Add</i>	49.53	
			<i>For Stainless Steel, Add</i>	619.18	
23 37 13 00-0093			Return/Exhaust Registers Removable-Reversible <small>(23 37 13 00-0068)</small>		
			Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 00-0094	EA		8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	60.61	6.77
			<i>For Steel Construction, Deduct</i>	-3.44	
			<i>For Flat Frame, Deduct</i>	-0.34	
			<i>For Grilles (No Damper), Deduct</i>	-6.87	
			<i>For Stainless Steel, Add</i>	85.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	60.61	6.77
<i>For Steel Construction, Deduct</i>	-3.44	
<i>For Flat Frame, Deduct</i>	-0.34	
<i>For Grilles (No Damper), Deduct</i>	-6.87	
<i>For Stainless Steel, Add</i>	85.88	
23 37 13 00-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	73.90	7.61
<i>For Steel Construction, Deduct</i>	-4.34	
<i>For Flat Frame, Deduct</i>	-0.43	
<i>For Grilles (No Damper), Deduct</i>	-8.69	
<i>For Stainless Steel, Add</i>	108.60	
23 37 13 00-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	84.92	9.30
<i>For Steel Construction, Deduct</i>	-4.95	
<i>For Flat Frame, Deduct</i>	-0.50	
<i>For Grilles (No Damper), Deduct</i>	-9.90	
<i>For Stainless Steel, Add</i>	123.75	
23 37 13 00-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	83.91	8.46
<i>For Steel Construction, Deduct</i>	-4.85	
<i>For Flat Frame, Deduct</i>	-0.48	
<i>For Grilles (No Damper), Deduct</i>	-9.70	
<i>For Stainless Steel, Add</i>	121.23	
23 37 13 00-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	108.17	10.99
<i>For Steel Construction, Deduct</i>	-6.47	
<i>For Flat Frame, Deduct</i>	-0.65	
<i>For Grilles (No Damper), Deduct</i>	-12.93	
<i>For Stainless Steel, Add</i>	161.65	
23 37 13 00-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	169.38	13.53
<i>For Steel Construction, Deduct</i>	-11.69	
<i>For Flat Frame, Deduct</i>	-1.17	
<i>For Grilles (No Damper), Deduct</i>	-23.37	
<i>For Stainless Steel, Add</i>	292.15	
23 37 13 00-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	203.36	15.23
<i>For Steel Construction, Deduct</i>	-14.25	
<i>For Flat Frame, Deduct</i>	-1.42	
<i>For Grilles (No Damper), Deduct</i>	-28.49	
<i>For Stainless Steel, Add</i>	356.13	
23 37 13 00-0102 EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	228.87	16.92
<i>For Steel Construction, Deduct</i>	-16.27	
<i>For Flat Frame, Deduct</i>	-1.63	
<i>For Grilles (No Damper), Deduct</i>	-32.53	
<i>For Stainless Steel, Add</i>	406.65	
23 37 13 00-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	194.49	16.92
<i>For Steel Construction, Deduct</i>	-12.53	
<i>For Flat Frame, Deduct</i>	-1.25	
<i>For Grilles (No Damper), Deduct</i>	-25.05	
<i>For Stainless Steel, Add</i>	313.18	
23 37 13 00-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	255.11	17.77
<i>For Steel Construction, Deduct</i>	-18.59	
<i>For Flat Frame, Deduct</i>	-1.86	
<i>For Grilles (No Damper), Deduct</i>	-37.18	
<i>For Stainless Steel, Add</i>	464.73	
23 37 13 00-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	296.39	19.46
<i>For Steel Construction, Deduct</i>	-22.02	
<i>For Flat Frame, Deduct</i>	-2.20	
<i>For Grilles (No Damper), Deduct</i>	-44.05	
<i>For Stainless Steel, Add</i>	550.60	
23 37 13 00-0106 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	233.71	20.31
<i>For Steel Construction, Deduct</i>	-15.36	
<i>For Flat Frame, Deduct</i>	-1.54	
<i>For Grilles (No Damper), Deduct</i>	-30.71	
<i>For Stainless Steel, Add</i>	383.90	
23 37 13 00-0107 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	315.88	22.84
<i>For Steel Construction, Deduct</i>	-22.63	
<i>For Flat Frame, Deduct</i>	-2.26	
<i>For Grilles (No Damper), Deduct</i>	-45.26	
<i>For Stainless Steel, Add</i>	565.75	
23 37 13 00-0108 EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	380.55	27.07
<i>For Steel Construction, Deduct</i>	-27.18	
<i>For Flat Frame, Deduct</i>	-2.72	
<i>For Grilles (No Damper), Deduct</i>	-54.35	
<i>For Stainless Steel, Add</i>	679.43	
23 37 13 00-0109 EA 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	431.56	27.07
<i>For Steel Construction, Deduct</i>	-32.28	
<i>For Flat Frame, Deduct</i>	-3.23	
<i>For Grilles (No Damper), Deduct</i>	-64.56	
<i>For Stainless Steel, Add</i>	806.95	
23 37 13 00-0110 EA 36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	306.06	28.77
<i>For Steel Construction, Deduct</i>	-18.89	
<i>For Flat Frame, Deduct</i>	-1.89	
<i>For Grilles (No Damper), Deduct</i>	-37.78	
<i>For Stainless Steel, Add</i>	472.30	
23 37 13 00-0111 EA 36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	403.05	28.77
<i>For Steel Construction, Deduct</i>	-28.59	
<i>For Flat Frame, Deduct</i>	-2.86	
<i>For Grilles (No Damper), Deduct</i>	-57.18	
<i>For Stainless Steel, Add</i>	714.78	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	464.33	32.15
			<i>For Steel Construction, Deduct</i>	-33.74	
			<i>For Flat Frame, Deduct</i>	-3.37	
			<i>For Grilles (No Damper), Deduct</i>	-67.49	
			<i>For Stainless Steel, Add</i>	843.58	
23 37 13 00-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	540.03	34.69
			<i>For Steel Construction, Deduct</i>	-40.16	
			<i>For Flat Frame, Deduct</i>	-4.02	
			<i>For Grilles (No Damper), Deduct</i>	-80.32	
			<i>For Stainless Steel, Add</i>	1,003.98	
23 37 13 00-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	568.31	34.69
			<i>For Steel Construction, Deduct</i>	-42.99	
			<i>For Flat Frame, Deduct</i>	-4.30	
			<i>For Grilles (No Damper), Deduct</i>	-85.97	
			<i>For Stainless Steel, Add</i>	1,074.68	
23 37 13 00-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 00-0068)					
23 37 13 00-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	36.13	8.26
23 37 13 00-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	36.13	8.26
23 37 13 00-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	38.68	8.26
23 37 13 00-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	39.69	8.26
23 37 13 00-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	38.68	8.26
23 37 13 00-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	39.69	8.26
23 37 13 00-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.50	10.83
23 37 13 00-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.52	10.83
23 37 13 00-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	47.48	10.83
23 37 13 00-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.52	10.83
23 37 13 00-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	50.54	10.83
23 37 13 00-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	51.56	10.83
23 37 13 00-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	50.03	10.83
23 37 13 00-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	52.07	10.83
23 37 13 00-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	53.08	10.83
23 37 13 00-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.67	10.83
23 37 13 00-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	52.07	10.83
23 37 13 00-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	55.63	10.83
23 37 13 00-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.67	10.83
23 37 13 00-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	75.79	15.97
23 37 13 00-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	76.81	15.97
23 37 13 00-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	74.77	15.97
23 37 13 00-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.72	18.54
23 37 13 00-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.76	15.97
23 37 13 00-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.81	18.54
23 37 13 00-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	51.05	10.83
23 37 13 00-0142	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	74.77	15.97
23 37 13 00-0143	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.67	21.11
23 37 13 00-0144	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.76	15.97
23 37 13 00-0145	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	75.79	15.97
23 37 13 00-0146	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.66	18.54
			<i>For Lay-In Installation, Deduct</i>	-39.17	
23 37 13 00-0147	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.72	18.54
23 37 13 00-0148	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	101.56	21.11
23 37 13 00-0149	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	104.62	21.11
23 37 13 00-0150	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	108.18	21.11
23 37 13 00-0151	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	114.80	21.11
			<i>For Lay-In Installation, Deduct</i>	-44.83	
23 37 13 00-0152	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.19	18.54
23 37 13 00-0153	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	138.85	23.14
23 37 13 00-0154	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	228.25	28.28
			<i>For Lay-In Installation, Deduct</i>	-64.53	
23 37 13 00-0155 Supply Registers and Grilles (23 37 13)					
23 37 13 00-0156 Adjustable Curved Blade Register (23 37 13 00-0155)					
Note: Ceiling mount aluminum construction four way pattern flush frame.					
23 37 13 00-0157	EA		6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	55.65	6.77
			<i>For Steel Construction, Deduct</i>	-4.42	
			<i>For Lay In Frame, Deduct</i>	-7.36	
			<i>For Three Way Pattern, Deduct</i>	-2.94	
			<i>For Two Way Pattern, Deduct</i>	-2.36	
			<i>For One Way Pattern, Deduct</i>	-2.36	
			<i>For Grille (No Damper), Deduct</i>	-4.42	
			<i>For Stainless Steel, Add</i>	73.60	
23 37 13 00-0158	EA		8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	57.38	6.77
			<i>For Steel Construction, Deduct</i>	-4.68	
			<i>For Lay In Frame, Deduct</i>	-7.79	
			<i>For Three Way Pattern, Deduct</i>	-3.12	
			<i>For Two Way Pattern, Deduct</i>	-2.49	
			<i>For One Way Pattern, Deduct</i>	-2.49	
			<i>For Grille (No Damper), Deduct</i>	-4.68	
			<i>For Stainless Steel, Add</i>	77.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0159 EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	64.94	9.30
<i>For Steel Construction, Deduct</i>	-4.42	
<i>For Lay In Frame, Deduct</i>	-7.36	
<i>For Three Way Pattern, Deduct</i>	-2.94	
<i>For Two Way Pattern, Deduct</i>	-2.36	
<i>For One Way Pattern, Deduct</i>	-2.36	
<i>For Grille (No Damper), Deduct</i>	-4.42	
<i>For Stainless Steel, Add</i>	73.60	
23 37 13 00-0160 EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	71.29	8.46
<i>For Steel Construction, Deduct</i>	-5.37	
<i>For Lay In Frame, Deduct</i>	-8.95	
<i>For Three Way Pattern, Deduct</i>	-3.58	
<i>For Two Way Pattern, Deduct</i>	-2.86	
<i>For One Way Pattern, Deduct</i>	-2.86	
<i>For Grille (No Damper), Deduct</i>	-5.37	
<i>For Stainless Steel, Add</i>	89.48	
23 37 13 00-0161 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	85.86	10.99
<i>For Steel Construction, Deduct</i>	-6.41	
<i>For Lay In Frame, Deduct</i>	-10.68	
<i>For Three Way Pattern, Deduct</i>	-4.27	
<i>For Two Way Pattern, Deduct</i>	-3.42	
<i>For One Way Pattern, Deduct</i>	-3.42	
<i>For Grille (No Damper), Deduct</i>	-6.41	
<i>For Stainless Steel, Add</i>	106.80	
23 37 13 00-0162 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	105.63	12.69
<i>For Steel Construction, Deduct</i>	-7.97	
<i>For Lay In Frame, Deduct</i>	-13.28	
<i>For Three Way Pattern, Deduct</i>	-5.31	
<i>For Two Way Pattern, Deduct</i>	-4.25	
<i>For One Way Pattern, Deduct</i>	-4.25	
<i>For Grille (No Damper), Deduct</i>	-7.97	
<i>For Stainless Steel, Add</i>	132.78	
23 37 13 00-0163 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	105.63	12.69
<i>For Steel Construction, Deduct</i>	-7.97	
<i>For Lay In Frame, Deduct</i>	-13.28	
<i>For Three Way Pattern, Deduct</i>	-5.31	
<i>For Two Way Pattern, Deduct</i>	-4.25	
<i>For One Way Pattern, Deduct</i>	-4.25	
<i>For Grille (No Damper), Deduct</i>	-7.97	
<i>For Stainless Steel, Add</i>	132.78	
23 37 13 00-0164 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	130.59	16.92
<i>For Steel Construction, Deduct</i>	-9.70	
<i>For Lay In Frame, Deduct</i>	-16.17	
<i>For Three Way Pattern, Deduct</i>	-6.47	
<i>For Two Way Pattern, Deduct</i>	-5.17	
<i>For One Way Pattern, Deduct</i>	-5.17	
<i>For Grille (No Damper), Deduct</i>	-9.70	
<i>For Stainless Steel, Add</i>	161.65	
23 37 13 00-0165 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	166.78	17.77
<i>For Steel Construction, Deduct</i>	-14.63	
<i>For Lay In Frame, Deduct</i>	-24.39	
<i>For Three Way Pattern, Deduct</i>	-9.76	
<i>For Two Way Pattern, Deduct</i>	-7.80	
<i>For One Way Pattern, Deduct</i>	-7.80	
<i>For Grille (No Damper), Deduct</i>	-14.63	
<i>For Stainless Steel, Add</i>	243.90	
23 37 13 00-0166 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	259.10	35.87
<i>For Steel Construction, Deduct</i>	-28.10	
<i>For Lay In Frame, Deduct</i>	-46.84	
<i>For Three Way Pattern, Deduct</i>	-18.73	
<i>For Two Way Pattern, Deduct</i>	-14.99	
<i>For One Way Pattern, Deduct</i>	-14.99	
<i>For Grille (No Damper), Deduct</i>	-28.10	
<i>For Stainless Steel, Add</i>	468.35	
23 37 13 00-0167 Removable-Reversible Core Registers <small>(23 37 13 00-0155)</small>		
Note: Double deflection radiused frame aluminum construction.		
23 37 13 00-0168 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	63.16	6.77
<i>For Steel Construction, Deduct</i>	-3.70	
<i>For Flat Frame, Deduct</i>	-3.70	
<i>For Grille (No Damper), Deduct</i>	-11.09	
<i>For Stainless Steel, Add</i>	92.38	
23 37 13 00-0169 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	78.17	6.77
<i>For Steel Construction, Deduct</i>	-5.20	
<i>For Flat Frame, Deduct</i>	-5.20	
<i>For Grille (No Damper), Deduct</i>	-15.59	
<i>For Stainless Steel, Add</i>	129.90	
23 37 13 00-0170 EA 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	100.16	9.30
<i>For Steel Construction, Deduct</i>	-6.47	
<i>For Flat Frame, Deduct</i>	-6.47	
<i>For Grille (No Damper), Deduct</i>	-19.40	
<i>For Stainless Steel, Add</i>	161.65	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0171 EA 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	101.31	9.30
For Steel Construction, Deduct	-6.58	
For Flat Frame, Deduct	-6.58	
For Grille (No Damper), Deduct	-19.74	
For Stainless Steel, Add	164.53	
23 37 13 00-0172 EA 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	128.58	10.99
For Steel Construction, Deduct	-8.54	
For Flat Frame, Deduct	-8.54	
For Grille (No Damper), Deduct	-25.63	
For Stainless Steel, Add	213.60	
23 37 13 00-0173 EA 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	180.68	13.53
For Steel Construction, Deduct	-12.82	
For Flat Frame, Deduct	-12.82	
For Grille (No Damper), Deduct	-38.45	
For Stainless Steel, Add	320.40	
23 37 13 00-0174 EA 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	201.46	12.69
For Steel Construction, Deduct	-14.89	
For Flat Frame, Deduct	-14.89	
For Grille (No Damper), Deduct	-44.68	
For Stainless Steel, Add	372.35	
23 37 13 00-0175 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	243.74	16.92
For Steel Construction, Deduct	-17.78	
For Flat Frame, Deduct	-17.78	
For Grille (No Damper), Deduct	-53.34	
For Stainless Steel, Add	444.53	
23 37 13 00-0176 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	303.60	16.92
For Steel Construction, Deduct	-23.44	
For Flat Frame, Deduct	-23.44	
For Grille (No Damper), Deduct	-70.31	
For Stainless Steel, Add	585.95	
23 37 13 00-0177 Adjustable Shutter Blade Registers <small>(23 37 13 00-0155)</small>		
Note: Double deflection flat frame aluminum construction.		
23 37 13 00-0178 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	93.56	6.77
For Steel Construction, Deduct	-6.74	
For Single Deflection, Deduct	-13.47	
For Grille (No Damper), Deduct	-10.10	
For Stainless Steel, Add	168.38	
23 37 13 00-0179 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	107.03	6.77
For Steel Construction, Deduct	-8.08	
For Single Deflection, Deduct	-16.16	
For Grille (No Damper), Deduct	-12.12	
For Stainless Steel, Add	202.05	
23 37 13 00-0180 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	116.32	9.30
For Steel Construction, Deduct	-8.08	
For Single Deflection, Deduct	-16.16	
For Grille (No Damper), Deduct	-12.12	
For Stainless Steel, Add	202.05	
23 37 13 00-0181 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	120.17	8.46
For Steel Construction, Deduct	-8.47	
For Single Deflection, Deduct	-16.93	
For Grille (No Damper), Deduct	-12.70	
For Stainless Steel, Add	211.68	
23 37 13 00-0182 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	147.05	10.99
For Steel Construction, Deduct	-10.39	
For Single Deflection, Deduct	-20.78	
For Grille (No Damper), Deduct	-15.59	
For Stainless Steel, Add	259.78	
23 37 13 00-0183 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	194.92	12.69
For Steel Construction, Deduct	-14.24	
For Single Deflection, Deduct	-28.48	
For Grille (No Damper), Deduct	-21.36	
For Stainless Steel, Add	356.00	
23 37 13 00-0184 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	227.64	13.53
For Steel Construction, Deduct	-17.51	
For Single Deflection, Deduct	-35.02	
For Grille (No Damper), Deduct	-26.27	
For Stainless Steel, Add	437.80	
23 37 13 00-0185 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	281.46	16.92
For Steel Construction, Deduct	-21.55	
For Single Deflection, Deduct	-43.11	
For Grille (No Damper), Deduct	-32.33	
For Stainless Steel, Add	538.83	
23 37 13 00-0186 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	382.89	17.77
For Steel Construction, Deduct	-31.37	
For Single Deflection, Deduct	-62.73	
For Grille (No Damper), Deduct	-47.05	
For Stainless Steel, Add	784.18	
23 37 13 00-0187 Air Conditioning And Ventilation <small>(23 37 13 00-0155)</small>		
23 37 13 00-0188 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	48.86	17.77
For Stainless Steel, Add	33.40	
23 37 13 00-0189 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	79.60	26.44
For Stainless Steel, Add	66.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0190 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	118.56	37.01
<i>For Stainless Steel, Add</i>	111.33	
23 37 13 00-0191 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	248.48	50.76
<i>For Stainless Steel, Add</i>	367.38	
23 37 13 00-0192 Security Supply Or Return Grille <small>(23 37 13 00-0155)</small>		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 00-0193 EA 8" x 4" Steel Security Grille	143.31	12.69
<i>For Anchoring Tabs, Add</i>	11.79	
<i>For Angle Iron Frame, Add</i>	20.23	
<i>For Rear Operated Opposed Blade Damper, Add</i>	43.81	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	29.48	
<i>For Stainless Steel, Add</i>	153.31	
23 37 13 00-0194 EA 8" x 6" Steel Security Grille	158.46	13.11
<i>For Anchoring Tabs, Add</i>	13.22	
<i>For Angle Iron Frame, Add</i>	22.46	
<i>For Rear Operated Opposed Blade Damper, Add</i>	48.90	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	33.06	
<i>For Stainless Steel, Add</i>	171.90	
23 37 13 00-0195 EA 8" x 8" Steel Security Grille	181.50	14.81
<i>For Anchoring Tabs, Add</i>	15.19	
<i>For Angle Iron Frame, Add</i>	25.74	
<i>For Rear Operated Opposed Blade Damper, Add</i>	56.12	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	37.97	
<i>For Stainless Steel, Add</i>	197.44	
23 37 13 00-0196 EA 10" x 4" Steel Security Grille	159.21	14.38
<i>For Anchoring Tabs, Add</i>	13.04	
<i>For Angle Iron Frame, Add</i>	22.44	
<i>For Rear Operated Opposed Blade Damper, Add</i>	48.53	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	32.61	
<i>For Stainless Steel, Add</i>	169.57	
23 37 13 00-0197 EA 10" x 6" Steel Security Grille	169.84	15.23
<i>For Anchoring Tabs, Add</i>	13.94	
<i>For Angle Iron Frame, Add</i>	23.95	
<i>For Rear Operated Opposed Blade Damper, Add</i>	51.83	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	34.84	
<i>For Stainless Steel, Add</i>	181.18	
23 37 13 00-0198 EA 10" x 8" Steel Security Grille	193.81	16.50
<i>For Anchoring Tabs, Add</i>	16.08	
<i>For Angle Iron Frame, Add</i>	27.42	
<i>For Rear Operated Opposed Blade Damper, Add</i>	59.58	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	40.20	
<i>For Stainless Steel, Add</i>	209.05	
23 37 13 00-0199 EA 10" x 10" Steel Security Grille	216.01	17.78
<i>For Anchoring Tabs, Add</i>	18.05	
<i>For Angle Iron Frame, Add</i>	30.62	
<i>For Rear Operated Opposed Blade Damper, Add</i>	66.72	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	45.12	
<i>For Stainless Steel, Add</i>	234.61	
23 37 13 00-0200 EA 12" x 4" Steel Security Grille	167.96	16.07
<i>For Anchoring Tabs, Add</i>	13.58	
<i>For Angle Iron Frame, Add</i>	23.59	
<i>For Rear Operated Opposed Blade Damper, Add</i>	50.75	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	33.95	
<i>For Stainless Steel, Add</i>	176.54	
23 37 13 00-0201 EA 12" x 6" Steel Security Grille	187.42	17.78
<i>For Anchoring Tabs, Add</i>	15.19	
<i>For Angle Iron Frame, Add</i>	26.34	
<i>For Rear Operated Opposed Blade Damper, Add</i>	56.71	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	37.97	
<i>For Stainless Steel, Add</i>	197.44	
23 37 13 00-0202 EA 12" x 8" Steel Security Grille	213.19	19.04
<i>For Anchoring Tabs, Add</i>	17.51	
<i>For Angle Iron Frame, Add</i>	30.07	
<i>For Rear Operated Opposed Blade Damper, Add</i>	65.10	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	43.78	
<i>For Stainless Steel, Add</i>	227.64	
23 37 13 00-0203 EA 12" x 10" Steel Security Grille	231.80	20.31
<i>For Anchoring Tabs, Add</i>	19.12	
<i>For Angle Iron Frame, Add</i>	32.74	
<i>For Rear Operated Opposed Blade Damper, Add</i>	70.98	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	47.80	
<i>For Stainless Steel, Add</i>	248.55	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0204	EA		12" x 12" Steel Security Grille	255.79	21.58
			<i>For Anchoring Tabs, Add</i>	21.26	
			<i>For Angle Iron Frame, Add</i>	36.21	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	78.74	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	53.16	
			<i>For Stainless Steel, Add</i>	276.42	
23 37 13 00-0205	EA		14" x 4" Steel Security Grille	179.42	17.35
			<i>For Anchoring Tabs, Add</i>	14.47	
			<i>For Angle Iron Frame, Add</i>	25.18	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	54.12	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	36.18	
			<i>For Stainless Steel, Add</i>	188.15	
23 37 13 00-0206	EA		14" x 6" Steel Security Grille	201.62	18.62
			<i>For Anchoring Tabs, Add</i>	16.44	
			<i>For Angle Iron Frame, Add</i>	28.38	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	61.26	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	41.10	
			<i>For Stainless Steel, Add</i>	213.71	
23 37 13 00-0207	EA		14" x 8" Steel Security Grille	224.65	20.31
			<i>For Anchoring Tabs, Add</i>	18.40	
			<i>For Angle Iron Frame, Add</i>	31.67	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	68.48	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	46.01	
			<i>For Stainless Steel, Add</i>	239.25	
23 37 13 00-0208	EA		14" x 10" Steel Security Grille	253.07	22.00
			<i>For Anchoring Tabs, Add</i>	20.91	
			<i>For Angle Iron Frame, Add</i>	35.76	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	77.57	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	52.27	
			<i>For Stainless Steel, Add</i>	271.78	
23 37 13 00-0209	EA		14" x 12" Steel Security Grille	278.73	24.12
			<i>For Anchoring Tabs, Add</i>	23.05	
			<i>For Angle Iron Frame, Add</i>	39.40	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	85.50	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	57.63	
			<i>For Stainless Steel, Add</i>	299.65	
23 37 13 00-0210	EA		14" x 14" Steel Security Grille	299.98	25.81
			<i>For Anchoring Tabs, Add</i>	24.84	
			<i>For Angle Iron Frame, Add</i>	42.42	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	92.09	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	62.09	
			<i>For Stainless Steel, Add</i>	322.88	
23 37 13 00-0211	EA		16" x 6" Steel Security Grille	215.72	20.31
			<i>For Anchoring Tabs, Add</i>	17.51	
			<i>For Angle Iron Frame, Add</i>	30.33	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	65.35	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	43.78	
			<i>For Stainless Steel, Add</i>	227.64	
23 37 13 00-0212	EA		16" x 8" Steel Security Grille	245.92	22.00
			<i>For Anchoring Tabs, Add</i>	20.19	
			<i>For Angle Iron Frame, Add</i>	34.69	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	75.07	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	50.48	
			<i>For Stainless Steel, Add</i>	262.48	
23 37 13 00-0213	EA		16" x 10" Steel Security Grille	265.38	23.69
			<i>For Anchoring Tabs, Add</i>	21.80	
			<i>For Angle Iron Frame, Add</i>	37.44	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	81.04	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	54.50	
			<i>For Stainless Steel, Add</i>	283.39	
23 37 13 00-0214	EA		16" x 12" Steel Security Grille	298.29	24.96
			<i>For Anchoring Tabs, Add</i>	24.84	
			<i>For Angle Iron Frame, Add</i>	42.25	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	91.92	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	62.09	
			<i>For Stainless Steel, Add</i>	322.88	
23 37 13 00-0215	EA		16" x 14" Steel Security Grille	315.97	26.65
			<i>For Anchoring Tabs, Add</i>	26.27	
			<i>For Angle Iron Frame, Add</i>	44.73	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	97.26	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	65.67	
			<i>For Stainless Steel, Add</i>	341.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0216 EA 16" x 16" Steel Security Grille	342.59	28.34
For Anchoring Tabs, Add	28.59	
For Angle Iron Frame, Add	48.55	
For Rear Operated Opposed Blade Damper, Add	105.73	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	71.47	
For Stainless Steel, Add	371.66	
23 37 13 00-0217 EA 18" x 6" Steel Security Grille	229.74	22.85
For Anchoring Tabs, Add	18.40	
For Angle Iron Frame, Add	32.18	
For Rear Operated Opposed Blade Damper, Add	68.98	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	46.01	
For Stainless Steel, Add	239.25	
23 37 13 00-0218 EA 18" x 8" Steel Security Grille	261.71	24.54
For Anchoring Tabs, Add	21.26	
For Angle Iron Frame, Add	36.80	
For Rear Operated Opposed Blade Damper, Add	79.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	53.16	
For Stainless Steel, Add	276.42	
23 37 13 00-0219 EA 18" x 10" Steel Security Grille	286.53	26.23
For Anchoring Tabs, Add	23.41	
For Angle Iron Frame, Add	40.36	
For Rear Operated Opposed Blade Damper, Add	87.17	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	58.52	
For Stainless Steel, Add	304.29	
23 37 13 00-0220 EA 18" x 12" Steel Security Grille	314.94	27.92
For Anchoring Tabs, Add	25.91	
For Angle Iron Frame, Add	44.45	
For Rear Operated Opposed Blade Damper, Add	96.27	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	64.77	
For Stainless Steel, Add	336.82	
23 37 13 00-0221 EA 18" x 14" Steel Security Grille	335.54	27.50
For Anchoring Tabs, Add	28.05	
For Angle Iron Frame, Add	47.58	
For Rear Operated Opposed Blade Damper, Add	103.69	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.13	
For Stainless Steel, Add	364.69	
23 37 13 00-0222 EA 18" x 16" Steel Security Grille	366.66	28.78
For Anchoring Tabs, Add	30.91	
For Angle Iron Frame, Add	52.12	
For Rear Operated Opposed Blade Damper, Add	113.95	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	77.28	
For Stainless Steel, Add	401.86	
23 37 13 00-0223 EA 18" x 18" Steel Security Grille	392.43	30.04
For Anchoring Tabs, Add	33.24	
For Angle Iron Frame, Add	55.86	
For Rear Operated Opposed Blade Damper, Add	122.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	83.09	
For Stainless Steel, Add	432.06	
23 37 13 00-0224 EA 20" x 6" Steel Security Grille	246.47	24.96
For Anchoring Tabs, Add	19.66	
For Angle Iron Frame, Add	34.47	
For Rear Operated Opposed Blade Damper, Add	73.78	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	49.14	
For Stainless Steel, Add	255.52	
23 37 13 00-0225 EA 20" x 8" Steel Security Grille	278.36	27.50
For Anchoring Tabs, Add	22.34	
For Angle Iron Frame, Add	39.00	
For Rear Operated Opposed Blade Damper, Add	83.67	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	55.84	
For Stainless Steel, Add	290.36	
23 37 13 00-0226 EA 20" x 10" Steel Security Grille	305.91	28.78
For Anchoring Tabs, Add	24.84	
For Angle Iron Frame, Add	43.01	
For Rear Operated Opposed Blade Damper, Add	92.68	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	62.09	
For Stainless Steel, Add	322.88	
23 37 13 00-0227 EA 20" x 12" Steel Security Grille	336.09	30.47
For Anchoring Tabs, Add	27.52	
For Angle Iron Frame, Add	47.37	
For Rear Operated Opposed Blade Damper, Add	102.40	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	68.79	
For Stainless Steel, Add	357.72	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0228	EA		20" x 14" Steel Security Grille	369.01	31.74
			For Anchoring Tabs, Add	30.56	
			For Angle Iron Frame, Add	52.18	
			For Rear Operated Opposed Blade Damper, Add	113.29	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	76.39	
			For Stainless Steel, Add	397.22	
23 37 13 00-0229	EA		20" x 16" Steel Security Grille	398.35	33.00
			For Anchoring Tabs, Add	33.24	
			For Angle Iron Frame, Add	56.45	
			For Rear Operated Opposed Blade Damper, Add	122.92	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	83.09	
			For Stainless Steel, Add	432.06	
23 37 13 00-0230	EA		20" x 18" Steel Security Grille	425.91	34.27
			For Anchoring Tabs, Add	35.74	
			For Angle Iron Frame, Add	60.46	
			For Rear Operated Opposed Blade Damper, Add	131.93	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	89.34	
			For Stainless Steel, Add	464.58	
23 37 13 00-0231	EA		20" x 20" Steel Security Grille	458.82	35.54
			For Anchoring Tabs, Add	38.77	
			For Angle Iron Frame, Add	65.27	
			For Rear Operated Opposed Blade Damper, Add	142.82	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	96.94	
			For Stainless Steel, Add	504.06	
23 37 13 00-0232	EA		24" x 6" Steel Security Grille	273.83	27.92
			For Anchoring Tabs, Add	21.80	
			For Angle Iron Frame, Add	38.28	
			For Rear Operated Opposed Blade Damper, Add	81.88	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	54.50	
			For Stainless Steel, Add	283.39	
23 37 13 00-0233	EA		24" x 8" Steel Security Grille	309.29	30.47
			For Anchoring Tabs, Add	24.84	
			For Angle Iron Frame, Add	43.35	
			For Rear Operated Opposed Blade Damper, Add	93.02	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.09	
			For Stainless Steel, Add	322.88	
23 37 13 00-0234	EA		24" x 10" Steel Security Grille	337.79	31.31
			For Anchoring Tabs, Add	27.52	
			For Angle Iron Frame, Add	47.54	
			For Rear Operated Opposed Blade Damper, Add	102.57	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	68.79	
			For Stainless Steel, Add	357.72	
23 37 13 00-0235	EA		24" x 12" Steel Security Grille	378.50	34.69
			For Anchoring Tabs, Add	30.91	
			For Angle Iron Frame, Add	53.31	
			For Rear Operated Opposed Blade Damper, Add	115.13	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	77.28	
			For Stainless Steel, Add	401.86	
23 37 13 00-0236	EA		24" x 14" Steel Security Grille	407.84	35.96
			For Anchoring Tabs, Add	33.59	
			For Angle Iron Frame, Add	57.58	
			For Rear Operated Opposed Blade Damper, Add	124.76	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	83.98	
			For Stainless Steel, Add	436.70	
23 37 13 00-0237	EA		24" x 16" Steel Security Grille	444.32	37.23
			For Anchoring Tabs, Add	36.99	
			For Angle Iron Frame, Add	62.93	
			For Rear Operated Opposed Blade Damper, Add	136.90	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	92.47	
			For Stainless Steel, Add	480.83	
23 37 13 00-0238	EA		24" x 18" Steel Security Grille	486.17	38.50
			For Anchoring Tabs, Add	40.92	
			For Angle Iron Frame, Add	69.08	
			For Rear Operated Opposed Blade Damper, Add	150.91	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	102.30	
			For Stainless Steel, Add	531.93	
23 37 13 00-0239	EA		24" x 20" Steel Security Grille	515.52	39.77
			For Anchoring Tabs, Add	43.60	
			For Angle Iron Frame, Add	73.35	
			For Rear Operated Opposed Blade Damper, Add	160.55	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	109.00	
			For Stainless Steel, Add	566.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0240 EA 24" x 24" Steel Security Grille.....	577.77	42.31
For Anchoring Tabs, Add	49.32	
For Angle Iron Frame, Add	82.44	
For Rear Operated Opposed Blade Damper, Add	181.07	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	123.29	
For Stainless Steel, Add	641.12	
23 37 13 00-0241 Square Wall Return Air And Exhaust Grilles (23 37 13 00-0155)		
Note: Egg crate design aluminum construction.		
23 37 13 00-0242 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	50.34	21.16
23 37 13 00-0243 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	52.81	21.16
23 37 13 00-0244 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	78.91	31.74
23 37 13 00-0245 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	91.26	31.74
23 37 13 00-0246 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	140.20	42.31
23 37 13 00-0247 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	214.85	42.30
23 37 13 00-0248 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 00-0155)		
Note: Aluminum construction.		
23 37 13 00-0249 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	140.42	15.23
23 37 13 00-0250 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	157.74	15.23
23 37 13 00-0251 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	188.93	16.92
23 37 13 00-0252 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	219.70	16.92
23 37 13 00-0253 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	287.89	52.89
23 37 13 00-0254 Square Ceiling Return Air And Exhaust Grilles (23 37 13 00-0155)		
Note: Egg crate design, plastic construction.		
23 37 13 00-0255 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	29.52	10.13
23 37 13 00-0256 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	41.15	10.20
23 37 13 00-0257 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 00-0155)		
Note: Painted steel louvers and frame.		
23 37 13 00-0258 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	80.10	15.23
23 37 13 00-0259 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	103.86	15.23
23 37 13 00-0260 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	125.03	16.07
23 37 13 00-0261 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	165.44	19.20
23 37 13 00-0262 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	184.99	35.29
23 37 13 00-0263 Stainless Steel Devices (23 37 13 00-0155)		
23 37 13 00-0264 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 00-0263)		
23 37 13 00-0265 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	161.59	13.21
For 316 Stainless Steel, Add	27.92	
23 37 13 00-0266 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	136.12	13.21
For 316 Stainless Steel, Add	22.82	
23 37 13 00-0267 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0268 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	122.00	13.21
For 316 Stainless Steel, Add	20.00	
23 37 13 00-0269 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	103.48	13.21
For 316 Stainless Steel, Add	16.30	
23 37 13 00-0270 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0271 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille.....	179.30	13.21
For 316 Stainless Steel, Add	31.46	
23 37 13 00-0272 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille.....	152.56	13.21
For 316 Stainless Steel, Add	26.11	
23 37 13 00-0273 304 Stainless Steel Return Grilles (23 37 13 00-0263)		
23 37 13 00-0274 SF Up To 4 SF, 304 Stainless Steel Return Grille.....	122.00	13.21
For 316 Stainless Steel, Add	20.00	
23 37 13 00-0275 SF >4 SF, 304 Stainless Steel Return Grille.....	103.48	13.21
For 316 Stainless Steel, Add	16.30	
23 37 13 00-0276 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0277 SF Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	122.00	13.21
For 316 Stainless Steel, Add	20.00	
23 37 13 00-0278 SF >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	103.48	13.21
For 316 Stainless Steel, Add	16.30	
23 37 13 00-0279 304 Stainless Steel, Perforated Return Grilles (23 37 13 00-0263)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0280 SF Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	122.00	13.21
For 316 Stainless Steel, Add	20.00	
23 37 13 00-0281 SF >4 SF, 304 Stainless Steel, Perforated Return Grille.....	98.39	13.21
For 316 Stainless Steel, Add	15.28	
23 37 13 00-0282 304 Stainless Steel, Perforated Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0283 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	148.05	13.21
For 316 Stainless Steel, Add	25.21	
23 37 13 00-0284 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille.....	101.10	13.21
For 316 Stainless Steel, Add	15.82	
23 37 13 00-0285 304 Stainless Steel, Door Grilles (23 37 13 00-0263)		
23 37 13 00-0286 SF Up To 4 SF, 304 Stainless Steel, Door Grille.....	222.01	13.21
For 316 Stainless Steel, Add	40.00	
23 37 13 00-0287 SF >4 SF, 304 Stainless Steel, Door Grille.....	184.98	13.21
For 316 Stainless Steel, Add	32.60	
23 37 13 00-0288 304 Stainless Steel, Linear Bar Grilles (23 37 13 00-0263)		
23 37 13 00-0289 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	284.16	13.21
For 316 Stainless Steel, Add	52.43	
23 37 13 00-0290 SF >4 SF, 304 Stainless Steel, Linear Bar Grille.....	243.07	13.21
For 316 Stainless Steel, Add	44.21	
23 37 13 00-0291 304 Stainless Steel, Hinged Filter Grilles (23 37 13 00-0263)		
23 37 13 00-0292 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	208.47	13.21
For 316 Stainless Steel, Add	37.29	
23 37 13 00-0293 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille.....	143.65	13.21
For 316 Stainless Steel, Add	24.33	
23 37 13 00-0294 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 00-0263)		
23 37 13 00-0295 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	111.59	13.21
For 316 Stainless Steel, Add	17.92	
23 37 13 00-0296 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	84.62	13.21
For 316 Stainless Steel, Add	12.52	
23 37 13 00-0297 304 Stainless Steel, Plaster Frames Replacement (23 37 13 00-0263)		
Note: For frequent replacement.		
23 37 13 00-0298 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	86.59	13.21
For 316 Stainless Steel, Add	12.92	
23 37 13 00-0299 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement	45.26	13.21
For 316 Stainless Steel, Add	4.65	
23 37 13 00-0300 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 00-0263)		
23 37 13 00-0301 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser.....	205.34	13.21
For 316 Stainless Steel, Add	36.67	
23 37 13 00-0302 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser.....	160.32	13.21
For 316 Stainless Steel, Add	27.66	
23 37 13 00-0303 304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0304 SF Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	70.96	13.21
For 316 Stainless Steel, Add	9.79	
23 37 13 00-0305 SF >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	70.96	13.21
For 316 Stainless Steel, Add	9.79	
23 37 13 00-0306 Security Registers And Grilles (23 37 13)		
23 37 13 00-0307 Maximum Security Steel Supply / Return Registers (23 37 13 00-0306)		
Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0308 EA 6" x 6" Maximum Security Supply/ Return Register	133.43	9.47
23 37 13 00-0309 EA 9" x 9" Maximum Security Supply/ Return Register	191.34	11.27
23 37 13 00-0310 EA 12" x 6" Maximum Security Supply/ Return Register	179.20	11.83
23 37 13 00-0311 EA 12" x 8" Maximum Security Supply/ Return Register	206.90	13.66
23 37 13 00-0312 EA 10" x 10" Maximum Security Supply/ Return Register	193.71	11.83
23 37 13 00-0313 EA 14" x 12" Maximum Security Supply/ Return Register	268.35	16.65
23 37 13 00-0314 EA 14" x 14" Maximum Security Supply/ Return Register	303.30	17.93
23 37 13 00-0315 EA 18" x 18" Maximum Security Supply/ Return Register	404.61	21.30
23 37 13 00-0316 EA 24" x 24" Maximum Security Supply/ Return Registers	578.34	27.23
23 37 13 00-0317 Staff Security Steel Supply Registers (23 37 13 00-0306)		
Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0318 EA 6" x 6" Staff Security Supply Register	101.49	9.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0319	EA			9" x 9" Staff Security Supply Register.....	130.38	11.27
23 37 13 00-0320	EA			12" x 12" Staff Security Supply Register.....	164.92	15.38
23 37 13 00-0321	EA			15" x 15" Staff Security Supply Register.....	233.10	17.76
23 37 13 00-0322	EA			21" x 21" Staff Security Supply Register.....	330.44	23.69
23 37 13 00-0323	EA			24" x 24" Staff Security Supply Register.....	396.90	27.23
23 37 13 00-0324				Staff Security Steel Return Registers (23 37 13 00-0306) Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0325	EA			10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	128.54	10.25
23 37 13 00-0326	EA			6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	116.01	9.47
23 37 13 00-0327	EA			10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	139.89	10.67
23 37 13 00-0328	EA			12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	143.18	11.53
23 37 13 00-0329	EA			12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	177.87	13.66
23 37 13 00-0330	EA			16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	186.58	13.66
23 37 13 00-0331	EA			16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	207.53	14.18
23 37 13 00-0332	EA			12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	208.46	15.38
23 37 13 00-0333	EA			30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	270.73	17.25
23 37 13 00-0334	EA			14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	232.06	16.65
23 37 13 00-0335	EA			28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	288.78	17.76
23 37 13 00-0336	EA			18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	267.01	17.59
23 37 13 00-0337				Maximum Security Steel Grills (23 37 13 00-0306) Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0338	EA			10" x 4" Maximum Security Grill.....	111.12	10.25
23 37 13 00-0339	EA			6" x 6" Maximum Security Grill.....	101.49	9.47
23 37 13 00-0340	EA			10" x 6" Maximum Security Grill.....	119.57	10.67
23 37 13 00-0341	EA			12" x 5" Maximum Security Grill.....	124.31	11.53
23 37 13 00-0342	EA			12" x 8" Maximum Security Grill.....	147.39	13.66
23 37 13 00-0343	EA			16" x 8" Maximum Security Grill.....	169.80	14.18
23 37 13 00-0344	EA			12" x 12" Maximum Security Grill.....	170.72	15.38
23 37 13 00-0345	EA			14" x 12" Maximum Security Grill.....	185.61	16.65
23 37 13 00-0346	EA			30" x 6" Maximum Security Grill.....	227.18	17.25
23 37 13 00-0347	EA			28" x 8" Maximum Security Grill.....	239.43	17.76
23 37 13 00-0348	EA			18" x 12" Maximum Security Grill.....	219.11	17.59
23 37 13 00-0349				Removal And Reinstallation Of Distribution Devices (23 37 13) Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 00-0350	EA			Remove And Reinstall Variable Air Volume Terminal Unit.....	158.64	
23 37 13 00-0351	EA			Remove And Reinstall Fan Powered Variable Volume Terminal Unit.....	174.96	
23 37 13 00-0352	EA			Remove And Reinstall Lay-in Diffuser/Register/Grille.....	26.22	
23 37 13 00-0353	EA			Remove And Reinstall Surface Mounted Diffuser/Register/Grille.....	35.51	
23 38				Ventilation Hoods (23 30)		
23 38 13				Commercial-Kitchen Hoods (23 38)		
23 38 13 16				Standard Commercial-Kitchen Hoods (23 38 13)		
23 38 13 16-0001				Commercial Kitchen Hood Ventilation System (23 38 13 16) Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002				Dry Filter Exhaust Hoods (23 38 13 16-0001) Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003	EA			8' Long x 60" Deep Dry Filter Exhaust Hood.....	4,814.91	648.33
23 38 13 16-0004	EA			8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,029.52	688.85
23 38 13 16-0005	EA			9' Long x 60" Deep Dry Filter Exhaust Hood.....	5,571.80	729.36
23 38 13 16-0006	EA			9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,758.44	769.89
23 38 13 16-0007	EA			10' Long x 60" Deep Dry Filter Exhaust Hood.....	5,977.42	810.41
23 38 13 16-0008	EA			10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,206.24	850.93
23 38 13 16-0009	EA			11' Long x 60" Deep Dry Filter Exhaust Hood.....	6,425.70	891.45
23 38 13 16-0010	EA			11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,650.85	931.98
23 38 13 16-0011	EA			12' Long x 60" Deep Dry Filter Exhaust Hood.....	6,896.59	972.49
23 38 13 16-0012	EA			12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,114.03	1,013.01
23 38 13 16-0013	EA			13' Long x 60" Deep Dry Filter Exhaust Hood.....	7,301.45	1,053.53
23 38 13 16-0014	EA			13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,590.99	1,094.05
23 38 13 16-0015	EA			14' Long x 60" Deep Dry Filter Exhaust Hood.....	8,405.72	1,134.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 38 Ventilation Hoods**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0016	EA		14'-6" Long x 60" Deep Dry Filter Exhaust Hood	8,643.21	1,175.09
23 38 13 16-0017	EA		15" Long x 60" Deep Dry Filter Exhaust Hood	8,948.02	1,215.61
23 38 13 16-0018	EA		15'-6" Long x 60" Deep Dry Filter Exhaust Hood	9,189.13	1,256.14
23 38 13 16-0019	EA		16" Long x 60" Deep Dry Filter Exhaust Hood.....	9,529.13	1,296.65
23 38 13 16-0020			Dry Extractor Exhaust Hoods <small>(23 38 13 16-0001)</small>		
			Note: Includes extractor inserts, exhaust damper, 48" long florescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA		8' Long x 60" Deep Dry Extractor Exhaust Hood	6,489.71	648.33
23 38 13 16-0022	EA		8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	6,714.92	688.85
23 38 13 16-0023	EA		9' Long x 60" Deep Dry Extractor Exhaust Hood	7,289.00	729.36
23 38 13 16-0024	EA		9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	7,518.04	769.89
23 38 13 16-0025	EA		10' Long x 60" Deep Dry Extractor Exhaust Hood	7,747.62	810.41
23 38 13 16-0026	EA		10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	7,965.84	850.93
23 38 13 16-0027	EA		11' Long x 60" Deep Dry Extractor Exhaust Hood	8,195.90	891.45
23 38 13 16-0028	EA		11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	8,415.75	931.98
23 38 13 16-0029	EA		12' Long x 60" Deep Dry Extractor Exhaust Hood	8,624.39	972.49
23 38 13 16-0030	EA		12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	8,905.43	1,013.01
23 38 13 16-0031	EA		13' Long x 60" Deep Dry Extractor Exhaust Hood	9,225.35	1,053.53
23 38 13 16-0032	EA		13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	9,562.59	1,094.05
23 38 13 16-0033	EA		14' Long x 60" Deep Dry Extractor Exhaust Hood	10,223.62	1,134.58
23 38 13 16-0034	EA		14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	10,567.11	1,175.09
23 38 13 16-0035	EA		15' Long x 60" Deep Dry Extractor Exhaust Hood	11,195.22	1,215.61
23 38 13 16-0036	EA		15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	11,833.83	1,256.14
23 38 13 16-0037	EA		16" Long x 60" Deep Dry Extractor Exhaust Hood	12,465.33	1,296.65
23 38 13 16-0038			Single Manifold Water Wash Exhaust Hoods <small>(23 38 13 16-0001)</small>		
			Note: Includes extraction baffles, 48" long florescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA		8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	6,913.71	648.33
23 38 13 16-0040	EA		8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,149.52	688.85
23 38 13 16-0041	EA		9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,734.20	729.36
23 38 13 16-0042	EA		9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,968.54	769.89
23 38 13 16-0043	EA		10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,214.02	810.41
23 38 13 16-0044	EA		10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,442.84	850.93
23 38 13 16-0045	EA		11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,678.20	891.45
23 38 13 16-0046	EA		11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,913.95	931.98
23 38 13 16-0047	EA		12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,127.89	972.49
23 38 13 16-0048	EA		12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,430.13	1,013.01
23 38 13 16-0049	EA		13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,771.25	1,053.53
23 38 13 16-0050	EA		13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	10,129.69	1,094.05
23 38 13 16-0051	EA		14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	10,811.92	1,134.58
23 38 13 16-0052	EA		14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	11,176.61	1,175.09
23 38 13 16-0053	EA		15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	11,863.02	1,215.61
23 38 13 16-0054	EA		15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,226.03	1,256.14
23 38 13 16-0055	EA		16" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,587.23	1,296.65
23 38 13 16-0056	EA		Fan Wash Control Panel.....	4,823.33	324.16
			Note: Includes time clock and backflow preventer.		
23 38 13 16-0057			Utility Distribution System (UDS) <small>(23 38 13 16-0001)</small>		
			Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA		8' Long UDS.....	24,826.59	329.68
23 38 13 16-0059	EA		8'-6" Long UDS	25,559.51	337.70
23 38 13 16-0060	EA		9' Long UDS.....	26,284.43	345.55
23 38 13 16-0061	EA		9'-6" Long UDS	27,015.76	356.58
23 38 13 16-0062	EA		10' Long UDS.....	27,742.51	365.33
23 38 13 16-0063	EA		10'-6" Long UDS	28,462.44	374.57
23 38 13 16-0064	EA		11' Long UDS.....	29,192.16	380.98
23 38 13 16-0065	EA		11'-6" Long UDS	29,921.42	391.02
23 38 13 16-0066	EA		12' Long UDS.....	30,659.08	405.20
23 38 13 16-0067	EA		12'-6" Long UDS	31,406.88	424.49
23 38 13 16-0068	EA		13' Long UDS.....	32,141.07	436.97
23 38 13 16-0069	EA		13'-6" Long UDS	32,885.95	454.80
23 38 13 16-0070	EA		14' Long UDS.....	33,623.89	469.15
23 38 13 16-0071	EA		14'-6" Long UDS	34,363.70	484.46
23 38 13 16-0072	EA		15' Long UDS.....	35,105.57	500.83
23 38 13 16-0073	EA		15'-6" Long UDS.....	35,849.74	518.26
23 38 13 16-0074	EA		16" Long UDS.....	36,583.63	530.66
23 38 13 16-0075			Stainless Steel Exhaust Hood Material <small>(23 38 13 16)</small>		
			Note: Welded seams.		
23 38 13 16-0076	SF		16 Gauge Stainless Steel Exhaust Hood Material	60.59	11.21
23 38 13 16-0077	SF		14 Gauge Stainless Steel Exhaust Hood Material	75.74	14.95
23 38 13 16-0078	SF		12 Gauge Stainless Steel Exhaust Hood Material	105.10	20.18
23 38 13 16-0079	SF		10 Gauge Stainless Steel Exhaust Hood Material	131.30	24.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 40 HVAC Air Cleaning Devices ⁽²³⁾

23 41 Particulate Air Filtration ^(23 40)

23 41 13 Panel Air Filters ^(23 41)

23 41 13 00-0001 Disposable Air Filters ^(23 41 13)

23 41 13 00-0002 EA Throwaway Glass Or Paper Media Filter, Residential 10.15

23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar ^(23 41 13)

23 41 13 00-0004 MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar61.77
 23 41 13 00-0005 MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar..... 59.66
 23 41 13 00-0006 MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar.....2.57

23 41 16 Renewable-Media Air Filters ^(23 41)

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar ^(23 41 16)

23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar 106.30

23 41 19 Washable Air Filters ^(23 41)

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar ^(23 41 19)

23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar 40.59

23 41 33 High-Efficiency Particulate Filtration ^(23 41)

23 41 33 00-0001 HEPA Filters ^(23 41 33)

Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.

23 41 33 00-0002 HEPA Filters DOP Efficiency-95% ^(23 41 33 00-0001)

23 41 33 00-0003	EA 12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete.....	104.19	
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.37	
	<i>For >10 To 25, Deduct</i>	-2.60	
	<i>For >25 To 50, Deduct</i>	-5.21	
	<i>For >50 To 100, Deduct</i>	-7.81	
	<i>For >100, Deduct</i>	-10.42	
23 41 33 00-0004	EA 24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete.....	139.45	13.54
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.71	
	<i>For >10 To 25, Deduct</i>	-3.49	
	<i>For >25 To 50, Deduct</i>	-6.97	
	<i>For >50 To 100, Deduct</i>	-10.46	
	<i>For >100, Deduct</i>	-13.95	
23 41 33 00-0005	EA 24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete.....	163.28	15.65
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.13	
	<i>For >10 To 25, Deduct</i>	-4.08	
	<i>For >25 To 50, Deduct</i>	-8.16	
	<i>For >50 To 100, Deduct</i>	-12.25	
	<i>For >100, Deduct</i>	-16.33	
23 41 33 00-0006	EA 24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete.....	187.14	17.78
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.55	
	<i>For >10 To 25, Deduct</i>	-4.68	
	<i>For >25 To 50, Deduct</i>	-9.36	
	<i>For >50 To 100, Deduct</i>	-14.04	
	<i>For >100, Deduct</i>	-18.71	
23 41 33 00-0007	EA 12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete.....	127.66	12.69
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.54	
	<i>For >10 To 25, Deduct</i>	-3.19	
	<i>For >25 To 50, Deduct</i>	-6.38	
	<i>For >50 To 100, Deduct</i>	-9.57	
	<i>For >100, Deduct</i>	-12.77	
23 41 33 00-0008	EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete.....	172.37	14.81
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.96	
	<i>For >10 To 25, Deduct</i>	-4.31	
	<i>For >25 To 50, Deduct</i>	-8.62	
	<i>For >50 To 100, Deduct</i>	-12.93	
	<i>For >100, Deduct</i>	-17.24	
23 41 33 00-0009	EA 24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete.....	206.35	16.92
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.39	
	<i>For >10 To 25, Deduct</i>	-5.16	
	<i>For >25 To 50, Deduct</i>	-10.32	
	<i>For >50 To 100, Deduct</i>	-15.48	
	<i>For >100, Deduct</i>	-20.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0010	EA		24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	244.56	21.16
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.23	
			<i>For >10 To 25, Deduct</i>	-6.11	
			<i>For >25 To 50, Deduct</i>	-12.23	
			<i>For >50 To 100, Deduct</i>	-18.34	
			<i>For >100, Deduct</i>	-24.46	
23 41 33 00-0011			HEPA Filters DOP Efficiency-99.99% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012	EA		12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	89.09	10.58
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.12	
			<i>For >10 To 25, Deduct</i>	-2.23	
			<i>For >25 To 50, Deduct</i>	-4.45	
			<i>For >50 To 100, Deduct</i>	-6.68	
			<i>For >100, Deduct</i>	-8.91	
23 41 33 00-0013	EA		24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	124.10	12.69
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.54	
			<i>For >10 To 25, Deduct</i>	-3.10	
			<i>For >25 To 50, Deduct</i>	-6.21	
			<i>For >50 To 100, Deduct</i>	-9.31	
			<i>For >100, Deduct</i>	-12.41	
23 41 33 00-0014	EA		24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	191.82	14.81
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.96	
			<i>For >10 To 25, Deduct</i>	-4.80	
			<i>For >25 To 50, Deduct</i>	-9.59	
			<i>For >50 To 100, Deduct</i>	-14.39	
			<i>For >100, Deduct</i>	-19.18	
23 41 33 00-0015	EA		36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	247.50	16.92
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.39	
			<i>For >10 To 25, Deduct</i>	-6.19	
			<i>For >25 To 50, Deduct</i>	-12.38	
			<i>For >50 To 100, Deduct</i>	-18.56	
			<i>For >100, Deduct</i>	-24.75	
23 41 33 00-0016	EA		8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	84.79	8.46
			<i>For Removal And Replacement In Existing Equipment, Add</i>	1.69	
			<i>For >10 To 25, Deduct</i>	-2.12	
			<i>For >25 To 50, Deduct</i>	-4.24	
			<i>For >50 To 100, Deduct</i>	-6.36	
			<i>For >100, Deduct</i>	-8.48	
23 41 33 00-0017	EA		12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	112.30	11.42
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.29	
			<i>For >10 To 25, Deduct</i>	-2.81	
			<i>For >25 To 50, Deduct</i>	-5.62	
			<i>For >50 To 100, Deduct</i>	-8.42	
			<i>For >100, Deduct</i>	-11.23	
23 41 33 00-0018	EA		24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	151.93	13.54
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.71	
			<i>For >10 To 25, Deduct</i>	-3.80	
			<i>For >25 To 50, Deduct</i>	-7.60	
			<i>For >50 To 100, Deduct</i>	-11.39	
			<i>For >100, Deduct</i>	-15.19	
23 41 33 00-0019	EA		24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	178.38	15.86
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.17	
			<i>For >10 To 25, Deduct</i>	-4.46	
			<i>For >25 To 50, Deduct</i>	-8.92	
			<i>For >50 To 100, Deduct</i>	-13.38	
			<i>For >100, Deduct</i>	-17.84	
23 41 33 00-0020	EA		24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	203.98	17.78
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.55	
			<i>For >10 To 25, Deduct</i>	-5.10	
			<i>For >25 To 50, Deduct</i>	-10.20	
			<i>For >50 To 100, Deduct</i>	-15.30	
			<i>For >100, Deduct</i>	-20.40	
23 41 33 00-0021	EA		12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	139.02	12.69
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.54	
			<i>For >10 To 25, Deduct</i>	-3.48	
			<i>For >25 To 50, Deduct</i>	-6.95	
			<i>For >50 To 100, Deduct</i>	-10.43	
			<i>For >100, Deduct</i>	-13.90	
23 41 33 00-0022	EA		24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	188.24	14.81
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.96	
			<i>For >10 To 25, Deduct</i>	-4.71	
			<i>For >25 To 50, Deduct</i>	-9.41	
			<i>For >50 To 100, Deduct</i>	-14.12	
			<i>For >100, Deduct</i>	-18.82	
23 41 33 00-0023	EA		24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	225.52	16.92
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.39	
			<i>For >10 To 25, Deduct</i>	-5.64	
			<i>For >25 To 50, Deduct</i>	-11.28	
			<i>For >50 To 100, Deduct</i>	-16.91	
			<i>For >100, Deduct</i>	-22.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0024	EA			24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete..... <i>For Removal And Replacement In Existing Equipment, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.72 4.23 -6.94 -13.89 -20.83 -27.77	21.16
23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal ^(23 41 33)						
Note: Nominal sizes.						
23 41 33 00-0026	EA			12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	241.08	63.11
23 41 33 00-0027	EA			24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	445.94	125.44
23 41 33 00-0028	EA			24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	453.70	125.44
23 41 33 00-0029	EA			24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	458.88	125.44
23 41 33 00-0030	EA			24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	495.10	125.44
23 41 33 00-0031	EA			24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	540.37	125.44
23 41 33 00-0032	EA			48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	860.84	251.66
23 41 33 00-0033	EA			48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	970.79	251.66
23 41 33 00-0034	EA			48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,110.49	251.66
23 41 33 00-0035	EA			12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	263.07	63.11
23 41 33 00-0036	EA			24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	483.45	125.44
23 41 33 00-0037	EA			24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	492.51	125.44
23 41 33 00-0038	EA			24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	498.98	125.44
23 41 33 00-0039	EA			24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	541.66	125.44
23 41 33 00-0040	EA			24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	598.58	125.44
23 41 33 00-0041	EA			48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	951.39	251.66
23 41 33 00-0042	EA			48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,088.50	251.66
23 41 33 00-0043	EA			48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,261.84	251.66
23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency ^(23 41 33)						
23 41 33 00-0045	EA			0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	202.19	81.80
23 41 33 00-0046	EA			1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	238.39	81.80
23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency ^(23 41 33)						
23 41 33 00-0048	EA			0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	198.04	81.80
23 41 33 00-0049	EA			1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	224.74	81.80
23 42 Gas-Phase Air Filtration ^(23 40)						
23 42 13 Activated-Carbon Air Filtration ^(23 42)						
23 42 13 00-0001	EA			12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	37.58	6.35
23 42 13 00-0002	EA			16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.04	6.35
23 42 13 00-0003	EA			16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.31	6.35
23 42 13 00-0004	EA			20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.31	6.35
23 42 13 00-0005	EA			20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	41.70	6.35
23 42 13 00-0006	EA			24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.28	6.35
23 42 13 00-0007	EA			12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	47.73	7.20
23 42 13 00-0008	EA			16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.11	7.20
23 42 13 00-0009	EA			16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.43	7.20
23 42 13 00-0010	EA			20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.43	7.20
23 42 13 00-0011	EA			20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	52.18	7.20
23 42 13 00-0012	EA			24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	62.64	7.20
23 42 13 00-0013	EA			16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	22.06	6.35
23 42 13 00-0014	EA			16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	23.67	6.35
23 42 13 00-0015	EA			20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	23.73	6.35
23 42 13 00-0016	EA			20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	25.85	6.35
23 42 13 00-0017	EA			24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	27.72	6.35
23 42 13 00-0018	EA			16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	25.58	7.20
23 42 13 00-0019	EA			16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	28.40	7.20
23 42 13 00-0020	EA			20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	28.99	7.20
23 42 13 00-0021	EA			20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	32.48	7.20
23 42 13 00-0022	EA			24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	34.70	7.20
23 42 13 00-0023	EA			24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	58.47	7.62
23 44 Ultraviolet HVAC Microbial Control ^(23 40)						
23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures ^(23 44)						
23 44 00 00-0002	EA			18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)	423.74	54.84
Note: Includes tube.						
23 44 00 00-0003	EA			24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)	442.54	57.56
Note: Includes tube.						
23 44 00 00-0004	EA			30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)	445.34	60.03
Note: Includes tube.						
23 44 00 00-0005	EA			36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)	466.10	63.06
Note: Includes tube.						
23 44 00 00-0006	EA			42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)	502.92	65.78
Note: Includes tube.						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 44 Ultraviolet HVAC Microbial Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 44 00 00-0007 EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)..... Note: Includes tube.	573.18	67.83
23 44 00 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 44)		
23 44 00 00-0009 EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	365.58	37.99
23 44 00 00-0010 EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	372.57	41.11
23 44 00 00-0011 EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	379.73	43.58
23 44 00 00-0012 EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	380.69	46.87
23 44 00 00-0013 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	396.36	49.33
23 44 00 00-0014 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	406.09	51.80
23 44 00 00-0015 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	415.87	55.09
23 44 00 00-0016 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	426.34	37.99
23 44 00 00-0017 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	433.34	41.11
23 44 00 00-0018 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	440.49	43.58
23 44 00 00-0019 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	441.45	46.87
23 44 00 00-0020 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	457.12	49.33
23 44 00 00-0021 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	466.85	51.80
23 44 00 00-0022 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	476.63	55.09
23 44 00 00-0023 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	301.12	41.11
23 44 00 00-0024 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	308.28	43.58
23 44 00 00-0025 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	309.24	46.87
23 44 00 00-0026 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	324.91	49.33
23 44 00 00-0027 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	334.64	51.80
23 44 00 00-0028 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	344.41	55.09
23 44 00 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 44)		
23 44 00 00-0030 EA 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	271.95	52.63
23 44 00 00-0031 EA 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	278.89	55.09
23 44 00 00-0032 EA 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	285.83	57.56
23 44 00 00-0033 EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	294.61	60.03
23 44 00 00-0034 EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	305.50	63.06
23 44 00 00-0035 EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	315.29	65.78
23 44 00 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 44)		
23 44 00 00-0037 EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	71.85	
23 44 00 00-0038 EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	75.46	
23 44 00 00-0039 EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	84.94	
23 44 00 00-0040 EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	97.04	
23 44 00 00-0041 EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	109.42	
23 44 00 00-0042 EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	133.08	
23 44 00 00-0043 EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	69.38	
23 44 00 00-0044 EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	73.09	
23 44 00 00-0045 EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	76.95	
23 44 00 00-0046 EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	74.64	
23 44 00 00-0047 EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	87.00	
23 44 00 00-0048 EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	93.44	
23 44 00 00-0049 EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	99.93	
23 44 00 00-0050 EA Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	202.81	
23 44 00 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 44)		
23 44 00 00-0052 EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	368.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 44 00 00-0053 EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620).....	463.98	
Note: Includes 61" emitter, power supply, wires and connectors.		
23 44 00 00-0054 EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	222.31	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0055 EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)	233.96	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0056 EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	285.63	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0057 EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)	183.31	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0058 EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)	197.65	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0059 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	261.95	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0060 EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	258.64	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 44 00 00-0061 LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	9.83	
23 44 00 00-0062 EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	33.77	
23 44 00 00-0063 EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	12.21	
23 44 00 00-0064 EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	11.63	
23 44 00 00-0065 EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	31.41	
23 44 00 00-0066 EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	34.73	
23 44 00 00-0067 EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	31.06	
23 44 00 00-0068 EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	25.54	
23 44 00 00-0069 EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	24.23	
23 44 00 00-0070 EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	13.94	
23 44 00 00-0071 EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	27.02	
23 44 00 00-0072 EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	14.00	
23 44 00 00-0073 EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	51.78	
23 44 00 00-0074 EA Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	54.25	

23 50 Central Heating Equipment ⁽²³⁾

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0129 for terminations, 26 28 16 00-0001 for disconnect.

23 51 Breechings, Chimneys, And Stacks ^(23 50)

23 51 13 Draft Control Devices ^(23 51)

23 51 13 00-0001 Vertical Discharge Fans ^(23 51 13)
Note: Includes chimney adapter. Excludes wiring.

23 51 13 00-0002 Axial Vane Vertical Discharge Fans ^(23 51 13 00-0001)

23 51 13 00-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,678.75	171.40
23 51 13 00-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,180.85	186.99
23 51 13 00-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,043.93	206.46
23 51 13 00-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,634.30	239.58

23 51 13 00-0007 Centrifugal Impeller Vertical Discharge Fans ^(23 51 13 00-0001)

23 51 13 00-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,449.08	186.99
23 51 13 00-0009 EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,456.08	206.46
23 51 13 00-0010 EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,122.26	241.53
23 51 13 00-0011 EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,456.18	270.74

23 51 13 00-0012 Accessories For Vertical Discharge Fans ^(23 51 13 00-0001)

23 51 13 00-0013 EA Modulating Fan Controller And Sensor.....	470.07	58.44
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23 51 13 00-0014 Flue Shutter Dampers ^(23 51 13 00-0001)

23 51 13 00-0015 EA 8" Flue Size, Shutter Damper	865.72	77.92
23 51 13 00-0016 EA 9" Flue Size, Shutter Damper	936.71	82.97
23 51 13 00-0017 EA 10" Flue Size, Shutter Damper	968.68	88.82
23 51 13 00-0018 EA 12" Flue Size, Shutter Damper	1,063.83	95.83
23 51 13 00-0019 EA 14" Flue Size, Shutter Damper	1,201.88	104.01
23 51 13 00-0020 EA 16" Flue Size, Shutter Damper	1,301.70	113.36
23 51 13 00-0021 EA 18" Flue Size, Shutter Damper	1,425.71	124.66
23 51 13 00-0022 EA 20" Flue Size, Shutter Damper	1,585.60	138.68
23 51 13 00-0023 EA 22" Flue Size, Shutter Damper	1,751.74	155.82
23 51 13 00-0024 EA 24" Flue Size, Shutter Damper	1,928.02	178.03

23 51 16 Fabricated Breechings And Accessories ^(23 51)

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings ^(23 51 16)	
23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe ^(23 51 16 00-0001)	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	23.12	6.93
			<i>For Aluminum Liner, Add</i>	0.32	
			<i>For Stainless Steel Liner, Add</i>	0.44	
			<i>For High Temperature Breaching, Add</i>	3.48	
			<i>For Very High Temperature Breaching, Add</i>	6.08	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	25.02	7.32
			<i>For Aluminum Liner, Add</i>	0.39	
			<i>For Stainless Steel Liner, Add</i>	0.54	
			<i>For High Temperature Breaching, Add</i>	3.93	
			<i>For Very High Temperature Breaching, Add</i>	6.79	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	27.75	7.80
			<i>For Aluminum Liner, Add</i>	0.47	
			<i>For Stainless Steel Liner, Add</i>	0.64	
			<i>For High Temperature Breaching, Add</i>	4.47	
			<i>For Very High Temperature Breaching, Add</i>	7.67	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	30.38	8.34
			<i>For Aluminum Liner, Add</i>	0.54	
			<i>For Stainless Steel Liner, Add</i>	0.74	
			<i>For High Temperature Breaching, Add</i>	5.00	
			<i>For Very High Temperature Breaching, Add</i>	8.53	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	36.27	8.88
			<i>For Aluminum Liner, Add</i>	0.80	
			<i>For Stainless Steel Liner, Add</i>	1.09	
			<i>For High Temperature Breaching, Add</i>	6.52	
			<i>For Very High Temperature Breaching, Add</i>	10.87	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	40.31	9.58
			<i>For Aluminum Liner, Add</i>	0.89	
			<i>For Stainless Steel Liner, Add</i>	1.21	
			<i>For High Temperature Breaching, Add</i>	7.26	
			<i>For Very High Temperature Breaching, Add</i>	12.09	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	60.21	10.28
			<i>For Aluminum Liner, Add</i>	1.87	
			<i>For Stainless Steel Liner, Add</i>	2.55	
			<i>For High Temperature Breaching, Add</i>	12.83	
			<i>For Very High Temperature Breaching, Add</i>	20.55	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	74.05	11.37
			<i>For Aluminum Liner, Add</i>	2.51	
			<i>For Stainless Steel Liner, Add</i>	3.43	
			<i>For High Temperature Breaching, Add</i>	16.54	
			<i>For Very High Temperature Breaching, Add</i>	26.23	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	106.40	11.84
			<i>For Aluminum Liner, Add</i>	4.22	
			<i>For Stainless Steel Liner, Add</i>	5.75	
			<i>For High Temperature Breaching, Add</i>	25.98	
			<i>For Very High Temperature Breaching, Add</i>	40.46	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	134.46	12.47
			<i>For Aluminum Liner, Add</i>	5.69	
			<i>For Stainless Steel Liner, Add</i>	7.76	
			<i>For High Temperature Breaching, Add</i>	34.13	
			<i>For Very High Temperature Breaching, Add</i>	52.75	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	166.68	13.09
			<i>For Aluminum Liner, Add</i>	7.35	
			<i>For Stainless Steel Liner, Add</i>	10.02	
			<i>For High Temperature Breaching, Add</i>	43.39	
			<i>For Very High Temperature Breaching, Add</i>	66.74	
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	209.94	20.80
			<i>For Aluminum Liner, Add</i>	8.72	
			<i>For Stainless Steel Liner, Add</i>	11.90	
			<i>For High Temperature Breaching, Add</i>	52.72	
			<i>For Very High Temperature Breaching, Add</i>	81.64	
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	255.44	21.97
			<i>For Aluminum Liner, Add</i>	11.00	
			<i>For Stainless Steel Liner, Add</i>	15.00	
			<i>For High Temperature Breaching, Add</i>	65.54	
			<i>For Very High Temperature Breaching, Add</i>	101.09	
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	305.44	23.38
			<i>For Aluminum Liner, Add</i>	13.56	
			<i>For Stainless Steel Liner, Add</i>	18.49	
			<i>For High Temperature Breaching, Add</i>	79.85	
			<i>For Very High Temperature Breaching, Add</i>	122.72	
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	356.84	24.15
			<i>For Aluminum Liner, Add</i>	16.31	
			<i>For Stainless Steel Liner, Add</i>	22.24	
			<i>For High Temperature Breaching, Add</i>	94.99	
			<i>For Very High Temperature Breaching, Add</i>	145.50	
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	374.35	24.93
			<i>For Aluminum Liner, Add</i>	17.16	
			<i>For Stainless Steel Liner, Add</i>	23.40	
			<i>For High Temperature Breaching, Add</i>	99.85	
			<i>For Very High Temperature Breaching, Add</i>	152.88	
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	397.73	26.72
			<i>For Aluminum Liner, Add</i>	18.21	
			<i>For Stainless Steel Liner, Add</i>	24.83	
			<i>For High Temperature Breaching, Add</i>	105.98	
			<i>For Very High Temperature Breaching, Add</i>	162.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0020 LF 32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	451.93	27.74
<i>For Aluminum Liner, Add</i>	21.05	
<i>For Stainless Steel Liner, Add</i>	28.71	
<i>For High Temperature Breaching, Add</i>	121.74	
<i>For Very High Temperature Breaching, Add</i>	186.07	
23 51 16 00-0021 LF 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	508.04	28.75
<i>For Aluminum Liner, Add</i>	23.99	
<i>For Stainless Steel Liner, Add</i>	32.71	
<i>For High Temperature Breaching, Add</i>	138.04	
<i>For Very High Temperature Breaching, Add</i>	210.66	
23 51 16 00-0022 LF 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	535.03	29.91
<i>For Aluminum Liner, Add</i>	25.32	
<i>For Stainless Steel Liner, Add</i>	34.52	
<i>For High Temperature Breaching, Add</i>	145.57	
<i>For Very High Temperature Breaching, Add</i>	222.09	
23 51 16 00-0023 LF 38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	581.24	31.16
<i>For Aluminum Liner, Add</i>	27.69	
<i>For Stainless Steel Liner, Add</i>	37.76	
<i>For High Temperature Breaching, Add</i>	158.81	
<i>For Very High Temperature Breaching, Add</i>	242.10	
23 51 16 00-0024 LF 40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	641.58	32.49
<i>For Aluminum Liner, Add</i>	30.82	
<i>For Stainless Steel Liner, Add</i>	42.02	
<i>For High Temperature Breaching, Add</i>	176.22	
<i>For Very High Temperature Breaching, Add</i>	268.40	
23 51 16 00-0025 LF 42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	671.20	33.97
<i>For Aluminum Liner, Add</i>	32.24	
<i>For Stainless Steel Liner, Add</i>	43.96	
<i>For High Temperature Breaching, Add</i>	184.36	
<i>For Very High Temperature Breaching, Add</i>	280.79	
23 51 16 00-0026 LF 44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	744.21	35.60
<i>For Aluminum Liner, Add</i>	36.03	
<i>For Stainless Steel Liner, Add</i>	49.14	
<i>For High Temperature Breaching, Add</i>	205.45	
<i>For Very High Temperature Breaching, Add</i>	312.63	
23 51 16 00-0027 LF 46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	808.99	37.40
<i>For Aluminum Liner, Add</i>	39.35	
<i>For Stainless Steel Liner, Add</i>	53.66	
<i>For High Temperature Breaching, Add</i>	224.00	
<i>For Very High Temperature Breaching, Add</i>	340.67	
23 51 16 00-0028 LF 48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	891.28	39.34
<i>For Aluminum Liner, Add</i>	43.62	
<i>For Stainless Steel Liner, Add</i>	59.48	
<i>For High Temperature Breaching, Add</i>	247.74	
<i>For Very High Temperature Breaching, Add</i>	376.52	
23 51 16 00-0029 90 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0030 EA 3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	61.07	13.87
<i>For Aluminum Liner, Add</i>	1.47	
<i>For Stainless Steel Liner, Add</i>	2.00	
<i>For High Temperature Breaching, Add</i>	11.45	
<i>For Very High Temperature Breaching, Add</i>	18.89	
23 51 16 00-0031 EA 4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.06	14.64
<i>For Aluminum Liner, Add</i>	1.73	
<i>For Stainless Steel Liner, Add</i>	2.36	
<i>For High Temperature Breaching, Add</i>	13.11	
<i>For Very High Temperature Breaching, Add</i>	21.49	
23 51 16 00-0032 EA 5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	76.42	15.58
<i>For Aluminum Liner, Add</i>	2.07	
<i>For Stainless Steel Liner, Add</i>	2.82	
<i>For High Temperature Breaching, Add</i>	15.17	
<i>For Very High Temperature Breaching, Add</i>	24.69	
23 51 16 00-0033 EA 6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	84.95	16.60
<i>For Aluminum Liner, Add</i>	2.41	
<i>For Stainless Steel Liner, Add</i>	3.28	
<i>For High Temperature Breaching, Add</i>	17.24	
<i>For Very High Temperature Breaching, Add</i>	27.93	
23 51 16 00-0034 EA 7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	102.67	17.77
<i>For Aluminum Liner, Add</i>	3.22	
<i>For Stainless Steel Liner, Add</i>	4.39	
<i>For High Temperature Breaching, Add</i>	21.97	
<i>For Very High Temperature Breaching, Add</i>	35.16	
23 51 16 00-0035 EA 8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	121.18	19.17
<i>For Aluminum Liner, Add</i>	4.03	
<i>For Stainless Steel Liner, Add</i>	5.50	
<i>For High Temperature Breaching, Add</i>	26.77	
<i>For Very High Temperature Breaching, Add</i>	42.55	
23 51 16 00-0036 EA 10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	220.62	20.80
<i>For Aluminum Liner, Add</i>	9.27	
<i>For Stainless Steel Liner, Add</i>	12.64	
<i>For High Temperature Breaching, Add</i>	55.77	
<i>For Very High Temperature Breaching, Add</i>	86.26	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	269.12	22.67
			For Aluminum Liner, Add	11.69	
			For Stainless Steel Liner, Add	15.94	
			For High Temperature Breaching, Add	69.41	
			For Very High Temperature Breaching, Add	106.95	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	353.18	23.76
			For Aluminum Liner, Add	16.16	
			For Stainless Steel Liner, Add	22.04	
			For High Temperature Breaching, Add	94.08	
			For Very High Temperature Breaching, Add	144.09	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	437.36	24.93
			For Aluminum Liner, Add	20.63	
			For Stainless Steel Liner, Add	28.14	
			For High Temperature Breaching, Add	118.77	
			For Very High Temperature Breaching, Add	181.26	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	569.78	26.26
			For Aluminum Liner, Add	27.73	
			For Stainless Steel Liner, Add	37.81	
			For High Temperature Breaching, Add	157.80	
			For Very High Temperature Breaching, Add	239.98	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	800.03	41.53
			For Aluminum Liner, Add	38.28	
			For Stainless Steel Liner, Add	52.21	
			For High Temperature Breaching, Add	219.22	
			For Very High Temperature Breaching, Add	334.03	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,062.59	44.02
			For Aluminum Liner, Add	52.39	
			For Stainless Steel Liner, Add	71.44	
			For High Temperature Breaching, Add	296.77	
			For Very High Temperature Breaching, Add	450.65	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,201.42	46.74
			For Aluminum Liner, Add	59.64	
			For Stainless Steel Liner, Add	81.33	
			For High Temperature Breaching, Add	337.03	
			For Very High Temperature Breaching, Add	511.39	
23 51 16 00-0044			45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	49.98	13.87
			For Aluminum Liner, Add	0.85	
			For Stainless Steel Liner, Add	1.15	
			For High Temperature Breaching, Add	8.08	
			For Very High Temperature Breaching, Add	13.84	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	54.82	14.64
			For Aluminum Liner, Add	1.00	
			For Stainless Steel Liner, Add	1.36	
			For High Temperature Breaching, Add	9.11	
			For Very High Temperature Breaching, Add	15.50	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	60.31	15.58
			For Aluminum Liner, Add	1.17	
			For Stainless Steel Liner, Add	1.60	
			For High Temperature Breaching, Add	10.30	
			For Very High Temperature Breaching, Add	17.40	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	67.09	16.60
			For Aluminum Liner, Add	1.41	
			For Stainless Steel Liner, Add	1.92	
			For High Temperature Breaching, Add	11.82	
			For Very High Temperature Breaching, Add	19.81	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	81.14	17.77
			For Aluminum Liner, Add	2.02	
			For Stainless Steel Liner, Add	2.75	
			For High Temperature Breaching, Add	15.44	
			For Very High Temperature Breaching, Add	25.39	
23 51 16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	90.04	19.17
			For Aluminum Liner, Add	2.32	
			For Stainless Steel Liner, Add	3.16	
			For High Temperature Breaching, Add	17.43	
			For Very High Temperature Breaching, Add	28.54	
23 51 16 00-0051	EA		10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	157.28	20.80
			For Aluminum Liner, Add	5.79	
			For Stainless Steel Liner, Add	7.90	
			For High Temperature Breaching, Add	36.79	
			For Very High Temperature Breaching, Add	57.79	
23 51 16 00-0052	EA		12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	189.46	22.67
			For Aluminum Liner, Add	7.30	
			For Stainless Steel Liner, Add	9.96	
			For High Temperature Breaching, Add	45.51	
			For Very High Temperature Breaching, Add	71.09	
23 51 16 00-0053	EA		14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	246.22	23.76
			For Aluminum Liner, Add	10.28	
			For Stainless Steel Liner, Add	14.01	
			For High Temperature Breaching, Add	61.99	
			For Very High Temperature Breaching, Add	95.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	296.77	24.93
For Aluminum Liner, Add	12.90	
For Stainless Steel Liner, Add	17.59	
For High Temperature Breaching, Add	76.57	
For Very High Temperature Breaching, Add	117.97	
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	380.68	26.26
For Aluminum Liner, Add	17.33	
For Stainless Steel Liner, Add	23.63	
For High Temperature Breaching, Add	101.08	
For Very High Temperature Breaching, Add	154.90	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	458.98	41.45
For Aluminum Liner, Add	19.55	
For Stainless Steel Liner, Add	26.65	
For High Temperature Breaching, Add	116.97	
For Very High Temperature Breaching, Add	180.64	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	644.94	44.02
For Aluminum Liner, Add	29.42	
For Stainless Steel Liner, Add	40.12	
For High Temperature Breaching, Add	171.47	
For Very High Temperature Breaching, Add	262.71	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	794.56	46.74
For Aluminum Liner, Add	37.28	
For Stainless Steel Liner, Add	50.83	
For High Temperature Breaching, Add	215.01	
For Very High Temperature Breaching, Add	328.35	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,457.91	48.30
For Aluminum Liner, Add	73.55	
For Stainless Steel Liner, Add	100.29	
For High Temperature Breaching, Add	413.24	
For Very High Temperature Breaching, Add	625.89	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,498.44	49.87
For Aluminum Liner, Add	75.56	
For Stainless Steel Liner, Add	103.04	
For High Temperature Breaching, Add	424.62	
For Very High Temperature Breaching, Add	643.15	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,579.50	52.98
For Aluminum Liner, Add	79.59	
For Stainless Steel Liner, Add	108.53	
For High Temperature Breaching, Add	447.38	
For Very High Temperature Breaching, Add	677.68	
23 51 16 00-0062 EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,766.57	54.54
For Aluminum Liner, Add	89.67	
For Stainless Steel Liner, Add	122.27	
For High Temperature Breaching, Add	502.72	
For Very High Temperature Breaching, Add	760.89	
23 51 16 00-0063 EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,930.06	57.65
For Aluminum Liner, Add	98.23	
For Stainless Steel Liner, Add	133.95	
For High Temperature Breaching, Add	550.21	
For Very High Temperature Breaching, Add	832.51	
23 51 16 00-0064 EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,987.53	62.33
For Aluminum Liner, Add	100.75	
For Stainless Steel Liner, Add	137.39	
For High Temperature Breaching, Add	565.12	
For Very High Temperature Breaching, Add	855.46	
23 51 16 00-0065 EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,130.36	64.51
For Aluminum Liner, Add	108.31	
For Stainless Steel Liner, Add	147.69	
For High Temperature Breaching, Add	606.87	
For Very High Temperature Breaching, Add	918.37	
23 51 16 00-0066 EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,270.10	65.45
For Aluminum Liner, Add	115.86	
For Stainless Steel Liner, Add	157.99	
For High Temperature Breaching, Add	648.33	
For Very High Temperature Breaching, Add	980.67	
23 51 16 00-0067 EA 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,369.46	68.56
For Aluminum Liner, Add	120.90	
For Stainless Steel Liner, Add	164.86	
For High Temperature Breaching, Add	676.58	
For Very High Temperature Breaching, Add	1,023.43	
23 51 16 00-0068 EA 44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,514.63	71.68
For Aluminum Liner, Add	128.46	
For Stainless Steel Liner, Add	175.17	
For High Temperature Breaching, Add	718.57	
For Very High Temperature Breaching, Add	1,086.81	
23 51 16 00-0069 EA 46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,705.58	74.79
For Aluminum Liner, Add	138.53	
For Stainless Steel Liner, Add	188.90	
For High Temperature Breaching, Add	774.30	
For Very High Temperature Breaching, Add	1,170.80	
23 51 16 00-0070 EA 48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,804.97	77.92
For Aluminum Liner, Add	143.57	
For Stainless Steel Liner, Add	195.77	
For High Temperature Breaching, Add	802.56	
For Very High Temperature Breaching, Add	1,213.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0071			Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	83.78	18.46
			For Aluminum Liner, Add	2.07	
			For Stainless Steel Liner, Add	2.82	
			For High Temperature Breaching, Add	15.89	
			For Very High Temperature Breaching, Add	26.14	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	87.29	19.17
			For Aluminum Liner, Add	2.17	
			For Stainless Steel Liner, Add	2.95	
			For High Temperature Breaching, Add	16.61	
			For Very High Temperature Breaching, Add	27.30	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	91.09	19.94
			For Aluminum Liner, Add	2.27	
			For Stainless Steel Liner, Add	3.09	
			For High Temperature Breaching, Add	17.35	
			For Very High Temperature Breaching, Add	28.52	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	97.77	20.80
			For Aluminum Liner, Add	2.52	
			For Stainless Steel Liner, Add	3.44	
			For High Temperature Breaching, Add	18.94	
			For Very High Temperature Breaching, Add	31.00	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	117.43	21.65
			For Aluminum Liner, Add	3.48	
			For Stainless Steel Liner, Add	4.74	
			For High Temperature Breaching, Add	24.38	
			For Very High Temperature Breaching, Add	39.29	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	126.24	22.67
			For Aluminum Liner, Add	3.83	
			For Stainless Steel Liner, Add	5.22	
			For High Temperature Breaching, Add	26.55	
			For Very High Temperature Breaching, Add	42.65	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	248.04	23.76
			For Aluminum Liner, Add	10.38	
			For Stainless Steel Liner, Add	14.15	
			For High Temperature Breaching, Add	62.54	
			For Very High Temperature Breaching, Add	96.78	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	289.44	24.93
			For Aluminum Liner, Add	12.49	
			For Stainless Steel Liner, Add	17.04	
			For High Temperature Breaching, Add	74.37	
			For Very High Temperature Breaching, Add	114.67	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	439.26	27.74
			For Aluminum Liner, Add	20.35	
			For Stainless Steel Liner, Add	27.75	
			For High Temperature Breaching, Add	117.93	
			For Very High Temperature Breaching, Add	180.36	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	601.79	31.16
			For Aluminum Liner, Add	28.81	
			For Stainless Steel Liner, Add	39.29	
			For High Temperature Breaching, Add	164.96	
			For Very High Temperature Breaching, Add	251.33	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	748.48	35.60
			For Aluminum Liner, Add	36.27	
			For Stainless Steel Liner, Add	49.46	
			For High Temperature Breaching, Add	206.74	
			For Very High Temperature Breaching, Add	314.56	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	998.36	44.02
			For Aluminum Liner, Add	48.86	
			For Stainless Steel Liner, Add	66.63	
			For High Temperature Breaching, Add	277.52	
			For Very High Temperature Breaching, Add	421.78	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,251.99	57.50
			For Aluminum Liner, Add	60.95	
			For Stainless Steel Liner, Add	83.12	
			For High Temperature Breaching, Add	346.85	
			For Very High Temperature Breaching, Add	527.46	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,443.36	60.77
			For Aluminum Liner, Add	71.03	
			For Stainless Steel Liner, Add	96.86	
			For High Temperature Breaching, Add	402.62	
			For Very High Temperature Breaching, Add	611.53	
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,995.49	65.45
			For Aluminum Liner, Add	100.75	
			For Stainless Steel Liner, Add	137.39	
			For High Temperature Breaching, Add	565.91	
			For Very High Temperature Breaching, Add	857.05	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,230.74	68.02
			For Aluminum Liner, Add	113.34	
			For Stainless Steel Liner, Add	154.56	
			For High Temperature Breaching, Add	635.23	
			For Very High Temperature Breaching, Add	961.34	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,423.15	71.68
			For Aluminum Liner, Add	123.42	
			For Stainless Steel Liner, Add	168.30	
			For High Temperature Breaching, Add	691.11	
			For Very High Temperature Breaching, Add	1,045.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0089 EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,797.27	74.79
For Aluminum Liner, Add	143.57	
For Stainless Steel Liner, Add	195.77	
For High Temperature Breaching, Add	801.79	
For Very High Temperature Breaching, Add	1,212.04	
23 51 16 00-0090 EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,850.90	77.92
For Aluminum Liner, Add	146.09	
For Stainless Steel Liner, Add	199.21	
For High Temperature Breaching, Add	816.31	
For Very High Temperature Breaching, Add	1,234.21	
23 51 16 00-0091 EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,321.94	83.13
For Aluminum Liner, Add	171.27	
For Stainless Steel Liner, Add	233.56	
For High Temperature Breaching, Add	955.01	
For Very High Temperature Breaching, Add	1,442.91	
23 51 16 00-0092 EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,393.70	93.50
For Aluminum Liner, Add	173.79	
For Stainless Steel Liner, Add	236.99	
For High Temperature Breaching, Add	971.34	
For Very High Temperature Breaching, Add	1,468.71	
23 51 16 00-0093 EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,701.83	106.89
For Aluminum Liner, Add	188.91	
For Stainless Steel Liner, Add	257.60	
For High Temperature Breaching, Add	1,057.11	
For Very High Temperature Breaching, Add	1,599.03	
23 51 16 00-0094 EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,066.85	124.66
For Aluminum Liner, Add	206.54	
For Stainless Steel Liner, Add	281.64	
For High Temperature Breaching, Add	1,157.73	
For Very High Temperature Breaching, Add	1,752.17	
23 51 16 00-0095 EA 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,426.09	140.24
For Aluminum Liner, Add	224.17	
For Stainless Steel Liner, Add	305.68	
For High Temperature Breaching, Add	1,257.76	
For Very High Temperature Breaching, Add	1,904.16	
23 51 16 00-0096 EA 46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,849.98	144.92
For Aluminum Liner, Add	246.84	
For Stainless Steel Liner, Add	336.59	
For High Temperature Breaching, Add	1,382.58	
For Very High Temperature Breaching, Add	2,091.98	
23 51 16 00-0097 EA 48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,136.56	149.59
For Aluminum Liner, Add	261.95	
For Stainless Steel Liner, Add	357.20	
For High Temperature Breaching, Add	1,466.20	
For Very High Temperature Breaching, Add	2,217.99	
23 51 16 00-0098 Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099 EA 3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	41.30	10.83
For Aluminum Liner, Add	0.78	
For Stainless Steel Liner, Add	1.07	
For High Temperature Breaching, Add	6.97	
For Very High Temperature Breaching, Add	11.81	
23 51 16 00-0100 EA 4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	43.28	11.37
For Aluminum Liner, Add	0.82	
For Stainless Steel Liner, Add	1.12	
For High Temperature Breaching, Add	7.31	
For Very High Temperature Breaching, Add	12.39	
23 51 16 00-0101 EA 6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	57.08	12.47
For Aluminum Liner, Add	1.43	
For Stainless Steel Liner, Add	1.94	
For High Temperature Breaching, Add	10.89	
For Very High Temperature Breaching, Add	17.90	
23 51 16 00-0102 EA 8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	60.51	13.87
For Aluminum Liner, Add	1.43	
For Stainless Steel Liner, Add	1.94	
For High Temperature Breaching, Add	11.24	
For Very High Temperature Breaching, Add	18.58	
23 51 16 00-0103 EA 10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	74.81	14.64
For Aluminum Liner, Add	2.10	
For Stainless Steel Liner, Add	2.86	
For High Temperature Breaching, Add	15.12	
For Very High Temperature Breaching, Add	24.51	
23 51 16 00-0104 EA 12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	89.33	15.58
For Aluminum Liner, Add	2.77	
For Stainless Steel Liner, Add	3.78	
For High Temperature Breaching, Add	19.01	
For Very High Temperature Breaching, Add	30.46	
23 51 16 00-0105 EA 16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	221.26	17.77
For Aluminum Liner, Add	9.72	
For Stainless Steel Liner, Add	13.26	
For High Temperature Breaching, Add	57.48	
For Very High Temperature Breaching, Add	88.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	418.34	22.28
			For Aluminum Liner, Add	19.95	
			For Stainless Steel Liner, Add	27.20	
			For High Temperature Breaching, Add	114.37	
			For Very High Temperature Breaching, Add	174.34	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	781.18	26.72
			For Aluminum Liner, Add	39.29	
			For Stainless Steel Liner, Add	53.58	
			For High Temperature Breaching, Add	221.00	
			For Very High Temperature Breaching, Add	334.84	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,302.50	37.40
			For Aluminum Liner, Add	66.49	
			For Stainless Steel Liner, Add	90.67	
			For High Temperature Breaching, Add	372.05	
			For Very High Temperature Breaching, Add	562.75	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,930.18	39.34
			For Aluminum Liner, Add	100.75	
			For Stainless Steel Liner, Add	137.39	
			For High Temperature Breaching, Add	559.38	
			For Very High Temperature Breaching, Add	843.99	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,164.66	41.53
			For Aluminum Liner, Add	113.34	
			For Stainless Steel Liner, Add	154.56	
			For High Temperature Breaching, Add	628.62	
			For Very High Temperature Breaching, Add	948.13	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,445.60	44.02
			For Aluminum Liner, Add	128.46	
			For Stainless Steel Liner, Add	175.17	
			For High Temperature Breaching, Add	711.67	
			For Very High Temperature Breaching, Add	1,073.01	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,589.86	46.74
			For Aluminum Liner, Add	136.01	
			For Stainless Steel Liner, Add	185.47	
			For High Temperature Breaching, Add	753.57	
			For Very High Temperature Breaching, Add	1,136.21	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,735.03	49.87
			For Aluminum Liner, Add	143.57	
			For Stainless Steel Liner, Add	195.77	
			For High Temperature Breaching, Add	795.57	
			For Very High Temperature Breaching, Add	1,199.59	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,927.01	53.45
			For Aluminum Liner, Add	153.64	
			For Stainless Steel Liner, Add	209.51	
			For High Temperature Breaching, Add	851.40	
			For Very High Temperature Breaching, Add	1,283.78	
23 51 16 00-0115			Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	16.19	5.84
			For Aluminum Liner, Add	0.09	
			For Stainless Steel Liner, Add	0.12	
			For High Temperature Breaching, Add	1.95	
			For Very High Temperature Breaching, Add	3.65	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	20.44	7.48
			For Aluminum Liner, Add	0.09	
			For Stainless Steel Liner, Add	0.13	
			For High Temperature Breaching, Add	2.38	
			For Very High Temperature Breaching, Add	4.51	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	27.18	10.05
			For Aluminum Liner, Add	0.11	
			For Stainless Steel Liner, Add	0.15	
			For High Temperature Breaching, Add	3.13	
			For Very High Temperature Breaching, Add	5.95	
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	34.08	12.47
			For Aluminum Liner, Add	0.16	
			For Stainless Steel Liner, Add	0.22	
			For High Temperature Breaching, Add	3.99	
			For Very High Temperature Breaching, Add	7.55	
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	49.57	16.83
			For Aluminum Liner, Add	0.41	
			For Stainless Steel Liner, Add	0.56	
			For High Temperature Breaching, Add	6.46	
			For Very High Temperature Breaching, Add	11.79	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	62.82	20.88
			For Aluminum Liner, Add	0.58	
			For Stainless Steel Liner, Add	0.80	
			For High Temperature Breaching, Add	8.41	
			For Very High Temperature Breaching, Add	15.22	
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	80.34	24.93
			For Aluminum Liner, Add	0.99	
			For Stainless Steel Liner, Add	1.35	
			For High Temperature Breaching, Add	11.64	
			For Very High Temperature Breaching, Add	20.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	106.25	29.61
For Aluminum Liner, Add	1.77	
For Stainless Steel Liner, Add	2.42	
For High Temperature Breaching, Add	17.07	
For Very High Temperature Breaching, Add	29.31	
23 51 16 00-0124 EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	146.61	32.72
For Aluminum Liner, Add	3.56	
For Stainless Steel Liner, Add	4.86	
For High Temperature Breaching, Add	27.62	
For Very High Temperature Breaching, Add	45.52	
23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)		
23 51 16 00-0126 EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	45.13	13.87
For Aluminum Liner, Add	0.58	
For Stainless Steel Liner, Add	0.79	
For High Temperature Breaching, Add	6.62	
For Very High Temperature Breaching, Add	11.66	
23 51 16 00-0127 EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	50.25	14.64
For Aluminum Liner, Add	0.75	
For Stainless Steel Liner, Add	1.02	
For High Temperature Breaching, Add	7.74	
For Very High Temperature Breaching, Add	13.44	
23 51 16 00-0128 EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	64.24	16.60
For Aluminum Liner, Add	1.25	
For Stainless Steel Liner, Add	1.70	
For High Temperature Breaching, Add	10.97	
For Very High Temperature Breaching, Add	18.53	
23 51 16 00-0129 EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	78.96	19.17
For Aluminum Liner, Add	1.71	
For Stainless Steel Liner, Add	2.33	
For High Temperature Breaching, Add	14.11	
For Very High Temperature Breaching, Add	23.55	
23 51 16 00-0130 EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	137.15	20.80
For Aluminum Liner, Add	4.68	
For Stainless Steel Liner, Add	6.39	
For High Temperature Breaching, Add	30.75	
For Very High Temperature Breaching, Add	48.73	
23 51 16 00-0131 EA 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	164.71	22.67
For Aluminum Liner, Add	5.94	
For Stainless Steel Liner, Add	8.11	
For High Temperature Breaching, Add	38.09	
For Very High Temperature Breaching, Add	59.96	
23 51 16 00-0132 EA 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	195.14	24.93
For Aluminum Liner, Add	7.30	
For Stainless Steel Liner, Add	9.96	
For High Temperature Breaching, Add	46.08	
For Very High Temperature Breaching, Add	72.23	
23 51 16 00-0133 EA 16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	234.21	27.74
For Aluminum Liner, Add	9.07	
For Stainless Steel Liner, Add	12.36	
For High Temperature Breaching, Add	56.39	
For Very High Temperature Breaching, Add	88.06	
23 51 16 00-0134 EA 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	361.88	31.16
For Aluminum Liner, Add	15.62	
For Stainless Steel Liner, Add	21.29	
For High Temperature Breaching, Add	92.97	
For Very High Temperature Breaching, Add	143.36	
23 51 16 00-0135 EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	393.31	41.53
For Aluminum Liner, Add	15.92	
For Stainless Steel Liner, Add	21.71	
For High Temperature Breaching, Add	97.22	
For Very High Temperature Breaching, Add	151.02	
23 51 16 00-0136 EA 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	499.95	53.45
For Aluminum Liner, Add	20.15	
For Stainless Steel Liner, Add	27.48	
For High Temperature Breaching, Add	123.27	
For Very High Temperature Breaching, Add	191.58	
23 51 16 00-0137 EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	595.45	62.33
For Aluminum Liner, Add	24.18	
For Stainless Steel Liner, Add	32.97	
For High Temperature Breaching, Add	147.47	
For Very High Temperature Breaching, Add	229.00	
23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)		
23 51 16 00-0139 EA 3" Round Galvanized Storm Collar, Double Wall	17.60	5.84
For Aluminum Liner, Add	0.17	
For Stainless Steel Liner, Add	0.23	
For High Temperature Breaching, Add	2.37	
For Very High Temperature Breaching, Add	4.28	
23 51 16 00-0140 EA 4" Round Galvanized Storm Collar, Double Wall	22.19	7.48
For Aluminum Liner, Add	0.19	
For Stainless Steel Liner, Add	0.26	
For High Temperature Breaching, Add	2.92	
For Very High Temperature Breaching, Add	5.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall	26.16	8.72
			For Aluminum Liner, Add	0.24	
			For Stainless Steel Liner, Add	0.33	
			For High Temperature Breaching, Add	3.48	
			For Very High Temperature Breaching, Add	6.32	
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall	30.15	9.97
			For Aluminum Liner, Add	0.29	
			For Stainless Steel Liner, Add	0.39	
			For High Temperature Breaching, Add	4.06	
			For Very High Temperature Breaching, Add	7.33	
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall	38.09	12.47
			For Aluminum Liner, Add	0.38	
			For Stainless Steel Liner, Add	0.52	
			For High Temperature Breaching, Add	5.20	
			For Very High Temperature Breaching, Add	9.35	
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall	52.95	16.83
			For Aluminum Liner, Add	0.60	
			For Stainless Steel Liner, Add	0.82	
			For High Temperature Breaching, Add	7.47	
			For Very High Temperature Breaching, Add	13.31	
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall	65.26	20.88
			For Aluminum Liner, Add	0.72	
			For Stainless Steel Liner, Add	0.98	
			For High Temperature Breaching, Add	9.14	
			For Very High Temperature Breaching, Add	16.32	
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall	84.50	24.93
			For Aluminum Liner, Add	1.22	
			For Stainless Steel Liner, Add	1.66	
			For High Temperature Breaching, Add	12.88	
			For Very High Temperature Breaching, Add	22.44	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall	114.14	29.61
			For Aluminum Liner, Add	2.21	
			For Stainless Steel Liner, Add	3.01	
			For High Temperature Breaching, Add	19.44	
			For Very High Temperature Breaching, Add	32.86	
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall	166.35	32.72
			For Aluminum Liner, Add	4.65	
			For Stainless Steel Liner, Add	6.34	
			For High Temperature Breaching, Add	33.55	
			For Very High Temperature Breaching, Add	54.41	
23 51 16 00-0149			Oval Galvanized Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
23 51 16 00-0150			Oval Galvanized Double Wall Flue/Vent Pipe <small>(23 51 16 00-0149)</small>		
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	31.45	7.32
			For High Temperature Breaching, Add	5.77	
			For Very High Temperature Breaching, Add	9.58	
23 51 16 00-0152	LF		5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	34.93	7.80
			For High Temperature Breaching, Add	6.61	
			For Very High Temperature Breaching, Add	10.88	
23 51 16 00-0153	LF		6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	38.89	8.34
			For High Temperature Breaching, Add	7.51	
			For Very High Temperature Breaching, Add	12.30	
23 51 16 00-0154			45 Degree Elbows <small>(23 51 16 00-0149)</small>		
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	69.47	15.19
			For High Temperature Breaching, Add	13.24	
			For Very High Temperature Breaching, Add	21.76	
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.05	17.77
			For High Temperature Breaching, Add	15.43	
			For Very High Temperature Breaching, Add	25.37	
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	97.25	20.10
			For High Temperature Breaching, Add	19.12	
			For Very High Temperature Breaching, Add	31.20	
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.04	15.19
			For High Temperature Breaching, Add	13.71	
			For Very High Temperature Breaching, Add	22.47	
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	84.87	17.77
			For High Temperature Breaching, Add	16.58	
			For Very High Temperature Breaching, Add	27.09	
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	99.72	20.10
			For High Temperature Breaching, Add	19.86	
			For Very High Temperature Breaching, Add	32.31	
23 51 16 00-0161			Tees <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	117.72	23.06
			For High Temperature Breaching, Add	23.77	
			For Very High Temperature Breaching, Add	38.55	
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	120.19	23.06
			For High Temperature Breaching, Add	24.52	
			For Very High Temperature Breaching, Add	39.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For High Temperature Breaching, Add</i>	138.15 28.20	26.49
<i>For Very High Temperature Breaching, Add</i>	45.61	
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe <i>For High Temperature Breaching, Add</i>	158.49 32.71	29.68
<i>For Very High Temperature Breaching, Add</i>	52.77	
23 51 16 00-0166 Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For High Temperature Breaching, Add</i>	45.97 10.04	7.48
<i>For Very High Temperature Breaching, Add</i>	15.99	
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For High Temperature Breaching, Add</i>	72.89 16.84	10.05
<i>For Very High Temperature Breaching, Add</i>	26.52	
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For High Temperature Breaching, Add</i>	36.30 7.14	7.48
<i>For Very High Temperature Breaching, Add</i>	11.64	
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For High Temperature Breaching, Add</i>	63.79 14.11	10.05
<i>For Very High Temperature Breaching, Add</i>	22.42	
23 51 16 00-0171 Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall <i>For High Temperature Breaching, Add</i>	22.19 2.92	7.48
<i>For Very High Temperature Breaching, Add</i>	5.31	
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall <i>For High Temperature Breaching, Add</i>	26.16 3.48	8.72
<i>For Very High Temperature Breaching, Add</i>	6.32	
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall <i>For High Temperature Breaching, Add</i>	30.15 4.06	9.97
<i>For Very High Temperature Breaching, Add</i>	7.33	
23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
<small>Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.</small>		
23 51 16 00-0176 Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small>		
<small>Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.</small>		
23 51 16 00-0177 LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	78.66 9.26	8.34
<i>For 2" Instead Of 1" Thickness, Add</i>	5.79	
<i>For 3" Instead Of 1" Thickness, Add</i>	11.57	
23 51 16 00-0178 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	94.62 11.30	9.58
<i>For 2" Instead Of 1" Thickness, Add</i>	7.06	
<i>For 3" Instead Of 1" Thickness, Add</i>	14.12	
23 51 16 00-0179 LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	105.06 12.66	10.36
<i>For 2" Instead Of 1" Thickness, Add</i>	7.91	
<i>For 3" Instead Of 1" Thickness, Add</i>	15.82	
23 51 16 00-0180 LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	118.50 14.43	11.30
<i>For 2" Instead Of 1" Thickness, Add</i>	9.02	
<i>For 3" Instead Of 1" Thickness, Add</i>	18.04	
23 51 16 00-0181 LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	133.49 16.61	11.84
<i>For 2" Instead Of 1" Thickness, Add</i>	10.38	
<i>For 3" Instead Of 1" Thickness, Add</i>	20.76	
23 51 16 00-0182 LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	140.97 17.56	12.47
<i>For 2" Instead Of 1" Thickness, Add</i>	10.98	
<i>For 3" Instead Of 1" Thickness, Add</i>	21.95	
23 51 16 00-0183 LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	156.20 19.74	13.16
<i>For 2" Instead Of 1" Thickness, Add</i>	12.34	
<i>For 3" Instead Of 1" Thickness, Add</i>	24.67	
23 51 16 00-0184 LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	193.20 22.60	20.80
<i>For 2" Instead Of 1" Thickness, Add</i>	14.12	
<i>For 3" Instead Of 1" Thickness, Add</i>	28.25	
23 51 16 00-0185 LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	240.52 29.13	23.38
<i>For 2" Instead Of 1" Thickness, Add</i>	18.21	
<i>For 3" Instead Of 1" Thickness, Add</i>	36.41	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	271.59	24.93
			<i>For 316 Stainless Steel, Add</i>	33.49	
			<i>For 2" Instead Of 1" Thickness, Add</i>	20.93	
			<i>For 3" Instead Of 1" Thickness, Add</i>	41.86	
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	304.00	27.66
			<i>For 316 Stainless Steel, Add</i>	37.57	
			<i>For 2" Instead Of 1" Thickness, Add</i>	23.48	
			<i>For 3" Instead Of 1" Thickness, Add</i>	46.96	
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	338.44	29.91
			<i>For 316 Stainless Steel, Add</i>	42.20	
			<i>For 2" Instead Of 1" Thickness, Add</i>	26.37	
			<i>For 3" Instead Of 1" Thickness, Add</i>	52.75	
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	386.37	34.04
			<i>For 316 Stainless Steel, Add</i>	48.19	
			<i>For 2" Instead Of 1" Thickness, Add</i>	30.12	
			<i>For 3" Instead Of 1" Thickness, Add</i>	60.24	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	452.49	39.42
			<i>For 316 Stainless Steel, Add</i>	56.63	
			<i>For 2" Instead Of 1" Thickness, Add</i>	35.39	
			<i>For 3" Instead Of 1" Thickness, Add</i>	70.79	
23 51 16 00-0191			90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	371.43	17.22
			<i>For 316 Stainless Steel, Add</i>	65.68	
			<i>For 2" Instead Of 1" Thickness, Add</i>	32.84	
			<i>For 3" Instead Of 1" Thickness, Add</i>	65.68	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	410.35	19.17
			<i>For 316 Stainless Steel, Add</i>	72.49	
			<i>For 2" Instead Of 1" Thickness, Add</i>	36.24	
			<i>For 3" Instead Of 1" Thickness, Add</i>	72.49	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	467.17	20.80
			<i>For 316 Stainless Steel, Add</i>	83.04	
			<i>For 2" Instead Of 1" Thickness, Add</i>	41.52	
			<i>For 3" Instead Of 1" Thickness, Add</i>	83.04	
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	527.98	22.67
			<i>For 316 Stainless Steel, Add</i>	94.27	
			<i>For 2" Instead Of 1" Thickness, Add</i>	47.13	
			<i>For 3" Instead Of 1" Thickness, Add</i>	94.27	
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	612.38	23.76
			<i>For 316 Stainless Steel, Add</i>	110.60	
			<i>For 2" Instead Of 1" Thickness, Add</i>	55.30	
			<i>For 3" Instead Of 1" Thickness, Add</i>	110.60	
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	674.89	24.93
			<i>For 316 Stainless Steel, Add</i>	122.51	
			<i>For 2" Instead Of 1" Thickness, Add</i>	61.26	
			<i>For 3" Instead Of 1" Thickness, Add</i>	122.51	
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	780.26	26.26
			<i>For 316 Stainless Steel, Add</i>	142.93	
			<i>For 2" Instead Of 1" Thickness, Add</i>	71.47	
			<i>For 3" Instead Of 1" Thickness, Add</i>	142.93	
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	903.63	41.53
			<i>For 316 Stainless Steel, Add</i>	159.95	
			<i>For 2" Instead Of 1" Thickness, Add</i>	79.97	
			<i>For 3" Instead Of 1" Thickness, Add</i>	159.95	
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,112.28	46.74
			<i>For 316 Stainless Steel, Add</i>	199.08	
			<i>For 2" Instead Of 1" Thickness, Add</i>	99.54	
			<i>For 3" Instead Of 1" Thickness, Add</i>	199.08	
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,349.80	49.87
			<i>For 316 Stainless Steel, Add</i>	245.03	
			<i>For 2" Instead Of 1" Thickness, Add</i>	122.51	
			<i>For 3" Instead Of 1" Thickness, Add</i>	245.03	
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,784.04	53.37
			<i>For 316 Stainless Steel, Add</i>	330.11	
			<i>For 2" Instead Of 1" Thickness, Add</i>	165.05	
			<i>For 3" Instead Of 1" Thickness, Add</i>	330.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0203 EA 36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,027.56	62.33
<i>For 316 Stainless Steel, Add</i>	374.35	
<i>For 2" Instead Of 1" Thickness, Add</i>	187.17	
<i>For 3" Instead Of 1" Thickness, Add</i>	374.35	
23 51 16 00-0204 EA 42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,977.55	68.02
<i>For 316 Stainless Steel, Add</i>	561.52	
<i>For 2" Instead Of 1" Thickness, Add</i>	280.76	
<i>For 3" Instead Of 1" Thickness, Add</i>	561.52	
23 51 16 00-0205 EA 48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,717.76	74.79
<i>For 316 Stainless Steel, Add</i>	706.15	
<i>For 2" Instead Of 1" Thickness, Add</i>	353.08	
<i>For 3" Instead Of 1" Thickness, Add</i>	706.15	
23 51 16 00-0206 45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	247.42	16.60
<i>For 316 Stainless Steel, Add</i>	41.18	
<i>For 2" Instead Of 1" Thickness, Add</i>	20.59	
<i>For 3" Instead Of 1" Thickness, Add</i>	41.18	
23 51 16 00-0208 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	282.73	19.17
<i>For 316 Stainless Steel, Add</i>	46.96	
<i>For 2" Instead Of 1" Thickness, Add</i>	23.48	
<i>For 3" Instead Of 1" Thickness, Add</i>	46.96	
23 51 16 00-0209 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	314.01	20.80
<i>For 316 Stainless Steel, Add</i>	52.41	
<i>For 2" Instead Of 1" Thickness, Add</i>	26.20	
<i>For 3" Instead Of 1" Thickness, Add</i>	52.41	
23 51 16 00-0210 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	357.83	22.67
<i>For 316 Stainless Steel, Add</i>	60.24	
<i>For 2" Instead Of 1" Thickness, Add</i>	30.12	
<i>For 3" Instead Of 1" Thickness, Add</i>	60.24	
23 51 16 00-0211 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	403.09	23.76
<i>For 316 Stainless Steel, Add</i>	68.74	
<i>For 2" Instead Of 1" Thickness, Add</i>	34.37	
<i>For 3" Instead Of 1" Thickness, Add</i>	68.74	
23 51 16 00-0212 EA 16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	451.98	24.93
<i>For 316 Stainless Steel, Add</i>	77.93	
<i>For 2" Instead Of 1" Thickness, Add</i>	38.97	
<i>For 3" Instead Of 1" Thickness, Add</i>	77.93	
23 51 16 00-0213 EA 18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	506.31	26.26
<i>For 316 Stainless Steel, Add</i>	88.14	
<i>For 2" Instead Of 1" Thickness, Add</i>	44.07	
<i>For 3" Instead Of 1" Thickness, Add</i>	88.14	
23 51 16 00-0214 EA 20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	607.56	41.53
<i>For 316 Stainless Steel, Add</i>	100.73	
<i>For 2" Instead Of 1" Thickness, Add</i>	50.37	
<i>For 3" Instead Of 1" Thickness, Add</i>	100.73	
23 51 16 00-0215 EA 24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	763.47	46.74
<i>For 316 Stainless Steel, Add</i>	129.32	
<i>For 2" Instead Of 1" Thickness, Add</i>	64.66	
<i>For 3" Instead Of 1" Thickness, Add</i>	129.32	
23 51 16 00-0216 EA 28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	856.34	49.87
<i>For 316 Stainless Steel, Add</i>	146.34	
<i>For 2" Instead Of 1" Thickness, Add</i>	73.17	
<i>For 3" Instead Of 1" Thickness, Add</i>	146.34	
23 51 16 00-0217 EA 32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,111.92	53.37
<i>For 316 Stainless Steel, Add</i>	195.68	
<i>For 2" Instead Of 1" Thickness, Add</i>	97.84	
<i>For 3" Instead Of 1" Thickness, Add</i>	195.68	
23 51 16 00-0218 EA 36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,474.54	62.33
<i>For 316 Stainless Steel, Add</i>	263.74	
<i>For 2" Instead Of 1" Thickness, Add</i>	131.87	
<i>For 3" Instead Of 1" Thickness, Add</i>	263.74	
23 51 16 00-0219 EA 42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,956.61	68.02
<i>For 316 Stainless Steel, Add</i>	357.33	
<i>For 2" Instead Of 1" Thickness, Add</i>	178.67	
<i>For 3" Instead Of 1" Thickness, Add</i>	357.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,611.76	74.79
			<i>For 316 Stainless Steel, Add</i>	484.95	
			<i>For 2" Instead Of 1" Thickness, Add</i>	242.48	
			<i>For 3" Instead Of 1" Thickness, Add</i>	484.95	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	268.09	20.80
			<i>For 316 Stainless Steel, Add</i>	47.54	
			<i>For Tee Cap, Add</i>	61.42	
			<i>For 2" Instead Of 1" Thickness, Add</i>	21.61	
			<i>For 3" Instead Of 1" Thickness, Add</i>	43.22	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	305.07	22.67
			<i>For 316 Stainless Steel, Add</i>	54.65	
			<i>For Tee Cap, Add</i>	69.51	
			<i>For 2" Instead Of 1" Thickness, Add</i>	24.84	
			<i>For 3" Instead Of 1" Thickness, Add</i>	49.69	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	350.32	23.76
			<i>For 316 Stainless Steel, Add</i>	64.01	
			<i>For Tee Cap, Add</i>	78.97	
			<i>For 2" Instead Of 1" Thickness, Add</i>	29.10	
			<i>For 3" Instead Of 1" Thickness, Add</i>	58.19	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	402.64	24.93
			<i>For 316 Stainless Steel, Add</i>	74.87	
			<i>For Tee Cap, Add</i>	89.88	
			<i>For 2" Instead Of 1" Thickness, Add</i>	34.03	
			<i>For 3" Instead Of 1" Thickness, Add</i>	68.06	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	470.82	27.74
			<i>For 316 Stainless Steel, Add</i>	88.35	
			<i>For Tee Cap, Add</i>	104.55	
			<i>For 2" Instead Of 1" Thickness, Add</i>	40.16	
			<i>For 3" Instead Of 1" Thickness, Add</i>	80.31	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	528.79	31.16
			<i>For 316 Stainless Steel, Add</i>	99.20	
			<i>For Tee Cap, Add</i>	117.44	
			<i>For 2" Instead Of 1" Thickness, Add</i>	45.09	
			<i>For 3" Instead Of 1" Thickness, Add</i>	90.18	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	616.46	35.60
			<i>For 316 Stainless Steel, Add</i>	116.05	
			<i>For Tee Cap, Add</i>	136.64	
			<i>For 2" Instead Of 1" Thickness, Add</i>	52.75	
			<i>For 3" Instead Of 1" Thickness, Add</i>	105.50	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	705.54	44.02
			<i>For 316 Stainless Steel, Add</i>	131.02	
			<i>For Tee Cap, Add</i>	157.61	
			<i>For 2" Instead Of 1" Thickness, Add</i>	59.56	
			<i>For 3" Instead Of 1" Thickness, Add</i>	119.11	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	896.01	62.33
			<i>For 316 Stainless Steel, Add</i>	162.84	
			<i>For Tee Cap, Add</i>	202.58	
			<i>For 2" Instead Of 1" Thickness, Add</i>	74.02	
			<i>For 3" Instead Of 1" Thickness, Add</i>	148.04	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,088.80	68.02
			<i>For 316 Stainless Steel, Add</i>	202.15	
			<i>For Tee Cap, Add</i>	243.25	
			<i>For 2" Instead Of 1" Thickness, Add</i>	91.89	
			<i>For 3" Instead Of 1" Thickness, Add</i>	183.77	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,446.16	74.79
			<i>For 316 Stainless Steel, Add</i>	277.02	
			<i>For Tee Cap, Add</i>	317.28	
			<i>For 2" Instead Of 1" Thickness, Add</i>	125.92	
			<i>For 3" Instead Of 1" Thickness, Add</i>	251.83	
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,611.67	83.13
			<i>For 316 Stainless Steel, Add</i>	308.84	
			<i>For Tee Cap, Add</i>	353.51	
			<i>For 2" Instead Of 1" Thickness, Add</i>	140.38	
			<i>For 3" Instead Of 1" Thickness, Add</i>	280.76	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,566.24	124.66
			<i>For 316 Stainless Steel, Add</i>	496.01	
			<i>For Tee Cap, Add</i>	560.00	
			<i>For 2" Instead Of 1" Thickness, Add</i>	225.46	
			<i>For 3" Instead Of 1" Thickness, Add</i>	450.92	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0235	EA			48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,224.14	149.59
				<i>For 316 Stainless Steel, Add</i>	627.03	
				<i>For Tee Cap, Add</i>	700.93	
				<i>For 2" Instead Of 1" Thickness, Add</i>	285.01	
				<i>For 3" Instead Of 1" Thickness, Add</i>	570.03	
23 51 16 00-0236				Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237	EA			6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	507.76	16.60
				<i>For 2" Instead Of 1" Thickness, Add</i>	46.62	
				<i>For 3" Instead Of 1" Thickness, Add</i>	93.25	
23 51 16 00-0238	EA			8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	553.28	19.17
				<i>For 2" Instead Of 1" Thickness, Add</i>	50.54	
				<i>For 3" Instead Of 1" Thickness, Add</i>	101.07	
23 51 16 00-0239	EA			10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	605.00	20.80
				<i>For 2" Instead Of 1" Thickness, Add</i>	55.30	
				<i>For 3" Instead Of 1" Thickness, Add</i>	110.60	
23 51 16 00-0240	EA			12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	669.21	22.67
				<i>For 2" Instead Of 1" Thickness, Add</i>	61.26	
				<i>For 3" Instead Of 1" Thickness, Add</i>	122.51	
23 51 16 00-0241	EA			14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	748.51	23.76
				<i>For 2" Instead Of 1" Thickness, Add</i>	68.91	
				<i>For 3" Instead Of 1" Thickness, Add</i>	137.83	
23 51 16 00-0242	EA			16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	828.03	24.93
				<i>For 2" Instead Of 1" Thickness, Add</i>	76.57	
				<i>For 3" Instead Of 1" Thickness, Add</i>	153.14	
23 51 16 00-0243	EA			18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	924.90	26.26
				<i>For 2" Instead Of 1" Thickness, Add</i>	85.93	
				<i>For 3" Instead Of 1" Thickness, Add</i>	171.86	
23 51 16 00-0244	EA			20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,073.78	41.53
				<i>For 2" Instead Of 1" Thickness, Add</i>	96.99	
				<i>For 3" Instead Of 1" Thickness, Add</i>	193.98	
23 51 16 00-0245	EA			24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,325.00	46.74
				<i>For 2" Instead Of 1" Thickness, Add</i>	120.81	
				<i>For 3" Instead Of 1" Thickness, Add</i>	241.62	
23 51 16 00-0246	EA			28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,485.94	49.87
				<i>For 2" Instead Of 1" Thickness, Add</i>	136.13	
				<i>For 3" Instead Of 1" Thickness, Add</i>	272.25	
23 51 16 00-0247	EA			32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,699.04	53.45
				<i>For 2" Instead Of 1" Thickness, Add</i>	156.55	
				<i>For 3" Instead Of 1" Thickness, Add</i>	313.09	
23 51 16 00-0248	EA			36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,942.49	62.33
				<i>For 2" Instead Of 1" Thickness, Add</i>	178.67	
				<i>For 3" Instead Of 1" Thickness, Add</i>	357.33	
23 51 16 00-0249	EA			42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,467.09	68.02
				<i>For 2" Instead Of 1" Thickness, Add</i>	229.71	
				<i>For 3" Instead Of 1" Thickness, Add</i>	459.43	
23 51 16 00-0250	EA			48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,994.61	74.79
				<i>For 2" Instead Of 1" Thickness, Add</i>	280.76	
				<i>For 3" Instead Of 1" Thickness, Add</i>	561.52	
23 51 16 00-0251				Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA			6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	337.21	19.17
				<i>For 316 Stainless Steel, Add</i>	28.93	
23 51 16 00-0253	EA			8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	366.34	22.67
				<i>For 316 Stainless Steel, Add</i>	30.97	
23 51 16 00-0254	EA			10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	400.91	24.93
				<i>For 316 Stainless Steel, Add</i>	33.86	
23 51 16 00-0255	EA			12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	433.44	27.74
				<i>For 316 Stainless Steel, Add</i>	36.41	
23 51 16 00-0256	EA			14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	551.48	29.37
				<i>For 316 Stainless Steel, Add</i>	47.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0257 EA 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	493.08	31.16
<i>For 316 Stainless Steel, Add</i>	41.52	
23 51 16 00-0258 EA 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	530.66	33.27
<i>For 316 Stainless Steel, Add</i>	44.75	
23 51 16 00-0259 EA 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	596.72	46.74
<i>For 316 Stainless Steel, Add</i>	47.98	
23 51 16 00-0260 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	669.42	53.37
<i>For 316 Stainless Steel, Add</i>	53.60	
23 51 16 00-0261 EA 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	764.83	57.50
<i>For 316 Stainless Steel, Add</i>	62.11	
23 51 16 00-0262 EA 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	853.37	62.25
<i>For 316 Stainless Steel, Add</i>	69.77	
23 51 16 00-0263 EA 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	952.58	74.71
<i>For 316 Stainless Steel, Add</i>	76.57	
23 51 16 00-0264 EA 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,220.11	83.05
<i>For 316 Stainless Steel, Add</i>	101.24	
23 51 16 00-0265 EA 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,509.76	93.42
<i>For 316 Stainless Steel, Add</i>	127.62	
23 51 16 00-0266 Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	233.02	10.83
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	245.79	11.84
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	264.28	12.47
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	276.13	13.09
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	304.23	13.48
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	332.35	13.79
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	403.12	14.26
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	504.10	26.72
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	633.42	28.75
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	755.43	29.91
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	928.72	31.16
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,054.93	34.04
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,331.23	35.60
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,701.50	37.40
23 51 16 00-0281 Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282 EA 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	255.07	10.83
23 51 16 00-0283 EA 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	295.14	11.84
23 51 16 00-0284 EA 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	342.53	12.47
23 51 16 00-0285 EA 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	393.51	13.09
23 51 16 00-0286 EA 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	459.04	13.48
23 51 16 00-0287 EA 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	521.26	13.87
23 51 16 00-0288 EA 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	580.11	14.26
23 51 16 00-0289 EA 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	696.30	26.72
23 51 16 00-0290 EA 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	829.10	28.75
23 51 16 00-0291 EA 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	900.02	29.91
23 51 16 00-0292 EA 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,022.26	31.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293 EA 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,190.96	33.97
23 51 16 00-0294 EA 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,450.28	35.60
23 51 16 00-0295 EA 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,684.43	37.40
23 51 16 00-0296 Roof Support Assemblies <small>(23 51 16 00-0175)</small>		
23 51 16 00-0297 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	385.01	19.94
<i>For 316 Stainless Steel, Add</i>	67.04	
23 51 16 00-0298 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	425.21	23.76
<i>For 316 Stainless Steel, Add</i>	73.17	
23 51 16 00-0299 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	467.13	26.26
<i>For 316 Stainless Steel, Add</i>	80.31	
23 51 16 00-0300 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	498.67	29.30
<i>For 316 Stainless Steel, Add</i>	85.08	
23 51 16 00-0301 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	556.05	31.16
<i>For 316 Stainless Steel, Add</i>	95.63	
23 51 16 00-0302 EA 16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	590.19	33.27
<i>For 316 Stainless Steel, Add</i>	101.41	
23 51 16 00-0303 EA 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	633.62	35.68
<i>For 316 Stainless Steel, Add</i>	108.90	
23 51 16 00-0304 EA 20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	703.20	49.87
<i>For 316 Stainless Steel, Add</i>	115.71	
23 51 16 00-0305 EA 24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	790.46	57.58
<i>For 316 Stainless Steel, Add</i>	129.32	
23 51 16 00-0306 EA 28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	913.02	62.33
<i>For 316 Stainless Steel, Add</i>	151.44	
23 51 16 00-0307 EA 32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,088.81	68.02
<i>For 316 Stainless Steel, Add</i>	183.77	
23 51 16 00-0308 EA 36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,262.85	83.13
<i>For 316 Stainless Steel, Add</i>	211.00	
23 51 16 00-0309 EA 42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,884.25	93.50
<i>For 316 Stainless Steel, Add</i>	330.11	
23 51 16 00-0310 EA 48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,307.62	106.27
<i>For 316 Stainless Steel, Add</i>	408.38	
23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
Note: With 1" insulation.		
23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe <small>(23 51 16 00-0311)</small>		
Note: With 1" insulation.		
23 51 16 00-0313 LF 6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	68.45	8.34
<i>For 2" Instead Of 1" Thickness, Add</i>	4.76	
<i>For 3" Instead Of 1" Thickness, Add</i>	9.53	
23 51 16 00-0314 LF 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	83.54	8.88
<i>For 2" Instead Of 1" Thickness, Add</i>	6.13	
<i>For 3" Instead Of 1" Thickness, Add</i>	12.25	
23 51 16 00-0315 LF 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	95.47	9.58
<i>For 2" Instead Of 1" Thickness, Add</i>	7.15	
<i>For 3" Instead Of 1" Thickness, Add</i>	14.29	
23 51 16 00-0316 LF 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	129.70	10.36
<i>For 2" Instead Of 1" Thickness, Add</i>	10.38	
<i>For 3" Instead Of 1" Thickness, Add</i>	20.76	
23 51 16 00-0317 LF 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	167.89	11.37
<i>For 2" Instead Of 1" Thickness, Add</i>	13.95	
<i>For 3" Instead Of 1" Thickness, Add</i>	27.91	
23 51 16 00-0318 LF 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	213.52	11.93
<i>For 2" Instead Of 1" Thickness, Add</i>	18.38	
<i>For 3" Instead Of 1" Thickness, Add</i>	36.75	
23 51 16 00-0319 90 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	147.91	16.60
<i>For 2" Instead Of 1" Thickness, Add</i>	10.64	
<i>For 3" Instead Of 1" Thickness, Add</i>	21.27	
23 51 16 00-0321 EA 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	163.60	17.77
<i>For 2" Instead Of 1" Thickness, Add</i>	11.91	
<i>For 3" Instead Of 1" Thickness, Add</i>	23.82	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0322 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	184.07	19.17
For 2" Instead Of 1" Thickness, Add	13.61	
For 3" Instead Of 1" Thickness, Add	27.23	
23 51 16 00-0323 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	228.93	20.80
For 2" Instead Of 1" Thickness, Add	17.70	
For 3" Instead Of 1" Thickness, Add	35.39	
23 51 16 00-0324 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	272.75	22.67
For 2" Instead Of 1" Thickness, Add	21.61	
For 3" Instead Of 1" Thickness, Add	43.22	
23 51 16 00-0325 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	317.97	23.76
For 2" Instead Of 1" Thickness, Add	25.86	
For 3" Instead Of 1" Thickness, Add	51.73	
23 51 16 00-0326 45 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0327 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	121.32	16.60
For 2" Instead Of 1" Thickness, Add	7.98	
For 3" Instead Of 1" Thickness, Add	15.95	
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	133.81	17.77
For 2" Instead Of 1" Thickness, Add	8.93	
For 3" Instead Of 1" Thickness, Add	17.87	
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	150.03	19.17
For 2" Instead Of 1" Thickness, Add	10.21	
For 3" Instead Of 1" Thickness, Add	20.42	
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	184.69	20.80
For 2" Instead Of 1" Thickness, Add	13.27	
For 3" Instead Of 1" Thickness, Add	26.54	
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	218.72	22.67
For 2" Instead Of 1" Thickness, Add	16.21	
For 3" Instead Of 1" Thickness, Add	32.42	
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	253.35	23.76
For 2" Instead Of 1" Thickness, Add	19.40	
For 3" Instead Of 1" Thickness, Add	38.80	
23 51 16 00-0333 Tees With Tee Caps (23 51 16 00-0311)		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	242.31	16.60
For 2" Instead Of 1" Thickness, Add	20.08	
For 3" Instead Of 1" Thickness, Add	40.16	
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	306.53	17.77
For 2" Instead Of 1" Thickness, Add	26.20	
For 3" Instead Of 1" Thickness, Add	52.41	
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	343.98	19.17
For 2" Instead Of 1" Thickness, Add	29.61	
For 3" Instead Of 1" Thickness, Add	59.21	
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	468.80	20.80
For 2" Instead Of 1" Thickness, Add	41.69	
For 3" Instead Of 1" Thickness, Add	83.38	
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	643.66	22.67
For 2" Instead Of 1" Thickness, Add	58.70	
For 3" Instead Of 1" Thickness, Add	117.41	
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	825.02	23.76
For 2" Instead Of 1" Thickness, Add	76.57	
For 3" Instead Of 1" Thickness, Add	153.14	
23 51 16 00-0340 Joist Shields (23 51 16 00-0311)		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	102.79	16.60
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	110.85	17.77
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	129.59	19.17
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	161.75	20.80
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	193.62	22.67
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	229.49	23.76
23 51 16 00-0347 Adjustable Roof Flashing (23 51 16 00-0311)		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	122.35	16.60
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	136.36	17.77
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	148.30	19.17
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	180.45	20.80
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	222.59	22.67
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	266.89	23.69
23 51 16 00-0354 Vent Top Caps (23 51 16 00-0311)		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	109.59	16.60
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	137.22	17.77
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	172.13	19.17
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	274.91	20.80
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	374.88	22.67
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	477.94	23.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0361 Roof Support Assemblies <small>(23 51 16 00-0311)</small>						
			EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	163.13	16.60
			EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	181.46	17.77
			EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	196.79	19.17
			EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	247.61	20.80
			EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	293.17	22.67
			EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe.....	358.83	23.76
23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories <small>(23 51 16)</small>						
23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination <small>(23 51 16 00-0368)</small>						
			EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination.....	134.78	31.74
			EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination.....	144.97	31.74
23 52 Heating Boilers <small>(23 52)</small>						
23 52 13 Electric Boilers <small>(23 52)</small>						
23 52 13 00-0001 Packaged Electric Steam Boiler <small>(23 52 13)</small>						
Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.						
			EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	10,815.02	449.25
			EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	11,716.02	524.13
			EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	12,842.64	561.58
			EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,480.12	599.01
			EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	16,072.51	636.45
			EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	18,926.76	711.33
			EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls.....	21,781.01	786.20
			EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls.....	22,426.86	823.64
			EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls.....	23,057.66	861.08
			EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls.....	31,170.66	935.95
			EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls.....	32,597.78	973.39
			EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls.....	34,155.75	1,076.24
			EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls.....	35,667.44	1,155.97
			EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls.....	38,651.58	1,235.69
			EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls.....	41,775.55	1,355.28
			EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls.....	44,109.02	1,395.14
			EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls.....	46,442.49	1,434.99
			EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls.....	48,024.71	1,474.85
			EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls.....	49,606.94	1,514.72
			EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls.....	53,071.88	1,594.44
			EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls.....	56,536.82	1,674.16
			EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls.....	59,922.05	1,714.02
			EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls.....	67,514.26	1,753.89
			EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls.....	72,631.97	1,833.60
			EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls.....	74,444.16	1,913.33
			EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls.....	83,097.32	2,032.91
			EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls.....	85,439.99	2,152.50
			EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls.....	87,782.65	2,272.08
			EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls.....	94,332.32	2,391.66
			EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls.....	97,196.26	2,471.38
			EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls.....	101,121.15	2,630.82
			EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls.....	104,745.53	2,790.27
			EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls.....	115,581.93	2,949.71
			EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls.....	122,211.31	3,109.16
23 52 13 00-0036 Packaged Electric Hot Water Boiler <small>(23 52 13)</small>						
Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.						
			EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls.....	9,087.39	411.81
			EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls.....	9,763.27	449.25
			EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls.....	10,439.14	486.69
			EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls.....	11,009.85	524.13
			EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls.....	11,595.56	561.58
			EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls.....	12,166.27	599.01
			EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls.....	12,842.14	636.45
			EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,818.52	673.89
			EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,389.22	711.33
			EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,944.90	748.76
			EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls.....	15,921.27	786.20
			EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls.....	16,747.40	823.64
			EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls.....	18,099.41	861.08
			EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls.....	18,775.28	898.52
			EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls.....	19,526.29	935.95
			EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls.....	21,584.46	973.39
			EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls.....	23,788.50	1,076.24
			EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls.....	25,931.24	1,155.97
			EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	28,089.00	1,235.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0056 EA 270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	30,311.47	1,355.28
23 52 13 00-0057 EA 300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	32,469.24	1,434.99
23 52 13 00-0058 EA 330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	34,206.32	1,514.72
23 52 13 00-0059 EA 360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	35,863.66	1,554.58
23 52 13 00-0060 EA 390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	38,257.23	1,594.44
23 52 13 00-0061 EA 420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	40,610.32	1,674.16
23 52 13 00-0062 EA 450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	43,014.32	1,674.16
23 52 13 00-0063 EA 504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	47,301.05	1,714.02
23 52 13 00-0064 EA 612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	49,709.64	1,753.89
23 52 13 00-0065 EA 684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	52,197.97	1,833.60
23 52 13 00-0066 EA 720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	54,606.55	1,873.47
23 52 13 00-0067 EA 750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	57,015.16	1,913.33
23 52 13 00-0068 EA 810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	58,756.82	2,032.91
23 52 13 00-0069 EA 900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	62,000.99	2,152.50
23 52 13 00-0070 EA 1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	73,358.65	2,272.08
23 52 13 00-0071 EA 1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	80,809.82	2,391.66
23 52 13 00-0072 EA 1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	84,575.26	2,471.38
23 52 13 00-0073 EA 1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	88,650.40	2,630.82
23 52 13 00-0074 EA 1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	92,725.53	2,790.27
23 52 13 00-0075 EA 1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	103,862.43	2,949.71
23 52 13 00-0076 EA 1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	110,792.31	3,109.16
23 52 13 00-0077 EA 1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	113,806.51	3,188.88
23 52 13 00-0078 EA 1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	116,820.70	3,268.60
23 52 13 00-0079 EA 1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	117,059.87	3,388.18
23 52 13 00-0080 EA 2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	133,746.81	3,467.91
23 52 13 00-0081 EA 2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	143,000.98	3,587.49
23 52 13 00-0082 EA 2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	160,908.31	3,826.66
23 52 13 00-0083 EA 2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	173,725.50	4,225.27
23 52 13 00-0084 EA 3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	192,712.19	4,703.60
23 52 13 00-0085 EA 3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	201,181.35	5,181.93

23 52 16 Condensing Boilers (23 52)**23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)****23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)**

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002 EA 75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79).....	9,465.22	299.50
23 52 16 13-0003 EA 127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129).....	8,881.64	395.35
23 52 16 13-0004 EA 168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179).....	9,472.93	444.76
23 52 16 13-0005 EA 187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1).....	10,116.60	494.18
23 52 16 13-0006 EA 281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299).....	13,100.46	494.18
23 52 16 13-0007 EA 374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399).....	15,335.04	599.01
23 52 16 13-0008 EA 589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599).....	20,560.88	642.43
23 52 16 13-0009 EA 785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798).....	28,781.42	790.69
Note: Includes vent manifold.		
23 52 16 13-0010 EA 980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998).....	35,191.86	864.82
Note: Includes vent manifold.		
23 52 16 13-0011 EA 1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499).....	50,796.68	1,013.08
23 52 16 13-0012 EA 1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999).....	55,976.59	1,087.20

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Capacity given is IBR rating.

23 52 16 13-0014 EA 484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	26,758.61	642.43
23 52 16 13-0015 EA 612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	27,910.57	642.43
23 52 16 13-0016 EA 791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	31,258.90	790.69
23 52 16 13-0017 EA 1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	33,862.32	889.53
23 52 16 13-0018 EA 1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	37,595.94	938.94
23 52 16 13-0019 EA 1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	43,068.36	1,013.08
23 52 16 13-0020 EA 2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	51,484.67	1,087.20

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners.

23 52 16 13-0022 EA 2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	54,346.20	1,186.04
23 52 16 13-0023 EA 3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	62,954.64	1,235.45
23 52 16 13-0024 EA 4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	72,974.44	1,309.59

23 52 16 13-0025 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)

23 52 16 13-0026 EA 165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211).....	6,070.65	444.76
23 52 16 13-0027 EA 226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286).....	7,880.73	494.18

23 52 16 13-0028 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)

23 52 16 13-0029 EA 324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400).....	10,374.01	593.02
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0030 EA 406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501).....	12,781.97	599.01
23 52 16 13-0031 EA 493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601).....	14,984.89	642.43
23 52 16 13-0032 EA 574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701).....	17,127.68	642.43
23 52 16 13-0033 EA 654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801).....	19,705.15	716.57
23 52 16 13-0034 Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0035 EA 941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000).....	26,926.88	864.82
23 52 16 13-0036 EA 1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300).....	30,639.20	938.94
23 52 16 13-0037 EA 1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500).....	32,908.40	1,013.08
23 52 16 13-0038 Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0039 EA 1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500).....	32,596.32	938.94
23 52 16 13-0040 EA 1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000).....	38,989.39	1,037.78
23 52 16 13-0041 EA 2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500).....	50,759.17	1,136.61
23 52 16 13-0042 EA 2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000).....	55,927.19	1,196.52
23 52 16 13-0043 EA 3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500).....	66,322.12	1,196.52
23 52 16 13-0044 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)		
Note: Compliant with SCAQMD.		
23 52 16 13-0045 EA 80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	5,668.79	296.51
23 52 16 13-0046 EA 105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	6,406.51	321.22
23 52 16 13-0047 EA 150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	7,343.95	444.76
23 52 16 13-0048 EA 210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	8,178.95	494.18
23 52 16 13-0049 EA 285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	10,346.70	494.18
23 52 16 13-0050 EA 399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	13,038.98	593.02
23 52 16 13-0051 EA 500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	16,763.63	642.43
23 52 16 13-0052 EA 600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600).....	17,861.25	642.43
23 52 16 13-0053 EA 750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750).....	19,458.95	741.27
23 52 16 13-0054 EA 850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850).....	21,023.06	840.11
23 52 16 13-0055 EA 1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000).....	30,194.07	889.53
23 52 16 13-0056 EA 1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700).....	40,150.26	1,037.78
23 52 16 13-0057 EA 150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150).....	7,872.40	444.76
23 52 16 13-0058 EA 199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199).....	9,280.64	494.18
23 52 16 13-0059 EA 285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285).....	11,784.39	494.18
23 52 16 13-0060 EA 399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399).....	14,367.73	593.02
23 52 16 13-0061 EA 500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500).....	17,942.70	642.43
23 52 16 13-0062 EA 600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600).....	18,553.62	642.43
23 52 16 13-0063 EA 750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750).....	20,502.61	741.27
23 52 16 13-0064 EA 800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800).....	21,999.43	790.69
23 52 16 13-0065 EA 1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000).....	30,194.07	889.53
23 52 16 13-0066 EA 1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700).....	40,150.26	1,037.78
23 52 16 13-0067 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0068 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN).....	29,892.47	1,013.08
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0069 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN).....	35,436.43	1,087.20
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0070 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	50,765.39	1,196.52
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0071 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	54,069.11	1,196.52
Note: Includes gas PRV and pump delay relay.		
23 52 16 16 Aluminum Condensing Boilers (23 52 16)		
23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)		
23 52 16 16-0002 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	4,571.13	299.50
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	4,980.38	321.22
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	5,800.60	444.76
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	6,507.65	494.18
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	8,329.31	593.02
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0007 Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)		
23 52 16 16-0008 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300).....	13,134.53	494.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0009 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	14,945.05	599.01
23 52 16 16-0010 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	16,925.67	748.76
23 52 16 16-0011 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	25,082.62	840.11
23 52 16 16-0012 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	26,201.71	889.53
23 52 16 16-0013 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	40,660.85	1,013.08
23 52 16 16-0014 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	44,030.70	1,087.20
23 52 16 16-0015 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	50,972.93	1,186.04
23 52 16 16-0016 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	63,041.66	1,186.04
23 52 16 16-0017 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	77,127.13	1,309.59
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	5,713.69	299.50
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	6,559.09	321.22
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	7,551.69	395.35
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	8,413.09	494.18
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	255.99	74.88
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	344.30	74.88
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265)	769.25	74.88
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)	7,709.34	494.18
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)	9,644.11	593.02
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)	18,978.14	704.21
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)	17,732.83	704.21
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)	22,585.59	716.57
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)	21,340.29	716.57
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)	26,256.97	840.11
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)	31,761.76	889.53
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)	32,641.27	938.94
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)	33,140.02	938.94
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4)	39,781.30	938.94
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4)	40,280.05	938.94
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35)	530.58	74.88



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers <small>(23 52 16 16)</small>						
Note: Includes standard controls.						
	23 52 16 16-0041	EA		305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90).....	15,295.38	494.18
Note: Includes an aluminum heat exchanger.						
	23 52 16 16-0042	EA		409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120).....	16,990.04	599.01
Note: Includes an aluminum heat exchanger.						
	23 52 16 16-0043	EA		544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160).....	20,147.67	642.43
Note: Includes an aluminum heat exchanger.						
	23 52 16 16-0044	EA		676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200).....	23,239.39	716.57
Note: Includes an aluminum heat exchanger.						
	23 52 16 16-0045	EA		810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240).....	27,867.03	790.69
Note: Includes an aluminum heat exchanger.						
	23 52 16 16-0046	EA		944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280).....	30,779.56	864.82
Note: Includes an aluminum heat exchanger.						
	23 52 16 16-0047	EA		Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	458.86	37.44
	23 52 16 16-0048	EA		Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	215.67	37.44
	23 52 16 16-0049	EA		Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	314.23	37.44
	23 52 16 16-0050	EA		Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	680.30	37.44
23 52 16 19 Copper Water-Tube Condensing Boilers <small>(23 52 16)</small>						
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers <small>(23 52 16 19)</small>						
	23 52 16 19-0002	EA		1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	30,628.00	938.94
	23 52 16 19-0003	EA		1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	34,533.58	1,037.78
	23 52 16 19-0004	EA		2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	37,789.06	1,087.20
	23 52 16 19-0005	EA		2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	40,929.16	1,186.04
23 52 16 23 Cast Iron Condensing Boilers <small>(23 52 16)</small>						
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers <small>(23 52 16 23)</small>						
	23 52 16 23-0002	EA		199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	10,411.86	494.18
	23 52 16 23-0003	EA		399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	15,116.10	599.01
	23 52 16 23-0004	EA		600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	24,656.71	642.43
	23 52 16 23-0005	EA		1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	32,558.33	889.53
	23 52 16 23-0006	EA		1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	43,378.97	1,037.78
	23 52 16 23-0007	EA		1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	47,311.34	1,087.20
	23 52 16 23-0008	EA		2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	60,182.55	1,186.04
	23 52 16 23-0009	EA		3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	65,693.05	1,186.04
23 52 23 Cast-Iron Boilers <small>(23 52)</small>						
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23)</small>						
Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.						
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>						
Note: Field assembled boilers can only be used in situations where package units cannot be installed.						
	23 52 23 00-0003	EA		208 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler.....	13,080.64	2,592.50
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0004	EA		297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler.....	14,286.17	2,765.35
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0005	EA		386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler.....	15,604.25	2,938.18
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0006	EA		476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler.....	16,831.03	3,111.01
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0007	EA		565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler.....	17,965.15	3,283.84
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0008	EA		654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler.....	19,512.13	3,456.68
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0009	EA		743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler.....	20,711.14	3,629.51
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0010	EA		833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler.....	21,666.10	3,802.35
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0011	EA		922 MBH Steam, 1069 MBH Water Gas Fired Cast Iron Boiler.....	22,617.60	3,975.18
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
	23 52 23 00-0012	EA		1,018 MBH Steam, 1172 MBH Water Gas Fired Cast Iron Boiler.....	23,714.01	4,148.02
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						
23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>						
	23 52 23 00-0014	EA		208 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler.....	8,993.05	318.88
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.						
	23 52 23 00-0015	EA		297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler.....	10,008.40	318.88
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.						
	23 52 23 00-0016	EA		386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler.....	11,457.09	398.61
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.						
	23 52 23 00-0017	EA		476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler.....	12,492.39	398.61
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0018 EA 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	13,757.33	478.33
23 52 23 00-0019 EA 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	15,126.53	478.33
23 52 23 00-0020 EA 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	16,454.47	558.05
23 52 23 00-0021 EA 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	17,538.80	637.78
23 52 23 00-0022 EA 922 MBH Steam, 1069 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	18,302.15	637.78
23 52 23 00-0023 EA 1,018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	19,526.14	717.50
23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025 EA 208 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	13,673.89	2,592.50
23 52 23 00-0026 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	14,985.47	2,765.35
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	16,239.50	2,938.18
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,638.48	3,111.01
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,794.65	3,283.84
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,476.03	3,456.68
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,538.54	3,629.51
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,572.25	3,802.35
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,524.80	3,975.18
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,649.56	4,148.02
23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
23 52 23 00-0036 EA 208 MBH Steam, 242 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	9,586.30	318.88
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	10,707.70	318.88
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	12,092.34	398.61
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	13,299.84	398.61
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	14,586.83	478.33
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	16,090.43	478.33
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	17,281.87	558.05
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	18,444.95	637.78
23 52 23 00-0044 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	19,209.35	637.78
23 52 23 00-0045 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	20,461.69	717.50
23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 608 MBH Steam, 704 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	21,181.37	3,888.77
23 52 23 00-0049 EA 813 MBH Steam, 943 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	23,367.12	4,126.41
23 52 23 00-0050 EA 1,028 MBH Steam, 1,161 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	26,067.45	4,364.06
23 52 23 00-0051 EA 1,254 MBH Steam, 1,419 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	28,449.25	4,601.71
23 52 23 00-0052 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	30,523.02	4,839.34
23 52 23 00-0053 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	33,518.55	5,076.99
23 52 23 00-0054 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	35,611.60	5,314.64
23 52 23 00-0055 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	37,465.82	5,552.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0056 EA 2,329 MBH Steam, 2,609 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	39,933.94	5,789.93
23 52 23 00-0057 EA 2,539 MBH Steam, 2,843 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	41,923.37	6,027.58
23 52 23 00-0058 EA 2,756 MBH Steam, 3,087 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	45,231.60	6,265.23
23 52 23 00-0059 EA 2,966 MBH Steam, 3,322 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	47,125.59	6,502.88
23 52 23 00-0060 EA 3,175 MBH Steam, 3,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	49,133.12	6,740.52
23 52 23 00-0061 EA 3,383 MBH Steam, 3,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,367.57	6,978.17
23 52 23 00-0062 EA 3,602 MBH Steam, 4,035 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	53,189.59	7,215.82
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064 EA 608 MBH Steam, 704 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	16,469.17	558.05
23 52 23 00-0065 EA 813 MBH Steam, 943 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	18,678.05	637.78
23 52 23 00-0066 EA 1,028 MBH Steam, 1,161 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	21,414.04	717.50
23 52 23 00-0067 EA 1,254 MBH Steam, 1,419 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	23,808.78	797.22
23 52 23 00-0068 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	25,585.38	797.22
23 52 23 00-0069 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	28,606.95	876.94
23 52 23 00-0070 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	30,405.60	876.94
23 52 23 00-0071 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	32,282.71	956.66
23 52 23 00-0072 EA 2,329 MBH Steam, 2,609 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	34,457.26	956.66
23 52 23 00-0073 EA 2,539 MBH Steam, 2,843 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	36,469.81	1,036.39
23 52 23 00-0074 EA 2,756 MBH Steam, 3,087 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	38,418.28	1,116.11
23 52 23 00-0075 EA 2,966 MBH Steam, 3,322 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	40,018.48	1,116.11
23 52 23 00-0076 EA 3,175 MBH Steam, 3,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	42,049.92	1,195.83
23 52 23 00-0077 EA 3,383 MBH Steam, 3,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	43,989.27	1,195.83
23 52 23 00-0078 EA 3,602 MBH Steam, 4,035 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	45,856.87	1,275.55
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 608 MBH Steam, 704 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	21,912.17	3,888.77
23 52 23 00-0081 EA 813 MBH Steam, 943 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	24,093.72	4,126.41
23 52 23 00-0082 EA 1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	26,983.05	4,364.06
23 52 23 00-0083 EA 1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	29,457.25	4,601.71
23 52 23 00-0084 EA 1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	31,428.12	4,839.34
23 52 23 00-0085 EA 1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	34,366.95	5,076.99
23 52 23 00-0086 EA 1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	36,885.25	5,314.64
23 52 23 00-0087 EA 2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	38,739.47	5,552.29
23 52 23 00-0088 EA 2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	41,182.39	5,789.93
23 52 23 00-0089 EA 2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	43,708.37	6,027.58
23 52 23 00-0090 EA 2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	47,106.90	6,265.23
23 52 23 00-0091 EA 2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	49,631.94	6,502.88
23 52 23 00-0092 EA 3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,007.37	6,740.52
23 52 23 00-0093 EA 3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	53,185.12	6,978.17
23 52 23 00-0094 EA 3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	55,027.09	7,215.82
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0096 EA 608 MBH Steam, 704 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	17,199.97	558.05
23 52 23 00-0097 EA 813 MBH Steam, 943 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	19,404.65	637.78
23 52 23 00-0098 EA 1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	22,319.14	717.50
23 52 23 00-0099 EA 1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	24,816.78	797.22
23 52 23 00-0100 EA 1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	26,492.58	797.22
23 52 23 00-0101 EA 1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	29,455.35	876.94
23 52 23 00-0102 EA 1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	31,679.25	876.94
23 52 23 00-0103 EA 2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	33,556.36	956.66
23 52 23 00-0104 EA 2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	35,705.71	956.66
23 52 23 00-0105 EA 2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	38,260.06	1,036.39
23 52 23 00-0106 EA 2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	40,293.58	1,116.11
23 52 23 00-0107 EA 2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	41,474.83	1,116.11
23 52 23 00-0108 EA 3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	43,924.17	1,195.83
23 52 23 00-0109 EA 3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	45,806.82	1,195.83
23 52 23 00-0110 EA 3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	47,673.37	1,275.55
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113 EA 1,575 MBH Steam, 1,763 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	57,412.85	7,561.48
23 52 23 00-0114 EA 1,801 MBH Steam, 2,017 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	62,226.25	7,993.56
23 52 23 00-0115 EA 2,028 MBH Steam, 2,271 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	66,624.48	8,425.66
23 52 23 00-0116 EA 2,255 MBH Steam, 2,525 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	70,931.34	8,857.74
23 52 23 00-0117 EA 2,477 MBH Steam, 2,774 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	75,278.16	9,289.83
23 52 23 00-0118 EA 2,702 MBH Steam, 3,026 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	80,868.06	9,721.91
23 52 23 00-0119 EA 2,927 MBH Steam, 3,278 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	84,965.18	10,153.99
23 52 23 00-0120 EA 3,160 MBH Steam, 3,539 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	88,930.42	10,586.08
23 52 23 00-0121 EA 3,385 MBH Steam, 3,791 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	95,368.28	11,018.16
23 52 23 00-0122 EA 3,610 MBH Steam, 4,043 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	99,331.25	11,450.25
23 52 23 00-0123 EA 3,835 MBH Steam, 4,296 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	102,734.41	11,882.33
23 52 23 00-0124 EA 4,061 MBH Steam, 4,548 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	108,948.76	12,314.41
23 52 23 00-0125 EA 4,286 MBH Steam, 4,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	112,944.41	12,746.50
23 52 23 00-0126 EA 4,511 MBH Steam, 5,052 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	119,301.20	13,178.58
23 52 23 00-0127 EA 4,736 MBH Steam, 5,304 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,506.05	13,610.68
23 52 23 00-0128 EA 4,961 MBH Steam, 5,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	128,104.71	14,042.76
23 52 23 00-0129 EA 5,186 MBH Steam, 5,809 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,058.10	14,474.84
23 52 23 00-0130 EA 5,411 MBH Steam, 6,061 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,124.39	14,906.93
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132 EA 1,575 MBH Steam, 1,763 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	50,676.31	1,036.39
23 52 23 00-0133 EA 1,801 MBH Steam, 2,017 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	55,276.03	1,116.11
23 52 23 00-0134 EA 2,028 MBH Steam, 2,271 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	59,457.87	1,195.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0135 EA 2,255 MBH Steam, 2,525 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	63,551.47	1,275.55
23 52 23 00-0136 EA 2,477 MBH Steam, 2,774 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	67,362.97	1,275.55
23 52 23 00-0137 EA 2,702 MBH Steam, 3,026 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	71,357.99	1,355.28
23 52 23 00-0138 EA 2,927 MBH Steam, 3,278 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	74,920.64	1,355.28
23 52 23 00-0139 EA 3,160 MBH Steam, 3,539 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	78,670.89	1,434.99
23 52 23 00-0140 EA 3,385 MBH Steam, 3,791 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	84,575.04	1,434.99
23 52 23 00-0141 EA 3,610 MBH Steam, 4,043 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	88,324.23	1,514.72
23 52 23 00-0142 EA 3,835 MBH Steam, 4,296 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	91,192.83	1,514.72
23 52 23 00-0143 EA 4,061 MBH Steam, 4,548 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	97,194.36	1,594.44
23 52 23 00-0144 EA 4,286 MBH Steam, 4,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	100,655.16	1,594.44
23 52 23 00-0145 EA 4,511 MBH Steam, 5,052 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	106,816.30	1,674.16
23 52 23 00-0146 EA 4,736 MBH Steam, 5,304 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	110,467.15	1,674.16
23 52 23 00-0147 EA 4,961 MBH Steam, 5,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	114,849.53	1,753.89
23 52 23 00-0148 EA 5,186 MBH Steam, 5,809 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	118,269.38	1,753.89
23 52 23 00-0149 EA 5,411 MBH Steam, 6,061 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	122,120.43	1,833.60
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,575 MBH Steam, 1,763 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	54,279.65	7,561.48
23 52 23 00-0152 EA 1,801 MBH Steam, 2,017 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	59,093.05	7,993.56
23 52 23 00-0153 EA 2,028 MBH Steam, 2,271 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	64,942.38	8,425.66
23 52 23 00-0154 EA 2,255 MBH Steam, 2,525 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	68,870.19	8,857.74
23 52 23 00-0155 EA 2,477 MBH Steam, 2,774 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	72,958.71	9,289.83
23 52 23 00-0156 EA 2,702 MBH Steam, 3,026 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	78,259.86	9,721.91
23 52 23 00-0157 EA 2,927 MBH Steam, 3,278 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	82,552.28	10,153.99
23 52 23 00-0158 EA 3,160 MBH Steam, 3,539 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	86,519.62	10,586.08
23 52 23 00-0159 EA 3,385 MBH Steam, 3,791 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	93,707.18	11,018.16
23 52 23 00-0160 EA 3,610 MBH Steam, 4,043 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	97,671.20	11,450.25
23 52 23 00-0161 EA 3,835 MBH Steam, 4,296 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	101,634.01	11,882.33
23 52 23 00-0162 EA 4,061 MBH Steam, 4,548 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	108,956.11	12,314.41
23 52 23 00-0163 EA 4,286 MBH Steam, 4,800 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	112,951.76	12,746.50
23 52 23 00-0164 EA 4,511 MBH Steam, 5,052 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	119,477.60	13,178.58
23 52 23 00-0165 EA 4,736 MBH Steam, 5,304 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,681.40	13,610.68
23 52 23 00-0166 EA 4,961 MBH Steam, 5,557 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	128,189.76	14,042.76
23 52 23 00-0167 EA 5,186 MBH Steam, 5,809 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,143.15	14,474.84
23 52 23 00-0168 EA 5,411 MBH Steam, 6,061 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,215.74	14,906.93
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0170 EA 1,575 MBH Steam, 1,763 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	47,373.01	1,036.39
23 52 23 00-0171 EA 1,801 MBH Steam, 2,017 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	51,972.73	1,116.11
23 52 23 00-0172 EA 2,028 MBH Steam, 2,271 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	57,605.67	1,195.83
23 52 23 00-0173 EA 2,255 MBH Steam, 2,525 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	61,320.22	1,275.55
23 52 23 00-0174 EA 2,477 MBH Steam, 2,774 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	64,873.42	1,275.55

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0175 EA 2,702 MBH Steam, 3,026 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	68,579.69	1,355.28
23 52 23 00-0176 EA 2,927 MBH Steam, 3,278 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	72,337.64	1,355.28
23 52 23 00-0177 EA 3,160 MBH Steam, 3,539 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	76,087.89	1,434.99
23 52 23 00-0178 EA 3,385 MBH Steam, 3,791 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	82,743.84	1,434.99
23 52 23 00-0179 EA 3,610 MBH Steam, 4,043 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	86,491.98	1,514.72
23 52 23 00-0180 EA 3,835 MBH Steam, 4,296 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	89,922.33	1,514.72
23 52 23 00-0181 EA 4,061 MBH Steam, 4,548 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	97,031.61	1,594.44
23 52 23 00-0182 EA 4,286 MBH Steam, 4,800 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	100,492.41	1,594.44
23 52 23 00-0183 EA 4,511 MBH Steam, 5,052 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	106,801.60	1,674.16
23 52 23 00-0184 EA 4,736 MBH Steam, 5,304 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	110,472.40	1,674.16
23 52 23 00-0185 EA 4,961 MBH Steam, 5,557 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	114,764.48	1,753.89
23 52 23 00-0186 EA 5,186 MBH Steam, 5,809 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	118,184.33	1,753.89
23 52 23 00-0187 EA 5,411 MBH Steam, 6,061 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	122,041.68	1,833.60
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	58,397.75	7,561.48
23 52 23 00-0190 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	63,212.20	7,993.56
23 52 23 00-0191 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	67,879.23	8,425.66
23 52 23 00-0192 EA 2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	72,292.14	8,857.74
23 52 23 00-0193 EA 2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	76,614.81	9,289.83
23 52 23 00-0194 EA 2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	81,361.56	9,721.91
23 52 23 00-0195 EA 2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	86,604.23	10,153.99
23 52 23 00-0196 EA 3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	90,827.77	10,586.08
23 52 23 00-0197 EA 3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	97,430.48	11,018.16
23 52 23 00-0198 EA 3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	101,393.45	11,450.25
23 52 23 00-0199 EA 3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	104,870.11	11,882.33
23 52 23 00-0200 EA 4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	111,155.86	12,314.41
23 52 23 00-0201 EA 4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	116,201.51	12,746.50
23 52 23 00-0202 EA 4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,121.10	13,178.58
23 52 23 00-0203 EA 4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	127,294.45	13,610.68
23 52 23 00-0204 EA 4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,088.41	14,042.76
23 52 23 00-0205 EA 5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,042.85	14,474.84
23 52 23 00-0206 EA 5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	140,112.29	14,906.93
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0208 EA 1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	51,737.86	1,036.39
23 52 23 00-0209 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	56,338.63	1,116.11
23 52 23 00-0210 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	60,792.42	1,195.83
23 52 23 00-0211 EA 2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	64,989.97	1,275.55
23 52 23 00-0212 EA 2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	68,777.32	1,275.55
23 52 23 00-0213 EA 2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	71,928.14	1,355.28
23 52 23 00-0214 EA 2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	76,636.34	1,355.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0215 EA 3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	80,643.84	1,434.99
23 52 23 00-0216 EA 3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	86,714.94	1,434.99
23 52 23 00-0217 EA 3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	90,462.03	1,514.72
23 52 23 00-0218 EA 3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	93,405.18	1,514.72
23 52 23 00-0219 EA 4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	99,478.11	1,594.44
23 52 23 00-0220 EA 4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	103,989.96	1,594.44
23 52 23 00-0221 EA 4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	110,692.90	1,674.16
23 52 23 00-0222 EA 4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	114,333.25	1,674.16
23 52 23 00-0223 EA 4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	118,909.88	1,753.89
23 52 23 00-0224 EA 5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	122,330.78	1,753.89
23 52 23 00-0225 EA 5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	126,186.03	1,833.60

23 52 33 Water-Tube Boilers (23 52)

23 52 33 13 Finned Water-Tube Boilers (23 52 33)

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)

23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,066.78	444.76
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,677.31	494.18
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	7,676.01	593.02
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,775.77	617.73
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	11,487.58	741.27
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	14,111.39	889.53
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	16,015.54	938.94
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	17,734.76	1,013.08
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	19,329.94	1,062.49
23 52 33 13-0011 EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	20,731.57	1,087.20

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)

23 52 33 13-0013 EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	21,040.23	889.53
23 52 33 13-0014 EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	26,258.70	1,013.08
23 52 33 13-0015 EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	27,982.21	1,087.20
23 52 33 13-0016 EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	39,530.85	1,235.45
23 52 33 13-0017 EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	41,481.13	1,383.71

23 52 33 16 Steel Water-Tube Boilers (23 52 33)

23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16)

Note: Compliant with BAAQMD.

23 52 33 16-0002 EA 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	43,022.21	1,198.02
23 52 33 16-0003 EA 1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	46,370.98	1,497.52
23 52 33 16-0004 EA 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	47,280.94	1,647.28
23 52 33 16-0005 EA 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	50,940.66	1,797.03
23 52 33 16-0006 EA 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	52,764.79	2,021.66
23 52 33 16-0007 EA 3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	58,253.84	2,246.28
23 52 33 16-0008 EA 4,300 MBH Input/3655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	60,694.69	2,321.16

23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)

Note: Compliant with BAAQMD.

23 52 33 16-0010 EA 1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	50,195.03	1,347.77
23 52 33 16-0011 EA 1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	52,782.51	1,572.39
23 52 33 16-0012 EA 2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	54,304.00	1,722.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0013 EA 2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	60,712.40	1,871.91
23 52 33 16-0014 EA 3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	62,997.24	2,021.66
23 52 33 16-0015 EA 3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	67,417.18	2,246.28
23 52 33 16-0016 EA 4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	71,385.86	2,396.03
23 52 33 16-0017 EA 5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	118,570.12	2,545.78
23 52 33 16-0018 EA 6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	128,338.73	2,695.54
23 52 33 16-0019 EA 7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	135,052.89	2,845.30
23 52 33 16-0020 EA 8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	138,559.73	2,995.05

23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)

Note: Compliant with BAAQMD.

23 52 33 16-0022 EA 1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	54,012.82	1,347.77
23 52 33 16-0023 EA 1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	57,364.71	1,572.39
23 52 33 16-0024 EA 2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	59,496.67	1,722.16
23 52 33 16-0025 EA 2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	66,057.95	1,871.91
23 52 33 16-0026 EA 3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	68,342.79	2,021.66
23 52 33 16-0027 EA 3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	71,999.38	2,246.28
23 52 33 16-0028 EA 4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	76,117.74	2,396.03
23 52 33 16-0029 EA 5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	122,999.45	2,545.78
23 52 33 16-0030 EA 6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	133,532.47	2,695.54
23 52 33 16-0031 EA 7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	137,802.64	2,845.30
23 52 33 16-0032 EA 8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	143,753.47	2,995.05
23 52 33 16-0033 EA 9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	159,783.86	3,144.80
23 52 33 16-0034 EA 10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	230,567.64	3,294.55
23 52 33 16-0035 EA 12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	242,245.68	3,444.30

23 52 36 Fire-Box Boiler (23 52)
23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002 EA 40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	38,292.93	1,913.33
23 52 36 00-0003 EA 46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	40,087.04	2,072.77
23 52 36 00-0004 EA 53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	42,015.23	2,232.21
23 52 36 00-0005 EA 61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	45,418.65	2,391.66
23 52 36 00-0006 EA 69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	47,480.93	2,551.10
23 52 36 00-0007 EA 80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	49,509.80	2,710.55
23 52 36 00-0008 EA 100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	54,965.07	2,869.99
23 52 36 00-0009 EA 127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	63,508.62	3,188.88
23 52 36 00-0010 EA 151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	72,193.04	3,507.76
23 52 36 00-0011 EA 183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	79,213.62	3,866.52
23 52 36 00-0012 EA 220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	86,234.30	4,225.27
23 52 36 00-0013 EA 257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,022.16	4,942.76
23 52 36 00-0014 EA 294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	110,662.55	5,660.26
23 52 36 00-0015 EA 368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	130,772.31	6,377.76
23 52 36 00-0016 EA 441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	151,142.16	7,174.98
23 52 36 00-0017 EA 514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	170,912.17	7,772.89

23 52 39 Fire-Tube Boilers (23 52)
23 52 39 13 Scotch Marine Boilers (23 52 39)
23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0002				15 PSI Gas Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0001)</small>		
23 52 39 13-0003	EA			30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	30,686.00	876.94
23 52 39 13-0004	EA			40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	33,048.52	956.66
23 52 39 13-0005	EA			50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	35,892.57	1,036.39
23 52 39 13-0006	EA			60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	37,667.09	1,195.83
23 52 39 13-0007	EA			70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,502.33	1,275.55
23 52 39 13-0008	EA			80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	41,379.43	1,355.28
23 52 39 13-0009	EA			90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,654.00	1,395.14
23 52 39 13-0010	EA			100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	44,972.53	1,434.99
23 52 39 13-0011	EA			125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,805.43	1,594.44
23 52 39 13-0012	EA			150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	57,651.08	1,753.89
23 52 39 13-0013	EA			175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,246.49	1,933.26
23 52 39 13-0014	EA			200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,840.27	2,112.63
23 52 39 13-0015	EA			250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,969.57	2,471.38
23 52 39 13-0016	EA			300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,486.58	2,830.13
23 52 39 13-0017	EA			350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,982.12	3,188.88
23 52 39 13-0018	EA			400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,699.69	3,547.63
23 52 39 13-0019	EA			500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,286.05	3,906.37
23 52 39 13-0020	EA			600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,011.89	4,265.12
23 52 39 13-0021	EA			700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	180,763.97	4,623.88
23 52 39 13-0022	EA			800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,675.02	4,982.63
23 52 39 13-0023	EA			900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	221,727.85	5,341.38
23 52 39 13-0024	EA			1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	241,033.80	5,700.12
23 52 39 13-0025				15 PSI Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0001)</small>		
23 52 39 13-0026	EA			30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	28,534.54	876.94
23 52 39 13-0027	EA			40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	30,735.12	956.66
23 52 39 13-0028	EA			50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	33,378.01	1,036.39
23 52 39 13-0029	EA			60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	36,464.13	1,195.83
23 52 39 13-0030	EA			70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	38,083.44	1,275.55
23 52 39 13-0031	EA			80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,699.03	1,355.28
23 52 39 13-0032	EA			90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	41,160.01	1,395.14
23 52 39 13-0033	EA			100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	44,016.33	1,434.99
23 52 39 13-0034	EA			125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,851.02	1,594.44
23 52 39 13-0035	EA			150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	57,700.70	1,753.89
23 52 39 13-0036	EA			175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,301.48	1,933.26
23 52 39 13-0037	EA			200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,900.62	2,112.63
23 52 39 13-0038	EA			250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,032.60	2,471.38
23 52 39 13-0039	EA			300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,564.36	2,830.13
23 52 39 13-0040	EA			350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,065.26	3,188.88
23 52 39 13-0041	EA			400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,798.93	3,547.63
23 52 39 13-0042	EA			500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,406.75	3,906.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	159,154.05	4,265.12
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	180,926.24	4,623.88
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	201,857.41	4,982.63
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	221,927.67	5,341.38
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	241,252.40	5,700.12
23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0049 EA 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	31,627.65	876.94
23 52 39 13-0050 EA 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	34,061.05	956.66
23 52 39 13-0051 EA 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	36,990.93	1,036.39
23 52 39 13-0052 EA 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	39,032.33	1,195.83
23 52 39 13-0053 EA 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	40,757.59	1,275.55
23 52 39 13-0054 EA 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	42,479.13	1,355.28
23 52 39 13-0055 EA 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	44,044.72	1,395.14
23 52 39 13-0056 EA 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	45,610.89	1,434.99
23 52 39 13-0057 EA 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	52,704.42	1,594.44
23 52 39 13-0058 EA 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	59,812.93	1,753.89
23 52 39 13-0059 EA 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	65,617.56	1,933.26
23 52 39 13-0060 EA 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	71,419.21	2,112.63
23 52 39 13-0061 EA 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,663.84	2,471.38
23 52 39 13-0062 EA 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	91,783.00	2,830.13
23 52 39 13-0063 EA 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	99,536.03	3,188.88
23 52 39 13-0064 EA 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,908.06	3,547.63
23 52 39 13-0065 EA 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	141,439.90	3,906.37
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	165,073.66	4,265.12
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	187,694.77	4,623.88
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	209,437.31	4,982.63
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	230,285.41	5,341.38
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	250,353.10	5,700.12
23 52 39 13-0071 150 PSI Steam Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072 150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	41,815.29	956.66
23 52 39 13-0074 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	45,415.72	1,036.39
23 52 39 13-0075 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	47,532.22	1,195.83
23 52 39 13-0076 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	49,822.09	1,275.55
23 52 39 13-0077 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	52,167.23	1,355.28
23 52 39 13-0078 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	53,777.08	1,395.14
23 52 39 13-0079 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	56,743.36	1,434.99
23 52 39 13-0080 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	64,135.96	1,594.44
23 52 39 13-0081 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	72,840.38	1,753.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0082 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,900.27	1,933.26
23 52 39 13-0083 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,958.53	2,112.63
23 52 39 13-0084 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,895.17	2,471.38
23 52 39 13-0085 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,637.99	2,830.13
23 52 39 13-0086 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,935.34	3,188.88
23 52 39 13-0087 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,256.19	3,547.63
23 52 39 13-0088 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,491.73	3,906.37
23 52 39 13-0089 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,590.48	4,265.12
23 52 39 13-0090 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	229,445.90	4,623.88
23 52 39 13-0091 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	256,198.78	4,982.63
23 52 39 13-0092 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	281,839.98	5,341.38
23 52 39 13-0093 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	306,488.87	5,700.12
23 52 39 13-0094 150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	38,807.20	956.66
23 52 39 13-0096 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,147.46	1,036.39
23 52 39 13-0097 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,967.16	1,195.83
23 52 39 13-0098 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	47,978.08	1,275.55
23 52 39 13-0099 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	49,983.92	1,355.28
23 52 39 13-0100 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	51,833.83	1,395.14
23 52 39 13-0101 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	55,498.82	1,434.99
23 52 39 13-0102 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	64,193.63	1,594.44
23 52 39 13-0103 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,906.09	1,753.89
23 52 39 13-0104 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,972.69	1,933.26
23 52 39 13-0105 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,037.66	2,112.63
23 52 39 13-0106 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,976.98	2,471.38
23 52 39 13-0107 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,738.57	2,830.13
23 52 39 13-0108 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,043.97	3,188.88
23 52 39 13-0109 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,384.94	3,547.63
23 52 39 13-0110 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,648.64	3,906.37
23 52 39 13-0111 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,775.55	4,265.12
23 52 39 13-0112 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	229,656.45	4,623.88
23 52 39 13-0113 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	256,434.82	4,982.63
23 52 39 13-0114 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	282,100.15	5,341.38
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	306,773.18	5,700.12
23 52 39 13-0116 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	43,130.91	956.66
23 52 39 13-0118 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	46,843.99	1,036.39
23 52 39 13-0119 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	49,306.50	1,195.83
23 52 39 13-0120 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	51,454.21	1,275.55
23 52 39 13-0121 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	53,596.85	1,355.28
23 52 39 13-0122 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	55,584.89	1,395.14

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0123 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	57,572.16	1,434.99
23 52 39 13-0124 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,603.58	1,594.44
23 52 39 13-0125 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,651.32	1,753.89
23 52 39 13-0126 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,982.12	1,933.26
23 52 39 13-0127 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,312.62	2,112.63
23 52 39 13-0128 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,398.12	2,471.38
23 52 39 13-0129 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,922.80	2,830.13
23 52 39 13-0130 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,555.43	3,188.88
23 52 39 13-0131 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	147,726.54	3,547.63
23 52 39 13-0132 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,193.20	3,906.37
23 52 39 13-0133 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,470.78	4,265.12
23 52 39 13-0134 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	238,455.41	4,623.88
23 52 39 13-0135 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	266,289.22	4,982.63
23 52 39 13-0136 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	292,964.40	5,341.38
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	318,603.02	5,700.12
23 52 39 13-0138 125 PSI Water Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139 125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0140 EA 40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	36,206.81	956.66
23 52 39 13-0141 EA 50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	40,578.37	1,036.39
23 52 39 13-0142 EA 60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	43,714.11	1,195.83
23 52 39 13-0143 EA 70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	46,976.28	1,275.55
23 52 39 13-0144 EA 80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	50,303.10	1,355.28
23 52 39 13-0145 EA 90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	52,916.10	1,395.14
23 52 39 13-0146 EA 100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	56,876.13	1,434.99
23 52 39 13-0147 EA 125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	61,098.37	1,594.44
23 52 39 13-0148 EA 150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	66,635.11	1,753.89
23 52 39 13-0149 EA 175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	70,979.28	1,933.26
23 52 39 13-0150 EA 200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,649.46	2,112.63
23 52 39 13-0151 EA 250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,033.26	2,471.38
23 52 39 13-0152 EA 300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,592.73	2,830.13
23 52 39 13-0153 EA 350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,866.10	3,188.88
23 52 39 13-0154 EA 400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,789.70	3,547.63
23 52 39 13-0155 EA 500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,630.46	3,906.37
23 52 39 13-0156 EA 600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,881.59	4,265.12
23 52 39 13-0157 EA 700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	200,051.67	4,623.88
23 52 39 13-0158 EA 800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	223,277.46	4,982.63
23 52 39 13-0159 EA 900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	245,544.45	5,341.38
23 52 39 13-0160 EA 1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,969.33	5,700.12
23 52 39 13-0161 125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0138)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0162 EA 40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	33,642.63	956.66
23 52 39 13-0163 EA 50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	37,692.32	1,036.39
23 52 39 13-0164 EA 60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	42,288.52	1,195.83
23 52 39 13-0165 EA 70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	45,250.28	1,275.55
23 52 39 13-0166 EA 80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	48,206.97	1,355.28
23 52 39 13-0167 EA 90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	51,007.71	1,395.14
23 52 39 13-0168 EA 100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	55,628.91	1,434.99
23 52 39 13-0169 EA 125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	61,153.35	1,594.44
23 52 39 13-0170 EA 150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	66,694.12	1,753.89
23 52 39 13-0171 EA 175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	71,042.31	1,933.26
23 52 39 13-0172 EA 200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,715.17	2,112.63
23 52 39 13-0173 EA 250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,112.39	2,471.38
23 52 39 13-0174 EA 300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,685.26	2,830.13
23 52 39 13-0175 EA 350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,965.34	3,188.88
23 52 39 13-0176 EA 400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,901.02	3,547.63
23 52 39 13-0177 EA 500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,765.91	3,906.37
23 52 39 13-0178 EA 600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	176,041.18	4,265.12
23 52 39 13-0179 EA 700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	200,234.06	4,623.88
23 52 39 13-0180 EA 800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	223,481.31	4,982.63
23 52 39 13-0181 EA 900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	245,768.41	5,341.38
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	267,213.41	5,700.12
23 52 39 13-0183 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0184 EA 40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	37,327.97	956.66
23 52 39 13-0185 EA 50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	41,839.01	1,036.39
23 52 39 13-0186 EA 60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	45,330.14	1,195.83
23 52 39 13-0187 EA 70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	48,505.13	1,275.55
23 52 39 13-0188 EA 80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	51,676.39	1,355.28
23 52 39 13-0189 EA 90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	54,691.71	1,395.14
23 52 39 13-0190 EA 100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	57,707.61	1,434.99
23 52 39 13-0191 EA 125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	63,435.90	1,594.44
23 52 39 13-0192 EA 150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	69,180.51	1,753.89
23 52 39 13-0193 EA 175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,680.25	1,933.26
23 52 39 13-0194 EA 200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,434.92	2,112.63
23 52 39 13-0195 EA 250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,414.17	2,471.38
23 52 39 13-0196 EA 300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,534.22	2,830.13
23 52 39 13-0197 EA 350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,098.62	3,188.88
23 52 39 13-0198 EA 400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	129,514.40	3,547.63
23 52 39 13-0199 EA 500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	156,398.53	3,906.37
23 52 39 13-0200 EA 600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,664.87	4,265.12
23 52 39 13-0201 EA 700 HP, 23,433 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	207,807.25	4,623.88
23 52 39 13-0202 EA 800 HP, 26,780 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	231,962.42	4,982.63

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 39 13-0203	EA		900 HP, 30,128 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	255,119.90	5,341.38
23 52 39 13-0204	EA		1,000 HP, 33,476 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	277,395.04	5,700.12

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,867.41	936.08
23 53 16 00-0004	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,254.88	1,102.80
23 53 16 00-0005	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,644.73	1,141.44
23 53 16 00-0006	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,825.04	1,183.32
23 53 16 00-0007	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,163.96	1,264.65
23 53 16 00-0008	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,860.59	1,370.37
23 53 16 00-0009	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	11,125.68	1,463.90
23 53 16 00-0010	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,754.42	1,667.22
23 53 16 00-0011	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,035.59	1,789.22
23 53 16 00-0012	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	15,121.93	1,911.21

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA		10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,755.85	798.07
23 53 16 00-0015	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,038.87	936.08
23 53 16 00-0016	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,832.84	1,102.80
23 53 16 00-0017	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,465.53	1,141.44
23 53 16 00-0018	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,613.29	1,183.32
23 53 16 00-0019	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,397.13	1,264.65
23 53 16 00-0020	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,530.35	1,370.37
23 53 16 00-0021	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,879.20	1,463.90
23 53 16 00-0022	EA		183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,268.27	1,567.67
23 53 16 00-0023	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,430.37	1,667.22
23 53 16 00-0024	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	17,576.45	1,789.22
23 53 16 00-0025	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,962.06	1,911.21

23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA		1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	8,440.70	1,102.80
23 53 16 00-0028	EA		2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	11,007.62	1,263.43
23 53 16 00-0029	EA		4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,532.67	1,446.01
23 53 16 00-0030	EA		6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	17,484.17	1,668.04
23 53 16 00-0031	EA		8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,555.65	1,789.22
23 53 16 00-0032	EA		11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	19,574.71	1,911.21
23 53 16 00-0033	EA		13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	21,790.83	2,195.94
23 53 16 00-0034	EA		17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	28,190.00	2,521.32
23 53 16 00-0035	EA		20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	36,608.42	2,913.33
23 53 16 00-0036	EA		27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	46,355.01	3,344.20
23 53 16 00-0037	EA		34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	59,423.43	3,847.62

23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)

23 53 16 00-0039	EA		7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump	16,363.03	650.63
			Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040	EA		9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump	16,746.69	691.29
			Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041	EA		12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump	17,185.32	731.95
			Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042	EA		18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump	18,860.78	772.62
			Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043	EA		28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump	22,460.18	813.28
			Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044	EA		42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump	23,640.91	853.95
			Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		

23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13 Electric-Resistance Furnaces <small>(23 54)</small>						
23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>						
			EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,052.63	77.92
			EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,294.36	97.40
			EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,453.63	116.86
23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>						
			EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	938.30	77.92
			EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,049.81	87.66
			EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,316.34	97.40
			EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,355.30	107.13
			EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,418.45	116.86
23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>						
			EA	5 KW Heating Coil For Air Handler/Electric Furnace 138.42		20.59
			EA	7 KW Heating Coil For Air Handler/Electric Furnace 157.64		22.65
			EA	10 KW Heating Coil For Air Handler/Electric Furnace 187.88		24.71
			EA	15 KW Heating Coil For Air Handler/Electric Furnace 241.19		26.76
			EA	20 KW Heating Coil For Air Handler/Electric Furnace 273.61		28.82
23 54 16 Fuel-Fired Furnaces <small>(23 54)</small>						
23 54 16 13 Gas-Fired Furnaces <small>(23 54 16)</small>						
23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>						
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.						
23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>						
			EA	46 MBH Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,257.75	68.18
			EA	69 MBH Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,330.78	77.92
			EA	69 MBH Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,413.71	87.66
			EA	75 MBH Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,461.55	87.66
			EA	92 MBH Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,548.32	97.40
			EA	92 MBH Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,641.15	107.13
			EA	115 MBH Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,746.07	116.86
23 54 16 13-0010 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>						
			EA	46 MBH Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,631.55	68.18
			EA	69 MBH Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,822.69	87.66
			EA	75 MBH Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,888.93	87.66
			EA	92 MBH Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,128.18	107.13
			EA	115 MBH Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,224.31	116.86
23 54 16 13-0016 Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>						
			EA	46 MBH Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,270.94	68.18
			EA	69 MBH Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,338.48	77.92
			EA	69 MBH Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,444.49	87.66
			EA	75 MBH Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,493.72	87.66
			EA	92 MBH Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,542.82	97.40
			EA	92 MBH Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,635.65	107.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0023 EA 115 MBH Down Flow Multi-Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,731.78	116.86
23 54 16 13-0024 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0025 EA 69 MBH Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,765.52	87.66
23 54 16 13-0026 EA 75 MBH Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,829.19	87.66
23 54 16 13-0027 EA 92 MBH Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,161.16	107.13
23 54 16 13-0028 EA 115 MBH Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,271.58	116.86
23 54 16 13-0029 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0030 EA 45 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,035.67	68.18
23 54 16 13-0031 EA 70 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,110.90	77.92
23 54 16 13-0032 EA 70 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,174.04	87.66
23 54 16 13-0033 EA 75 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,194.63	87.66
23 54 16 13-0034 EA 90 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,258.08	97.40
23 54 16 13-0035 EA 90 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,327.82	107.13
23 54 16 13-0036 EA 115 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,397.56	116.86
23 54 16 13-0037 EA 140 MBH Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,539.85	126.60
23 54 16 13-0038 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0039 EA 45 MBH Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	997.19	68.18
23 54 16 13-0040 EA 70 MBH Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,068.03	77.92
23 54 16 13-0041 EA 75 MBH Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,102.06	77.92
23 54 16 13-0042 EA 90 MBH Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,236.09	97.40
23 54 16 13-0043 EA 115 MBH Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,397.56	116.86
23 54 16 13-0044 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0045 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,359.51	58.44
23 54 16 13-0046 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,545.47	73.08
23 54 16 13-0047 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,179.21	58.44
23 54 16 13-0048 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,300.94	63.34
23 54 16 13-0049 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,338.01	68.18
23 54 16 13-0050 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,369.57	73.08
23 54 16 13-0051 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,418.05	73.08
23 54 16 13-0052 Indoor Duct Furnaces (23 54 16 13)		
Note: Factory assembled. Includes burner, controls, stainless steel heat exchanger, gas fired and electric ignition.		
23 54 16 13-0053 EA 100 MBH Duct Furnace	2,197.08	151.93
23 54 16 13-0054 EA 150 MBH Duct Furnace	2,682.25	186.99
23 54 16 13-0055 EA 200 MBH Duct Furnace	3,529.76	268.80
23 54 16 13-0056 EA 250 MBH Duct Furnace	3,825.29	303.86
23 54 16 13-0057 EA 300 MBH Duct Furnace	4,140.30	350.60
23 54 16 13-0058 EA 350 MBH Duct Furnace	4,588.94	420.72
23 54 16 13-0059 EA 400 MBH Duct Furnace	5,380.85	560.97
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16)		
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 70 MBH Up Flow Single Speed, One Stage 81% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	1,799.13	77.92
23 54 16 16-0004 EA 119 MBH Up Flow Single Speed, One Stage 81% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	1,923.69	107.13
23 54 16 16-0005 EA 154 MBH Up Flow Single Speed, One Stage 81% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	2,183.00	126.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace ^(23 54 16 16-0001)		
23 54 16 16-0007 EA 119 MBH Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace.....	2,034.73	107.13
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008 EA 154 MBH Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace.....	2,209.39	126.60
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace ^(23 54 16 16-0001)		
23 54 16 16-0010 EA 119 MBH Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace.....	2,106.19	107.13
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011 EA 154 MBH Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace.....	2,313.83	126.60
Note: Blower cooling capacity up to 5 tons.		
23 54 19 Furnace Accessories^(23 54)		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit	118.59	19.48
23 54 19 00-0002 EA 1" Furnace External Filter Rack.....	50.25	
23 54 19 00-0003 EA Remove And Reinstall Forced Air Furnace.....	360.71	
Note: Includes storage and cleaning. Excludes ductwork.		
23 55 Fuel-Fired Heaters^(23 50)		
23 55 23 Gas-Fired Radiant Heaters^(23 55)		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters^(23 55 23)		
23 55 23 13-0001 Infrared Heaters-Radiant Energy ^(23 55 23 13)		
Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater ^(23 55 23 13-0001)		
Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	679.57	81.33
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	751.23	89.46
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	803.19	89.46
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,007.12	107.36
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,015.88	107.36
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater ^(23 55 23 13-0001)		
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	755.56	85.70
For Stainless Steel Housing, Add 123.97		
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	808.96	85.70
For Stainless Steel Housing, Add 137.32		
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	869.99	85.70
For Stainless Steel Housing, Add 152.57		
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	943.36	85.70
For Stainless Steel Housing, Add 170.92		
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,030.60	93.50
For Stainless Steel Housing, Add 190.45		
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,101.14	101.28
For Stainless Steel Housing, Add 205.10		
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,776.93	109.08
For Stainless Steel Housing, Add 366.25		
23 55 23 13-0016 Gas Fired Tubular Infrared Heater ^(23 55 23 13-0001)		
Note: Includes controls and supports.		
23 55 23 13-0017 "U" Package ^(23 55 23 13-0016)		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater	55.41	4.07
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater.....	64.01	4.87
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater.....	77.99	5.69
23 55 23 13-0021 "S" Straight Package ^(23 55 23 13-0016)		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater	45.14	3.25
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater.....	57.26	4.07
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater.....	69.38	4.87
23 55 33 Fuel-Fired Unit Heaters^(23 55)		
23 55 33 00-0001 Gas Fired Unit Heaters ^(23 55 33)		
23 55 33 00-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt ^(23 55 33 00-0001)		
23 55 33 00-0003 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,221.85	140.39
23 55 33 00-0004 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,342.67	168.47
23 55 33 00-0005 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,362.38	168.47
23 55 33 00-0006 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,492.71	196.55

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 00-0007	EA		72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,645.08	224.63
23 55 33 00-0008	EA		81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,764.64	238.67
23 55 33 00-0009	EA		101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,814.35	238.67
23 55 33 00-0010	EA		121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,771.75	238.67
23 55 33 00-0011	EA		141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,095.64	252.71
23 55 33 00-0012	EA		162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,289.69	252.71
23 55 33 00-0013	EA		202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,450.61	252.71
23 55 33 00-0014	EA		243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,921.79	280.79
23 55 33 00-0015	EA		283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,286.23	280.79
23 55 33 00-0016	EA		324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,528.49	308.87
23 55 33 00-0017			Oil Fired Unit Heater <small>(23 55 33)</small>		
23 55 33 00-0018			Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt <small>(23 55 33 00-0017)</small>		
23 55 33 00-0019	EA		97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,820.67	374.38
23 55 33 00-0020	EA		142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,174.70	411.81
23 55 33 00-0021	EA		188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,560.62	449.25
23 55 33 00-0022			Removal And Reinstallation Of Unit Heaters <small>(23 55 33)</small>		
			Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0023	EA		Remove And Reinstall Up To 101.3 MBH Output Gas or Oil Unit Heater	467.64	
23 55 33 00-0024	EA		Remove And Reinstall >101.3 MBH Output Gas or Oil Unit Heater.....	630.29	
23 57 Heat Exchangers for HVAC <small>(23 50)</small>					
23 57 13 Steam-To-Steam Heat Exchangers <small>(23 57)</small>					
23 57 13 00-0001			Steam Generator Heat Exchanger <small>(23 57 13)</small>		
			Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002	EA		75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	11,599.63	1,301.25
23 57 13 00-0003	EA		300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	15,468.22	1,382.57
23 57 13 00-0004	EA		525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	20,778.86	1,705.03
23 57 16 Steam-To-Water Heat Exchangers <small>(23 57)</small>					
23 57 16 00-0001			Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI <small>(23 57 16)</small>		
			Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002	EA		8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,342.62	203.32
			For Bronze Head And Tube Sheet, Add	482.18	
			For Copper Nickel Tubes, Add	107.15	
			For Double Wall Tube Bundles, Add	160.73	
23 57 16 00-0003	EA		10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,947.90	203.32
			For Bronze Head And Tube Sheet, Add	730.17	
			For Copper Nickel Tubes, Add	162.26	
			For Double Wall Tube Bundles, Add	243.39	
23 57 16 00-0004	EA		40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,917.06	284.65
			For Bronze Head And Tube Sheet, Add	1,129.69	
			For Copper Nickel Tubes, Add	251.04	
			For Double Wall Tube Bundles, Add	376.56	
23 57 16 00-0005	EA		64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,640.14	284.65
			For Bronze Head And Tube Sheet, Add	1,722.09	
			For Copper Nickel Tubes, Add	382.69	
			For Double Wall Tube Bundles, Add	574.03	
23 57 16 00-0006	EA		96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,098.67	335.07
			For Bronze Head And Tube Sheet, Add	2,286.93	
			For Copper Nickel Tubes, Add	508.21	
			For Double Wall Tube Bundles, Add	762.31	
23 57 16 00-0007	EA		120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,016.10	422.69
			For Bronze Head And Tube Sheet, Add	3,003.32	
			For Copper Nickel Tubes, Add	667.40	
			For Double Wall Tube Bundles, Add	1,001.11	
23 57 16 00-0008	EA		168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,918.85	634.43
			For Bronze Head And Tube Sheet, Add	3,678.38	
			For Copper Nickel Tubes, Add	817.42	
			For Double Wall Tube Bundles, Add	1,226.13	
23 57 16 00-0009	EA		240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	14,916.64	634.43
			For Bronze Head And Tube Sheet, Add	5,731.11	
			For Copper Nickel Tubes, Add	1,273.58	
			For Double Wall Tube Bundles, Add	1,910.37	
23 57 19 Liquid-To-Liquid Heat Exchangers <small>(23 57)</small>					
23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers <small>(23 57 19)</small>					
23 57 19 13-0001			Plate And Frame Heat Exchanger <small>(23 57 19 13)</small>		
23 57 19 13-0002	EA		8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,112.25	203.32
23 57 19 13-0003	EA		8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	2,777.85	203.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 13-0004 EA 11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	3,691.14	243.98
23 57 19 13-0005 EA 16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	4,979.87	264.32
23 57 19 13-0006 EA 16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	5,437.48	264.32
23 57 19 13-0007 EA 24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	7,059.00	284.65
23 57 19 13-0008 EA 26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	7,433.41	284.65
23 57 19 13-0009 EA 24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	9,178.67	325.31
23 57 19 13-0010 EA 24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	11,215.15	365.97
23 57 19 13-0011 EA 26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	11,631.16	365.97
23 57 19 13-0012 EA 24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	14,392.41	428.24
23 57 19 13-0013 EA 26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	17,349.94	470.98
23 57 19 13-0014 EA 40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	20,016.17	513.73

23 57 19 19 Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)		
<i>Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.</i>		
23 57 19 19-0002 EA 7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,587.54	203.32
<i>For Copper Nickel Tubes, Add</i>	<i>131.64</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>197.47</i>	
23 57 19 19-0003 EA 16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,192.82	203.32
<i>For Copper Nickel Tubes, Add</i>	<i>186.75</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>280.13</i>	
23 57 19 19-0004 EA 34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,253.82	284.65
<i>For Copper Nickel Tubes, Add</i>	<i>284.72</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>427.08</i>	
23 57 19 19-0005 EA 55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,644.57	284.65
<i>For Copper Nickel Tubes, Add</i>	<i>410.24</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>615.36</i>	
23 57 19 19-0006 EA 74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,758.65	325.31
<i>For Copper Nickel Tubes, Add</i>	<i>505.15</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>757.72</i>	
23 57 19 19-0007 EA 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,652.58	325.31
<i>For Copper Nickel Tubes, Add</i>	<i>679.65</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>1,019.48</i>	
23 57 19 19-0008 EA 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,475.99	317.22
<i>For Copper Nickel Tubes, Add</i>	<i>844.97</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>1,267.46</i>	
23 57 19 19-0009 EA 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,777.72	317.22
<i>For Copper Nickel Tubes, Add</i>	<i>1,053.15</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>1,579.73</i>	
23 57 19 19-0010 EA 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,056.61	317.22
<i>For Copper Nickel Tubes, Add</i>	<i>1,347.05</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>2,020.58</i>	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)		
23 57 19 23-0002 EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	1,798.92	162.65
<i>For Copper Nickel Tubes, Add</i>	<i>147.36</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>221.04</i>	
23 57 19 23-0003 EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	4,709.80	271.07
<i>For Copper Nickel Tubes, Add</i>	<i>416.76</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>625.14</i>	
23 57 19 23-0004 EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	6,340.03	353.61
<i>For Copper Nickel Tubes, Add</i>	<i>563.41</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>845.11</i>	
23 57 19 23-0005 EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	6,825.99	428.03
<i>For Copper Nickel Tubes, Add</i>	<i>597.17</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>895.76</i>	
23 57 19 23-0006 EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	8,228.91	503.82
<i>For Copper Nickel Tubes, Add</i>	<i>720.50</i>	
<i>For Double Wall Tube Bundles, Add</i>	<i>1,080.76</i>	

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0129 for terminations, 26 28 16 00-0001 for disconnect.

23 61 Refrigerant Compressors (23 60)

23 61 13 Centrifugal Refrigerant Compressors (23 61)

23 61 13 00-0001 Turbocor Magnetic-Bearing Centrifugal Compressor (23 61 13)		
<i>Note: Includes compressor commissioning. May be used in parallel for larger capacities. Excludes piping, refrigerant and electric expansion valve.</i>		
23 61 13 00-0002 EA 60 Ton R-134a Water-Cooled Centrifugal Compressor.....	21,018.03	1,197.65
<i>Note: Magnetic bearings.</i>		
<i>For >1 Compressor Installation, Deduct</i>	<i>-1,169.59</i>	
23 61 13 00-0003 EA 70 Ton R-134a Water-Cooled Centrifugal Compressor.....	22,305.13	1,255.71
<i>Note: Magnetic bearings.</i>		
<i>For >1 Compressor Installation, Deduct</i>	<i>-1,191.18</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 13 00-0004	EA	80 Ton R-134a Water-Cooled Centrifugal Compressor Note: Magnetic bearings.	23,806.75	1,321.04
		<i>For >1 Compressor Installation, Deduct</i>	-1,216.37	
23 61 13 00-0005	EA	90 Ton R-134a Water-Cooled Centrifugal Compressor Note: Magnetic bearings.	25,601.12	1,386.37
		<i>For >1 Compressor Installation, Deduct</i>	-1,239.76	
23 61 13 00-0006	EA	60 Ton R-134a Air-Cooled Centrifugal Compressor Note: Magnetic bearings.	21,618.03	1,197.65
		<i>For >1 Compressor Installation, Deduct</i>	-1,169.59	
23 61 13 00-0007	EA	70 Ton R-134a Air-Cooled Centrifugal Compressor Note: Magnetic bearings.	22,905.13	1,255.71
		<i>For >1 Compressor Installation, Deduct</i>	-1,191.18	
23 61 13 00-0008	EA	80 Ton R-134a Air-Cooled Centrifugal Compressor Note: Magnetic bearings.	24,606.75	1,321.04
		<i>For >1 Compressor Installation, Deduct</i>	-1,216.37	
23 61 13 00-0009	EA	90 Ton R-134a Air-Cooled Centrifugal Compressor Note: Magnetic bearings.	26,201.12	1,386.37
		<i>For >1 Compressor Installation, Deduct</i>	-1,239.76	
23 61 13 00-0010		Controller for Magnetic-Bearing Centrifugal Compressor ^(23 61 13)		
23 61 13 00-0011	EA	Up to 2 Compressor Controller Note: For magnetic bearing frictionless centrifugal compressor.	4,703.40	362.92
23 61 13 00-0012	EA	3 To 6 Compressor Controller Note: For magnetic bearing frictionless centrifugal compressor.	6,303.40	362.92
23 61 16		Reciprocating Refrigerant Compressors ^(23 61)		
23 61 16 00-0001		Reciprocating Open Type Refrigerant Compressors ^(23 61 16) Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.		
23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	380.58 7.88 5.63 11.26	77.66
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	442.71 10.06 7.18 14.37	77.66
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	595.45 14.05 10.03 20.06	97.05
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	723.60 18.53 13.24 26.47	97.05
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	801.27 21.25 15.18 30.36	97.05
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	813.57 21.41 15.29 30.58	100.97
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	818.10 21.57 15.40 30.81	100.97
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	897.07 23.79 16.99 33.98	108.73
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	964.39 25.60 18.28 36.57	116.50
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	1,049.81 28.04 20.03 40.06	124.27
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	1,183.14 32.71 23.37 46.73	124.27
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	1,322.93 37.06 26.47 52.94	132.03
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	1,354.02 37.60 26.86 53.72	139.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0015 EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	1,377.30 38.15 27.25 54.50	143.65
23 61 16 00-0016 EA 5 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	2,261.77 39.64 28.32 56.63	751.98
23 61 16 00-0017 EA 7.5 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	3,285.79 69.84 49.89 99.77	859.37
23 61 16 00-0018 EA 10 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	4,309.90 100.04 71.46 142.91	966.83
23 61 16 00-0019 EA 12.5 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	5,590.62 140.63 100.45 200.90	1,047.33
23 61 16 00-0020 EA 15 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	6,871.57 181.23 129.45 258.90	1,127.97
23 61 16 00-0021 EA 20 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	8,245.88 217.47 155.34 310.68	1,353.56
23 61 16 00-0022 EA 25 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	9,843.85 268.08 191.49 382.97	1,454.82
23 61 16 00-0023 EA 30 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	11,370.88 317.15 226.53 453.07	1,538.15
23 61 16 00-0024 EA 50 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	14,773.72 425.88 304.20 608.41	1,735.36
23 61 16 00-0025 EA 60 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	17,301.80 511.97 365.69 731.38	1,780.87
23 61 16 00-0026 EA 70 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	21,469.44 655.41 468.15 936.30	1,826.30
23 61 16 00-0027 EA 75 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	22,516.00 690.88 493.49 986.98	1,849.10
23 61 16 00-0028 EA 80 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	23,519.34 724.82 517.73 1,035.45	1,871.82
23 61 16 00-0029 EA 90 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	25,398.44 788.25 563.03 1,126.07	1,917.26
23 61 16 00-0030 EA 100 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	27,107.35 845.61 604.00 1,208.01	1,962.84
23 61 16 00-0031 EA 110 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	29,093.00 896.94 640.67 1,281.34	2,205.03
23 61 16 00-0032 EA 120 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	30,461.46 942.20 673.00 1,346.00	2,254.38
23 61 16 00-0033 EA 130 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	31,628.52 981.44 701.03 1,402.05	2,283.08
23 61 16 00-0034 EA 140 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	32,687.03 1,014.60 724.71 1,449.43	2,353.71
23 61 16 00-0035 EA 150 Ton Refrigerant Compressor, Reciprocating Open Type..... <i>For Direct Drive Couplings, Add</i> <i>For Muffler, Add</i> <i>For Crankcase Heater, Add</i>	33,541.58 1,041.78 744.13 1,488.26	2,403.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 61 Refrigerant Compressors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0036	EA		175 Ton Refrigerant Compressor, Reciprocating Open Type	34,420.33	2,468.91
			<i>For Direct Drive Couplings, Add</i>	1,068.97	
			<i>For Muffler, Add</i>	763.55	
			<i>For Crankcase Heater, Add</i>	1,527.10	
23 61 16 00-0037	EA		185 Ton Refrigerant Compressor, Reciprocating Open Type	35,239.41	2,495.46
			<i>For Direct Drive Couplings, Add</i>	1,096.15	
			<i>For Muffler, Add</i>	782.97	
			<i>For Crankcase Heater, Add</i>	1,565.93	
23 61 16 00-0038	EA		200 Ton Refrigerant Compressor, Reciprocating Open Type	36,081.44	2,536.75
			<i>For Direct Drive Couplings, Add</i>	1,123.34	
			<i>For Muffler, Add</i>	802.38	
			<i>For Crankcase Heater, Add</i>	1,604.77	
23 61 16 00-0039	EA		225 Ton Refrigerant Compressor, Reciprocating Open Type	37,127.65	2,707.84
			<i>For Direct Drive Couplings, Add</i>	1,150.52	
			<i>For Muffler, Add</i>	821.80	
			<i>For Crankcase Heater, Add</i>	1,643.60	
23 61 16 00-0040	EA		250 Ton Refrigerant Compressor, Reciprocating Open Type	38,133.07	2,853.81
			<i>For Direct Drive Couplings, Add</i>	1,177.70	
			<i>For Muffler, Add</i>	841.22	
			<i>For Crankcase Heater, Add</i>	1,682.44	
23 61 16 00-0041			Reciprocating Hermetic Type Refrigerant Compressors <small>(23 61 16)</small>		
			Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.		
23 61 16 00-0042			Reciprocating Hermetic Type Refrigerant Compressors <5 Tons <small>(23 61 16 00-0041)</small>		
23 61 16 00-0043	EA		1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	618.22	77.66
			<i>For Muffler, Add</i>	20.83	
23 61 16 00-0044	EA		1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	637.91	77.66
			<i>For Muffler, Add</i>	21.72	
23 61 16 00-0045	EA		1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	696.43	97.05
			<i>For Muffler, Add</i>	22.60	
23 61 16 00-0046	EA		3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	716.13	97.05
			<i>For Muffler, Add</i>	23.49	
23 61 16 00-0047	EA		1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	725.97	97.05
			<i>For Muffler, Add</i>	23.93	
23 61 16 00-0048	EA		1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	749.50	100.97
			<i>For Muffler, Add</i>	24.64	
23 61 16 00-0049	EA		1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	771.17	100.97
			<i>For Muffler, Add</i>	25.62	
23 61 16 00-0050	EA		1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	828.07	108.73
			<i>For Muffler, Add</i>	27.48	
23 61 16 00-0051	EA		2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	883.01	116.50
			<i>For Muffler, Add</i>	29.25	
23 61 16 00-0052	EA		2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	957.62	124.27
			<i>For Muffler, Add</i>	31.91	
23 61 16 00-0053	EA		3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	997.01	124.27
			<i>For Muffler, Add</i>	33.68	
23 61 16 00-0054	EA		3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,071.62	132.03
			<i>For Muffler, Add</i>	36.34	
23 61 16 00-0055	EA		4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,264.44	139.80
			<i>For Muffler, Add</i>	44.32	
23 61 16 00-0056	EA		4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,380.52	143.65
			<i>For Muffler, Add</i>	49.19	
23 61 16 00-0057			Reciprocating Hermetic Type Refrigerant Compressors <small>(23 61 16 00-0041)</small>		
23 61 16 00-0058	EA		5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,788.46	386.73
			<i>For Muffler, Add</i>	54.35	
23 61 16 00-0059	EA		10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,313.94	483.42
			<i>For Muffler, Add</i>	116.46	
23 61 16 00-0060	EA		15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,456.49	588.52
			<i>For Muffler, Add</i>	205.78	
23 61 16 00-0061	EA		20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,924.94	676.78
			<i>For Muffler, Add</i>	265.89	
23 61 16 00-0062	EA		25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,649.54	751.98
			<i>For Muffler, Add</i>	293.42	
23 61 16 00-0063	EA		30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,485.43	845.98
			<i>For Muffler, Add</i>	324.68	
23 61 16 00-0064	EA		35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	10,930.25	966.83
			<i>For Muffler, Add</i>	426.54	
23 61 16 00-0065	EA		40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,960.27	966.83
			<i>For Muffler, Add</i>	562.89	
23 61 16 00-0066	EA		50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,218.89	1,127.97
			<i>For Muffler, Add</i>	698.64	
23 61 16 00-0067	EA		60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,363.74	1,208.54
			<i>For Muffler, Add</i>	789.71	
23 61 16 00-0068	EA		70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,455.68	1,266.54
			<i>For Muffler, Add</i>	834.94	
23 61 16 00-0069	EA		75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,038.68	1,329.10
			<i>For Muffler, Add</i>	856.94	
23 61 16 00-0070	EA		80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,624.52	1,334.26
23 61 16 00-0071	EA		90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,713.53	1,397.04
23 61 16 00-0072	EA		100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,811.44	1,454.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 61 19 Scroll Refrigerant Compressors (23 61)

23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)		
23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor..... 940.66 124.12
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor 986.61 132.10
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor 1,011.44 139.73
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor 1,031.42 143.72
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor 1,278.36 181.47
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor 2,422.85 272.19
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor 2,773.08 317.56
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor 3,108.05 362.92
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor 3,755.74 435.51
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor 4,424.71 489.95
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor 5,185.15 544.39
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor 7,301.20 725.85
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor 8,245.06 907.31
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor 8,834.09 1,088.77

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)		
23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type 24,688.01 1,849.10
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type 25,428.62 1,871.82
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type 27,032.79 1,917.26
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type 28,621.05 1,962.84
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type 30,926.29 2,205.03
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type 32,786.29 2,254.38
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type 34,599.39 2,283.08
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type 36,495.07 2,353.71
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type 38,353.22 2,403.06
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type 40,965.77 2,468.91
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type 42,796.08 2,495.46
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type 43,656.38 2,536.75
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type 48,959.77 2,707.84
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type 54,175.73 2,853.81

23 62 Packaged Compressor and Condenser Units (23 62)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)		
Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 5,608.09 335.34
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 13,305.76 335.34
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 23,940.45 335.34
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 28,519.26 383.24
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 34,071.90 479.06
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 37,833.14 582.85
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 38,892.99 686.85
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 41,759.04 781.15
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 44,500.02 818.61
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 51,198.42 968.46
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 57,921.95 1,115.92
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 61,193.40 1,123.30
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 69,262.96 1,199.52
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube..... 75,821.49 1,270.93

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)		
Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 5,317.04 335.34
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 11,649.19 335.34
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 18,581.21 335.34
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 20,126.43 383.24
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 21,744.23 479.06
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 25,916.73 582.85
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 29,422.22 686.85
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 37,861.25 777.56
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 42,473.78 818.61
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems 46,282.87 967.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 62 Packaged Compressor and Condenser Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0027 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	53,053.92	1,115.92
23 62 13 00-0028 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	56,170.96	1,123.30
23 62 13 00-0029 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	61,735.58	1,199.52
23 62 13 00-0030 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	70,597.53	1,270.93

23 62 13 00-0031

Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032 EA 15 Ton Packaged Chiller With Remote Air Cooled Condensers	34,763.71	6,134.53
<i>For Gas Fired Engine Driven, Add</i>	6,033.03	
23 62 13 00-0033 EA 20 Ton Packaged Chiller With Remote Air Cooled Condensers	39,336.68	6,466.12
<i>For Gas Fired Engine Driven, Add</i>	6,897.91	
23 62 13 00-0034 EA 25 Ton Packaged Chiller With Remote Air Cooled Condensers	45,750.01	7,036.59
<i>For Gas Fired Engine Driven, Add</i>	8,095.04	
23 62 13 00-0035 EA 30 Ton Packaged Chiller With Remote Air Cooled Condensers	51,226.26	7,476.42
<i>For Gas Fired Engine Driven, Add</i>	9,124.35	
23 62 13 00-0036 EA 40 Ton Packaged Chiller With Remote Air Cooled Condensers	64,242.76	8,249.83
<i>For Gas Fired Engine Driven, Add</i>	11,611.70	
23 62 13 00-0037 EA 50 Ton Packaged Chiller With Remote Air Cooled Condensers	70,983.51	8,544.44
<i>For Gas Fired Engine Driven, Add</i>	12,915.67	
23 62 13 00-0038 EA 60 Ton Packaged Chiller With Remote Air Cooled Condensers	77,156.33	9,201.71
<i>For Gas Fired Engine Driven, Add</i>	14,051.70	
23 62 13 00-0039 EA 70 Ton Packaged Chiller With Remote Air Cooled Condensers	94,053.51	9,845.52
<i>For Gas Fired Engine Driven, Add</i>	17,316.17	
23 62 13 00-0040 EA 75 Ton Packaged Chiller With Remote Air Cooled Condensers	95,171.27	10,034.41
<i>For Gas Fired Engine Driven, Add</i>	17,529.84	
23 62 13 00-0041 EA 80 Ton Packaged Chiller With Remote Air Cooled Condensers	96,844.32	10,470.74
<i>For Gas Fired Engine Driven, Add</i>	17,799.04	
23 62 13 00-0042 EA 90 Ton Packaged Chiller With Remote Air Cooled Condensers	107,603.36	10,946.69
<i>For Gas Fired Engine Driven, Add</i>	19,879.49	
23 62 13 00-0043 EA 100 Ton Packaged Chiller With Remote Air Cooled Condensers	119,192.01	11,467.98
<i>For Gas Fired Engine Driven, Add</i>	22,119.07	
23 62 13 00-0044 EA 110 Ton Packaged Chiller With Remote Air Cooled Condensers	132,299.75	12,041.34
<i>For Gas Fired Engine Driven, Add</i>	24,654.65	
23 62 13 00-0045 EA 120 Ton Packaged Chiller With Remote Air Cooled Condensers	143,130.70	12,675.12
<i>For Gas Fired Engine Driven, Add</i>	26,725.83	
23 62 13 00-0046 EA 140 Ton Packaged Chiller With Remote Air Cooled Condensers	158,081.30	13,379.27
<i>For Gas Fired Engine Driven, Add</i>	29,610.37	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001

Water Cooled Condensing Units (23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	4,160.77	520.39
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	6,299.59	759.99
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,194.37	823.64
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,908.37	988.36
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	9,659.95	1,162.83
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	20,187.28	1,718.17
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	25,031.14	2,073.67
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	34,382.97	2,268.92

23 63 Refrigerant Condensers (23 60)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001

Air Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002 EA 6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	3,962.91	520.39
<i>For >10 To 25, Deduct</i>	-95.24	
<i>For >25 To 50, Deduct</i>	-158.74	
<i>For >50, Deduct</i>	-253.98	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	609.76	
<i>For Winter Start Control, Add</i>	205.81	
23 63 13 00-0003 EA 7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,745.64	617.73
<i>For >10 To 25, Deduct</i>	-114.29	
<i>For >25 To 50, Deduct</i>	-190.48	
<i>For >50, Deduct</i>	-304.78	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	538.76	
<i>For Winter Start Control, Add</i>	169.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	6,163.35	759.99
<i>For >10 To 25, Deduct</i>	-150.34	
<i>For >25 To 50, Deduct</i>	-250.57	
<i>For >50, Deduct</i>	-400.91	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	638.78	
<i>For Winter Start Control, Add</i>	215.42	
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,602.90	790.69
<i>For >10 To 25, Deduct</i>	-192.15	
<i>For >25 To 50, Deduct</i>	-320.24	
<i>For >50, Deduct</i>	-512.39	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	747.85	
<i>For Winter Start Control, Add</i>	247.90	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,046.30	823.64
<i>For >10 To 25, Deduct</i>	-233.95	
<i>For >25 To 50, Deduct</i>	-389.92	
<i>For >50, Deduct</i>	-623.87	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	779.89	
<i>For Winter Start Control, Add</i>	202.78	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,648.17	988.36
<i>For >10 To 25, Deduct</i>	-304.52	
<i>For >25 To 50, Deduct</i>	-507.53	
<i>For >50, Deduct</i>	-812.05	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	983.42	
<i>For Winter Start Control, Add</i>	251.26	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,243.16	1,063.25
<i>For >10 To 25, Deduct</i>	-349.01	
<i>For >25 To 50, Deduct</i>	-581.68	
<i>For >50, Deduct</i>	-930.69	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,042.23	
<i>For Winter Start Control, Add</i>	277.29	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,179.42	1,160.58
<i>For >10 To 25, Deduct</i>	-402.70	
<i>For >25 To 50, Deduct</i>	-671.17	
<i>For >50, Deduct</i>	-1,073.87	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,110.17	
<i>For Winter Start Control, Add</i>	309.84	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	20,836.62	1,366.72
<i>For >10 To 25, Deduct</i>	-561.87	
<i>For >25 To 50, Deduct</i>	-936.44	
<i>For >50, Deduct</i>	-1,498.31	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,463.39	
<i>For Winter Start Control, Add</i>	398.07	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	25,309.75	1,718.17
<i>For >10 To 25, Deduct</i>	-679.80	
<i>For >25 To 50, Deduct</i>	-1,133.00	
<i>For >50, Deduct</i>	-1,812.80	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,568.84	
<i>For Winter Start Control, Add</i>	378.28	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	29,141.86	1,896.33
<i>For >10 To 25, Deduct</i>	-788.84	
<i>For >25 To 50, Deduct</i>	-1,314.73	
<i>For >50, Deduct</i>	-2,103.56	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,763.61	
<i>For Winter Start Control, Add</i>	416.20	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	37,715.33	2,073.67
<i>For >10 To 25, Deduct</i>	-1,035.52	
<i>For >25 To 50, Deduct</i>	-1,725.87	
<i>For >50, Deduct</i>	-2,761.39	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,180.19	
<i>For Winter Start Control, Add</i>	492.39	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	51,997.32	1,867.12
<i>For >10 To 25, Deduct</i>	-1,445.89	
<i>For >25 To 50, Deduct</i>	-2,409.82	
<i>For >50, Deduct</i>	-3,855.71	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,396.12	
<i>For Winter Start Control, Add</i>	621.07	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	64,015.47	1,930.41
<i>For >10 To 25, Deduct</i>	-1,802.57	
<i>For >25 To 50, Deduct</i>	-3,004.29	
<i>For >50, Deduct</i>	-4,806.86	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,785.00	
23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small>		
<p>Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 13 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.</p>		
23 63 13 00-0017 EA 1.5 Ton 13 SEER Air Cooled Condensing Unit.....	1,564.53	253.81
<p>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.</p>		
<i>For >10 To 25, Deduct</i>	-35.51	
<i>For >25 To 50, Deduct</i>	-59.19	
<i>For >50, Deduct</i>	-94.71	
<i>For 14 SEER, Add</i>	248.60	
<i>For 16 SEER, Add</i>	485.37	
<i>For 18 SEER, Add</i>	1,053.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 63 Refrigerant Condensers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018 EA 2 Ton 13 SEER Air Cooled Condensing Unit.....	1,682.26	282.15
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-37.78	
For >25 To 50, Deduct	-62.96	
For >50, Deduct	-100.74	
For 14 SEER, Add	264.44	
For 16 SEER, Add	516.29	
For 18 SEER, Add	1,120.72	
23 63 13 00-0019 EA 2.5 Ton 13 SEER Air Cooled Condensing Unit.....	1,784.64	310.36
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-39.58	
For >25 To 50, Deduct	-65.97	
For >50, Deduct	-105.55	
For 14 SEER, Add	277.06	
For 16 SEER, Add	540.93	
For 18 SEER, Add	1,174.20	
23 63 13 00-0020 EA 3 Ton 13 SEER Air Cooled Condensing Unit.....	2,050.67	338.41
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-46.29	
For >25 To 50, Deduct	-77.15	
For >50, Deduct	-123.44	
For 14 SEER, Add	324.04	
For 16 SEER, Add	632.65	
For 18 SEER, Add	1,373.31	
23 63 13 00-0021 EA 3.5 Ton 13 SEER Air Cooled Condensing Unit.....	2,170.96	366.80
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-48.63	
For >25 To 50, Deduct	-81.05	
For >50, Deduct	-129.68	
For 14 SEER, Add	340.42	
For 16 SEER, Add	664.63	
For 18 SEER, Add	1,442.73	
23 63 13 00-0022 EA 4 Ton 13 SEER Air Cooled Condensing Unit.....	2,420.36	395.01
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-54.84	
For >25 To 50, Deduct	-91.41	
For >50, Deduct	-146.25	
For 14 SEER, Add	383.91	
For 16 SEER, Add	749.54	
For 18 SEER, Add	1,627.04	
23 63 13 00-0023 EA 5 Ton 13 SEER Air Cooled Condensing Unit.....	2,732.99	423.02
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-62.95	
For >25 To 50, Deduct	-104.92	
For >50, Deduct	-167.88	
For 14 SEER, Add	440.68	
For 15 SEER, Add	503.63	
For 16 SEER, Add	860.37	
For 18 SEER, Add	1,867.64	
23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)		
Note: Includes storage and cleaning.		
23 63 13 00-0025 EA Remove And Reinstall Air Cooled Condensing Unit Up To 5 Tons.....	259.70	
23 63 13 00-0026 EA Remove And Reinstall Air Cooled Condensing Unit 7.5 To 15 Tons	973.91	
23 63 13 00-0027 EA Remove And Reinstall Air Cooled Condensing Unit 20 To 40 Tons	1,573.03	
23 64 Packaged Water Chillers (23 60)		
23 64 13 Absorption Water Chillers (23 64)		
23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)		
23 64 13 16-0001 Packaged Water Cooled Absorption Chillers (Steam Driven) (23 64 13 16)		
Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units over 20 tons include dual compressors. Exclude piping and power wiring.		
23 64 13 16-0002 EA 50 Ton Absorption Chiller	87,401.89	4,896.81
For Two Stage Unit, Add	58,062.29	
23 64 13 16-0003 EA 100 Ton Absorption Chiller	111,027.71	5,838.26
For Two Stage Unit, Add	73,968.13	
23 64 13 16-0004 EA 150 Ton Absorption Chiller	140,749.50	5,993.91
For Two Stage Unit, Add	94,673.35	
23 64 13 16-0005 EA 200 Ton Absorption Chiller	155,969.49	6,107.93
For Two Stage Unit, Add	105,254.08	
23 64 13 16-0006 EA 250 Ton Absorption Chiller	174,460.16	6,261.01
For Two Stage Unit, Add	118,099.16	
23 64 13 16-0007 EA 300 Ton Absorption Chiller	197,107.56	6,630.42
For Two Stage Unit, Add	133,715.00	
23 64 13 16-0008 EA 350 Ton Absorption Chiller	211,399.35	6,790.65
For Two Stage Unit, Add	143,616.29	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central Cooling Equipment		23 60
Packaged Water Chillers		23 64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64	13 16-0009	EA	400 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	251,943.52 171,818.83	7,068.27
23 64	13 16-0010	EA	500 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	282,347.90 192,969.62	7,274.15
23 64	13 16-0011	EA	650 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	347,297.23 236,513.36	10,263.57
23 64	13 16-0012	EA	750 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	378,084.55 256,977.07	11,955.97
23 64	13 16-0013	EA	850 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	405,001.98 275,477.83	12,487.30
23 64	13 16-0014	EA	950 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	433,566.62 295,274.73	12,933.95
23 64	13 16-0015	EA	1,125 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	496,431.18 338,995.01	13,382.19
23 64	13 16-0016	EA	1,250 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	543,195.20 371,469.41	13,791.84
23 64	13 16-0017	EA	1,450 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	638,516.68 436,154.27	17,001.24
23 64	13 16-0018	EA	1,700 Ton Absorption Chiller <i>For Two Stage Unit, Add</i>	746,408.95 511,106.28	17,902.01

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Chillers (23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64	16 16-0002	EA	180 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	116,532.08 4,367.14	4,577.84
23 64	16 16-0003	EA	200 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	127,423.27 4,795.24	4,693.77
23 64	16 16-0004	EA	225 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	140,589.47 5,314.32	4,813.09
23 64	16 16-0005	EA	250 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	153,430.18 5,815.55	5,006.06
23 64	16 16-0006	EA	275 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	165,968.88 6,298.93	5,288.73
23 64	16 16-0007	EA	300 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	178,048.92 6,764.47	5,563.70
23 64	16 16-0008	EA	325 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	189,729.91 7,212.11	5,868.74
23 64	16 16-0009	EA	350 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	200,940.93 7,641.96	6,158.16
23 64	16 16-0010	EA	375 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	211,663.51 8,053.90	6,422.05
23 64	16 16-0011	EA	400 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	221,850.74 8,448.00	6,630.42
23 64	16 16-0012	EA	425 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	231,784.64 8,824.25	6,958.90
23 64	16 16-0013	EA	450 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	241,176.12 9,182.66	7,227.37
23 64	16 16-0014	EA	475 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	250,115.81 9,523.22	7,492.39
23 64	16 16-0015	EA	500 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	258,513.38 9,845.93	7,697.64
23 64	16 16-0016	EA	550 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	273,747.74 10,437.77	7,970.59
23 64	16 16-0017	EA	600 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	287,037.32 10,958.22	8,143.91
23 64	16 16-0018	EA	650 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	298,909.23 11,407.23	8,546.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0019 EA 700 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	309,006.21 11,784.85	8,955.09
23 64 16 16-0020 EA 750 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	317,387.11 12,091.20	9,404.64
23 64 16 16-0021 EA 800 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	337,138.48 12,852.10	9,858.37
23 64 16 16-0022 EA 850 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	356,750.13 13,607.51	10,310.66
23 64 16 16-0023 EA 900 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	376,291.72 14,357.32	10,806.36
23 64 16 16-0024 EA 950 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	395,772.51 15,101.49	11,352.12
23 64 16 16-0025 EA 1,000 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	415,093.09 15,840.00	12,014.21
23 64 16 16-0026 EA 1,100 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	450,274.13 17,129.75	13,862.60
23 64 16 16-0027 EA 1,200 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	484,127.86 18,366.06	15,716.27
23 64 16 16-0028 EA 1,300 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	516,083.46 19,548.83	17,217.82
23 64 16 16-0029 EA 1,400 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	545,783.44 20,678.06	18,142.34
23 64 16 16-0030 EA 1,500 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	574,093.13 21,753.60	19,036.63
23 64 16 16-0031 EA 1,600 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	600,533.15 22,776.12	19,588.45
23 64 16 16-0032 EA 1,700 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	626,925.69 23,744.95	20,955.04
23 64 16 16-0033 EA 1,800 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	651,432.38 24,660.24	21,977.24
23 64 16 16-0034 EA 1,900 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	675,083.72 25,521.99	23,303.47
23 64 16 16-0035 EA 2,000 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	696,614.24 26,330.30	24,135.75
23 64 16 16-0036 EA 2,250 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	741,979.11 28,117.00	25,501.94
23 64 16 16-0037 EA 2,500 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	782,192.44 29,569.32	27,032.02

23 64 19 Reciprocating Water Chillers (23 64)

23 64 19 00-0001 Packaged Water Cooled Reciprocating Chiller (23 64 19)

Note: With reciprocation compressor integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 19 00-0002 EA 15 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger.....	17,373.82	1,263.97
23 64 19 00-0003 EA 20 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger.....	20,436.39	1,491.13
23 64 19 00-0004 EA 25 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger.....	22,887.54	1,536.18
23 64 19 00-0005 EA 30 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger.....	25,481.64	1,686.41
23 64 19 00-0006 EA 40 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger.....	30,892.57	2,136.11
23 64 19 00-0007 EA 50 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger.....	35,009.67	2,340.96
23 64 19 00-0008 EA 60 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger.....	36,277.71	2,586.46

23 64 23 Scroll Water Chillers (23 64)



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 23 00-0001

Packaged Scroll Type Air Cooled Chillers ^(23 64 23)

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.

23 64 23 00-0002	EA	10 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	15,081.92	1,182.74
23 64 23 00-0003	EA	15 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	21,967.08	1,197.90
23 64 23 00-0004	EA	18 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	23,965.77	1,281.30
23 64 23 00-0005	EA	22 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	26,352.49	1,372.28
23 64 23 00-0006	EA	25 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	26,805.65	1,463.26
23 64 23 00-0007	EA	30 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	28,295.37	1,569.41
23 64 23 00-0008	EA	40 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	32,319.64	1,698.29
23 64 23 00-0009	EA	45 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	34,713.22	1,842.34
23 64 23 00-0010	EA	50 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	36,640.27	1,895.42
23 64 23 00-0011	EA	55 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	38,267.59	1,978.81
23 64 23 00-0012	EA	60 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	39,553.54	2,047.05
23 64 23 00-0013	EA	70 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	45,612.65	2,304.82
23 64 23 00-0014	EA	80 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	49,114.94	2,524.69
23 64 23 00-0015	EA	90 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	49,994.68	2,532.28
23 64 23 00-0016	EA	100 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	52,847.92	2,539.86
23 64 23 00-0017	EA	110 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	55,624.14	2,547.44
23 64 23 00-0018	EA	120 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	58,434.88	2,555.02
23 64 23 00-0019	EA	130 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	61,391.54	2,562.61

23 64 23 00-0020

Packaged Water Cooled Scroll Compressor Chiller ^(23 64 23)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 00-0021	EA	20 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	33,303.12	1,491.13
23 64 23 00-0022	EA	25 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	38,440.71	1,536.18
23 64 23 00-0023	EA	30 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	42,657.36	1,686.41
23 64 23 00-0024	EA	40 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	52,392.81	2,136.11
23 64 23 00-0025	EA	50 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	57,974.92	2,340.96
23 64 23 00-0026	EA	60 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger.....	60,834.83	2,586.46

23 64 26 Rotary-Screw Water Chillers ^(23 64)

23 64 26 00-0001

Packaged Rotary/Screw Type Air Cooled Chillers ^(23 64 26)

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.

23 64 26 00-0002	EA	70 Ton Air Cooled Rotary Screw Chiller	88,278.57	2,903.78
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,258.90	
		<i>For 208/230 Volt Motor, Add</i>	3,357.07	
23 64 26 00-0003	EA	80 Ton Air Cooled Rotary Screw Chiller	94,864.53	3,153.97
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,352.12	
		<i>For 208/230 Volt Motor, Add</i>	3,605.65	
23 64 26 00-0004	EA	90 Ton Air Cooled Rotary Screw Chiller	99,798.65	3,290.44
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,422.94	
		<i>For 208/230 Volt Motor, Add</i>	3,794.52	
23 64 26 00-0005	EA	100 Ton Air Cooled Rotary Screw Chiller	103,436.84	3,540.64
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,471.95	
		<i>For 208/230 Volt Motor, Add</i>	3,925.19	
23 64 26 00-0006	EA	110 Ton Air Cooled Rotary Screw Chiller	111,045.30	3,715.02
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,582.21	
		<i>For 208/230 Volt Motor, Add</i>	4,219.21	
23 64 26 00-0007	EA	120 Ton Air Cooled Rotary Screw Chiller	118,065.39	3,790.83
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,685.69	
		<i>For 208/230 Volt Motor, Add</i>	4,495.17	
23 64 26 00-0008	EA	130 Ton Air Cooled Rotary Screw Chiller	124,664.35	3,919.71
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,781.83	
		<i>For 208/230 Volt Motor, Add</i>	4,751.54	
23 64 26 00-0009	EA	140 Ton Air Cooled Rotary Screw Chiller	128,666.78	4,003.12
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,639.93	
		<i>For 208/230 Volt Motor, Add</i>	4,906.48	
23 64 26 00-0010	EA	160 Ton Air Cooled Rotary Screw Chiller	135,919.75	4,086.51
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,946.79	
		<i>For 208/230 Volt Motor, Add</i>	5,191.45	
23 64 26 00-0011	EA	170 Ton Air Cooled Rotary Screw Chiller	141,897.00	4,215.41
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,033.61	
		<i>For 208/230 Volt Motor, Add</i>	5,422.96	
23 64 26 00-0012	EA	180 Ton Air Cooled Rotary Screw Chiller	149,655.41	4,382.20
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,146.23	
		<i>For 208/230 Volt Motor, Add</i>	5,723.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 00-0013 EA 200 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	156,479.07 -2,246.65 5,991.08	4,473.18
23 64 26 00-0014 EA 215 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	167,833.64 -2,415.15 6,440.41	4,549.00
23 64 26 00-0015 EA 225 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	175,383.14 -2,527.48 6,739.96	4,594.48
23 64 26 00-0016 EA 240 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	182,932.63 -2,639.82 7,039.51	4,632.39
23 64 26 00-0017 EA 260 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	205,535.64 -2,976.82 7,938.17	4,723.38
23 64 26 00-0018 EA 280 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	216,897.79 -3,145.31 8,387.51	4,814.35
23 64 26 00-0019 EA 300 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	231,996.79 -3,369.98 8,986.61	4,890.17
23 64 26 00-0020 EA 325 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	254,584.62 -3,706.98 9,885.27	4,973.57
23 64 26 00-0021 EA 350 Ton Air Cooled Rotary Screw Chiller <i>For Aluminum Fins Instead Of Copper, Deduct For 208/230 Volt Motor, Add</i>	277,694.37 -4,052.15 10,805.72	5,034.22

23 64 26 00-0022 Packaged Water Cooled Helical Rotary Chiller (23 64 26)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 00-0023 EA 70 Ton Water Cooled Rotary Chiller	65,002.14	3,610.60
23 64 26 00-0024 EA 80 Ton Water Cooled Rotary Chiller	70,660.20	3,751.01
23 64 26 00-0025 EA 90 Ton Water Cooled Rotary Chiller	75,567.55	3,851.31
23 64 26 00-0026 EA 100 Ton Water Cooled Rotary Chiller	79,803.02	4,013.78
23 64 26 00-0027 EA 110 Ton Water Cooled Rotary Chiller	84,038.46	4,124.11
23 64 26 00-0028 EA 125 Ton Water Cooled Rotary Chiller	89,203.40	4,239.89
23 64 26 00-0029 EA 130 Ton Water Cooled Rotary Chiller	91,491.86	4,358.39
23 64 26 00-0030 EA 150 Ton Water Cooled Rotary Chiller	99,187.51	4,476.34
23 64 26 00-0031 EA 175 Ton Water Cooled Rotary Chiller	106,670.09	4,587.14
23 64 26 00-0032 EA 190 Ton Water Cooled Rotary Chiller	110,292.88	4,816.54
23 64 26 00-0033 EA 200 Ton Water Cooled Rotary Chiller	112,364.02	5,048.82
23 64 26 00-0034 EA 210 Ton Water Cooled Rotary Chiller	113,880.12	5,156.90
23 64 26 00-0035 EA 235 Ton Water Cooled Rotary Chiller	123,829.10	5,269.71
23 64 26 00-0036 EA 255 Ton Water Cooled Rotary Chiller	131,576.99	5,510.90
23 64 26 00-0037 EA 275 Ton Water Cooled Rotary Chiller	138,908.08	5,733.95
23 64 26 00-0038 EA 300 Ton Water Cooled Rotary Chiller	147,447.77	5,961.10
23 64 26 00-0039 EA 350 Ton Water Cooled Rotary Chiller	161,862.18	6,489.45
23 64 26 00-0040 EA 400 Ton Water Cooled Rotary Chiller	173,631.49	7,137.75
23 64 26 00-0041 EA 450 Ton Water Cooled Rotary Chiller	182,767.89	7,851.85

23 65 Cooling Towers (23 60)

23 65 00 00-0001 Induced Draft Axial Single Flow Propeller Type Cooling Tower (23 65)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb, 3 GPM/ton. Excludes crane and associated personnel.

23 65 00 00-0002 EA 10 Ton Propeller Type Cooling Tower, Axial - Single Flow	5,779.18	849.15
23 65 00 00-0003 EA 20 Ton Propeller Type Cooling Tower, Axial - Single Flow	6,828.34	917.38
23 65 00 00-0004 EA 30 Ton Propeller Type Cooling Tower, Axial - Single Flow	8,147.69	1,031.11
23 65 00 00-0005 EA 40 Ton Propeller Type Cooling Tower, Axial - Single Flow	9,040.36	1,137.25
23 65 00 00-0006 EA 50 Ton Propeller Type Cooling Tower, Axial - Single Flow	10,689.21	1,258.55
23 65 00 00-0007 EA 60 Ton Propeller Type Cooling Tower, Axial - Single Flow	12,409.71	1,357.12
23 65 00 00-0008 EA 75 Ton Propeller Type Cooling Tower, Axial - Single Flow	14,241.96	1,539.08
23 65 00 00-0009 EA 100 Ton Propeller Type Cooling Tower, Axial - Single Flow	17,777.43	1,933.32
23 65 00 00-0010 EA 125 Ton Propeller Type Cooling Tower, Axial - Single Flow	19,398.69	2,160.77
23 65 00 00-0011 EA 150 Ton Propeller Type Cooling Tower, Axial - Single Flow	29,395.35	2,433.71
23 65 00 00-0012 EA 200 Ton Propeller Type Cooling Tower, Axial - Single Flow	35,595.09	3,040.25
23 65 00 00-0013 EA 300 Ton Propeller Type Cooling Tower, Axial - Single Flow	46,334.11	4,988.73

23 65 00 00-0014 Induced Draft Double Flow Propeller Type Packaged Cooling Tower (23 65)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 00 00-0015 EA 100 Ton Propeller Type Cooling Tower, Double Flow	17,777.43	1,933.32
23 65 00 00-0016 EA 150 Ton Propeller Type Cooling Tower, Double Flow	23,645.36	2,433.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0017 EA 200 Ton Propeller Type Cooling Tower, Double Flow	30,029.37	3,040.25
23 65 00 00-0018 EA 250 Ton Propeller Type Cooling Tower, Double Flow	35,685.82	3,805.99
23 65 00 00-0019 EA 300 Ton Propeller Type Cooling Tower, Double Flow	42,533.35	4,988.73
23 65 00 00-0020 EA 350 Ton Propeller Type Cooling Tower, Double Flow	47,423.50	5,618.01
23 65 00 00-0021 EA 400 Ton Propeller Type Cooling Tower, Double Flow	52,860.72	6,163.89
23 65 00 00-0022 EA 450 Ton Propeller Type Cooling Tower, Double Flow	59,867.17	6,831.08
23 65 00 00-0023 EA 500 Ton Propeller Type Cooling Tower, Double Flow	67,435.66	7,407.28
23 65 00 00-0024 EA 550 Ton Propeller Type Cooling Tower, Double Flow	72,169.50	7,809.11
23 65 00 00-0025 EA 600 Ton Propeller Type Cooling Tower, Double Flow	77,279.54	8,021.40
23 65 00 00-0026 EA 700 Ton Propeller Type Cooling Tower, Double Flow	87,402.66	8,294.33
23 65 00 00-0027 EA 800 Ton Propeller Type Cooling Tower, Double Flow	95,871.94	9,143.48
23 65 00 00-0028 EA 900 Ton Propeller Type Cooling Tower, Double Flow	105,909.46	10,068.45

23 65 00 00-0029

Induced Draft Crossflow Film Filled Propeller Type Cooling Tower (23 65)

Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 00 00-0030 EA 10 Ton Induced Draft Cooling Tower	4,943.47	849.15
For Polymer Coating Over Galvanized Components, Add	550.46	
23 65 00 00-0031 EA 15 Ton Induced Draft Cooling Tower	5,320.88	864.31
For Polymer Coating Over Galvanized Components, Add	604.80	
23 65 00 00-0032 EA 20 Ton Induced Draft Cooling Tower	5,788.69	940.12
For Polymer Coating Over Galvanized Components, Add	656.78	
23 65 00 00-0033 EA 25 Ton Induced Draft Cooling Tower	6,738.92	985.62
For Polymer Coating Over Galvanized Components, Add	789.08	
23 65 00 00-0034 EA 30 Ton Induced Draft Cooling Tower	7,610.41	1,031.11
For Polymer Coating Over Galvanized Components, Add	909.56	
23 65 00 00-0035 EA 35 Ton Induced Draft Cooling Tower	8,465.55	1,084.17
For Polymer Coating Over Galvanized Components, Add	1,025.33	
23 65 00 00-0036 EA 40 Ton Induced Draft Cooling Tower	9,250.13	1,137.25
For Polymer Coating Over Galvanized Components, Add	1,131.64	
23 65 00 00-0037 EA 45 Ton Induced Draft Cooling Tower	10,121.02	1,197.90
For Polymer Coating Over Galvanized Components, Add	1,249.76	
23 65 00 00-0038 EA 50 Ton Induced Draft Cooling Tower	10,975.59	1,258.55
For Polymer Coating Over Galvanized Components, Add	1,363.16	
23 65 00 00-0039 EA 60 Ton Induced Draft Cooling Tower	12,647.39	1,357.12
For Polymer Coating Over Galvanized Components, Add	1,592.33	
23 65 00 00-0040 EA 70 Ton Induced Draft Cooling Tower	14,460.35	1,463.26
For Polymer Coating Over Galvanized Components, Add	1,840.39	
23 65 00 00-0041 EA 75 Ton Induced Draft Cooling Tower	15,306.74	1,539.08
For Polymer Coating Over Galvanized Components, Add	1,951.43	
23 65 00 00-0042 EA 80 Ton Induced Draft Cooling Tower	16,244.12	1,667.97
For Polymer Coating Over Galvanized Components, Add	2,062.46	
23 65 00 00-0043 EA 90 Ton Induced Draft Cooling Tower	16,945.24	1,796.85
For Polymer Coating Over Galvanized Components, Add	2,138.06	
23 65 00 00-0044 EA 100 Ton Induced Draft Cooling Tower	18,259.98	1,933.32
For Polymer Coating Over Galvanized Components, Add	2,272.73	
23 65 00 00-0045 EA 125 Ton Induced Draft Cooling Tower	19,049.15	2,160.77
For Polymer Coating Over Galvanized Components, Add	2,336.51	
23 65 00 00-0046 EA 150 Ton Induced Draft Cooling Tower	22,103.38	2,433.71
For Polymer Coating Over Galvanized Components, Add	2,728.69	
23 65 00 00-0047 EA 175 Ton Induced Draft Cooling Tower	24,431.95	2,729.40
For Polymer Coating Over Galvanized Components, Add	3,007.46	
23 65 00 00-0048 EA 200 Ton Induced Draft Cooling Tower	25,767.09	3,040.25
For Polymer Coating Over Galvanized Components, Add	3,132.68	
23 65 00 00-0049 EA 225 Ton Induced Draft Cooling Tower	29,759.29	3,426.91
For Polymer Coating Over Galvanized Components, Add	3,638.25	
23 65 00 00-0050 EA 250 Ton Induced Draft Cooling Tower	32,641.40	3,805.99
For Polymer Coating Over Galvanized Components, Add	3,978.45	
23 65 00 00-0051 EA 275 Ton Induced Draft Cooling Tower	35,031.66	4,503.51
For Polymer Coating Over Galvanized Components, Add	4,169.81	
23 65 00 00-0052 EA 300 Ton Induced Draft Cooling Tower	37,836.15	4,988.73
For Polymer Coating Over Galvanized Components, Add	4,472.21	
23 65 00 00-0053 EA 350 Ton Induced Draft Cooling Tower	43,223.01	5,618.01
For Polymer Coating Over Galvanized Components, Add	5,128.99	
23 65 00 00-0054 EA 400 Ton Induced Draft Cooling Tower	47,638.64	6,163.89
For Polymer Coating Over Galvanized Components, Add	5,660.55	
23 65 00 00-0055 EA 450 Ton Induced Draft Cooling Tower	52,660.91	6,831.08
For Polymer Coating Over Galvanized Components, Add	6,253.54	
23 65 00 00-0056 EA 500 Ton Induced Draft Cooling Tower	57,373.45	7,407.28
For Polymer Coating Over Galvanized Components, Add	6,820.54	
23 65 00 00-0057 EA 600 Ton Induced Draft Cooling Tower	65,446.58	8,021.40
For Polymer Coating Over Galvanized Components, Add	7,883.66	
23 65 00 00-0058 EA 700 Ton Induced Draft Cooling Tower	73,143.62	8,294.33
For Polymer Coating Over Galvanized Components, Add	9,020.03	
23 65 00 00-0059 EA 800 Ton Induced Draft Cooling Tower	81,723.00	9,143.48
For Polymer Coating Over Galvanized Components, Add	10,106.78	
23 65 00 00-0060 EA 900 Ton Induced Draft Cooling Tower	90,077.18	10,068.45
For Polymer Coating Over Galvanized Components, Add	11,141.55	
23 65 00 00-0061 EA 1,000 Ton Induced Draft Cooling Tower	98,305.30	11,129.88
For Polymer Coating Over Galvanized Components, Add	12,126.71	
23 65 00 00-0062 EA 1,100 Ton Induced Draft Cooling Tower	107,447.12	11,668.18
For Polymer Coating Over Galvanized Components, Add	13,371.75	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0063 EA 1,200 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	116,259.96 14,574.26	12,168.57
23 65 00 00-0064 EA 1,300 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	123,740.84 15,450.75	13,214.83
23 65 00 00-0065 EA 1,400 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	131,012.29 16,277.63	14,336.92
23 65 00 00-0066 EA 1,500 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	138,051.55 17,054.89	15,519.65
23 65 00 00-0067 EA 1,600 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	144,539.01 17,777.81	16,588.67
23 65 00 00-0068 EA 1,700 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	150,930.17 18,448.76	17,809.31
23 65 00 00-0069 EA 1,800 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	157,293.82 19,070.10	19,219.51
23 65 00 00-0070 EA 1,900 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	163,287.70 19,637.10	20,629.70
23 65 00 00-0071 EA 2,000 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	169,754.46 20,154.49	22,555.45

23 65 00 00-0072 Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower ^(23 65)

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 00 00-0073 EA 5 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	2,107.60	470.06
23 65 00 00-0074 EA 8 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	2,364.56	583.78
23 65 00 00-0075 EA 10 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	2,845.78	659.60
23 65 00 00-0076 EA 15 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	3,289.25	720.26
23 65 00 00-0077 EA 20 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	4,265.24	780.91
23 65 00 00-0078 EA 25 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	4,566.46	856.73
23 65 00 00-0079 EA 30 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	5,205.27	1,114.50
23 65 00 00-0080 EA 40 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	5,956.50	1,015.94
23 65 00 00-0081 EA 50 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	6,716.52	1,167.58
23 65 00 00-0082 EA 60 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	7,588.81	1,304.04
23 65 00 00-0083 EA 70 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	8,768.52	1,440.51
23 65 00 00-0084 EA 80 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	10,067.09	1,827.18
23 65 00 00-0085 EA 100 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	11,871.53	2,062.22
23 65 00 00-0086 EA 125 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	14,530.18	2,289.66
23 65 00 00-0087 EA 150 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	16,032.13	2,403.39
23 65 00 00-0088 EA 175 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	19,079.01	2,509.53
23 65 00 00-0089 EA 200 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	21,001.05	2,623.25
23 65 00 00-0090 EA 225 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	22,863.01	2,736.98
23 65 00 00-0091 EA 250 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	24,809.35	2,956.85
23 65 00 00-0092 EA 300 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	28,812.90	3,298.02
23 65 00 00-0093 EA 350 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	32,636.44	3,646.78
23 65 00 00-0094 EA 400 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	36,818.37	4,321.55
23 65 00 00-0095 EA 500 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	44,465.45	5,019.06
23 65 00 00-0096 EA 600 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	50,847.80	5,443.63
23 65 00 00-0097 EA 700 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	57,228.04	6,163.89
23 65 00 00-0098 EA 800 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	63,075.70	6,891.73
23 65 00 00-0099 EA 1,000 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	74,638.43	7,619.57

23 65 00 00-0100 Stainless Steel Packaged Propeller Type Cooling Tower ^(23 65)

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 00 00-0101 Draw-Thru Stainless Steel Propeller Type Cooling Tower ^(23 65 00 00-0100)

Note: Excludes crane and associated personnel.

23 65 00 00-0102 EA 50 Ton Propeller Type Cooling Tower, Stainless Steel, Draw-Thru	13,501.62	1,258.55
23 65 00 00-0103 EA 75 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	19,001.14	1,539.08
23 65 00 00-0104 EA 100 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	22,590.43	1,933.32
23 65 00 00-0105 EA 125 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	25,584.00	2,160.77
23 65 00 00-0106 EA 150 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	28,116.17	2,433.71
23 65 00 00-0107 EA 200 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	33,808.72	3,040.25
23 65 00 00-0108 EA 250 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	39,971.41	3,805.99
23 65 00 00-0109 EA 300 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	47,759.95	4,988.73
23 65 00 00-0110 EA 350 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	52,407.08	5,618.01
23 65 00 00-0111 EA 400 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	59,252.06	6,163.89
23 65 00 00-0112 EA 500 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	68,893.25	7,407.28
23 65 00 00-0113 EA 600 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	77,505.16	8,021.40
23 65 00 00-0114 EA 750 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	95,109.52	8,718.91
23 65 00 00-0115 EA 1,000 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	120,709.85	11,008.57

23 65 00 00-0116 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower ^(23 65 00 00-0100)

Note: Excludes crane and associated personnel.

23 65 00 00-0117 EA 100 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	31,452.88	1,933.32
<i>For Induced Draft Counter Flow Type, Add</i>	1,417.22	
23 65 00 00-0118 EA 125 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	35,624.74	2,145.61
<i>For Induced Draft Counter Flow Type, Add</i>	1,607.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0119 EA 150 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	38,990.92 1,753.94	2,433.71
23 65 00 00-0120 EA 200 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	43,604.60 1,936.10	3,040.25
23 65 00 00-0121 EA 250 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	49,676.77 2,177.92	3,805.99
23 65 00 00-0122 EA 300 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	57,520.22 2,474.94	4,988.73
23 65 00 00-0123 EA 350 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	62,808.44 2,688.93	5,618.01
23 65 00 00-0124 EA 400 Ton Propeller Type Cooling Tower, Stainless Steel Induced draft <i>For Induced Draft Counter Flow Type, Add</i>	67,960.17 2,902.93	6,163.89
23 65 00 00-0125 EA 500 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	78,671.33 3,338.41	7,407.28
23 65 00 00-0126 EA 600 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	88,590.51 3,785.08	8,021.40
23 65 00 00-0127 EA 750 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	108,955.63 4,727.52	8,718.91
23 65 00 00-0128 EA 1,000 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft <i>For Induced Draft Counter Flow Type, Add</i>	140,820.58 6,168.00	11,129.88
 23 65 00 00-0129 Belt Driven Stainless Steel Propeller Type Cooling Tower <small>(23 65 00 00-0100)</small> Note: Excludes crane and associated personnel.		
23 65 00 00-0130 EA 100 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	23,467.48	1,933.32
23 65 00 00-0131 EA 125 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	25,447.47	2,160.77
23 65 00 00-0132 EA 150 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	27,504.76	2,433.71
23 65 00 00-0133 EA 200 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	32,652.68	3,040.25
23 65 00 00-0134 EA 250 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	36,351.93	3,805.99
 23 65 00 00-0135 Blow-Thru Centrifugal Fan Type Cooling Tower <small>(23 65)</small> Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.		
23 65 00 00-0136 EA 50 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	11,213.10 5,595.16	1,258.55
23 65 00 00-0137 EA 75 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	15,394.52 7,858.37	1,539.08
23 65 00 00-0138 EA 100 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	19,349.11 9,744.38	1,933.32
23 65 00 00-0139 EA 125 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	22,292.57 11,292.10	2,160.77
23 65 00 00-0140 EA 150 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	25,466.51 12,932.63	2,433.71
23 65 00 00-0141 EA 175 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	28,630.88 14,549.21	2,729.40
23 65 00 00-0142 EA 200 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	32,124.93 16,345.40	3,040.25
23 65 00 00-0143 EA 225 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	35,141.56 17,782.36	3,426.91
23 65 00 00-0144 EA 250 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	38,310.26 19,315.12	3,805.99
23 65 00 00-0145 EA 275 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	42,059.20 20,895.77	4,503.51
23 65 00 00-0146 EA 300 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	45,741.56 22,632.10	4,988.73
23 65 00 00-0147 EA 325 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	48,207.40 23,829.56	5,307.16
23 65 00 00-0148 EA 350 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	51,090.74 25,236.59	5,618.01
23 65 00 00-0149 EA 375 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	53,875.50 26,643.61	5,890.95
23 65 00 00-0150 EA 400 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	57,051.84 28,290.12	6,163.89
23 65 00 00-0151 EA 425 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	60,434.12 29,996.51	6,497.48
23 65 00 00-0152 EA 450 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	64,257.87 31,972.33	6,831.08
23 65 00 00-0153 EA 475 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	67,963.49 33,918.21	7,119.18
23 65 00 00-0154 EA 500 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	71,676.69 35,864.09	7,407.28
23 65 00 00-0155 EA 550 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	78,655.77 39,755.86	7,718.12
23 65 00 00-0156 EA 600 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	86,233.59 44,006.86	8,021.40
23 65 00 00-0157 EA 650 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	89,287.90 45,803.06	8,188.20
23 65 00 00-0158 EA 700 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	92,940.94 47,958.49	8,294.33
23 65 00 00-0159 EA 750 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	97,300.33 50,173.81	8,718.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0160 EA 800 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	102,358.21 52,808.23	9,143.48
23 65 00 00-0161 EA 850 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	107,476.77 55,442.65	9,605.96
23 65 00 00-0162 EA 900 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	113,393.62 58,556.06	10,068.45
23 65 00 00-0163 EA 950 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	119,516.40 61,729.34	10,599.16
23 65 00 00-0164 EA 1,000 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	126,429.91 65,381.62	11,129.88

23 65 00 00-0165 Cooling Tower Fiberglass Sump Basins ^(23 65)

Note: No cover. Includes 1 inlet sleeve. Excludes excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.

23 65 00 00-0166 EA 30" Diameter x 30" Depth Fiberglass Cooling Tower Sump Basin, 92 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	797.48 115.00 80.00	
23 65 00 00-0167 EA 30" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 110 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	904.18 115.00 80.00	
23 65 00 00-0168 EA 36" Diameter x 30" Depth Fiberglass Cooling Tower Sump Basin, 132 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	880.32 253.00 80.00	
23 65 00 00-0169 EA 36" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 159 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,036.16 253.00 80.00	
23 65 00 00-0170 EA 42" Diameter x 30" Depth Fiberglass Cooling Tower Sump Basin, 180 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,128.82 276.00 100.00	
23 65 00 00-0171 EA 42" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 216 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,250.97 276.00 100.00	
23 65 00 00-0172 EA 42" Diameter x 42" Depth Fiberglass Cooling Tower Sump Basin, 252 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,373.12 276.00 100.00	
23 65 00 00-0173 EA 48" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 282 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,375.93 294.00 140.00	
23 65 00 00-0174 EA 48" Diameter x 42" Depth Fiberglass Cooling Tower Sump Basin, 329 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,516.32 294.00 140.00	
23 65 00 00-0175 EA 48" Diameter x 48" Depth Fiberglass Cooling Tower Sump Basin, 376 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,733.95 294.00 140.00	
23 65 00 00-0176 EA 48" Diameter x 54" Depth Fiberglass Cooling Tower Sump Basin, 423 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,952.97 294.00 140.00	
23 65 00 00-0177 EA 48" Diameter x 60" Depth Fiberglass Cooling Tower Sump Basin, 470 Gallon Capacity..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,090.57 294.00 140.00	

23 70 Central HVAC Equipment ⁽²³⁾

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0129 for terminations, 26 28 16 00-0001 for disconnect.

23 71 Thermal Storage ^(23 70)

23 71 13 Thermal Heat Storage ^(23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks ^(23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks ^(23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank.....	15,435.13	145.02
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank.....	21,536.05	192.28
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank.....	24,660.02	232.57
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank.....	29,203.27	290.71
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank.....	33,993.16	386.44
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank.....	43,949.69	581.48
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank.....	49,629.96	654.93
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank.....	68,144.90	869.93
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank.....	88,133.68	1,011.33

23 72 Air-To-Air Energy Recovery Equipment ^(23 70)

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment ^(23 72)

23 72 13 00-0001 Enthalpy Recovery Wheel ^(23 72 13)

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel.....	5,557.74	542.05
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	6,196.44	650.63
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	7,753.13	813.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	9,054.80	929.17
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	9,990.35	975.94
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	12,086.81	1,084.50
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	15,891.44	1,138.59
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	19,686.00	1,219.92
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	23,794.43	1,393.96
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	26,789.25	1,789.22
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	35,704.16	2,033.20
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	42,478.04	2,439.84

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)

23 72 16 00-0002 EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit	9,708.96	406.64
23 72 16 00-0003 EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit	15,212.81	542.21
23 72 16 00-0004 EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit	22,557.57	813.28

23 73 Indoor Central-Station Air-Handling Units (23 70)

23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units (23 73 13)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0002 EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,553.79	426.18
<i>For Flat Filter Box And Throwaway Filters, Add</i>	124.94	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	231.61	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	344.37	
<i>For Manual Roll Filter, Add</i>	580.61	
<i>For Automatic Roll Filter, Add</i>	627.86	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	297.12	
<i>For Electric Heating Coil, Add</i>	486.12	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	486.12	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	438.87	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	391.62	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	313.93	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	580.61	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	533.36	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	391.62	
<i>For Variable Air Volume, Add</i>	132.29	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,066.18	
<i>For 2 Coils, Independent Circuits, Add</i>	174.28	
23 73 13 00-0003 EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,401.86	511.41
<i>For Flat Filter Box And Throwaway Filters, Add</i>	203.69	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	385.47	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	574.56	
<i>For Manual Roll Filter, Add</i>	992.52	
<i>For Automatic Roll Filter, Add</i>	1,076.11	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	490.96	
<i>For Electric Heating Coil, Add</i>	825.33	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	825.33	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	741.74	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	658.15	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	538.06	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	992.52	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	908.93	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	658.15	
<i>For Variable Air Volume, Add</i>	234.06	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,151.01	
<i>For 2 Coils, Independent Circuits, Add</i>	273.62	
23 73 13 00-0004 EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,705.92	549.24
<i>For Flat Filter Box And Throwaway Filters, Add</i>	231.36	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	439.19	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	654.86	
<i>For Manual Roll Filter, Add</i>	1,135.20	
<i>For Automatic Roll Filter, Add</i>	1,231.27	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	558.79	
<i>For Electric Heating Coil, Add</i>	943.06	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	943.06	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	847.00	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	750.93	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	615.63	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,135.20	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,039.13	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	750.93	
<i>For Variable Air Volume, Add</i>	268.99	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,189.20	
<i>For 2 Coils, Independent Circuits, Add</i>	309.02	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,043.56	590.18
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	262.19	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	499.09	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	744.42	
			<i>For Manual Roll Filter, Add</i>	1,294.50	
			<i>For Automatic Roll Filter, Add</i>	1,404.51	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	634.40	
			<i>For Electric Heating Coil, Add</i>	1,074.46	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,074.46	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	964.45	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	854.43	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	702.26	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,294.50	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,184.48	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	854.43	
			<i>For Variable Air Volume, Add</i>	308.04	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,230.28	
			<i>For 2 Coils, Independent Circuits, Add</i>	348.36	
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,440.28	634.93
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	298.73	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	570.28	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	850.89	
			<i>For Manual Roll Filter, Add</i>	1,484.46	
			<i>For Automatic Roll Filter, Add</i>	1,611.17	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	724.17	
			<i>For Electric Heating Coil, Add</i>	1,231.03	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,231.03	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,104.32	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	977.60	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	805.59	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,484.46	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,357.74	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	977.60	
			<i>For Variable Air Volume, Add</i>	354.80	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,274.19	
			<i>For 2 Coils, Independent Circuits, Add</i>	394.71	
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,901.94	682.34
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	341.46	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	653.67	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	975.63	
			<i>For Manual Roll Filter, Add</i>	1,707.43	
			<i>For Automatic Roll Filter, Add</i>	1,853.79	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	829.27	
			<i>For Electric Heating Coil, Add</i>	1,414.71	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,414.71	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,268.35	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,121.99	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	926.90	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,707.43	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,561.07	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,121.99	
			<i>For Variable Air Volume, Add</i>	409.81	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,322.32	
			<i>For 2 Coils, Independent Circuits, Add</i>	448.74	
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,267.62	733.56
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	374.48	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	717.58	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,071.14	
			<i>For Manual Roll Filter, Add</i>	1,876.61	
			<i>For Automatic Roll Filter, Add</i>	2,037.71	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	910.05	
			<i>For Electric Heating Coil, Add</i>	1,554.42	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,554.42	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,393.33	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,232.23	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,018.85	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,876.61	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,715.52	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,232.23	
			<i>For Variable Air Volume, Add</i>	451.06	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,372.01	
			<i>For 2 Coils, Independent Circuits, Add</i>	491.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009 EA 1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,665.35	790.56
For Flat Filter Box And Throwaway Filters, Add	410.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	786.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,173.78	
For Manual Roll Filter, Add	2,057.83	
For Automatic Roll Filter, Add	2,234.65	
For Hot Water Heating Coil, Aluminum Fins, Add	996.97	
For Electric Heating Coil, Add	1,704.21	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,704.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,527.40	
For Steam Heating Coil, Aluminum Fins, Add	1,350.59	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,117.32	
For Chilled Water Cooling Coil, Copper Fins, Add	2,057.83	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,881.02	
For Hot Water Heating Coil, Copper Fins, Add	1,350.59	
For Variable Air Volume, Add	495.07	
For Economizer, Panel, Controls And Damper(s), Add	1,371.02	
For 2 Coils, Independent Circuits, Add	537.26	
23 73 13 00-0010 EA 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,100.71	847.56
For Flat Filter Box And Throwaway Filters, Add	449.53	
For Medium Capacity Filter Box And Throwaway Filters, Add	862.73	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,288.04	
For Manual Roll Filter, Add	2,260.50	
For Automatic Roll Filter, Add	2,454.99	
For Hot Water Heating Coil, Aluminum Fins, Add	1,093.55	
For Electric Heating Coil, Add	1,871.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,871.52	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,677.02	
For Steam Heating Coil, Aluminum Fins, Add	1,482.53	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,227.50	
For Chilled Water Cooling Coil, Copper Fins, Add	2,260.50	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,066.01	
For Hot Water Heating Coil, Copper Fins, Add	1,482.53	
For Variable Air Volume, Add	544.58	
For Economizer, Panel, Controls And Damper(s), Add	1,415.98	
For 2 Coils, Independent Circuits, Add	587.87	
23 73 13 00-0011 EA 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,505.64	911.04
For Flat Filter Box And Throwaway Filters, Add	485.49	
For Medium Capacity Filter Box And Throwaway Filters, Add	931.94	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,391.40	
For Manual Roll Filter, Add	2,442.44	
For Automatic Roll Filter, Add	2,652.65	
For Hot Water Heating Coil, Aluminum Fins, Add	1,181.19	
For Electric Heating Coil, Add	2,022.02	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,022.02	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,811.82	
For Steam Heating Coil, Aluminum Fins, Add	1,601.61	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,326.32	
For Chilled Water Cooling Coil, Copper Fins, Add	2,442.44	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,232.23	
For Hot Water Heating Coil, Copper Fins, Add	1,601.61	
For Variable Air Volume, Add	588.58	
For Economizer, Panel, Controls And Damper(s), Add	1,465.81	
For 2 Coils, Independent Circuits, Add	634.65	
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,938.64	980.28
For Flat Filter Box And Throwaway Filters, Add	523.83	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,005.65	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,501.47	
For Manual Roll Filter, Add	2,636.01	
For Automatic Roll Filter, Add	2,862.92	
For Hot Water Heating Coil, Aluminum Fins, Add	1,274.56	
For Electric Heating Coil, Add	2,182.19	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,182.19	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,955.29	
For Steam Heating Coil, Aluminum Fins, Add	1,728.38	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,431.46	
For Chilled Water Cooling Coil, Copper Fins, Add	2,636.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,409.10	
For Hot Water Heating Coil, Copper Fins, Add	1,728.38	
For Variable Air Volume, Add	635.34	
For Economizer, Panel, Controls And Damper(s), Add	1,520.14	
For 2 Coils, Independent Circuits, Add	684.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,905.62	1,134.70
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	609.52	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,170.40	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,747.50	
			<i>For Manual Roll Filter, Add</i>	3,068.67	
			<i>For Automatic Roll Filter, Add</i>	3,332.90	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,483.26	
			<i>For Electric Heating Coil, Add</i>	2,540.20	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,540.20	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,275.97	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,011.73	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,666.45	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,068.67	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,804.43	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,011.73	
			<i>For Variable Air Volume, Add</i>	739.86	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,641.52	
			<i>For 2 Coils, Independent Circuits, Add</i>	796.26	
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,243.28	1,219.41
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	637.20	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,222.13	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,824.49	
			<i>For Manual Roll Filter, Add</i>	3,199.68	
			<i>For Automatic Roll Filter, Add</i>	3,474.72	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,549.45	
			<i>For Electric Heating Coil, Add</i>	2,649.60	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,649.60	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,374.57	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,099.53	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,737.36	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,199.68	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,924.64	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,099.53	
			<i>For Variable Air Volume, Add</i>	770.11	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,708.37	
			<i>For 2 Coils, Independent Circuits, Add</i>	834.34	
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,589.05	1,310.50
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	665.30	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,274.43	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,902.28	
			<i>For Manual Roll Filter, Add</i>	3,331.51	
			<i>For Automatic Roll Filter, Add</i>	3,617.35	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,616.44	
			<i>For Electric Heating Coil, Add</i>	2,759.82	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,759.82	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,473.97	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,188.13	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,808.68	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,331.51	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,045.66	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,188.13	
			<i>For Variable Air Volume, Add</i>	800.36	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,779.69	
			<i>For 2 Coils, Independent Circuits, Add</i>	873.24	
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,350.40	1,512.94
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	726.94	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,389.02	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,072.72	
			<i>For Manual Roll Filter, Add</i>	3,619.81	
			<i>For Automatic Roll Filter, Add</i>	3,929.23	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,763.30	
			<i>For Electric Heating Coil, Add</i>	3,000.97	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,000.97	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,691.55	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,382.14	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,964.62	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,619.81	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,310.39	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,382.14	
			<i>For Variable Air Volume, Add</i>	866.37	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,804.81	
			<i>For 2 Coils, Independent Circuits, Add</i>	958.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,350.40	1,512.94
For Flat Filter Box And Throwaway Filters, Add	726.94	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,389.02	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,072.72	
For Manual Roll Filter, Add	3,619.81	
For Automatic Roll Filter, Add	3,929.23	
For Hot Water Heating Coil, Aluminum Fins, Add	1,763.30	
For Electric Heating Coil, Add	3,000.97	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,000.97	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,691.55	
For Steam Heating Coil, Aluminum Fins, Add	2,382.14	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,964.62	
For Chilled Water Cooling Coil, Copper Fins, Add	3,619.81	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,310.39	
For Hot Water Heating Coil, Copper Fins, Add	2,382.14	
For Variable Air Volume, Add	866.37	
For Economizer, Panel, Controls And Damper(s), Add	1,804.81	
For 2 Coils, Independent Circuits, Add	958.81	
23 73 13 00-0018 EA 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,182.15	1,737.74
For Flat Filter Box And Throwaway Filters, Add	794.07	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,513.64	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,258.05	
For Manual Roll Filter, Add	3,932.84	
For Automatic Roll Filter, Add	4,267.80	
For Hot Water Heating Coil, Aluminum Fins, Add	1,923.09	
For Electric Heating Coil, Add	3,262.92	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,262.92	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,927.97	
For Steam Heating Coil, Aluminum Fins, Add	2,593.01	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,133.90	
For Chilled Water Cooling Coil, Copper Fins, Add	3,932.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,597.88	
For Hot Water Heating Coil, Copper Fins, Add	2,593.01	
For Variable Air Volume, Add	937.88	
For Economizer, Panel, Controls And Damper(s), Add	1,933.19	
For 2 Coils, Independent Circuits, Add	1,052.20	
23 73 13 00-0019 EA 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,668.13	1,885.31
For Flat Filter Box And Throwaway Filters, Add	832.12	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,583.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,361.66	
For Manual Roll Filter, Add	4,105.21	
For Automatic Roll Filter, Add	4,453.92	
For Hot Water Heating Coil, Aluminum Fins, Add	2,012.94	
For Electric Heating Coil, Add	3,407.79	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,407.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,059.08	
For Steam Heating Coil, Aluminum Fins, Add	2,710.37	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,226.96	
For Chilled Water Cooling Coil, Copper Fins, Add	4,105.21	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,756.50	
For Hot Water Heating Coil, Copper Fins, Add	2,710.37	
For Variable Air Volume, Add	976.39	
For Economizer, Panel, Controls And Damper(s), Add	2,017.57	
For 2 Coils, Independent Circuits, Add	1,106.30	
23 73 13 00-0020 EA 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,142.91	2,025.41
For Flat Filter Box And Throwaway Filters, Add	869.61	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,652.41	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,464.14	
For Manual Roll Filter, Add	4,276.45	
For Automatic Roll Filter, Add	4,638.92	
For Hot Water Heating Coil, Aluminum Fins, Add	2,101.68	
For Electric Heating Coil, Add	3,551.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,551.53	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,189.07	
For Steam Heating Coil, Aluminum Fins, Add	2,826.60	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,319.46	
For Chilled Water Cooling Coil, Copper Fins, Add	4,276.45	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,913.99	
For Hot Water Heating Coil, Copper Fins, Add	2,826.60	
For Variable Air Volume, Add	1,014.90	
For Economizer, Panel, Controls And Damper(s), Add	2,097.46	
For 2 Coils, Independent Circuits, Add	1,159.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,621.06	2,168.19
For Flat Filter Box And Throwaway Filters, Add	907.27	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,721.63	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,566.96	
For Manual Roll Filter, Add	4,448.04	
For Automatic Roll Filter, Add	4,824.25	
For Hot Water Heating Coil, Aluminum Fins, Add	2,190.75	
For Electric Heating Coil, Add	3,695.61	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,695.61	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,319.39	
For Steam Heating Coil, Aluminum Fins, Add	2,943.18	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,412.13	
For Chilled Water Cooling Coil, Copper Fins, Add	4,448.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,071.82	
For Hot Water Heating Coil, Copper Fins, Add	2,943.18	
For Variable Air Volume, Add	1,053.40	
For Economizer, Panel, Controls And Damper(s), Add	2,178.71	
For 2 Coils, Independent Circuits, Add	1,212.59	
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,172.82	2,333.86
For Flat Filter Box And Throwaway Filters, Add	950.57	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,801.12	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,685.01	
For Manual Roll Filter, Add	4,644.66	
For Automatic Roll Filter, Add	5,036.59	
For Hot Water Heating Coil, Aluminum Fins, Add	2,293.08	
For Electric Heating Coil, Add	3,860.80	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,860.80	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,468.87	
For Steam Heating Coil, Aluminum Fins, Add	3,076.94	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,518.30	
For Chilled Water Cooling Coil, Copper Fins, Add	4,644.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,252.73	
For Hot Water Heating Coil, Copper Fins, Add	3,076.94	
For Variable Air Volume, Add	1,097.41	
For Economizer, Panel, Controls And Damper(s), Add	2,273.68	
For 2 Coils, Independent Circuits, Add	1,274.05	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,734.28	2,500.60
For Flat Filter Box And Throwaway Filters, Add	994.36	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,881.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,804.02	
For Manual Roll Filter, Add	4,842.26	
For Automatic Roll Filter, Add	5,249.90	
For Hot Water Heating Coil, Aluminum Fins, Add	2,396.37	
For Electric Heating Coil, Add	4,026.96	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,026.96	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,619.31	
For Steam Heating Coil, Aluminum Fins, Add	3,211.67	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,624.95	
For Chilled Water Cooling Coil, Copper Fins, Add	4,842.26	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,434.61	
For Hot Water Heating Coil, Copper Fins, Add	3,211.67	
For Variable Air Volume, Add	1,141.41	
For Economizer, Panel, Controls And Damper(s), Add	2,254.40	
For 2 Coils, Independent Circuits, Add	1,336.49	
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,315.74	2,692.84
For Flat Filter Box And Throwaway Filters, Add	1,039.15	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,962.85	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,925.03	
For Manual Roll Filter, Add	5,041.85	
For Automatic Roll Filter, Add	5,465.21	
For Hot Water Heating Coil, Aluminum Fins, Add	2,501.67	
For Electric Heating Coil, Add	4,195.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,195.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,771.76	
For Steam Heating Coil, Aluminum Fins, Add	3,348.39	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,732.61	
For Chilled Water Cooling Coil, Copper Fins, Add	5,041.85	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,618.49	
For Hot Water Heating Coil, Copper Fins, Add	3,348.39	
For Variable Air Volume, Add	1,185.42	
For Economizer, Panel, Controls And Damper(s), Add	2,334.54	
For 2 Coils, Independent Circuits, Add	1,400.92	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,979.55	2,917.19
For Flat Filter Box And Throwaway Filters, Add	1,090.02	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,055.29	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,062.14	
For Manual Roll Filter, Add	5,267.36	
For Automatic Roll Filter, Add	5,708.41	
For Hot Water Heating Coil, Aluminum Fins, Add	2,621.09	
For Electric Heating Coil, Add	4,385.27	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,385.27	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,944.23	
For Steam Heating Coil, Aluminum Fins, Add	3,503.18	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,854.20	
For Chilled Water Cooling Coil, Copper Fins, Add	5,267.36	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,826.32	
For Hot Water Heating Coil, Copper Fins, Add	3,503.18	
For Variable Air Volume, Add	1,234.93	
For Economizer, Panel, Controls And Damper(s), Add	2,427.60	
For 2 Coils, Independent Circuits, Add	1,474.37	
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,625.01	3,114.61
For Flat Filter Box And Throwaway Filters, Add	1,139.98	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,146.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,197.41	
For Manual Roll Filter, Add	5,491.04	
For Automatic Roll Filter, Add	5,949.77	
For Hot Water Heating Coil, Aluminum Fins, Add	2,738.68	
For Electric Heating Coil, Add	4,573.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,573.59	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,114.86	
For Steam Heating Coil, Aluminum Fins, Add	3,656.13	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,974.88	
For Chilled Water Cooling Coil, Copper Fins, Add	5,491.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,032.31	
For Hot Water Heating Coil, Copper Fins, Add	3,656.13	
For Variable Air Volume, Add	1,284.43	
For Economizer, Panel, Controls And Damper(s), Add	2,515.14	
For 2 Coils, Independent Circuits, Add	1,545.99	
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,644.89	3,015.75
For Flat Filter Box And Throwaway Filters, Add	1,149.81	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,170.82	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,234.76	
For Manual Roll Filter, Add	5,572.59	
For Automatic Roll Filter, Add	6,040.16	
For Hot Water Heating Coil, Aluminum Fins, Add	2,767.19	
For Electric Heating Coil, Add	4,637.46	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,637.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,169.89	
For Steam Heating Coil, Aluminum Fins, Add	3,702.32	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,020.08	
For Chilled Water Cooling Coil, Copper Fins, Add	5,572.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,105.03	
For Hot Water Heating Coil, Copper Fins, Add	3,702.32	
For Variable Air Volume, Add	1,309.19	
For Economizer, Panel, Controls And Damper(s), Add	2,468.07	
For 2 Coils, Independent Circuits, Add	1,551.52	
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,307.00	3,345.88
For Flat Filter Box And Throwaway Filters, Add	1,191.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,240.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,336.33	
For Manual Roll Filter, Add	5,718.37	
For Automatic Roll Filter, Add	6,194.78	
For Hot Water Heating Coil, Aluminum Fins, Add	2,659.92	
For Electric Heating Coil, Add	4,765.55	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,765.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,289.15	
For Steam Heating Coil, Aluminum Fins, Add	3,812.74	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,097.39	
For Chilled Water Cooling Coil, Copper Fins, Add	5,718.37	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,241.96	
For Hot Water Heating Coil, Copper Fins, Add	3,812.74	
For Variable Air Volume, Add	1,333.94	
For Economizer, Panel, Controls And Damper(s), Add	2,613.66	
For 2 Coils, Independent Circuits, Add	1,621.26	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,047.67 1,257.28 2,366.06 3,524.34 6,048.81 6,553.70 3,019.45 5,039.02 5,039.02 4,534.13 4,029.23 3,276.85 6,048.81 5,543.92 4,029.23 1,413.70 2,389.96 1,706.72	3,480.28
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,835.90 1,325.18 2,495.30 3,717.11 6,384.01 6,917.39 3,183.73 5,317.25 5,317.25 4,783.87 4,250.49 3,458.70 6,384.01 5,850.63 4,250.49 1,493.46 2,433.66 1,796.94	3,615.06
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,658.57 1,398.72 2,637.17 3,929.04 6,758.01 7,323.81 3,363.24 5,626.42 5,626.42 5,060.63 4,494.83 3,661.90 6,758.01 6,192.22 4,494.83 1,584.23 2,468.53 1,892.18	3,754.10
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	17,523.70 1,474.40 2,782.01 4,145.21 7,136.26 7,734.48 3,547.00 5,939.84 5,939.84 5,341.63 4,743.42 3,867.24 7,136.26 6,538.05 4,743.42 1,674.99 2,511.90 1,991.65	3,893.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033 EA 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	19,482.50 1,649.94 3,120.88 5,327.31 7,625.06 8,030.55 3,299.87 3,570.20 6,003.12 5,327.31 4,651.49 3,677.37 7,354.74 6,678.93 5,327.31 1,892.27 2,779.10 2,218.57	4,173.89
23 73 13 00-0034 EA 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	21,576.59 1,835.19 3,476.89 5,939.45 8,511.07 8,964.88 3,670.38 3,972.92 6,695.81 5,939.45 5,183.09 4,104.26 8,208.52 7,452.17 5,939.45 2,117.80 2,863.65 2,460.20	4,498.31
23 73 13 00-0035 EA 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	23,844.85 2,039.95 3,873.19 6,623.04 9,505.25 10,013.88 4,079.91 4,418.99 7,470.75 6,623.04 5,775.33 4,583.08 9,166.17 8,318.46 6,623.04 2,373.59 2,940.86 2,723.57	4,819.85
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	29,101.47 2,539.51 4,856.65 8,332.35 12,019.45 12,670.11 5,079.03 5,512.80 9,416.79 8,332.35 7,247.91 5,792.84 11,585.67 10,501.23 8,332.35 3,036.43 3,032.22 3,343.92	5,190.85

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	32,426.89 2,847.23 5,457.20 9,372.14 13,540.16 14,275.69 5,694.47 6,184.82 10,598.03 9,372.14 8,146.25 6,524.90 13,049.81 11,823.92 9,372.14 3,432.49 2,951.37 3,733.04	5,540.47
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	35,492.50 3,123.30 5,991.03 10,292.63 14,878.12 15,687.33 6,246.60 6,786.07 11,641.30 10,292.63 8,943.95 7,169.33 14,338.65 12,989.98 10,292.63 3,776.29 3,042.85 4,088.72	5,966.26
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	38,920.78 3,429.29 6,580.90 11,308.32 16,351.36 17,241.31 6,858.57 7,451.87 12,791.56 11,308.32 9,825.07 7,879.03 15,758.06 14,274.81 11,308.32 4,153.09 3,153.37 4,485.38	6,754.35
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	41,854.84 3,694.85 7,095.31 12,196.00 17,643.16 18,604.42 7,389.69 8,030.53 13,798.11 12,196.00 10,593.90 8,501.16 17,002.32 15,400.21 12,196.00 4,485.89 3,236.91 4,826.33	6,872.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041 EA 40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	45,133.43 3,986.47 7,656.82 13,162.35 19,043.67 20,081.55 7,972.95 8,664.87 14,892.15 13,162.35 11,432.55 9,175.88 18,351.75 16,621.95 13,162.35 4,643.44 3,147.18 5,205.26	7,351.57
23 73 13 00-0042 EA 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	48,705.98 4,303.60 8,267.01 14,212.11 20,564.34 21,685.33 8,607.20 9,354.53 16,080.42 14,212.11 12,343.81 9,908.51 19,817.02 17,948.72 14,212.11 5,231.25 3,247.49 5,617.92	7,937.65
23 73 13 00-0043 EA 47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	50,748.38 4,482.34 8,609.18 14,799.44 21,412.17 22,579.13 8,964.68 9,742.65 16,744.36 14,799.44 12,854.52 10,317.10 20,634.21 18,689.29 14,799.44 5,445.78 3,311.25 5,852.81	8,310.47
23 73 13 00-0044 EA 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	52,671.11 4,651.17 8,932.76 15,355.16 22,215.04 23,425.60 9,302.33 10,109.38 17,372.77 15,355.16 13,337.55 10,704.00 21,407.99 19,390.38 15,355.16 5,649.31 3,369.86 6,074.16	8,630.11

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	56,765.45 5,017.96 9,640.77 16,574.98 23,985.91 25,293.72 10,035.92 10,907.79 18,754.66 16,574.98 14,395.29 11,557.02 23,114.04 20,934.35 16,574.98 6,103.12 3,476.47 6,548.42	9,216.11
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	62,028.61 5,498.20 10,573.61 18,186.72 26,335.74 27,773.80 10,996.40 11,955.11 20,583.49 18,186.72 15,789.95 12,688.51 25,377.03 22,980.26 18,186.72 6,710.96 3,309.32 7,161.57	9,855.37
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	67,949.63 6,033.93 11,611.24 19,977.21 28,941.13 30,523.00 12,067.86 13,122.44 22,613.65 19,977.21 17,340.76 13,943.28 27,886.55 25,250.10 19,977.21 7,382.06 3,422.07 7,849.54	10,654.46
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	74,557.81 6,628.57 12,760.82 21,959.19 31,821.51 33,561.92 13,257.15 14,417.42 24,859.88 21,959.19 19,058.51 15,330.62 30,661.24 27,760.56 21,959.19 8,121.91 3,554.42 8,616.05	11,560.09

23 73 13 00-0049**Multi-Zone Units** (23 73 13)

Note: Horizontal/vertical blow-thru fan, motor and cabinet.



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	4,512.69	958.75
23 73	13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	5,625.46	1,201.14
23 73	13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	6,894.70	1,278.38
23 73	13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	7,180.88	1,368.95
23 73	13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	8,363.48	1,467.50
23 73	13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	8,826.24	1,571.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,312.22	1,678.01
For Economizer, Panel, Controls And Damper(s), Add	2,317.87	
For Flat Filter Box And Throwaway Filters, Add	811.37	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,550.84	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,968.51	
For Manual Roll Filter, Add	4,043.09	
For Automatic Roll Filter, Add	4,043.09	
For Hot Water Heating Coil, Aluminum Fins, Add	931.22	
For Electric Heating Coil, Add	1,069.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,351.57	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,351.57	
For Chilled Water Cooling Coil, Copper Fins, Add	4,043.09	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,043.09	
For 2 Coils, Independent Circuits, Add	1,069.53	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,366.05	1,800.61
For Economizer, Panel, Controls And Damper(s), Add	2,161.70	
For Flat Filter Box And Throwaway Filters, Add	908.27	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,739.54	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,206.50	
For Manual Roll Filter, Add	4,546.30	
For Automatic Roll Filter, Add	4,546.30	
For Hot Water Heating Coil, Aluminum Fins, Add	1,036.61	
For Electric Heating Coil, Add	1,192.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,766.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,766.37	
For Chilled Water Cooling Coil, Copper Fins, Add	4,546.30	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,546.30	
For 2 Coils, Independent Circuits, Add	1,192.59	
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,320.38	1,928.31
For Economizer, Panel, Controls And Damper(s), Add	2,265.18	
For Flat Filter Box And Throwaway Filters, Add	994.29	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,905.94	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,416.86	
For Manual Roll Filter, Add	4,986.52	
For Automatic Roll Filter, Add	4,986.52	
For Hot Water Heating Coil, Aluminum Fins, Add	1,132.04	
For Electric Heating Coil, Add	1,303.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,129.97	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,129.97	
For Chilled Water Cooling Coil, Copper Fins, Add	4,986.52	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,986.52	
For 2 Coils, Independent Circuits, Add	1,303.35	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,972.53	2,059.50
For Economizer, Panel, Controls And Damper(s), Add	2,364.54	
For Flat Filter Box And Throwaway Filters, Add	1,050.48	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,012.89	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,552.80	
For Manual Roll Filter, Add	5,263.91	
For Automatic Roll Filter, Add	5,263.91	
For Hot Water Heating Coil, Aluminum Fins, Add	1,197.25	
For Electric Heating Coil, Add	1,377.99	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,360.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,360.21	
For Chilled Water Cooling Coil, Copper Fins, Add	5,263.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,263.91	
For 2 Coils, Independent Circuits, Add	1,377.99	
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,183.71	2,200.30
For Economizer, Panel, Controls And Damper(s), Add	2,479.62	
For Flat Filter Box And Throwaway Filters, Add	1,161.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,227.92	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,824.21	
For Manual Roll Filter, Add	5,835.89	
For Automatic Roll Filter, Add	5,835.89	
For Hot Water Heating Coil, Aluminum Fins, Add	1,318.37	
For Electric Heating Coil, Add	1,519.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,832.00	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,832.00	
For Chilled Water Cooling Coil, Copper Fins, Add	5,835.89	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,835.89	
For 2 Coils, Independent Circuits, Add	1,519.15	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,031.28	2,354.79
For Economizer, Panel, Controls And Damper(s), Add	2,600.02	
For Flat Filter Box And Throwaway Filters, Add	1,234.94	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,368.98	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,003.27	
For Manual Roll Filter, Add	6,203.55	
For Automatic Roll Filter, Add	6,203.55	
For Hot Water Heating Coil, Aluminum Fins, Add	1,403.13	
For Electric Heating Coil, Add	1,616.48	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,136.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,136.79	
For Chilled Water Cooling Coil, Copper Fins, Add	6,203.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,203.55	
For 2 Coils, Independent Circuits, Add	1,616.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,378.50	2,557.07
For Economizer, Panel, Controls And Damper(s), Add	2,757.52	
For Flat Filter Box And Throwaway Filters, Add	1,355.35	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,601.19	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,297.12	
For Manual Roll Filter, Add	6,815.66	
For Automatic Roll Filter, Add	6,815.66	
For Hot Water Heating Coil, Aluminum Fins, Add	1,537.85	
For Electric Heating Coil, Add	1,772.42	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,642.81	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,642.81	
For Chilled Water Cooling Coil, Copper Fins, Add	6,815.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,815.66	
For 2 Coils, Independent Circuits, Add	1,772.42	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,525.86	2,754.25
For Economizer, Panel, Controls And Damper(s), Add	2,913.14	
For Flat Filter Box And Throwaway Filters, Add	1,455.94	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,793.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,541.52	
For Manual Roll Filter, Add	7,319.38	
For Automatic Roll Filter, Add	7,319.38	
For Hot Water Heating Coil, Aluminum Fins, Add	1,652.59	
For Electric Heating Coil, Add	1,904.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,060.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,060.09	
For Chilled Water Cooling Coil, Copper Fins, Add	7,319.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,319.38	
For 2 Coils, Independent Circuits, Add	1,904.44	
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,368.95	2,977.92
For Economizer, Panel, Controls And Damper(s), Add	2,638.26	
For Flat Filter Box And Throwaway Filters, Add	1,524.61	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,921.86	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,705.39	
For Manual Roll Filter, Add	7,642.38	
For Automatic Roll Filter, Add	7,642.38	
For Hot Water Heating Coil, Aluminum Fins, Add	1,736.90	
For Electric Heating Coil, Add	1,999.36	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,330.05	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,330.05	
For Chilled Water Cooling Coil, Copper Fins, Add	7,642.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,642.38	
For 2 Coils, Independent Circuits, Add	1,999.36	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,247.12	3,212.16
For Economizer, Panel, Controls And Damper(s), Add	2,776.58	
For Flat Filter Box And Throwaway Filters, Add	1,695.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,252.54	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,123.06	
For Manual Roll Filter, Add	8,519.76	
For Automatic Roll Filter, Add	8,519.76	
For Hot Water Heating Coil, Aluminum Fins, Add	1,924.71	
For Electric Heating Coil, Add	2,217.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,054.20	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,054.20	
For Chilled Water Cooling Coil, Copper Fins, Add	8,519.76	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,519.76	
For 2 Coils, Independent Circuits, Add	2,217.83	
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,293.06	3,462.55
For Economizer, Panel, Controls And Damper(s), Add	2,919.92	
For Flat Filter Box And Throwaway Filters, Add	1,781.82	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,415.14	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,330.80	
For Manual Roll Filter, Add	8,933.77	
For Automatic Roll Filter, Add	8,933.77	
For Hot Water Heating Coil, Aluminum Fins, Add	2,029.31	
For Electric Heating Coil, Add	2,336.17	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,399.45	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,399.45	
For Chilled Water Cooling Coil, Copper Fins, Add	8,933.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,933.77	
For 2 Coils, Independent Circuits, Add	2,336.17	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,450.03	3,750.37
For Economizer, Panel, Controls And Damper(s), Add	3,076.23	
For Flat Filter Box And Throwaway Filters, Add	1,877.97	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,595.73	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,561.42	
For Manual Roll Filter, Add	9,394.26	
For Automatic Roll Filter, Add	9,394.26	
For Hot Water Heating Coil, Aluminum Fins, Add	2,145.00	
For Electric Heating Coil, Add	2,467.19	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,783.31	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,783.31	
For Chilled Water Cooling Coil, Copper Fins, Add	9,394.26	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,394.26	
For 2 Coils, Independent Circuits, Add	2,467.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,702.24	4,048.47
For Economizer, Panel, Controls And Damper(s), Add	2,916.20	
For Flat Filter Box And Throwaway Filters, Add	1,980.86	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,788.10	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,807.46	
For Manual Roll Filter, Add	9,881.94	
For Automatic Roll Filter, Add	9,881.94	
For Hot Water Heating Coil, Aluminum Fins, Add	2,270.22	
For Electric Heating Coil, Add	2,608.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,190.45	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,190.45	
For Chilled Water Cooling Coil, Copper Fins, Add	9,881.94	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,881.94	
For 2 Coils, Independent Circuits, Add	2,608.52	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,356.01	4,203.19
For Economizer, Panel, Controls And Damper(s), Add	2,985.61	
For Flat Filter Box And Throwaway Filters, Add	2,034.67	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,888.77	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,936.20	
For Manual Roll Filter, Add	10,137.39	
For Automatic Roll Filter, Add	10,137.39	
For Hot Water Heating Coil, Aluminum Fins, Add	2,335.60	
For Electric Heating Coil, Add	2,682.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,403.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,403.66	
For Chilled Water Cooling Coil, Copper Fins, Add	10,137.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,137.39	
For 2 Coils, Independent Circuits, Add	2,682.35	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,975.01	4,353.19
For Economizer, Panel, Controls And Damper(s), Add	3,044.60	
For Flat Filter Box And Throwaway Filters, Add	2,086.73	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,987.01	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,061.45	
For Manual Roll Filter, Add	10,389.36	
For Automatic Roll Filter, Add	10,389.36	
For Hot Water Heating Coil, Aluminum Fins, Add	2,397.50	
For Electric Heating Coil, Add	2,752.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,613.39	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,613.39	
For Chilled Water Cooling Coil, Copper Fins, Add	10,389.36	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,389.36	
For 2 Coils, Independent Circuits, Add	2,752.69	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,996.15	4,528.15
For Economizer, Panel, Controls And Damper(s), Add	2,697.22	
For Flat Filter Box And Throwaway Filters, Add	2,375.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,556.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,776.13	
For Manual Roll Filter, Add	11,929.15	
For Automatic Roll Filter, Add	11,929.15	
For Hot Water Heating Coil, Aluminum Fins, Add	2,699.62	
For Electric Heating Coil, Add	3,109.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,878.14	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,878.14	
For Chilled Water Cooling Coil, Copper Fins, Add	11,929.15	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,929.15	
For 2 Coils, Independent Circuits, Add	3,109.82	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,988.65	4,707.52
For Economizer, Panel, Controls And Damper(s), Add	2,912.43	
For Flat Filter Box And Throwaway Filters, Add	2,662.46	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,123.07	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,487.94	
For Manual Roll Filter, Add	13,466.08	
For Automatic Roll Filter, Add	13,466.08	
For Hot Water Heating Coil, Aluminum Fins, Add	2,998.87	
For Electric Heating Coil, Add	3,464.07	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,140.03	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,140.03	
For Chilled Water Cooling Coil, Copper Fins, Add	13,466.08	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,466.08	
For 2 Coils, Independent Circuits, Add	3,464.07	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,331.43	4,885.07
For Economizer, Panel, Controls And Damper(s), Add	2,955.60	
For Flat Filter Box And Throwaway Filters, Add	3,084.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,959.56	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,536.63	
For Manual Roll Filter, Add	15,743.61	
For Automatic Roll Filter, Add	15,743.61	
For Hot Water Heating Coil, Aluminum Fins, Add	3,433.14	
For Electric Heating Coil, Add	3,980.27	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,007.95	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,007.95	
For Chilled Water Cooling Coil, Copper Fins, Add	15,743.61	
For Direct Expansion Cooling Coil, Copper Fins, Add	15,743.61	
For 2 Coils, Independent Circuits, Add	3,980.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,677.71	5,060.87
For Economizer, Panel, Controls And Damper(s), Add	2,999.38	
For Flat Filter Box And Throwaway Filters, Add	3,506.52	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,796.29	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,585.68	
For Manual Roll Filter, Add	18,021.49	
For Automatic Roll Filter, Add	18,021.49	
For Hot Water Heating Coil, Aluminum Fins, Add	3,867.77	
For Electric Heating Coil, Add	4,496.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,876.22	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,876.22	
For Chilled Water Cooling Coil, Copper Fins, Add	18,021.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	18,021.49	
For 2 Coils, Independent Circuits, Add	4,496.83	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,375.74	5,487.05
For Economizer, Panel, Controls And Damper(s), Add	3,106.43	
For Flat Filter Box And Throwaway Filters, Add	3,945.74	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,879.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,668.43	
For Manual Roll Filter, Add	14,999.28	
For Automatic Roll Filter, Add	18,553.18	
For Hot Water Heating Coil, Aluminum Fins, Add	4,337.57	
For Electric Heating Coil, Add	5,048.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,999.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,999.28	
For Steam Heating Coil, Aluminum Fins, Add	7,891.48	
For Chilled Water Cooling Coil, Copper Fins, Add	18,553.18	
For Direct Expansion Cooling Coil, Copper Fins, Add	18,553.18	
For 2 Coils, Independent Circuits, Add	5,048.35	
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,785.89	5,966.50
For Economizer, Panel, Controls And Damper(s), Add	3,036.53	
For Flat Filter Box And Throwaway Filters, Add	4,254.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,339.74	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,424.95	
For Manual Roll Filter, Add	16,171.30	
For Automatic Roll Filter, Add	20,002.21	
For Hot Water Heating Coil, Aluminum Fins, Add	4,678.59	
For Electric Heating Coil, Add	5,444.77	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,171.30	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,171.30	
For Steam Heating Coil, Aluminum Fins, Add	8,509.49	
For Chilled Water Cooling Coil, Copper Fins, Add	20,002.21	
For Direct Expansion Cooling Coil, Copper Fins, Add	20,002.21	
For 2 Coils, Independent Circuits, Add	5,444.77	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	55,648.41	6,445.72
For Economizer, Panel, Controls And Damper(s), Add	3,145.91	
For Flat Filter Box And Throwaway Filters, Add	5,104.54	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,610.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	12,531.19	
For Manual Roll Filter, Add	19,497.55	
For Automatic Roll Filter, Add	24,141.78	
For Hot Water Heating Coil, Aluminum Fins, Add	5,564.84	
For Electric Heating Coil, Add	6,493.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	19,497.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	19,497.55	
For Steam Heating Coil, Aluminum Fins, Add	10,209.08	
For Chilled Water Cooling Coil, Copper Fins, Add	24,141.78	
For Direct Expansion Cooling Coil, Copper Fins, Add	24,141.78	
For 2 Coils, Independent Circuits, Add	6,493.69	
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	62,821.86	6,978.67
For Economizer, Panel, Controls And Damper(s), Add	3,258.31	
For Flat Filter Box And Throwaway Filters, Add	5,784.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,626.85	
For Combination Filter Mixing Box And Throwaway Filters, Add	14,212.16	
For Manual Roll Filter, Add	22,142.13	
For Automatic Roll Filter, Add	27,428.78	
For Hot Water Heating Coil, Aluminum Fins, Add	6,282.19	
For Electric Heating Coil, Add	7,339.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	22,142.13	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,142.13	
For Steam Heating Coil, Aluminum Fins, Add	11,568.84	
For Chilled Water Cooling Coil, Copper Fins, Add	27,428.78	
For Direct Expansion Cooling Coil, Copper Fins, Add	27,428.78	
For 2 Coils, Independent Circuits, Add	7,339.52	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	68,081.29	7,511.62
For Economizer, Panel, Controls And Damper(s), Add	3,375.34	
For Flat Filter Box And Throwaway Filters, Add	6,271.35	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,353.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,409.98	
For Manual Roll Filter, Add	24,011.84	
For Automatic Roll Filter, Add	29,746.41	
For Hot Water Heating Coil, Aluminum Fins, Add	6,808.13	
For Electric Heating Coil, Add	7,955.04	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,011.84	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,011.84	
For Steam Heating Coil, Aluminum Fins, Add	12,542.70	
For Chilled Water Cooling Coil, Copper Fins, Add	29,746.41	
For Direct Expansion Cooling Coil, Copper Fins, Add	29,746.41	
For 2 Coils, Independent Circuits, Add	7,955.04	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	76,196.44	8,789.70
For Economizer, Panel, Controls And Damper(s), Add	3,398.06	
For Flat Filter Box And Throwaway Filters, Add	6,992.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,425.91	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,167.44	
For Manual Roll Filter, Add	26,715.23	
For Automatic Roll Filter, Add	33,080.43	
For Hot Water Heating Coil, Aluminum Fins, Add	7,619.64	
For Electric Heating Coil, Add	8,892.68	
For Chilled Water Cooling Coil, Aluminum Fins, Add	26,715.23	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,715.23	
For Steam Heating Coil, Aluminum Fins, Add	13,984.84	
For Chilled Water Cooling Coil, Copper Fins, Add	33,080.43	
For Direct Expansion Cooling Coil, Copper Fins, Add	33,080.43	
For 2 Coils, Independent Circuits, Add	8,892.68	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	76,665.63	9,109.56
For Economizer, Panel, Controls And Damper(s), Add	3,456.71	
For Flat Filter Box And Throwaway Filters, Add	7,015.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,458.75	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,214.36	
For Manual Roll Filter, Add	26,762.15	
For Automatic Roll Filter, Add	33,127.35	
For Hot Water Heating Coil, Aluminum Fins, Add	7,666.56	
For Electric Heating Coil, Add	8,939.60	
For Chilled Water Cooling Coil, Aluminum Fins, Add	26,762.15	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,762.15	
For Steam Heating Coil, Aluminum Fins, Add	14,031.76	
For Chilled Water Cooling Coil, Copper Fins, Add	33,127.35	
For Direct Expansion Cooling Coil, Copper Fins, Add	33,127.35	
For 2 Coils, Independent Circuits, Add	8,939.60	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	80,160.23	9,428.89
For Economizer, Panel, Controls And Damper(s), Add	3,515.36	
For Flat Filter Box And Throwaway Filters, Add	7,341.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,945.41	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,017.63	
For Manual Roll Filter, Add	28,019.24	
For Automatic Roll Filter, Add	34,686.98	
For Hot Water Heating Coil, Aluminum Fins, Add	8,016.02	
For Electric Heating Coil, Add	9,349.57	
For Chilled Water Cooling Coil, Aluminum Fins, Add	28,019.24	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,019.24	
For Steam Heating Coil, Aluminum Fins, Add	14,683.76	
For Chilled Water Cooling Coil, Copper Fins, Add	34,686.98	
For Direct Expansion Cooling Coil, Copper Fins, Add	34,686.98	
For 2 Coils, Independent Circuits, Add	9,349.57	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	83,936.67	10,121.73
For Economizer, Panel, Controls And Damper(s), Add	3,636.24	
For Flat Filter Box And Throwaway Filters, Add	7,671.17	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,434.50	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,816.68	
For Manual Roll Filter, Add	29,239.68	
For Automatic Roll Filter, Add	36,188.36	
For Hot Water Heating Coil, Aluminum Fins, Add	8,393.67	
For Electric Heating Coil, Add	9,783.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	29,239.68	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,239.68	
For Steam Heating Coil, Aluminum Fins, Add	15,342.34	
For Chilled Water Cooling Coil, Copper Fins, Add	36,188.36	
For Direct Expansion Cooling Coil, Copper Fins, Add	36,188.36	
For 2 Coils, Independent Circuits, Add	9,783.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	90,376.56	10,654.46
For Economizer, Panel, Controls And Damper(s), Add	3,724.16	
For Flat Filter Box And Throwaway Filters, Add	8,279.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,344.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,321.14	
For Manual Roll Filter, Add	31,604.63	
For Automatic Roll Filter, Add	39,126.96	
For Hot Water Heating Coil, Aluminum Fins, Add	9,037.66	
For Electric Heating Coil, Add	10,542.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	31,604.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,604.63	
For Steam Heating Coil, Aluminum Fins, Add	16,559.98	
For Chilled Water Cooling Coil, Copper Fins, Add	39,126.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	39,126.96	
For 2 Coils, Independent Circuits, Add	10,542.12	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	97,116.55	11,240.45
For Economizer, Panel, Controls And Damper(s), Add	3,507.82	
For Flat Filter Box And Throwaway Filters, Add	8,907.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	13,281.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	21,867.41	
For Manual Roll Filter, Add	34,023.17	
For Automatic Roll Filter, Add	42,127.00	
For Hot Water Heating Coil, Aluminum Fins, Add	9,711.66	
For Electric Heating Coil, Add	11,332.42	
For Chilled Water Cooling Coil, Aluminum Fins, Add	34,023.17	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	34,023.17	
For Steam Heating Coil, Aluminum Fins, Add	17,815.49	
For Chilled Water Cooling Coil, Copper Fins, Add	42,127.00	
For Direct Expansion Cooling Coil, Copper Fins, Add	42,127.00	
For 2 Coils, Independent Circuits, Add	11,332.42	
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	104,559.51	11,932.99
For Economizer, Panel, Controls And Damper(s), Add	3,603.81	
For Flat Filter Box And Throwaway Filters, Add	9,604.05	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,320.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,584.17	
For Manual Roll Filter, Add	36,712.38	
For Automatic Roll Filter, Add	45,464.53	
For Hot Water Heating Coil, Aluminum Fins, Add	10,455.95	
For Electric Heating Coil, Add	12,206.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	36,712.38	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,712.38	
For Steam Heating Coil, Aluminum Fins, Add	19,208.10	
For Chilled Water Cooling Coil, Copper Fins, Add	45,464.53	
For Direct Expansion Cooling Coil, Copper Fins, Add	45,464.53	
For 2 Coils, Independent Circuits, Add	12,206.38	
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	112,007.64	12,252.63
For Economizer, Panel, Controls And Damper(s), Add	3,647.27	
For Flat Filter Box And Throwaway Filters, Add	10,327.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,403.33	
For Combination Filter Mixing Box And Throwaway Filters, Add	25,381.01	
For Manual Roll Filter, Add	39,561.25	
For Automatic Roll Filter, Add	49,014.74	
For Hot Water Heating Coil, Aluminum Fins, Add	11,200.76	
For Electric Heating Coil, Add	13,091.46	
For Chilled Water Cooling Coil, Aluminum Fins, Add	39,561.25	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,561.25	
For Steam Heating Coil, Aluminum Fins, Add	20,654.26	
For Chilled Water Cooling Coil, Copper Fins, Add	49,014.74	
For Direct Expansion Cooling Coil, Copper Fins, Add	49,014.74	
For 2 Coils, Independent Circuits, Add	13,091.46	
23 73 13 00-0088 Return/Supply Air Fan <small>(23 73 13)</small>		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan.....	1,954.01	426.10
23 73 13 00-0090 EA 500 CFM Return Air Fan.....	2,522.88	511.34
23 73 13 00-0091 EA 750 CFM Return Air Fan.....	2,634.83	532.65
23 73 13 00-0092 EA 1,000 CFM Return Air Fan.....	2,996.01	564.61
23 73 13 00-0093 EA 1,250 CFM Return Air Fan.....	3,089.72	591.25
23 73 13 00-0094 EA 1,500 CFM Return Air Fan.....	3,164.78	617.88
23 73 13 00-0095 EA 1,750 CFM Return Air Fan.....	3,321.88	649.84
23 73 13 00-0096 EA 2,000 CFM Return Air Fan.....	3,683.04	681.81
23 73 13 00-0097 EA 2,250 CFM Return Air Fan.....	3,858.61	713.77
23 73 13 00-0098 EA 2,500 CFM Return Air Fan.....	3,959.96	745.74
23 73 13 00-0099 EA 3,000 CFM Return Air Fan.....	4,203.78	825.64
23 73 13 00-0100 EA 3,500 CFM Return Air Fan.....	4,320.48	868.26
23 73 13 00-0101 EA 4,000 CFM Return Air Fan.....	4,429.39	905.55
23 73 13 00-0102 EA 4,500 CFM Return Air Fan.....	4,564.64	948.25
23 73 13 00-0103 EA 5,000 CFM Return Air Fan.....	4,688.71	996.19
23 73 13 00-0104 EA 5,500 CFM Return Air Fan.....	4,930.21	1,113.39
23 73 13 00-0105 EA 6,000 CFM Return Air Fan.....	5,616.65	1,321.15
23 73 13 00-0106 EA 6,500 CFM Return Air Fan.....	5,758.90	1,342.46
23 73 13 00-0107 EA 7,000 CFM Return Air Fan.....	5,821.84	1,347.79
23 73 13 00-0108 EA 8,000 CFM Return Air Fan.....	6,112.54	1,369.10
23 73 13 00-0109 EA 9,000 CFM Return Air Fan.....	6,244.19	1,385.08
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	6,564.14	1,438.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111	EA		12,500 CFM Return Air Fan.....	6,971.95	1,464.91
23 73 13 00-0112	EA		15,000 CFM Return Air Fan.....	7,830.45	1,506.54
23 73 13 00-0113	EA		17,500 CFM Return Air Fan.....	8,521.14	1,587.44
23 73 13 00-0114	EA		20,000 CFM Return Air Fan.....	10,067.15	1,656.54
23 73 13 00-0115	EA		22,500 CFM Return Air Fan.....	10,544.59	1,714.31
23 73 13 00-0116	EA		25,000 CFM Return Air Fan.....	11,013.65	1,763.31
23 73 13 00-0117	EA		27,500 CFM Return Air Fan.....	11,694.50	1,939.11
23 73 13 00-0118	EA		30,000 CFM Return Air Fan.....	12,495.42	2,045.50
23 73 13 00-0119	EA		35,000 CFM Return Air Fan.....	14,046.79	2,130.66
23 73 13 00-0120	EA		40,000 CFM Return Air Fan.....	16,503.84	2,343.75
23 73 13 00-0121	EA		45,000 CFM Return Air Fan.....	20,244.23	2,663.39
23 73 13 00-0122	EA		50,000 CFM Return Air Fan.....	24,501.27	2,759.51
23 73 13 00-0123	EA		55,000 CFM Return Air Fan.....	25,632.02	2,839.18
23 73 13 00-0124	EA		60,000 CFM Return Air Fan.....	26,225.32	2,913.77
23 73 13 00-0125	EA		65,000 CFM Return Air Fan.....	27,498.25	3,041.54
23 73 13 00-0126	EA		70,000 CFM Return Air Fan.....	28,881.69	3,191.32
23 73 13 00-0127	EA		75,000 CFM Return Air Fan.....	31,040.62	3,347.86
23 73 13 00-0128	EA		80,000 CFM Return Air Fan.....	32,426.02	3,525.33
23 73 13 00-0129	EA		90,000 CFM Return Air Fan.....	33,505.80	3,726.09
23 73 13 00-0130	EA		100,000 CFM Return Air Fan.....	35,994.09	3,896.64
23 73 13 00-0131	EA		115,000 CFM Return Air Fan.....	38,691.23	4,083.02
23 73 13 00-0132	EA		130,000 CFM Return Air Fan.....	41,619.27	4,288.72
23 73 13 00-0133	EA		150,000 CFM Return Air Fan.....	45,487.55	4,517.19

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit ^(23 73 13)

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA		Remove And Reinstall Air Handling Unit Up To 11,500 CFM.....	1,951.36	
23 73 13 00-0136	EA		Remove And Reinstall Air Handling Unit, >11,500 To 16,500 CFM.....	2,647.07	
23 73 13 00-0137	EA		Remove And Reinstall Air Handling Unit, >16,500 To 22,000 CFM.....	3,292.93	
23 73 13 00-0138	EA		Remove And Reinstall Air Handling Unit, >22,000 CFM.....	6,008.15	

23 74 Packaged Outdoor HVAC Equipment ^(23 70)

23 74 13 Packaged, Outdoor, Central-Station Air-Handling Units ^(23 74)

Note: Includes throwaway filters, filter rack, and manual outside air damper. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.

23 74 13 00-0001 Electric Cooling, Electric Heat, Packaged, Outdoor, Central-Station Air-Handling Units ^(23 74 13)

23 74 13 00-0002 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Unit ^(23 74 13 00-0001)

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 10.3 EER, >11 to 19 tons have 9.7 EER, >19 to 63 tons have 9.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 26 28 16 00-0001 for disconnects.

23 74 13 00-0003	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	2,800.99	265.35
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-340.54	
			For Unit Economizer, Add	325.50	
			For Equipment Base Roof Curbs, Add	223.34	
23 74 13 00-0004	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,110.50	356.34
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-510.81	
			For Unit Economizer, Add	479.16	
			For Equipment Base Roof Curbs, Add	325.92	
23 74 13 00-0005	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,109.88	409.41
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-643.66	
			For Unit Economizer, Add	596.81	
			For Equipment Base Roof Curbs, Add	403.71	
23 74 13 00-0006	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,250.88	439.73
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-804.57	
			For Unit Economizer, Add	732.36	
			For Equipment Base Roof Curbs, Add	490.99	
23 74 13 00-0007	EA		7-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,578.74	500.39
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-1,136.69	
			For Unit Economizer, Add	1,009.43	
			For Equipment Base Roof Curbs, Add	668.43	
23 74 13 00-0008	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	12,332.95	561.05
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-1,515.59	
			For Unit Economizer, Add	1,435.37	
			For Equipment Base Roof Curbs, Add	980.70	
23 74 13 00-0009	EA		12-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	14,987.82	591.36
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-1,894.49	
			For Unit Economizer, Add	1,751.38	
			For Equipment Base Roof Curbs, Add	1,183.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0010 EA 15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	17,764.00	652.02
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-2,273.39	
For Unit Economizer, Add	2,079.52	
For Equipment Base Roof Curbs, Add	1,397.50	
23 74 13 00-0011 EA 20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,940.07	743.01
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-2,844.07	
For Unit Economizer, Add	2,573.22	
For Equipment Base Roof Curbs, Add	1,720.00	
23 74 13 00-0012 EA 25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,294.30	902.22
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-3,555.09	
For Unit Economizer, Add	3,203.44	
For Equipment Base Roof Curbs, Add	2,136.92	
23 74 13 00-0013 EA 30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,656.13	1,053.85
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-4,266.11	
For Unit Economizer, Add	3,834.43	
For Equipment Base Roof Curbs, Add	2,554.60	
23 74 13 00-0014 EA 35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	38,139.24	1,243.40
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-4,977.13	
For Unit Economizer, Add	4,477.54	
For Equipment Base Roof Curbs, Add	2,984.40	
23 74 13 00-0015 EA 40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,066.91	1,410.19
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-5,313.92	
For Unit Economizer, Add	4,815.21	
For Equipment Base Roof Curbs, Add	3,221.04	
23 74 13 00-0016 EA 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	50,484.50	1,554.24
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-6,642.41	
For Unit Economizer, Add	5,934.10	
For Equipment Base Roof Curbs, Add	3,941.38	
23 74 13 00-0017 EA 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	57,590.67	1,857.51
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-7,521.82	
For Unit Economizer, Add	6,761.98	
For Equipment Base Roof Curbs, Add	4,505.43	
23 74 13 00-0018 EA 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	66,691.26	2,047.05
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-8,775.46	
For Unit Economizer, Add	7,839.19	
For Equipment Base Roof Curbs, Add	5,206.55	
23 74 13 00-0019 EA 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	71,051.00	2,168.36
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-9,355.50	
For Unit Economizer, Add	8,352.50	
For Equipment Base Roof Curbs, Add	5,545.85	
 23 74 13 00-0020 Electric Cooling, Gas Heat, Packaged, Outdoor, Central-Station Air- Handling Units <small>(23 74 13)</small>		
23 74 13 00-0021 Electric Cooling, Gas Heat, Self Contained Package Rooftop Unit <small>(23 74 13 00-0020)</small>		
Note: Units up to 5 tons have 13 SEER. Units >5 to 19 tons have 11 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.		
23 74 13 00-0022 EA 2 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,419.41	136.47
For Hot Water Heating Coil Instead Of Gas, Deduct	-156.94	
For Steam Heating Coil Instead Of Gas, Deduct	-62.78	
For Unit Economizer, Add	404.72	
For Equipment Base Roof Curb, Add	263.47	
23 74 13 00-0023 EA 3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,327.43	159.21
For Hot Water Heating Coil Instead Of Gas, Deduct	-150.45	
For Steam Heating Coil Instead Of Gas, Deduct	-60.18	
For Unit Economizer, Add	392.92	
For Equipment Base Roof Curb, Add	257.52	
23 74 13 00-0024 EA 4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,892.01	166.80
For Hot Water Heating Coil Instead Of Gas, Deduct	-178.30	
For Steam Heating Coil Instead Of Gas, Deduct	-71.32	
For Unit Economizer, Add	460.52	
For Equipment Base Roof Curb, Add	300.05	
23 74 13 00-0025 EA 5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,391.41	204.71
For Hot Water Heating Coil Instead Of Gas, Deduct	-199.10	
For Steam Heating Coil Instead Of Gas, Deduct	-79.64	
For Unit Economizer, Add	518.78	
For Equipment Base Roof Curb, Add	339.59	
23 74 13 00-0026 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,065.73	219.87
For Hot Water Heating Coil Instead Of Gas, Deduct	-231.30	
For Steam Heating Coil Instead Of Gas, Deduct	-92.52	
For Unit Economizer, Add	599.09	
For Equipment Base Roof Curb, Add	390.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0027 EA 7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,456.06	235.04
For Hot Water Heating Coil Instead Of Gas, Deduct	-299.30	
For Steam Heating Coil Instead Of Gas, Deduct	-119.72	
For Unit Economizer, Add	765.33	
For Equipment Base Roof Curb, Add	495.96	
23 74 13 00-0028 EA 8.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,189.23	242.62
For Hot Water Heating Coil Instead Of Gas, Deduct	-335.20	
For Steam Heating Coil Instead Of Gas, Deduct	-134.08	
For Unit Economizer, Add	853.00	
For Equipment Base Roof Curb, Add	551.32	
23 74 13 00-0029 EA 10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,621.06	250.20
For Hot Water Heating Coil Instead Of Gas, Deduct	-356.41	
For Steam Heating Coil Instead Of Gas, Deduct	-142.57	
For Unit Economizer, Add	904.67	
For Equipment Base Roof Curb, Add	583.90	
23 74 13 00-0030 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,153.41	310.85
For Hot Water Heating Coil Instead Of Gas, Deduct	-476.59	
For Steam Heating Coil Instead Of Gas, Deduct	-190.63	
For Unit Economizer, Add	1,205.98	
For Equipment Base Roof Curb, Add	777.05	
23 74 13 00-0031 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	12,616.57	371.50
For Hot Water Heating Coil Instead Of Gas, Deduct	-593.68	
For Steam Heating Coil Instead Of Gas, Deduct	-237.47	
For Unit Economizer, Add	1,499.13	
For Equipment Base Roof Curb, Add	964.82	
23 74 13 00-0032 EA 18 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	15,031.05	432.15
For Hot Water Heating Coil Instead Of Gas, Deduct	-708.72	
For Steam Heating Coil Instead Of Gas, Deduct	-283.49	
For Unit Economizer, Add	1,786.59	
For Equipment Base Roof Curb, Add	1,148.75	
23 74 13 00-0033 EA 20 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,461.33	485.23
For Hot Water Heating Coil Instead Of Gas, Deduct	-824.17	
For Steam Heating Coil Instead Of Gas, Deduct	-329.67	
For Unit Economizer, Add	2,075.80	
For Equipment Base Roof Curb, Add	1,334.05	
23 74 13 00-0034 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,936.24	621.69
For Hot Water Heating Coil Instead Of Gas, Deduct	-834.64	
For Steam Heating Coil Instead Of Gas, Deduct	-333.86	
For Unit Economizer, Add	2,127.48	
For Equipment Base Roof Curb, Add	1,376.30	
23 74 13 00-0035 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,698.08	758.16
For Hot Water Heating Coil Instead Of Gas, Deduct	-859.09	
For Steam Heating Coil Instead Of Gas, Deduct	-343.64	
For Unit Economizer, Add	2,213.44	
For Equipment Base Roof Curb, Add	1,440.26	
23 74 13 00-0036 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	25,628.99	909.80
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,190.85	
For Steam Heating Coil Instead Of Gas, Deduct	-476.34	
For Unit Economizer, Add	3,039.24	
For Equipment Base Roof Curb, Add	1,967.47	
23 74 13 00-0037 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	31,539.34	1,137.25
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,463.24	
For Steam Heating Coil Instead Of Gas, Deduct	-585.30	
For Unit Economizer, Add	3,739.23	
For Equipment Base Roof Curb, Add	2,422.31	
23 74 13 00-0038 EA 60 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	36,695.42	1,235.81
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,711.19	
For Steam Heating Coil Instead Of Gas, Deduct	-684.48	
For Unit Economizer, Add	4,354.02	
For Equipment Base Roof Curb, Add	2,813.95	
23 74 13 00-0039 EA 80 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	52,429.78	1,486.00
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,473.27	
For Steam Heating Coil Instead Of Gas, Deduct	-989.31	
For Unit Economizer, Add	6,232.29	
For Equipment Base Roof Curb, Add	4,006.34	
23 74 13 00-0040 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	61,492.33	1,554.24
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,919.57	
For Steam Heating Coil Instead Of Gas, Deduct	-1,167.83	
For Unit Economizer, Add	7,317.06	
For Equipment Base Roof Curb, Add	4,689.45	
23 74 13 00-0041 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	66,191.83	1,705.88
For Hot Water Heating Coil Instead Of Gas, Deduct	-3,139.00	
For Steam Heating Coil Instead Of Gas, Deduct	-1,255.60	
For Unit Economizer, Add	7,874.78	
For Equipment Base Roof Curb, Add	5,049.68	
23 74 13 00-0042 Gas Cooling, Gas Heat, Self Contained Package Rooftop Unit (23 74 13)		
Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.		
23 74 13 00-0043 EA 2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,898.95	204.71
For Unit Economizer, Add	462.26	
For Equipment Base Roof Curb, Add	299.43	
23 74 13 00-0044 EA 3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,199.16	235.04
For Unit Economizer, Add	497.53	
For Equipment Base Roof Curb, Add	322.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0045 EA 4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,557.84 540.42 349.99	242.62
23 74 13 00-0046 EA 5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,062.57 599.32 389.93	303.26
23 74 13 00-0047 EA 6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,193.67 854.45 550.52	326.01
23 74 13 00-0048 EA 7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	9,324.07 1,109.49 711.06	348.76
23 74 13 00-0049 EA 10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	13,052.00 1,556.38 991.22	371.50
23 74 13 00-0050 EA 12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,989.39 1,786.29 1,139.75	462.48
23 74 13 00-0051 EA 15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	16,916.51 2,015.12 1,287.31	553.46
23 74 13 00-0052 EA 18 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	22,059.94 2,630.06 1,675.91	644.44
23 74 13 00-0053 EA 20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	27,207.55 3,245.35 2,065.02	727.84
23 74 13 00-0054 EA 25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	32,470.99 3,871.65 2,466.41	932.54
23 74 13 00-0055 EA 30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	38,444.19 4,582.98 2,921.22	1,137.25
23 74 13 00-0056 EA 40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	49,892.59 5,950.87 3,787.24	1,357.12
23 74 13 00-0057 EA 50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	60,681.65 7,236.31 4,607.99	1,705.88
23 74 13 00-0058 EA 60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	68,561.76 8,177.98 5,203.92	1,857.51
23 74 13 00-0059 EA 80 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	112,839.28 13,481.43 8,537.06	2,221.43
23 74 13 00-0060 EA 90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	132,802.79 15,874.32 10,037.73	2,327.57
23 74 13 00-0061 EA 100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	142,861.93 17,075.20 10,799.94	2,555.02
23 74 13 00-0062 Heat Pump, Packaged, Outdoor, Central-Station Air-Handling Units <small>(23 74 13)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 13 00-0063 Packaged Rooftop Heat Pump Units <small>(23 74 13 00-0062)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 13 00-0064 EA 2 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	4,406.18 1,105.59 189.22	310.85
23 74 13 00-0065 EA 2.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	4,610.45 1,159.48 197.54	326.01
23 74 13 00-0066 EA 3 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	4,863.88 1,225.89 207.94	356.34
23 74 13 00-0067 EA 3.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,223.37 1,140.67 222.88	379.09
23 74 13 00-0068 EA 4 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,575.29 1,218.01 237.82	409.41
23 74 13 00-0069 EA 5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,977.59 1,308.92 203.62	439.73
23 74 13 00-0070 EA 6 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	6,768.16 1,460.83 1,111.14 174.84	470.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0071 EA 7.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	9,047.34 1,463.10 1,382.56 241.62	492.81
23 74 13 00-0072 EA 8.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	10,164.08 1,529.05 273.31	530.72
23 74 13 00-0073 EA 10 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	11,014.34 1,547.23 198.00	561.05
23 74 13 00-0074 EA 12.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	12,939.98 1,791.36 233.93	621.69
23 74 13 00-0075 EA 15 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	14,858.02 2,031.68 269.87	682.35
23 74 13 00-0076 EA 17.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	16,633.46 2,209.23 305.38	712.68
23 74 13 00-0077 EA 20 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	18,530.20 2,447.42 340.88	743.01
23 74 13 00-0078 AAON Rooftop Units <small>(23 74 13)</small> Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. See CSI section 26 28 16 00-0001 for disconnects.		
23 74 13 00-0079 AAON RQ Rooftop Units <small>(23 74 13 00-0078)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied T'stat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0080 EA 2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	5,238.85 624.00 677.00 533.00 610.00 3,110.00 726.00	151.63
23 74 13 00-0081 EA 3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	5,644.01 669.00 726.00 571.00 654.00 3,110.00 726.00	159.21
23 74 13 00-0082 EA 4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	5,748.18 669.00 726.00 571.00 654.00 3,110.00 726.00	166.80
23 74 13 00-0083 EA 5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	5,842.34 669.00 726.00 571.00 654.00 3,110.00 726.00	181.96
23 74 13 00-0084 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,392.50 669.00 726.00 571.00 654.00 3,110.00 726.00	189.54
23 74 13 00-0085 AAON RNA Rooftop Units <small>(23 74 13 00-0078)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided T'stat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0086 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	7,968.67 651.00 1,000.00 667.00 616.00 1,661.00 566.00	197.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0087 EA 7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	8,537.99	212.29
<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	651.00	
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,000.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	667.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.00	
<i>For Factory Installed Exhaust Fan, Add</i>	1,661.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	566.00	
23 74 13 00-0088 EA 8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	9,876.31	227.45
<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	651.00	
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,000.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	667.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.00	
<i>For Factory Installed Exhaust Fan, Add</i>	1,661.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	566.00	
23 74 13 00-0089 EA 10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	9,974.81	250.20
<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	651.00	
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,000.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	667.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.00	
<i>For Factory Installed Exhaust Fan, Add</i>	1,661.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	566.00	
23 74 13 00-0090 AAON RNB Rooftop Units (23 74 13 00-0078)		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided T'stat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0091 EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	12,049.81	250.20
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	959.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	750.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	1,584.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	569.00	
23 74 13 00-0092 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	12,265.05	280.52
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	959.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	750.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	1,584.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	569.00	
23 74 13 00-0093 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	13,343.69	310.85
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	959.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	750.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	1,584.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	569.00	
23 74 13 00-0094 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	13,636.35	341.18
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	959.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	750.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	1,584.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	569.00	
23 74 13 00-0095 AAON RNC Rooftop Units (23 74 13 00-0078)		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided T'stat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0096 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	17,989.01	371.50
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,416.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,000.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	2,905.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	259.00	
23 74 13 00-0097 EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	19,451.65	401.83
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,416.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,000.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	2,905.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	259.00	
23 74 13 00-0098 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	20,616.89	432.15
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,416.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,000.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	2,905.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	259.00	
23 74 13 00-0099 EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	22,075.20	492.81
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,416.00	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,000.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	595.00	
<i>For Factory Installed Exhaust Fan, Add</i>	2,905.00	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	259.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0100 EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030).....	24,921.50	561.05
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,416.00	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,000.00	
For Factory Installed Non-Fused Disconnect, Add	595.00	
For Factory Installed Exhaust Fan, Add	2,905.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	259.00	
23 74 13 00-0101 AAON RND Rooftop Units <small>(23 74 13 00-0078)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0102 EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026).....	34,652.40	621.69
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,250.00	
For Factory Installed Non-Fused Disconnect, Add	1,354.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,900.00	
23 74 13 00-0103 EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031).....	39,344.70	682.35
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,250.00	
For Factory Installed Non-Fused Disconnect, Add	1,354.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,900.00	
23 74 13 00-0104 EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040).....	45,803.24	773.33
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,250.00	
For Factory Installed Non-Fused Disconnect, Add	1,354.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,900.00	
23 74 13 00-0105 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050).....	53,295.20	871.89
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,250.00	
For Factory Installed Non-Fused Disconnect, Add	1,354.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,900.00	
23 74 13 00-0106 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060).....	58,019.74	962.87
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,250.00	
For Factory Installed Non-Fused Disconnect, Add	1,354.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,900.00	
23 74 13 00-0107 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070).....	60,948.70	1,053.85
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,250.00	
For Factory Installed Non-Fused Disconnect, Add	1,354.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,900.00	
23 74 13 00-0108 AAON RNE Rooftop Units <small>(23 74 13 00-0078)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0109 EA 55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055).....	57,215.90	1,175.16
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0110 EA 65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065).....	62,831.09	1,304.04
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0111 EA 75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075).....	66,782.71	1,425.35
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0112 EA 95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090).....	79,466.90	1,554.24
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0113 EA 105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105).....	85,574.74	1,705.88
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0114 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120).....	100,239.60	1,857.51
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0115 EA 130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130).....	102,477.45	2,016.72
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0116 EA 140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140).....	106,627.29	2,168.36
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,412.00	
For Factory Installed Non-Fused Disconnect, Add	2,028.00	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,700.00	
23 74 13 00-0117 Heating Only Packaged Rooftop Units <small>(23 74 13)</small>		
Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0118 EA 24 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,120.06	235.04
<i>For Gas Heat, Add</i>	139.00	
23 74 13 00-0119 EA 32 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,500.88	272.94
<i>For Gas Heat, Add</i>	164.14	
23 74 13 00-0120 EA 45 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,401.05	280.52
<i>For Gas Heat, Add</i>	226.85	
23 74 13 00-0121 EA 60 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,955.10	356.34
<i>For Gas Heat, Add</i>	262.76	
23 74 13 00-0122 EA 95 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,678.82	409.41
<i>For Gas Heat, Add</i>	311.14	
23 74 13 00-0123 EA 112 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,287.06	439.73
<i>For Gas Heat, Add</i>	352.35	
23 74 13 00-0124 EA 140 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,308.54	477.64
<i>For Gas Heat, Add</i>	422.95	
23 74 13 00-0125 EA 170 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,133.20	492.81
<i>For Gas Heat, Add</i>	549.46	
23 74 13 00-0126 EA 200 MBH Electric Heating Only Self Contained Package Rooftop Unit	10,889.50	561.05
<i>For Gas Heat, Add</i>	739.98	
23 74 13 00-0127 EA 230 MBH Electric Heating Only Self Contained Package Rooftop Unit	12,803.40	621.69
<i>For Gas Heat, Add</i>	871.37	
23 74 13 00-0128 EA 270 MBH Electric Heating Only Self Contained Package Rooftop Unit	16,858.33	758.16
<i>For Gas Heat, Add</i>	1,149.76	
23 74 13 00-0129 EA 330 MBH Electric Heating Only Self Contained Package Rooftop Unit	21,107.02	909.80
<i>For Gas Heat, Add</i>	1,441.25	
23 74 13 00-0130 EA 360 MBH Electric Heating Only Self Contained Package Rooftop Unit	26,329.49	1,137.25
<i>For Gas Heat, Add</i>	1,797.57	
23 74 13 00-0131 EA 450 MBH Electric Heating Only Self Contained Package Rooftop Unit	31,881.62	1,243.40
<i>For Gas Heat, Add</i>	2,182.28	
23 74 13 00-0132 EA 540 MBH Electric Heating Only Self Contained Package Rooftop Unit	41,129.43	1,486.00
<i>For Gas Heat, Add</i>	2,819.77	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)

23 74 23 00-0001 Gas-Fired Electric Spark Make-Up Air Units (23 74 23)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.

23 74 23 00-0002 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	4,003.27	341.18
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,030.39	
<i>For Equipment Base Roof Curb, Add</i>	317.30	
23 74 23 00-0003 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	5,150.07	386.67
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,349.79	
<i>For Equipment Base Roof Curb, Add</i>	405.78	
23 74 23 00-0004 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,123.76	454.90
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,909.68	
<i>For Equipment Base Roof Curb, Add</i>	557.03	
23 74 23 00-0005 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,197.08	485.23
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,914.62	
<i>For Equipment Base Roof Curb, Add</i>	564.23	
23 74 23 00-0006 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	9,776.78	545.88
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,660.10	
<i>For Equipment Base Roof Curb, Add</i>	760.55	
23 74 23 00-0007 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,754.57	682.35
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,085.20	
<i>For Equipment Base Roof Curb, Add</i>	1,140.71	

23 74 23 00-0008 Electric Make-Up Air Units (23 74 23)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.

23 74 23 00-0009 EA 33 KW 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	8,092.46	341.18
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,257.15	
<i>For Equipment Base Roof Curb, Add</i>	623.99	
23 74 23 00-0010 EA 100 KW 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	11,531.94	386.67
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,264.35	
<i>For Equipment Base Roof Curb, Add</i>	884.42	
23 74 23 00-0011 EA 150 KW 2 HP, 4,000 CFM Make-up Air Unit, Electric	14,275.93	454.90
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,055.33	
<i>For Equipment Base Roof Curb, Add</i>	1,093.44	
23 74 23 00-0012 EA 250 KW 5 HP, 7,500 CFM Make-up Air Unit, Electric	18,451.29	545.88
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,262.45	
<i>For Equipment Base Roof Curb, Add</i>	1,411.14	
23 74 23 00-0013 EA 400 KW 10 HP, 10,000 CFM Make-up Air Unit, Electric	29,752.97	682.35
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,584.72	
<i>For Equipment Base Roof Curb, Add</i>	2,265.59	

23 76 Evaporative Air-Cooling Equipment (23 70)

23 76 13 Direct Evaporative Air Coolers (23 76)

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)

Note: Includes motor, belt and pads.

23 76 13 00-0002 EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	967.82	233.74
23 76 13 00-0003 EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,143.02	272.70
23 76 13 00-0004 EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,477.52	311.65
23 76 13 00-0005 EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,608.88	350.60

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 76 Evaporative Air-Cooling Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76 13 00-0006 EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,847.16	389.56
23 76 13 00-0007 EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,989.23	428.52
23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)		
Note: Excludes motor starter, piping, power wiring and equipment rigging.		
23 76 13 00-0009 EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	1,830.26	226.65
23 76 13 00-0010 EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	1,888.83	233.98
23 76 13 00-0011 EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,252.57	324.96
23 76 13 00-0012 EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	4,798.78	383.59
23 76 13 00-0013 EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,203.93	561.58
23 76 13 00-0014 EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,958.77	599.01
23 76 13 00-0015 EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,482.02	673.89
23 76 13 00-0016 EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,505.34	842.35
23 76 13 00-0017 EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,548.17	1,101.13
23 76 13 00-0018 EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,281.79	1,123.14
23 76 13 00-0019 EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,673.57	1,247.96
23 76 13 00-0020 EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,314.45	1,949.92
23 76 13 00-0021 EA 35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,553.13	2,034.68
23 76 13 00-0022 EA 40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,807.20	2,127.16

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0129 for terminations, 26 28 16 00-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)**23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 00-0001 Packaged Terminal Air-Conditioners (23 81 13)**23 81 13 00-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0001)**

23 81 13 00-0003 EA 7,100 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,392.51	153.71
For >35 To 70, Deduct	-32.57	
For >70 To 100, Deduct	-54.28	
For >100, Deduct	-75.99	
23 81 13 00-0004 EA 9,250 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,460.20	173.23
For >35 To 70, Deduct	-33.42	
For >70 To 100, Deduct	-55.71	
For >100, Deduct	-77.99	
23 81 13 00-0005 EA 11,600 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,513.48	184.62
For >35 To 70, Deduct	-34.31	
For >70 To 100, Deduct	-57.19	
For >100, Deduct	-80.07	
23 81 13 00-0006 EA 14,500 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,540.53	198.44
For >35 To 70, Deduct	-34.31	
For >70 To 100, Deduct	-57.19	
For >100, Deduct	-80.07	

23 81 13 00-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0001)

23 81 13 00-0008 EA 7,000 BTU, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,499.40	153.71
For >35 To 70, Deduct	-35.78	
For >70 To 100, Deduct	-59.63	
For >100, Deduct	-83.48	
23 81 13 00-0009 EA 9,200 BTU, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,562.33	173.23
For >35 To 70, Deduct	-36.49	
For >70 To 100, Deduct	-60.81	
For >100, Deduct	-85.14	
23 81 13 00-0010 EA 11,600 BTU, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,614.43	184.62
For >35 To 70, Deduct	-37.34	
For >70 To 100, Deduct	-62.24	
For >100, Deduct	-87.13	
23 81 13 00-0011 EA 14,600 BTU, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,708.00	198.44
For >35 To 70, Deduct	-39.34	
For >70 To 100, Deduct	-65.56	
For >100, Deduct	-91.79	

23 81 13 00-0012 Removal And Reinstallation Of Thru-Wall A/C Unit (23 81 13)

Note: Includes storage and cleaning.

23 81 13 00-0013 EA Remove And Reinstall Thru Wall Air Conditioning Unit	155.82	
23 81 13 00-0014 EA Remove And Reinstall Window Air Conditioning Unit	97.40	
23 81 13 00-0015 EA Remove And Reinstall Window Air Conditioning Unit In Upper Sash	210.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 00-0016				Thru Wall A/C Unit Sleeve <small>(23 81 13)</small> Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 00-0017	EA			Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	67.31	
23 81 13 00-0018	EA			>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	75.94	
23 81 13 00-0019	EA			>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	84.54	
23 81 13 00-0020				Single Package Vertical Wall Cooling Unit <small>(23 81 13)</small> Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.		
23 81 13 00-0021	EA			1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,532.58	177.66
23 81 13 00-0022	EA			1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	4,097.46	186.12
23 81 13 00-0023	EA			1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,336.10	194.59
23 81 13 00-0024	EA			2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	6,131.00	211.50
23 81 13 00-0025	EA			2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,680.75	245.35
23 81 13 00-0026	EA			3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,259.84	304.57
23 81 13 00-0027	EA			3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	9,147.12	338.41
23 81 13 00-0028	EA			4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,074.45	380.71
23 81 13 00-0029	EA			5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,348.30	456.86
23 81 13 00-0030	EA			7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,661.04	566.84
23 81 13 00-0031	EA			10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	17,525.22	761.43
23 81 13 00-0032	EA			15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	24,511.37	930.63
23 81 13 00-0033	EA			20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	28,253.00	1,108.30
23 81 13 00-0034	EA			25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	33,731.01	1,243.66
23 81 16				Room Air-Conditioners <small>(23 81)</small> Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001				Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81 16 00-0002				Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0003				115 Volt, Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0002)</small>		
23 81 16 00-0004	EA			5,000 BTU, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner	248.42	35.71
				<i>For >10 To 50, Deduct</i>	-8.85	
				<i>For >50 To 75, Deduct</i>	-12.39	
				<i>For >75 To 100, Deduct</i>	-17.70	
				<i>For >100, Deduct</i>	-21.24	
23 81 16 00-0005	EA			6,000 BTU, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner	280.56	39.28
				<i>For >10 To 50, Deduct</i>	-10.10	
				<i>For >50 To 75, Deduct</i>	-14.14	
				<i>For >75 To 100, Deduct</i>	-20.20	
				<i>For >100, Deduct</i>	-24.24	
23 81 16 00-0006	EA			8,000 BTU, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner	384.42	43.21
				<i>For >10 To 50, Deduct</i>	-14.90	
				<i>For >50 To 75, Deduct</i>	-20.86	
				<i>For >75 To 100, Deduct</i>	-29.80	
				<i>For >100, Deduct</i>	-35.76	
23 81 16 00-0007	EA			9,000 BTU, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner	422.05	47.56
				<i>For >10 To 50, Deduct</i>	-16.35	
				<i>For >50 To 75, Deduct</i>	-22.89	
				<i>For >75 To 100, Deduct</i>	-32.70	
				<i>For >100, Deduct</i>	-39.24	
23 81 16 00-0008	EA			10,000 BTU, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner	459.55	52.27
				<i>For >10 To 50, Deduct</i>	-17.75	
				<i>For >50 To 75, Deduct</i>	-24.85	
				<i>For >75 To 100, Deduct</i>	-35.50	
				<i>For >100, Deduct</i>	-42.60	
23 81 16 00-0009	EA			12,000 BTU, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner	509.05	57.48
				<i>For >10 To 50, Deduct</i>	-19.70	
				<i>For >50 To 75, Deduct</i>	-27.58	
				<i>For >75 To 100, Deduct</i>	-39.40	
				<i>For >100, Deduct</i>	-47.28	
23 81 16 00-0010	EA			15,000 BTU, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner	636.54	63.28
				<i>For >10 To 50, Deduct</i>	-25.50	
				<i>For >50 To 75, Deduct</i>	-35.70	
				<i>For >75 To 100, Deduct</i>	-51.00	
				<i>For >100, Deduct</i>	-61.20	
23 81 16 00-0011	EA			8,000 BTU, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner	496.42	43.21
				<i>For >10 To 50, Deduct</i>	-20.50	
				<i>For >50 To 75, Deduct</i>	-28.70	
				<i>For >75 To 100, Deduct</i>	-41.00	
				<i>For >100, Deduct</i>	-49.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0012	EA		10,000 BTU, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner.....	556.55	52.27
			<i>For >10 To 50, Deduct</i>	-22.60	
			<i>For >50 To 75, Deduct</i>	-31.64	
			<i>For >75 To 100, Deduct</i>	-45.20	
			<i>For >100, Deduct</i>	-54.24	
23 81 16 00-0013	EA		12,000 BTU, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner.....	620.05	57.48
			<i>For >10 To 50, Deduct</i>	-25.25	
			<i>For >50 To 75, Deduct</i>	-35.35	
			<i>For >75 To 100, Deduct</i>	-50.50	
			<i>For >100, Deduct</i>	-60.60	
23 81 16 00-0014			230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0002)</small>		
23 81 16 00-0015	EA		12,000 BTU, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner.....	474.05	57.48
			<i>For >10 To 50, Deduct</i>	-17.95	
			<i>For >50 To 75, Deduct</i>	-25.13	
			<i>For >75 To 100, Deduct</i>	-35.90	
			<i>For >100, Deduct</i>	-43.08	
23 81 16 00-0016	EA		14,000 BTU, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner.....	569.03	72.02
			<i>For >10 To 50, Deduct</i>	-21.25	
			<i>For >50 To 75, Deduct</i>	-29.75	
			<i>For >75 To 100, Deduct</i>	-42.50	
			<i>For >100, Deduct</i>	-51.00	
23 81 16 00-0017	EA		15,000 BTU, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner.....	589.19	69.56
			<i>For >10 To 50, Deduct</i>	-22.50	
			<i>For >50 To 75, Deduct</i>	-31.50	
			<i>For >75 To 100, Deduct</i>	-45.00	
			<i>For >100, Deduct</i>	-54.00	
23 81 16 00-0018	EA		18,000 BTU, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner.....	696.12	76.56
			<i>For >10 To 50, Deduct</i>	-27.15	
			<i>For >50 To 75, Deduct</i>	-38.01	
			<i>For >75 To 100, Deduct</i>	-54.30	
			<i>For >100, Deduct</i>	-65.16	
23 81 16 00-0019	EA		24,000 BTU, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner.....	806.40	84.20
			<i>For >10 To 50, Deduct</i>	-31.90	
			<i>For >50 To 75, Deduct</i>	-44.66	
			<i>For >75 To 100, Deduct</i>	-63.80	
			<i>For >100, Deduct</i>	-76.56	
23 81 16 00-0020	EA		26,000 BTU, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner.....	840.25	92.62
			<i>For >10 To 50, Deduct</i>	-32.75	
			<i>For >50 To 75, Deduct</i>	-45.85	
			<i>For >75 To 100, Deduct</i>	-65.50	
			<i>For >100, Deduct</i>	-78.60	
23 81 16 00-0021	EA		28,000 BTU, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner.....	882.74	101.91
			<i>For >10 To 50, Deduct</i>	-33.95	
			<i>For >50 To 75, Deduct</i>	-47.53	
			<i>For >75 To 100, Deduct</i>	-67.90	
			<i>For >100, Deduct</i>	-81.48	
23 81 16 00-0022			Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0023			115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0022)</small>		
23 81 16 00-0024	EA		8,000 BTU, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner	647.16	54.09
			<i>For >10 To 50, Deduct</i>	-26.95	
			<i>For >50 To 75, Deduct</i>	-37.73	
			<i>For >75 To 100, Deduct</i>	-53.90	
			<i>For >100, Deduct</i>	-64.68	
23 81 16 00-0025			230/208 Volts, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0022)</small>		
23 81 16 00-0026	EA		12,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner	751.65	81.33
			<i>For >10 To 50, Deduct</i>	-29.45	
			<i>For >50 To 75, Deduct</i>	-41.23	
			<i>For >75 To 100, Deduct</i>	-58.90	
			<i>For >100, Deduct</i>	-70.68	
23 81 16 00-0027	EA		14,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner	819.99	91.49
			<i>For >10 To 50, Deduct</i>	-31.85	
			<i>For >50 To 75, Deduct</i>	-44.59	
			<i>For >75 To 100, Deduct</i>	-63.70	
			<i>For >100, Deduct</i>	-76.44	
23 81 16 00-0028	EA		15,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner	857.25	99.63
			<i>For >10 To 50, Deduct</i>	-32.90	
			<i>For >50 To 75, Deduct</i>	-46.06	
			<i>For >75 To 100, Deduct</i>	-65.80	
			<i>For >100, Deduct</i>	-78.96	
23 81 16 00-0029	EA		18,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner	916.15	108.58
			<i>For >10 To 50, Deduct</i>	-34.95	
			<i>For >50 To 75, Deduct</i>	-48.93	
			<i>For >75 To 100, Deduct</i>	-69.90	
			<i>For >100, Deduct</i>	-83.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0030 EA 24,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner	1,091.76	146.39
<i>For >10 To 50, Deduct</i>	-39.95	
<i>For >50 To 75, Deduct</i>	-55.93	
<i>For >75 To 100, Deduct</i>	-79.90	
<i>For >100, Deduct</i>	-95.88	
23 81 16 00-0031 Accessories (23 81 16 00-0001)		
23 81 16 00-0032 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	360.95	44.73
23 81 16 00-0033 Through-The-Wall, Room Air-Conditioners (23 81 16)		
23 81 16 00-0034 Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0033)		
23 81 16 00-0035 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0034)		
23 81 16 00-0036 EA 6,000 BTU, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner.....	744.36	143.14
<i>For >10 To 50, Deduct</i>	-22.95	
<i>For >50 To 75, Deduct</i>	-32.13	
<i>For >75 To 100, Deduct</i>	-45.90	
<i>For >100, Deduct</i>	-55.08	
23 81 16 00-0037 EA 8,000 BTU, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner.....	988.61	153.71
<i>For >10 To 50, Deduct</i>	-34.09	
<i>For >50 To 75, Deduct</i>	-47.72	
<i>For >75 To 100, Deduct</i>	-68.17	
<i>For >100, Deduct</i>	-81.81	
23 81 16 00-0038 EA 10,000 BTU, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner	985.90	153.71
<i>For >10 To 50, Deduct</i>	-33.95	
<i>For >50 To 75, Deduct</i>	-47.53	
<i>For >75 To 100, Deduct</i>	-67.90	
<i>For >100, Deduct</i>	-81.48	
23 81 16 00-0039 EA 12,000 BTU, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner	1,136.74	184.62
<i>For >10 To 50, Deduct</i>	-38.35	
<i>For >50 To 75, Deduct</i>	-53.69	
<i>For >75 To 100, Deduct</i>	-76.71	
<i>For >100, Deduct</i>	-92.05	
23 81 16 00-0040 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0034)		
23 81 16 00-0041 EA 9,000 BTU, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner.....	1,055.72	198.44
<i>For >10 To 50, Deduct</i>	-32.95	
<i>For >50 To 75, Deduct</i>	-46.13	
<i>For >75 To 100, Deduct</i>	-65.90	
<i>For >100, Deduct</i>	-79.08	
23 81 16 00-0042 EA 10,000 BTU, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner	1,075.72	198.44
<i>For >10 To 50, Deduct</i>	-33.95	
<i>For >50 To 75, Deduct</i>	-47.53	
<i>For >75 To 100, Deduct</i>	-67.90	
<i>For >100, Deduct</i>	-81.48	
23 81 16 00-0043 EA 12,000 BTU, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner	1,145.60	198.44
<i>For >10 To 50, Deduct</i>	-37.44	
<i>For >50 To 75, Deduct</i>	-52.42	
<i>For >75 To 100, Deduct</i>	-74.89	
<i>For >100, Deduct</i>	-89.87	
23 81 16 00-0044 EA 14,000 BTU, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner	1,188.18	198.44
<i>For >10 To 50, Deduct</i>	-39.57	
<i>For >50 To 75, Deduct</i>	-55.40	
<i>For >75 To 100, Deduct</i>	-79.15	
<i>For >100, Deduct</i>	-94.98	
23 81 16 00-0045 Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0033)		
23 81 16 00-0046 115 Volt, Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0045)		
23 81 16 00-0047 EA 6,000 BTU, 115 Volt, Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioner	974.36	143.14
<i>For >10 To 50, Deduct</i>	-34.45	
<i>For >50 To 75, Deduct</i>	-48.23	
<i>For >75 To 100, Deduct</i>	-68.90	
<i>For >100, Deduct</i>	-82.68	
23 81 16 00-0048 EA 8,000 BTU, 115 Volt, Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioner	1,025.90	153.71
<i>For >10 To 50, Deduct</i>	-35.95	
<i>For >50 To 75, Deduct</i>	-50.33	
<i>For >75 To 100, Deduct</i>	-71.90	
<i>For >100, Deduct</i>	-86.28	
23 81 16 00-0049 230/208 Volt, Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0045)		
23 81 16 00-0050 EA 9,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioner	837.16	54.09
<i>For >10 To 50, Deduct</i>	-36.45	
<i>For >50 To 75, Deduct</i>	-51.03	
<i>For >75 To 100, Deduct</i>	-72.90	
<i>For >100, Deduct</i>	-87.48	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	16 00-0051	EA	10,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioner.....	887.26	69.13
			<i>For >10 To 50, Deduct</i>	-37.45	
			<i>For >50 To 75, Deduct</i>	-52.43	
			<i>For >75 To 100, Deduct</i>	-74.90	
			<i>For >100, Deduct</i>	-89.88	
23 81	16 00-0052	EA	12,000 BTU, 230/208 Volt, Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioner.....	941.65	81.33
			<i>For >10 To 50, Deduct</i>	-38.95	
			<i>For >50 To 75, Deduct</i>	-54.53	
			<i>For >75 To 100, Deduct</i>	-77.90	
			<i>For >100, Deduct</i>	-93.48	

23 81 23 Computer-Room Air-Conditioners (23 81)

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 00-0001 Floor Mounted Air Cooled Direct Expansion Type (23 81 23)

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81	23 00-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	19,614.97	1,662.97
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	2,139.72	
23 81	23 00-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	21,646.37	1,818.87
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	2,362.87	
23 81	23 00-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	29,807.88	2,078.71
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,339.52	
23 81	23 00-0005	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	35,403.19	2,338.54
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,990.62	
23 81	23 00-0006	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	39,740.25	2,806.25
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,438.24	
23 81	23 00-0007	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	44,869.38	3,118.06
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,028.97	
23 81	23 00-0008	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	47,116.48	3,325.93
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,265.26	
23 81	23 00-0009	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	55,248.66	3,741.66
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	6,210.44	

23 81 23 00-0010 Floor Mounted Chilled Water Type (23 81 23)

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for chilled water source.

23 81	23 00-0011	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	13,219.07	1,139.47
			<i>For Liebert Unit, Add</i>	1,462.47	
23 81	23 00-0012	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	14,215.84	1,262.19
			<i>For Liebert Unit, Add</i>	1,566.62	
23 81	23 00-0013	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	17,681.80	1,922.49
			<i>For Liebert Unit, Add</i>	1,889.81	
23 81	23 00-0014	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	18,469.29	1,947.81
			<i>For Liebert Unit, Add</i>	1,984.06	
23 81	23 00-0015	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	19,182.26	2,025.73
			<i>For Liebert Unit, Add</i>	2,058.86	
23 81	23 00-0016	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	19,670.96	2,220.51
			<i>For Liebert Unit, Add</i>	2,088.78	
23 81	23 00-0017	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	20,881.62	2,415.29
			<i>For Liebert Unit, Add</i>	2,208.47	

23 81 23 00-0018 Floor Mounted Water Source (23 81 23)

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.

23 81	23 00-0019	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	10,314.23	1,039.35
			<i>For Liebert Unit, Add</i>	1,095.12	
23 81	23 00-0020	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	11,335.78	1,091.32
			<i>For Liebert Unit, Add</i>	1,213.06	
23 81	23 00-0021	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	14,614.17	1,143.29
			<i>For Liebert Unit, Add</i>	1,613.20	
23 81	23 00-0022	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	15,755.65	1,247.22
			<i>For Liebert Unit, Add</i>	1,735.34	
23 81	23 00-0023	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	17,394.35	1,351.16
			<i>For Liebert Unit, Add</i>	1,920.67	
23 81	23 00-0024	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	18,093.06	1,455.09
			<i>For Liebert Unit, Add</i>	1,988.06	
23 81	23 00-0025	EA	15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	18,897.25	1,559.03
			<i>For Liebert Unit, Add</i>	2,072.30	
23 81	23 00-0026	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,448.36	1,662.97
			<i>For Liebert Unit, Add</i>	2,122.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0027 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	22,270.27 2,414.88	1,974.77
23 81 23 00-0028 Floor Mounted Glycol System Type <small>(23 81 23)</small>		
<small>Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for water source.</small>		
23 81 23 00-0029 EA 3 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	18,928.89 2,176.20	1,139.47
23 81 23 00-0030 EA 5 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	20,387.93 2,338.13	1,262.19
23 81 23 00-0031 EA 6 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	31,268.39 3,672.86	1,414.11
23 81 23 00-0032 EA 9 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	32,302.12 3,776.76	1,566.05
23 81 23 00-0033 EA 10 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	34,586.37 4,036.97	1,717.97
23 81 23 00-0034 EA 16 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	41,360.46 4,843.80	1,947.81
23 81 23 00-0035 EA 20 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	45,310.59 5,324.90	2,025.73
23 81 23 00-0036 EA 22 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	47,027.58 5,508.36	2,220.51
23 81 23 00-0037 EA 30 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	57,179.91 6,745.75	2,415.29
23 81 23 00-0038 Ceiling Mounted Packaged Computer Room Air Conditioner <small>(23 81 23)</small>		
<small>Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.</small>		
23 81 23 00-0039 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	7,715.20 871.82	493.97
23 81 23 00-0040 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	8,549.29 957.49	593.23
23 81 23 00-0041 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	9,790.33 1,084.66	742.43
23 81 23 00-0042 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	12,010.65 1,339.01	866.16
23 81 23 00-0043 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	16,193.23 1,847.72	941.41
23 81 23 00-0044 Removal And Reinstallation Of Computer Room Unit <small>(23 81 23)</small>		
<small>Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.</small>		
23 81 23 00-0045 EA Remove And Reinstall Computer Room Unit, Chilled Water	1,558.25	
23 81 23 00-0046 EA Remove And Reinstall Computer Room Unit, Direct Expansion.....	1,298.54	
23 81 26 Split-System Air-Conditioners <small>(23 81)</small>		
23 81 26 00-0001 Split System A/C Unit <small>(23 81 26)</small>		
<small>See CSI section 22 07 19 00-0442 for insulation, 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.</small>		
23 81 26 00-0002 Ductless Split System Air Conditioners <small>(23 81 26 00-0001)</small>		
<small>Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.</small>		
23 81 26 00-0003 Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
23 81 26 00-0004 EA 9,000 BTU Wall Mounted Ductless Split System Air Conditioners, 16 SEER	1,567.96	257.11
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0005 EA 11,900 BTU Wall Mounted Ductless Split System Air Conditioner, 17 SEER.....	1,697.56	280.48
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0006 EA 17,500 BTU Wall Mounted Ductless Split System Air Conditioners, 20 SEER	2,122.18	311.65
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0007 EA 24,200 BTU Wall Mounted Ductless Split System Air Conditioners, 17 SEER	2,357.44	342.82
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0008 EA 25,200 BTU Wall Mounted Ductless Split System Air Conditioners, 14.9 SEER	3,631.93	373.98
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0009 EA 29,800 BTU Wall Mounted Ductless Split System Air Conditioners, 15 SEER	4,228.69	389.56
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0010 EA 31,400 BTU Wall Mounted Ductless Split System Air Conditioners, 15.9 SEER	4,639.70	415.28
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
<small>Note: Use this section only when matching indoor and outdoor capacity units are not used.</small>		
23 81 26 00-0012 EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	675.66	124.66
<small>Note: Includes indoor unit and wireless thermostat.</small>		
23 81 26 00-0013 EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	714.07	132.46
<small>Note: Includes indoor unit and wireless thermostat.</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0014 EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	753.13	140.24
23 81 26 00-0015 EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	851.61	148.04
23 81 26 00-0016 EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	910.91	155.82
23 81 26 00-0017 EA 19,700 BTU Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners, 16.5 SEER Note: Includes outdoor unit and refrigerant charge.	1,871.57	186.99
23 81 26 00-0018 EA 25,400 BTU Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners, 16.2 SEER Note: Includes outdoor unit and refrigerant charge.	2,070.49	202.58
23 81 26 00-0019 EA 30,600 BTU Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners, 17.6 SEER Note: Includes outdoor unit and refrigerant charge.	3,274.91	218.16
23 81 26 00-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 00-0002) Note: Excludes hangers.		
23 81 26 00-0021 EA 24,400 BTU Ceiling Suspended Ductless Split System Air Conditioners, 14.5 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,888.74	373.98
23 81 26 00-0022 EA 31,200 BTU Ceiling Suspended Ductless Split System Air Conditioners, 15.1 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,739.13	446.44
23 81 26 00-0023 EA 39,000 BTU Ceiling Suspended Ductless Split System Air Conditioners, 15.6 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,784.15	467.48
23 81 26 00-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 00-0002) Note: Excludes hangers.		
23 81 26 00-0025 EA 11,900 BTU Ceiling Recessed Ductless Split System Air Conditioners, 16 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,386.61	311.65
23 81 26 00-0026 EA 17,500 BTU Ceiling Recessed Ductless Split System Air Conditioners, 16 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,782.49	342.82
23 81 26 00-0027 EA 24,800 BTU Ceiling Recessed Ductless Split System Air Conditioners, 14.1 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,868.71	405.14
23 81 26 00-0028 EA 32,600 BTU Ceiling Recessed Ductless Split System Air Conditioners, 14.6 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,477.96	446.44
23 81 26 00-0029 EA 39,500 BTU Ceiling Recessed Ductless Split System Air Conditioners, 14.6 SEER Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,653.56	467.48
23 81 26 00-0030 Ductless Split System Accessories (23 81 26 00-0002)		
23 81 26 00-0031 LF 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	7.73	1.12
23 81 26 00-0032 LF 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	9.81	1.23
23 81 26 00-0033 LF 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	12.11	1.35
23 81 26 00-0034 EA 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	13.13	2.09
23 81 26 00-0035 EA 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	21.70	2.30
23 81 26 00-0036 EA 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.65	2.54
23 81 26 00-0037 EA 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	31.92	4.19
23 81 26 00-0038 EA 4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	51.31	4.61
23 81 26 00-0039 EA 6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	57.24	5.07
23 81 26 00-0040 EA 3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.83	4.47
23 81 26 00-0041 EA 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.85	4.91
23 81 26 00-0042 EA 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	74.12	5.41
23 81 26 00-0043 EA 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	31.92	4.19
23 81 26 00-0044 EA 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	51.31	4.61
23 81 26 00-0045 EA 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	57.24	5.07
23 81 26 00-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.66	6.99
23 81 26 00-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.62	7.68
23 81 26 00-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	72.00	8.44
23 81 26 00-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	22.33	1.40
23 81 26 00-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	26.26	4.19
23 81 26 00-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.12	4.61
23 81 26 00-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.00	4.19
23 81 26 00-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	32.06	4.61
23 81 26 00-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	34.59	5.07
23 81 26 00-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	106.34	5.59
23 81 26 00-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	120.50	6.14
23 81 26 00-0057 EA 14" Condensing Unit Mounting Blocks With End Caps	79.31	20.95
23 81 26 00-0058 EA 17" Condensing Unit Mounting Blocks With End Caps	86.93	22.34
23 81 26 00-0059 EA 36" Condensing Unit Mounting Blocks With End Caps	113.81	23.73
23 81 26 00-0060 EA End Cap, Set of 4.....	11.31	
23 81 26 00-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	224.28	41.89
23 81 26 00-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	239.54	44.68
23 81 26 00-0063 LF 5/8" ID Condensate Drain Line	1.60	0.11
23 81 26 00-0064 LF 3/4" ID Condensate Drain Line	1.65	0.11
23 81 26 00-0065 Cased A/C Evaporator Coils (23 81 26 00-0001)		
23 81 26 00-0066 Vertical Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0067 EA 1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	400.97	81.33
23 81 26 00-0068 EA 2 Ton Vertical Cased A/C Evaporator Coil.....	419.85	87.42
23 81 26 00-0069 EA 2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	493.05	93.53
23 81 26 00-0070 EA 3 Ton Vertical Cased A/C Evaporator Coil.....	557.68	99.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0071	EA		3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	638.26	103.69
23 81 26 00-0072	EA		4 Ton Vertical Cased A/C Evaporator Coil.....	707.41	107.76
23 81 26 00-0073	EA		4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	759.90	115.89
23 81 26 00-0074	EA		5 Ton Vertical Cased A/C Evaporator Coil.....	768.30	121.99
23 81 26 00-0075			"A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0076	EA		2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	481.30	83.37
23 81 26 00-0077	EA		2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	548.77	88.04
23 81 26 00-0078	EA		3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	623.80	93.53
23 81 26 00-0079	EA		3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	646.61	96.90
23 81 26 00-0080	EA		4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	677.10	101.66
23 81 26 00-0081	EA		4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	687.78	106.94
23 81 26 00-0082	EA		5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	698.24	112.23
23 81 26 00-0083			Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0084	EA		2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	426.96	83.37
23 81 26 00-0085	EA		3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	508.45	93.53
23 81 26 00-0086	EA		4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	583.68	101.66
23 81 26 00-0087	EA		5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	697.29	112.23
23 81 26 00-0088			Mitsubishi City Multi, Variable Refrigerant Flow (23 81 26 00-0001)		
23 81 26 00-0089			Outdoor Units (23 81 26 00-0088)		
23 81 26 00-0090	EA		6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	12,632.25	409.04
23 81 26 00-0091	EA		8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	13,687.16	486.96
23 81 26 00-0092	EA		10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	15,393.96	584.34
23 81 26 00-0093	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	18,984.40	603.82
23 81 26 00-0094	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	25,240.48	623.30
23 81 26 00-0095	EA		14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	26,178.50	642.78
23 81 26 00-0096	EA		16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	27,116.53	662.26
23 81 26 00-0097	EA		18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	28,706.48	701.21
23 81 26 00-0098	EA		20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	30,296.41	740.17
23 81 26 00-0099	EA		22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	33,925.81	779.12
23 81 26 00-0100	EA		24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	37,555.21	818.08
23 81 26 00-0101			Indoor Units (23 81 26 00-0088)		
23 81 26 00-0102	EA		6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,132.94	126.60
23 81 26 00-0103	EA		8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,191.12	136.34
23 81 26 00-0104	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,243.17	146.08
23 81 26 00-0105	EA		15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	1,305.41	155.82
23 81 26 00-0106	EA		18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	1,415.77	185.04
23 81 26 00-0107	EA		24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	1,583.29	224.00
23 81 26 00-0108	EA		30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	1,714.91	243.48
23 81 26 00-0109	EA		6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E2).....	1,636.82	139.26
23 81 26 00-0110	EA		8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E2).....	1,694.89	149.98
23 81 26 00-0111	EA		12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E2).....	1,787.60	160.70
23 81 26 00-0112	EA		15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E2).....	1,939.36	171.40
23 81 26 00-0113	EA		18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E2).....	2,049.46	203.54
23 81 26 00-0114	EA		24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E2).....	2,252.25	246.40
23 81 26 00-0115	EA		27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E2).....	2,368.36	257.11
23 81 26 00-0116	EA		30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E2).....	2,496.70	267.82
23 81 26 00-0117	EA		36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E2).....	2,769.18	294.60
23 81 26 00-0118	EA		48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E2).....	3,069.42	324.06
23 81 26 00-0119	EA		54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E2).....	3,322.60	356.48
23 81 26 00-0120	EA		72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	4,205.39	392.12
23 81 26 00-0121	EA		96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	4,772.56	431.33
23 81 26 00-0122	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NBMU-ER2).....	1,826.29	160.70
23 81 26 00-0123	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NBMU-ER2).....	1,926.12	171.40
23 81 26 00-0124	EA		18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P18NBMU-ER2).....	2,036.22	203.54
23 81 26 00-0125	EA		24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P24NBMU-ER2).....	2,284.83	246.40
23 81 26 00-0126	EA		30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P30NBMU-ER2).....	2,461.07	267.82
23 81 26 00-0127	EA		36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P36NBMU-ER2).....	3,003.36	294.61
23 81 26 00-0128	EA		6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	1,673.47	139.26
23 81 26 00-0129	EA		8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	1,760.06	149.98
23 81 26 00-0130	EA		12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	1,891.45	160.70
23 81 26 00-0131	EA		15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	1,991.29	171.40

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0132	EA		8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,551.33	149.98
23 81 26 00-0133	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	1,630.80	160.70
23 81 26 00-0134	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	1,714.34	171.40
23 81 26 00-0135			Controllers For Outdoor Units <small>(23 81 26 00-0088)</small>		
23 81 26 00-0136	EA		8 Branch (Main BC) (Mitsubishi CMB-P108NU-GA)	5,606.78	116.86
23 81 26 00-0137	EA		10 Branch (Main BC) (Mitsubishi CMB-P1010NU-GA)	6,469.47	136.34
23 81 26 00-0138	EA		13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	7,502.18	155.82
23 81 26 00-0139	EA		16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	8,903.48	175.30
23 81 26 00-0140	EA		4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	3,273.55	77.92
23 81 26 00-0141	EA		8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	5,042.70	116.86
23 81 26 00-0142	EA		16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	7,708.11	175.30
23 81 26 00-0143	EA		ME Remote Controller (Mitsubishi PAR-F27MEA-US)	438.88	15.58
23 81 26 00-0144	EA		AG-150 Standard Package (Mitsubishi AG-150A-Standard)	4,535.10	15.58
23 81 26 00-0145	EA		GB-50ADA Standard Package (Mitsubishi GB-50ADA-A)	2,765.47	15.58
23 81 26 00-0146			Energy Recovery Units <small>(23 81 26 00-0088)</small>		
23 81 26 00-0147	EA		36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E-AU)	4,156.86	116.86
23 81 26 00-0148	EA		39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	7,858.02	116.86
23 81 26 00-0149	EA		112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	7,972.33	136.34
23 81 26 00-0150	EA		Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	1,660.99	97.40
23 81 26 00-0151	EA		Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,114.76	101.28
23 81 26 00-0152	EA		Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	2,520.66	105.18
23 81 26 00-0153	EA		Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX3-E)	4,589.60	116.86
23 81 26 00-0154			Piping Specialties <small>(23 81 26 00-0088)</small>		
23 81 26 00-0155	EA		Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	580.37	
23 81 26 00-0156	EA		Branch Joint (Mitsubishi CMY-Y102SS-G2)	158.72	30.89
23 81 26 00-0157	EA		Branch Joint (Mitsubishi CMY-Y102LS-G2)	158.72	30.89
23 81 26 00-0158	EA		Branch Joint (Mitsubishi CMY-Y202S-G2)	176.02	32.52
23 81 26 00-0159	EA		Branch Joint (Mitsubishi CMY-Y302S-G2)	219.78	36.59
23 81 26 00-0160	EA		Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	287.94	52.85
23 81 26 00-0161	EA		Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	491.37	105.68
23 81 26 00-0162	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	79.98	13.01
23 81 26 00-0163	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	90.75	17.88
23 81 26 00-0164			Daikin VRV <small>(23 81 26 00-0001)</small>		
23 81 26 00-0165			Heat Pump Outdoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0166	EA		6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ)	12,506.81	409.04
23 81 26 00-0167	EA		8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ)	13,995.57	486.96
23 81 26 00-0168	EA		10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ)	15,625.81	584.34
23 81 26 00-0169	EA		12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ)	19,458.48	603.82
23 81 26 00-0170	EA		14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ)	25,995.94	642.78
23 81 26 00-0171	EA		16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ)	27,470.36	662.26
23 81 26 00-0172	EA		18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ)	28,881.20	701.21
23 81 26 00-0173	EA		20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ)	30,394.56	740.17
23 81 26 00-0174	EA		22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ)	39,290.30	779.12
23 81 26 00-0175	EA		24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ)	40,803.68	818.08
23 81 26 00-0176	EA		26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ)	42,317.03	857.04
23 81 26 00-0177	EA		28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ)	43,727.88	895.99
23 81 26 00-0178	EA		30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ)	45,241.25	934.95
23 81 26 00-0179			Heat Recovery Heat Pump Outdoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0180	EA		6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ)	16,020.72	531.75
23 81 26 00-0181	EA		8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ)	17,499.14	633.04
23 81 26 00-0182	EA		10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ)	19,257.45	759.65
23 81 26 00-0183	EA		12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ)	24,127.13	784.97
23 81 26 00-0184	EA		14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ)	32,533.58	835.61
23 81 26 00-0185	EA		16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ)	35,045.01	860.93
23 81 26 00-0186	EA		18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ)	36,376.68	911.58
23 81 26 00-0187	EA		20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ)	37,708.37	962.22
23 81 26 00-0188	EA		22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ)	49,549.65	1,012.86
23 81 26 00-0189	EA		24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ)	50,881.33	1,063.51
23 81 26 00-0190	EA		26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ)	53,443.40	1,114.15
23 81 26 00-0191	EA		28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ)	54,775.08	1,164.79
23 81 26 00-0192			Indoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0193	EA		7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU)	1,472.14	136.34
23 81 26 00-0194	EA		9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU)	1,536.99	140.24
23 81 26 00-0195	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU)	1,733.43	146.08
23 81 26 00-0196	EA		18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU)	1,952.57	185.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0197 EA 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU).....	2,152.36	224.00
23 81 26 00-0198 EA 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU).....	2,133.94	149.98
23 81 26 00-0199 EA 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU).....	2,205.39	154.26
23 81 26 00-0200 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU).....	2,315.94	85.70
23 81 26 00-0201 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU).....	2,474.20	203.54
23 81 26 00-0202 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU).....	2,934.24	246.40
23 81 26 00-0203 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU).....	3,349.50	267.82
23 81 26 00-0204 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU).....	3,582.97	294.60
23 81 26 00-0205 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU).....	3,714.45	324.06
23 81 26 00-0206 EA 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU).....	2,379.63	149.98
23 81 26 00-0207 EA 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU).....	2,436.57	154.26
23 81 26 00-0208 EA 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU).....	2,589.69	160.70
23 81 26 00-0209 EA 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU).....	2,776.96	203.54
23 81 26 00-0210 Branch Selector Boxes <small>(23 81 26 00-0164)</small>		
23 81 26 00-0211 EA 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU).....	7,117.76	175.30
23 81 26 00-0212 EA 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU).....	10,515.69	233.74
23 81 26 00-0213 EA 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU).....	1,422.97	77.92
23 81 26 00-0214 EA 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU).....	1,923.60	116.86
23 81 26 00-0215 EA 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU).....	2,401.25	175.30
23 81 26 00-0216 Controllers <small>(23 81 26 00-0164)</small>		
23 81 26 00-0217 EA Up To 16 Units, Navigation Controller (Daikin BRC1E71).....	470.19	15.58
23 81 26 00-0218 EA Individual Zone Controller (Daikin BRC2A71).....	350.25	15.58
23 81 26 00-0219 EA Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71).....	643.33	15.58
23 81 26 00-0220 EA Up To 64 Units, Multizone Controller (Daikin DCS302C71).....	886.12	15.58
23 81 26 00-0221 EA I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71).....	8,350.74	186.99
23 81 26 00-0222 EA I-Touch Manager D3net Plus Adapter (Daikin DCM601A72).....	1,510.03	15.58
23 81 26 00-0223 Energy Recovery Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0224 EA 300 CFM Energy Recovery Unit (Daikin VAM300GVJU).....	2,476.62	97.40
23 81 26 00-0225 EA 470 CFM Energy Recovery Unit (Daikin VAM470GVJU).....	3,202.15	101.28
23 81 26 00-0226 EA 600 CFM Energy Recovery Unit (Daikin VAM600GVJU).....	3,825.12	105.18
23 81 26 00-0227 EA 1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU).....	7,103.43	116.86
23 81 43 Air-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 43 00-0001 Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>		
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.		
23 81 43 00-0002 EA 1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,763.59	126.90
For Unit Economizer, Add	206.72	
For >35 To 70, Deduct	-45.55	
For >70 To 100, Deduct	-75.91	
For >100, Deduct	-106.28	
For Low Ambient Protection, 0 Degree F, Add	197.98	
23 81 43 00-0003 EA 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,949.21	135.37
For Unit Economizer, Add	228.66	
For >35 To 70, Deduct	-50.61	
For >70 To 100, Deduct	-84.35	
For >100, Deduct	-118.09	
For Low Ambient Protection, 0 Degree F, Add	217.39	
23 81 43 00-0004 EA 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,366.23	135.37
For Unit Economizer, Add	398.70	
For >35 To 70, Deduct	-93.12	
For >70 To 100, Deduct	-155.20	
For >100, Deduct	-217.28	
For Low Ambient Protection, 0 Degree F, Add	344.92	
23 81 43 00-0005 EA 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,686.80	135.37
For Unit Economizer, Add	436.83	
For >35 To 70, Deduct	-102.23	
For >70 To 100, Deduct	-170.38	
For >100, Deduct	-238.53	
For Low Ambient Protection, 0 Degree F, Add	172.03	
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,176.07	143.83
For Unit Economizer, Add	495.21	
For >35 To 70, Deduct	-116.40	
For >70 To 100, Deduct	-194.00	
For >100, Deduct	-271.60	
For Low Ambient Protection, 0 Degree F, Add	190.43	
23 81 43 00-0007 EA 3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,378.50	152.28
For Unit Economizer, Add	519.50	
For >35 To 70, Deduct	-122.47	
For >70 To 100, Deduct	-204.12	
For >100, Deduct	-285.77	
For Low Ambient Protection, 0 Degree F, Add	604.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0008 EA 3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,935.24	152.28
For Unit Economizer, Add	585.97	
For >35 To 70, Deduct	-138.67	
For >70 To 100, Deduct	-231.11	
For >100, Deduct	-323.55	
For Low Ambient Protection, 0 Degree F, Add	679.14	
23 81 43 00-0009 EA 4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,449.78	160.75
For Unit Economizer, Add	647.54	
For >35 To 70, Deduct	-153.85	
For >70 To 100, Deduct	-256.41	
For >100, Deduct	-358.98	
For Low Ambient Protection, 0 Degree F, Add	747.05	
23 81 43 00-0010 EA 5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,276.53	186.12
For Unit Economizer, Add	745.74	
For >35 To 70, Deduct	-177.13	
For >70 To 100, Deduct	-295.21	
For >100, Deduct	-413.30	
For Low Ambient Protection, 0 Degree F, Add	860.62	
23 81 43 00-0011 EA 7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,548.45	219.97
For Unit Economizer, Add	1,376.85	
For >35 To 70, Deduct	-333.00	
For >70 To 100, Deduct	-555.00	
For >100, Deduct	-777.00	
For Low Ambient Protection, 0 Degree F, Add	1,555.11	
23 81 43 00-0012 EA 10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	14,872.07	279.19
For Unit Economizer, Add	1,773.31	
For >35 To 70, Deduct	-429.16	
For >70 To 100, Deduct	-715.26	
For >100, Deduct	-1,001.37	
For Low Ambient Protection, 0 Degree F, Add	284.76	
23 81 43 00-0013 EA 12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	18,170.21	313.03
For Unit Economizer, Add	2,167.90	
For >35 To 70, Deduct	-526.32	
For >70 To 100, Deduct	-877.21	
For >100, Deduct	-1,228.09	
For Low Ambient Protection, 0 Degree F, Add	331.96	
23 81 43 00-0014 EA 15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	22,429.96	355.33
For Unit Economizer, Add	2,677.55	
For >35 To 70, Deduct	-651.83	
For >70 To 100, Deduct	-1,086.39	
For >100, Deduct	-1,520.94	
For Low Ambient Protection, 0 Degree F, Add	392.83	
23 81 43 00-0015 EA 20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	29,911.71	380.71
For Unit Economizer, Add	3,574.18	
For >35 To 70, Deduct	-874.51	
For >70 To 100, Deduct	-1,457.51	
For >100, Deduct	-2,040.52	
For Low Ambient Protection, 0 Degree F, Add	481.86	
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	36,052.37	414.55
For Unit Economizer, Add	4,309.70	
For >35 To 70, Deduct	-1,056.70	
For >70 To 100, Deduct	-1,761.16	
For >100, Deduct	-2,465.63	
For Low Ambient Protection, 0 Degree F, Add	559.51	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 43 00-0018 EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,714.08	169.21
23 81 43 00-0019 EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,304.75	186.12
23 81 43 00-0020 EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,290.68	194.59
23 81 43 00-0021 EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,923.77	211.50
23 81 43 00-0022 EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,164.45	245.35
23 81 43 00-0023 EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,580.67	279.19
23 81 43 00-0024 EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,141.31	313.03
23 81 43 00-0025 EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,037.74	346.87
23 81 43 00-0026 EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,052.86	414.55

23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)

23 81 43 00-0029 115 Volt, Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0028)

23 81 43 00-0030 EA 9,000 BTUH, 115 Volt, Heat Pump, Heating And Cooling, Window Unit, Room Air-Conditioner	1,457.15	54.09
For >10 To 50, Deduct	-67.45	
For >50 To 75, Deduct	-94.43	
For >75 To 100, Deduct	-134.90	
For >100, Deduct	-161.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0031				230/208 Volt, Heat Pump, Window Unit, Room Air-Conditioners <small>(23 81 43 00-0028)</small>		
			EA	12,000 BTUH, 230/208 Volt, Heat Pump, Heating And Cooling, Window Unit, Room Air-Conditioner	1,431.65	81.33
				<i>For >10 To 50, Deduct</i>	-63.45	
				<i>For >50 To 75, Deduct</i>	-88.83	
				<i>For >75 To 100, Deduct</i>	-126.90	
				<i>For >100, Deduct</i>	-152.28	
			EA	18,000 BTUH, 230/208 Volt, Heat Pump, Heating And Cooling, Window Unit, Room Air-Conditioner	1,675.68	111.83
				<i>For >10 To 50, Deduct</i>	-72.60	
				<i>For >50 To 75, Deduct</i>	-101.64	
				<i>For >75 To 100, Deduct</i>	-145.20	
				<i>For >100, Deduct</i>	-174.24	
			EA	24,000 BTUH, 230/208 Volt, Heat Pump, Heating And Cooling, Window Unit, Room Air-Conditioner	2,058.55	146.39
				<i>For >10 To 50, Deduct</i>	-88.30	
				<i>For >50 To 75, Deduct</i>	-123.62	
				<i>For >75 To 100, Deduct</i>	-176.60	
				<i>For >100, Deduct</i>	-211.92	
23 81 43 00-0035				Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
23 81 43 00-0036				230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0035)</small>		
			EA	9,000 BTU, 230/208 Volt, Heat Pump, Heating And Cooling, Through-The-Wall, Room Air-Conditioner	1,287.16	54.09
				<i>For >10 To 50, Deduct</i>	-58.95	
				<i>For >50 To 75, Deduct</i>	-82.53	
				<i>For >75 To 100, Deduct</i>	-117.90	
				<i>For >100, Deduct</i>	-141.48	
			EA	12,000 BTU, 230/208 Volt, Heat Pump, Heating And Cooling, Through-The-Wall, Room Air-Conditioner	1,411.65	81.33
				<i>For >10 To 50, Deduct</i>	-62.45	
				<i>For >50 To 75, Deduct</i>	-87.43	
				<i>For >75 To 100, Deduct</i>	-124.90	
				<i>For >100, Deduct</i>	-149.88	
23 81 46				Water-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 46 00-0001				Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps <small>(23 81 46)</small>		
				Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
			EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,634.96	162.65
			EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,683.07	162.65
			EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,939.05	178.92
			EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,047.48	195.18
			EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,197.62	211.45
			EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,572.25	227.72
			EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,636.85	243.98
			EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,872.52	260.25
			EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,065.41	276.51
			EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,124.67	292.78
23 81 49				Split System Heat Pumps <small>(23 81)</small>		
23 81 49 00-0001				Air Cooled, Outdoor Section <small>(23 81 49)</small>		
			EA	1.5 Ton 13 SEER Outdoor Heat Pump Unit	1,254.71	251.27
				Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
				<i>For Low Ambient Protection, 0 Degree F, Add</i>	243.76	
				<i>For Winterstart Control, Add</i>	73.03	
				<i>For SEER 14 Rating, Add</i>	183.54	
			EA	2 Ton 13 SEER Outdoor Heat Pump Unit	1,344.65	279.19
				Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
				<i>For Low Ambient Protection, 0 Degree F, Add</i>	262.43	
				<i>For Winterstart Control, Add</i>	79.17	
				<i>For SEER 14 Rating, Add</i>	193.54	
			EA	2.5 Ton 13 SEER Outdoor Heat Pump Unit	1,538.82	324.03
				Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
				<i>For Low Ambient Protection, 0 Degree F, Add</i>	300.86	
				<i>For Winterstart Control, Add</i>	90.99	
				<i>For SEER 14 Rating, Add</i>	220.11	
			EA	3 Ton 13 SEER Outdoor Heat Pump Unit	1,720.70	372.25
				Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
				<i>For Low Ambient Protection, 0 Degree F, Add</i>	279.81	
				<i>For Winterstart Control, Add</i>	102.67	
				<i>For SEER 14 Rating, Add</i>	242.90	
			EA	3.5 Ton 13 SEER Outdoor Heat Pump Unit	1,932.36	386.63
				Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
				<i>For Low Ambient Protection, 0 Degree F, Add</i>	308.02	
				<i>For Winterstart Control, Add</i>	112.44	
				<i>For SEER 14 Rating, Add</i>	282.80	
			EA	4 Ton 13 SEER Outdoor Heat Pump Unit	2,111.62	444.16
				Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
				<i>For Low Ambient Protection, 0 Degree F, Add</i>	335.88	
				<i>For Winterstart Control, Add</i>	122.54	
				<i>For SEER 14 Rating, Add</i>	310.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0008 EA 5 Ton 13 SEER Outdoor Heat Pump Unit.....	2,312.19	488.58
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	255.20	
For Winterstart Control, Add	85.94	
For SEER 14 Rating, Add	338.99	
23 81 49 00-0009 EA 7.5 Ton 13 SEER Outdoor Heat Pump Unit.....	6,000.51	545.39
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	455.85	
For Winterstart Control, Add	130.13	
For SEER 14 Rating, Add	1,096.49	
23 81 49 00-0010 EA 10 Ton 13 SEER Outdoor Heat Pump Unit.....	8,328.17	654.46
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	314.71	
For Winterstart Control, Add	167.56	
For SEER 14 Rating, Add	1,552.26	
23 81 49 00-0011 EA 15 Ton 13 SEER Outdoor Heat Pump Unit.....	10,982.40	763.54
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	352.64	
For Winterstart Control, Add	207.76	
For SEER 14 Rating, Add	2,077.79	
23 81 49 00-0012 EA 20 Ton 13 SEER Outdoor Heat Pump Unit.....	15,214.26	818.08
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For Low Ambient Protection, 0 Degree F, Add	372.72	
For Winterstart Control, Add	257.30	
For SEER 14 Rating, Add	2,949.62	
23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49)		
Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014 EA 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,031.60	83.37
For Additional 5 KW Electric Heat, Add	94.78	
23 81 49 00-0015 EA 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,132.87	103.86
For Additional 5 KW Electric Heat, Add	102.90	
23 81 49 00-0016 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,176.45	125.44
For Additional 5 KW Electric Heat, Add	105.08	
23 81 49 00-0017 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,593.98	146.87
For Additional 5 KW Electric Heat, Add	144.70	
23 81 49 00-0018 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,631.51	165.56
For Additional 5 KW Electric Heat, Add	146.57	
23 81 49 00-0019 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,807.45	190.11
For Additional 5 KW Electric Heat, Add	161.74	
23 81 49 00-0020 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	3,891.75	311.65
For Additional 5 KW Electric Heat, Add	358.01	
23 81 49 00-0021 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	5,778.30	350.60
For Additional 5 KW Electric Heat, Add	542.77	
23 81 49 00-0022 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	8,144.41	389.56
For Additional 5 KW Electric Heat, Add	775.49	
23 81 49 00-0023 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat.....	9,247.46	467.48
For Additional 5 KW Electric Heat, Add	877.99	
23 81 49 00-0024 Ductless Split System Heat Pumps (23 81 49)		
Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.		
23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)		
23 81 49 00-0026 EA 9,000 BTU Cooling, 12,200 BTU Heating Wall Mounted Ductless Split System Heat Pumps, 16 SEER.....	1,698.55	257.11
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027 EA 11,900 BTU Cooling, 13,300 BTU Heating Wall Mounted Ductless Split System Heat Pumps, 17 SEER.....	1,876.46	280.48
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028 EA 17,500 BTU Cooling, 20,400 BTU Heating Wall Mounted Ductless Split System Heat Pumps, 20 SEER.....	2,289.32	311.65
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029 EA 24,200 BTU Cooling, 29,000 BTU Heating Wall Mounted Ductless Split System Heat Pumps, 17 SEER.....	2,634.93	342.82
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030 EA 25,200 BTU Cooling, 29,200 BTU Heating Wall Mounted Ductless Split System Heat Pumps, 14.9 SEER.....	3,735.96	373.98
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031 EA 29,800 BTU Cooling, 34,800 BTU Heating Wall Mounted Ductless Split System Heat Pumps, 15 SEER.....	4,327.94	389.56
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032 EA 31,400 BTU Cooling, 36,400 BTU Heating Wall Mounted Ductless Split System Heat Pumps, 15.9 SEER.....	4,747.43	415.28
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)		
Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	704.38	124.66
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0035 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	743.45	132.46
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	783.16	140.24
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	891.44	148.04
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	950.08	155.82
Note: Includes indoor unit and wireless thermostat.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps, 16.4 SEER.....	2,113.15	186.99
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps, 16.5 SEER.....	2,504.68	202.58
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps, 17.2 SEER.....	4,062.98	218.16
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
Note: Excludes hangers.		
23 81 49 00-0043 EA 24,400 BTU Cooling, 30,800 BTU Heating Ceiling Suspended Ductless Split System Heat Pumps, 14.5 SEER	3,993.21	373.98
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0044 EA 31,200 BTU Cooling, 37,400 BTU Heating Ceiling Suspended Ductless Split System Heat Pumps, 15.1 SEER	4,846.86	446.44
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0045 EA 39,000 BTU Cooling, 44,500 BTU Heating Ceiling Suspended Ductless Split System Heat Pumps, 15.6 SEER	5,849.44	467.48
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
Note: Excludes hangers.		
23 81 49 00-0047 EA 11,900 BTU Cooling, 13,600 BTU Heating Ceiling Recessed Ductless Split System Heat Pumps, 16 SEER	2,647.77	311.65
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0048 EA 17,500 BTU Cooling, 20,400 BTU Heating Ceiling Recessed Ductless Split System Heat Pumps, 16 SEER	3,002.52	342.82
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049 EA 24,800 BTU Cooling, 29,800 BTU Heating Ceiling Recessed Ductless Split System Heat Pumps, 14.1 SEER	3,973.18	405.14
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050 EA 32,600 BTU Cooling, 37,600 BTU Heating Ceiling Recessed Ductless Split System Heat Pumps, 14.6 SEER	4,585.69	446.44
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051 EA 39,500 BTU Cooling, 48,000 BTU Heating Ceiling Recessed Ductless Split System Heat Pumps, 14.6 SEER	5,718.86	467.48
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 82 Convection Heating And Cooling Units <small>(23 80)</small>		
23 82 16 Air Coils <small>(23 82)</small>		
23 82 16 00-0001 Chilled Water Cooling Coils <small>(23 82 16)</small>		
Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 00-0002 2 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
23 82 16 00-0003 EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	836.90	40.66
23 82 16 00-0004 EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,378.16	55.30
23 82 16 00-0005 EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,866.57	87.02
23 82 16 00-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,274.18	124.43
23 82 16 00-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,433.76	152.89
23 82 16 00-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,736.54	185.42
23 82 16 00-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,947.83	214.70
23 82 16 00-0010 EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,206.58	379.31
23 82 16 00-0011 EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,926.14	144.19
23 82 16 00-0012 EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,513.26	245.53
23 82 16 00-0013 EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,817.95	304.98
23 82 16 00-0014 EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,129.25	368.33
23 82 16 00-0015 EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,435.15	428.92
23 82 16 00-0016 4 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
23 82 16 00-0017 EA 12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,044.47	84.58
23 82 16 00-0018 EA 12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,671.99	121.99
23 82 16 00-0019 EA 24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,302.55	203.32
23 82 16 00-0020 EA 24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,848.36	301.72
23 82 16 00-0021 EA 30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,306.12	370.04
23 82 16 00-0022 EA 30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,937.10	452.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0023 EA 30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,409.51	542.45
23 82 16 00-0024 EA 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,373.06	631.43
23 82 16 00-0025 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,674.16	272.53
23 82 16 00-0026 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,448.64	409.90
23 82 16 00-0027 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,844.55	508.30
23 82 16 00-0028 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,335.19	612.40
23 82 16 00-0029 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,782.27	715.93
23 82 16 00-0030 6 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0031 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,468.24	107.36
23 82 16 00-0032 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,748.16	159.40
23 82 16 00-0033 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,408.92	271.64
23 82 16 00-0034 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,292.55	406.64
23 82 16 00-0035 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,312.57	508.30
23 82 16 00-0036 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,926.34	625.42
23 82 16 00-0037 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,737.20	739.27
23 82 16 00-0038 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,551.01	861.51
23 82 16 00-0039 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,365.14	372.40
23 82 16 00-0040 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,352.58	558.56
23 82 16 00-0041 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,940.13	699.42
23 82 16 00-0042 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,508.47	840.20
23 82 16 00-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,078.60	977.48
23 82 16 00-0044 8 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,833.24	129.31
23 82 16 00-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,263.46	198.44
23 82 16 00-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,405.23	353.78
23 82 16 00-0048 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,555.35	542.45
23 82 16 00-0049 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,482.72	678.27
23 82 16 00-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,380.91	813.28
23 82 16 00-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,320.01	903.55
23 82 16 00-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,402.53	1,048.07
23 82 16 00-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,855.62	453.81
23 82 16 00-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,004.43	682.26
23 82 16 00-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,686.68	849.88
23 82 16 00-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,339.85	1,016.60
23 82 16 00-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,031.09	1,196.01
23 82 16 00-0058 Direct Expansion Cooling Coils (23 82 16)		
Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059 2 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0060 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	711.48	61.00
For 10 Fins Per Inch, Add	11.78	
For 12 Fins Per Inch, Add	29.46	
23 82 16 00-0061 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,346.07	83.77
For 10 Fins Per Inch, Add	23.57	
For 12 Fins Per Inch, Add	58.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0062 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,866.57	131.75
For 10 Fins Per Inch, Add	32.08	
For 12 Fins Per Inch, Add	80.21	
23 82 16 00-0063 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,274.18	189.49
For 10 Fins Per Inch, Add	37.92	
For 12 Fins Per Inch, Add	94.80	
23 82 16 00-0064 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,652.32	231.78
For 10 Fins Per Inch, Add	43.75	
For 12 Fins Per Inch, Add	109.38	
23 82 16 00-0065 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,981.81	280.58
For 10 Fins Per Inch, Add	48.42	
For 12 Fins Per Inch, Add	121.05	
23 82 16 00-0066 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,421.58	325.31
For 10 Fins Per Inch, Add	55.42	
For 12 Fins Per Inch, Add	138.55	
23 82 16 00-0067 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,270.96	379.31
For 10 Fins Per Inch, Add	70.25	
For 12 Fins Per Inch, Add	175.62	
23 82 16 00-0068 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,638.73	144.19
For 10 Fins Per Inch, Add	27.01	
For 12 Fins Per Inch, Add	67.52	
23 82 16 00-0069 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,158.39	245.53
For 10 Fins Per Inch, Add	33.35	
For 12 Fins Per Inch, Add	83.36	
23 82 16 00-0070 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,709.38	368.33
For 10 Fins Per Inch, Add	39.45	
For 12 Fins Per Inch, Add	98.64	
23 82 16 00-0071 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,982.81	428.92
For 10 Fins Per Inch, Add	42.50	
For 12 Fins Per Inch, Add	106.25	
23 82 16 00-0072 4 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0058)</small>		
23 82 16 00-0073 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,169.89	84.58
For 10 Fins Per Inch, Add	20.01	
For 12 Fins Per Inch, Add	50.02	
23 82 16 00-0074 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,671.99	121.99
For 10 Fins Per Inch, Add	28.58	
For 12 Fins Per Inch, Add	71.46	
23 82 16 00-0075 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,302.55	203.32
For 10 Fins Per Inch, Add	37.92	
For 12 Fins Per Inch, Add	94.80	
23 82 16 00-0076 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,848.36	301.72
For 10 Fins Per Inch, Add	44.92	
For 12 Fins Per Inch, Add	112.30	
23 82 16 00-0077 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,306.12	370.04
For 10 Fins Per Inch, Add	51.34	
For 12 Fins Per Inch, Add	128.34	
23 82 16 00-0078 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,937.10	452.18
For 10 Fins Per Inch, Add	60.67	
For 12 Fins Per Inch, Add	151.67	
23 82 16 00-0079 EA 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,409.51	542.45
For 10 Fins Per Inch, Add	66.50	
For 12 Fins Per Inch, Add	166.26	
23 82 16 00-0080 EA 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,373.06	631.43
For 10 Fins Per Inch, Add	62.20	
For 12 Fins Per Inch, Add	155.51	
23 82 16 00-0081 EA 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,674.16	272.53
For 10 Fins Per Inch, Add	42.58	
For 12 Fins Per Inch, Add	106.45	
23 82 16 00-0082 EA 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,448.64	409.90
For 10 Fins Per Inch, Add	52.58	
For 12 Fins Per Inch, Add	131.44	
23 82 16 00-0083 EA 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,272.69	720.97
For 10 Fins Per Inch, Add	76.61	
For 12 Fins Per Inch, Add	191.54	
23 82 16 00-0084 EA 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,046.37	840.20
For 10 Fins Per Inch, Add	87.32	
For 12 Fins Per Inch, Add	218.30	
23 82 16 00-0085 6 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0058)</small>		
23 82 16 00-0086 EA 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,497.41	106.54
For 10 Fins Per Inch, Add	25.67	
For 12 Fins Per Inch, Add	64.17	
23 82 16 00-0087 EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,748.16	159.40
For 10 Fins Per Inch, Add	28.58	
For 12 Fins Per Inch, Add	71.46	
23 82 16 00-0088 EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,554.76	271.64
For 10 Fins Per Inch, Add	40.25	
For 12 Fins Per Inch, Add	100.63	
23 82 16 00-0089 EA 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,292.55	406.64
For 10 Fins Per Inch, Add	49.59	
For 12 Fins Per Inch, Add	123.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0090 EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,312.57	508.30
For 10 Fins Per Inch, Add	65.92	
For 12 Fins Per Inch, Add	164.80	
23 82 16 00-0091 EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,926.34	625.42
For 10 Fins Per Inch, Add	73.50	
For 12 Fins Per Inch, Add	183.76	
23 82 16 00-0092 EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,737.20	739.27
For 10 Fins Per Inch, Add	85.17	
For 12 Fins Per Inch, Add	212.93	
23 82 16 00-0093 EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,551.01	861.51
For 10 Fins Per Inch, Add	76.56	
For 12 Fins Per Inch, Add	191.40	
23 82 16 00-0094 EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,365.14	372.40
For 10 Fins Per Inch, Add	52.41	
For 12 Fins Per Inch, Add	131.02	
23 82 16 00-0095 EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,352.58	558.56
For 10 Fins Per Inch, Add	64.71	
For 12 Fins Per Inch, Add	161.77	
23 82 16 00-0096 EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,494.70	833.29
For 10 Fins Per Inch, Add	76.56	
For 12 Fins Per Inch, Add	191.41	
23 82 16 00-0097 EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,078.60	977.48
For 10 Fins Per Inch, Add	82.47	
For 12 Fins Per Inch, Add	206.18	
23 82 16 00-0098 8 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0099 EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,862.41	128.50
For 10 Fins Per Inch, Add	32.08	
For 12 Fins Per Inch, Add	80.21	
23 82 16 00-0100 EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,263.46	198.44
For 10 Fins Per Inch, Add	37.33	
For 12 Fins Per Inch, Add	93.34	
23 82 16 00-0101 EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,405.23	353.78
For 10 Fins Per Inch, Add	53.96	
For 12 Fins Per Inch, Add	134.90	
23 82 16 00-0102 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,555.35	542.45
For 10 Fins Per Inch, Add	69.42	
For 12 Fins Per Inch, Add	173.55	
23 82 16 00-0103 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,482.72	678.27
For 10 Fins Per Inch, Add	82.55	
For 12 Fins Per Inch, Add	206.36	
23 82 16 00-0104 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,380.91	813.28
For 10 Fins Per Inch, Add	95.09	
For 12 Fins Per Inch, Add	237.72	
23 82 16 00-0105 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,320.01	903.55
For 10 Fins Per Inch, Add	110.25	
For 12 Fins Per Inch, Add	275.64	
23 82 16 00-0106 EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,402.53	1,048.07
For 10 Fins Per Inch, Add	86.13	
For 12 Fins Per Inch, Add	215.32	
23 82 16 00-0107 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,855.62	453.81
For 10 Fins Per Inch, Add	58.96	
For 12 Fins Per Inch, Add	147.40	
23 82 16 00-0108 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,004.43	682.26
For 10 Fins Per Inch, Add	72.80	
For 12 Fins Per Inch, Add	181.99	
23 82 16 00-0109 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,360.38	1,026.84
For 10 Fins Per Inch, Add	86.13	
For 12 Fins Per Inch, Add	215.33	
23 82 16 00-0110 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,031.09	1,196.01
For 10 Fins Per Inch, Add	92.78	
For 12 Fins Per Inch, Add	231.95	
23 82 16 00-0111 Hot Water Heating Coils (23 82 16)		
Note: Flanged construction.		
23 82 16 00-0112 1 Row Hot Water Heating Coils (23 82 16 00-0111)		
23 82 16 00-0113 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	861.50	109.79
For 10 Fins Per Inch, Add	12.83	
For 12 Fins Per Inch, Add	32.08	
For 230 PSIG Heavy Duty, Add	194.28	
23 82 16 00-0114 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,272.15	140.69
For 10 Fins Per Inch, Add	19.83	
For 12 Fins Per Inch, Add	49.59	
For 230 PSIG Heavy Duty, Add	282.47	
23 82 16 00-0115 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,553.99	193.56
For 10 Fins Per Inch, Add	23.33	
For 12 Fins Per Inch, Add	58.34	
For 230 PSIG Heavy Duty, Add	349.53	
23 82 16 00-0116 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,854.73	271.64
For 10 Fins Per Inch, Add	26.25	
For 12 Fins Per Inch, Add	65.63	
For 230 PSIG Heavy Duty, Add	425.16	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0117 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,109.02 29.17 72.92 486.87	325.31
23 82 16 00-0118 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,475.85 33.25 83.13 576.50	406.64
23 82 16 00-0119 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,770.38 37.33 93.34 644.44	451.37
23 82 16 00-0120 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,419.65 47.32 118.31 789.28	524.81
23 82 16 00-0121 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,476.46 20.43 51.08 340.78	227.39
23 82 16 00-0122 EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,214.67 30.65 76.62 511.16	341.17
23 82 16 00-0123 EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,330.68 45.97 114.93 769.34	516.02
23 82 16 00-0124 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,877.67 53.63 134.08 895.13	598.00
23 82 16 00-0125 SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	177.62 2.35 5.87 41.54	30.09
23 82 16 00-0126 2 Row Hot Water Heating Coils <small>(23 82 16 00-0111)</small>		
23 82 16 00-0127 EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,379.48 22.17 55.42 303.01	135.82
23 82 16 00-0128 EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,499.01 22.75 56.88 335.95	180.55
23 82 16 00-0129 EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,029.74 29.75 74.38 460.17	271.64
23 82 16 00-0130 EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,466.29 33.83 84.59 570.71	387.12
23 82 16 00-0131 EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,852.71 37.92 94.80 666.22	478.20
23 82 16 00-0132 EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,057.74 37.92 94.80 727.73	580.69
23 82 16 00-0133 EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,455.56 42.00 105.00 826.66	678.27
23 82 16 00-0134 EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	4,238.08 53.24 133.10 1,005.23	788.07
23 82 16 00-0135 EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,829.28 22.99 57.46 433.86	340.03
23 82 16 00-0136 EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,745.64 34.48 86.20 651.30	510.82
23 82 16 00-0137 EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	4,126.19 51.72 129.29 979.27	770.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0138	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,816.19	899.65
			<i>For 10 Fins Per Inch, Add</i>	60.34	
			<i>For 12 Fins Per Inch, Add</i>	150.85	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,143.17	
23 82 16 00-0139			Steam Heating Coils <small>(23 82 16)</small>		
			Note: Flanged construction.		
23 82 16 00-0140	EA		12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	968.72	76.45
			<i>For 2 Row Coil, Add</i>	321.02	
			<i>For 4 Row Coil, Add</i>	840.34	
23 82 16 00-0141	EA		12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	1,086.28	105.72
			<i>For 2 Row Coil, Add</i>	368.13	
			<i>For 4 Row Coil, Add</i>	959.86	
23 82 16 00-0142	EA		24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	1,457.48	189.49
			<i>For 2 Row Coil, Add</i>	512.90	
			<i>For 4 Row Coil, Add</i>	1,328.64	
23 82 16 00-0143	EA		24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,854.73	271.64
			<i>For 2 Row Coil, Add</i>	664.86	
			<i>For 4 Row Coil, Add</i>	1,716.92	
23 82 16 00-0144	EA		30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	2,079.85	325.31
			<i>For 2 Row Coil, Add</i>	754.08	
			<i>For 4 Row Coil, Add</i>	1,943.65	
23 82 16 00-0145	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	2,359.18	406.64
			<i>For 2 Row Coil, Add</i>	870.41	
			<i>For 4 Row Coil, Add</i>	2,237.05	
23 82 16 00-0146	EA		30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,595.38	451.37
			<i>For 2 Row Coil, Add</i>	959.34	
			<i>For 4 Row Coil, Add</i>	2,464.87	
23 82 16 00-0147	EA		30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,197.81	526.76
			<i>For 2 Row Coil, Add</i>	1,170.04	
			<i>For 4 Row Coil, Add</i>	3,011.24	
23 82 16 00-0148	EA		34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	1,380.68	227.39
			<i>For 2 Row Coil, Add</i>	505.18	
			<i>For 4 Row Coil, Add</i>	1,300.13	
23 82 16 00-0149	EA		34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	2,071.01	341.17
			<i>For 2 Row Coil, Add</i>	757.76	
			<i>For 4 Row Coil, Add</i>	1,950.19	
23 82 16 00-0150	EA		34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	3,104.79	510.82
			<i>For 2 Row Coil, Add</i>	1,135.78	
			<i>For 4 Row Coil, Add</i>	2,923.17	
23 82 16 00-0151	EA		34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,626.27	598.00
			<i>For 2 Row Coil, Add</i>	1,327.08	
			<i>For 4 Row Coil, Add</i>	3,415.30	
23 82 16 00-0152			Hot Water Preheat Coils For Multi-Zone Air Handling Units <small>(23 82 16)</small>		
			Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 00-0153	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,118.84	103.29
			<i>For Units <16,500 CFM, Add</i>	182.59	
23 82 16 00-0154	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,422.19	102.47
			<i>For Units <16,500 CFM, Add</i>	243.26	
23 82 16 00-0155	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,739.46	109.79
			<i>For Units <16,500 CFM, Add</i>	303.93	
23 82 16 00-0156	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,018.44	119.55
			<i>For Units <16,500 CFM, Add</i>	355.85	
23 82 16 00-0157	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,029.48	125.24
			<i>For Units <16,500 CFM, Add</i>	355.85	
23 82 16 00-0158	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,449.93	131.75
			<i>For Units <16,500 CFM, Add</i>	437.52	
23 82 16 00-0159	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,541.67	148.02
			<i>For Units <16,500 CFM, Add</i>	449.19	
23 82 16 00-0160	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,811.22	165.90
			<i>For Units <16,500 CFM, Add</i>	495.85	
23 82 16 00-0161	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,167.67	198.44
			<i>For Units <16,500 CFM, Add</i>	554.19	
23 82 16 00-0162	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,450.53	208.20
			<i>For Units >19,500 CFM, Add</i>	546.02	
23 82 16 00-0163	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,406.44	220.39
			<i>For Units >19,500 CFM, Add</i>	714.03	
23 82 16 00-0164	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,619.30	301.72
			<i>For Units >19,500 CFM, Add</i>	903.04	
23 82 16 00-0165	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	7,057.11	370.04
			<i>For Units >19,500 CFM, Add</i>	1,137.20	
23 82 16 00-0166	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	8,206.80	387.12
			<i>For Units >19,500 CFM, Add</i>	1,338.07	
23 82 16 00-0167	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	9,639.41	451.37
			<i>For Units >19,500 CFM, Add</i>	1,572.44	
23 82 16 00-0168			Standard Electric Slip-In Blast Coil Heater <small>(23 82 16)</small>		
23 82 16 00-0169			Electric Slip-In Blast Coil Heater With Open Coil Element <small>(23 82 16 00-0168)</small>		
23 82 16 00-0170	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	283.51	59.99
23 82 16 00-0171	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	293.50	64.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			23 82 16 00-0172 EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	305.30	70.90
			23 82 16 00-0173 EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	309.27	73.23
			23 82 16 00-0174 EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	319.46	77.92
			23 82 16 00-0175 EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	331.20	84.14
			23 82 16 00-0176 EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	379.76	94.27
			23 82 16 00-0177 EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	389.27	98.95
			23 82 16 00-0178 EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	397.05	102.07
			23 82 16 00-0179 EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	408.45	108.29
			23 82 16 00-0180 EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	444.56	114.53
			23 82 16 00-0181 EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	466.74	125.44
			23 82 16 00-0182 EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	488.77	136.34
			23 82 16 00-0183 EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	511.08	147.25
			23 82 16 00-0184 EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	672.32	205.69
			23 82 16 00-0185 EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,131.36	218.93
			23 82 16 00-0186 EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,248.34	250.88
			23 82 16 00-0187 EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,466.43	278.15
			23 82 16 00-0188 EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,543.66	302.30
			23 82 16 00-0189 EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,691.54	331.91
			23 82 16 00-0190 EA 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,053.48	354.50
			23 82 16 00-0191 EA 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,251.91	380.99
			23 82 16 00-0192 EA 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,710.52	411.38
			23 82 16 00-0193 EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,045.24	447.21
			23 82 16 00-0194 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 00-0186)		
			23 82 16 00-0195 EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	710.94	85.70
			23 82 16 00-0196 EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	742.78	93.50
			23 82 16 00-0197 EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	759.48	93.50
			23 82 16 00-0198 EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	793.67	102.84
			23 82 16 00-0199 EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,072.52	102.84
			23 82 16 00-0200 EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,099.24	102.84
			23 82 16 00-0201 EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,116.56	114.53
			23 82 16 00-0202 EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,138.20	128.56
			23 82 16 00-0203 EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,153.23	128.56
			23 82 16 00-0204 EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,339.69	147.25
			23 82 16 00-0205 EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,600.17	147.25
			23 82 16 00-0206 EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,742.46	171.40
			23 82 16 00-0207 EA 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,358.60	171.40
			23 82 19 Fan Coil Units (23 82)		
			23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)		
			Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
			23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)		
			23 82 19 00-0003 EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,165.51	131.75
			23 82 19 00-0004 EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,286.64	153.71
			23 82 19 00-0005 EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,425.95	173.23
			23 82 19 00-0006 EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,653.30	198.44
			23 82 19 00-0007 EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,850.36	208.20
			For 2-Way Valve Instead Of 3-Way, Deduct	-96.28	
			23 82 19 00-0008 EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,501.18	220.39
			For 2-Way Valve Instead Of 3-Way, Deduct	-97.97	
			23 82 19 00-0009 EA 1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,030.83	239.11
			For 2-Way Valve Instead Of 3-Way, Deduct	-100.88	
			23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)		
			23 82 19 00-0011 EA 200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	659.93	131.75
			For 2-Way Valve Instead Of 3-Way, Deduct	-48.12	
			23 82 19 00-0012 EA 300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	801.68	153.71
			For 2-Way Valve Instead Of 3-Way, Deduct	-50.35	
			23 82 19 00-0013 EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	948.85	173.23
			For 2-Way Valve Instead Of 3-Way, Deduct	-52.30	
			23 82 19 00-0014 EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,771.10	198.44
			For 2-Way Valve Instead Of 3-Way, Deduct	-54.84	
			23 82 19 00-0015 EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,987.79	209.01
			For 2-Way Valve Instead Of 3-Way, Deduct	-96.28	
			23 82 19 00-0016 EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,697.53	220.39
			For 2-Way Valve Instead Of 3-Way, Deduct	-97.97	
			23 82 19 00-0017 EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,403.87	239.11
			For 2-Way Valve Instead Of 3-Way, Deduct	-100.88	
			23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units (23 82 19)		
			Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
			23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0020	EA		200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,126.24	130.93
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-142.70	
			<i>For Thru-Wall Sleeve, Add</i>	107.47	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.12	
23 82 19 00-0021	EA		300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,288.60	153.71
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-162.60	
			<i>For Thru-Wall Sleeve, Add</i>	116.38	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.35	
23 82 19 00-0022	EA		400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,524.12	173.23
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-194.01	
			<i>For Thru-Wall Sleeve, Add</i>	124.22	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.30	
23 82 19 00-0023	EA		600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,751.47	198.44
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-223.05	
			<i>For Thru-Wall Sleeve, Add</i>	134.34	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.84	
23 82 19 00-0024	EA		800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,968.16	209.01
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-253.52	
			<i>For Thru-Wall Sleeve, Add</i>	138.41	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-96.28	
23 82 19 00-0025	EA		1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,501.18	220.39
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-331.22	
			<i>For Thru-Wall Sleeve, Add</i>	142.92	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-97.97	
23 82 19 00-0026	EA		1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,932.66	239.11
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-392.06	
			<i>For Thru-Wall Sleeve, Add</i>	150.68	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-100.88	
23 82 19 00-0027			Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028	EA		200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,244.04	130.93
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-160.37	
			<i>For Thru-Wall Sleeve, Add</i>	107.47	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.12	
23 82 19 00-0029	EA		300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,406.41	153.71
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-180.27	
			<i>For Thru-Wall Sleeve, Add</i>	116.38	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.35	
23 82 19 00-0030	EA		400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,720.46	173.23
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-223.46	
			<i>For Thru-Wall Sleeve, Add</i>	124.22	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.30	
23 82 19 00-0031	EA		600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,967.44	198.44
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-255.44	
			<i>For Thru-Wall Sleeve, Add</i>	134.34	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.84	
23 82 19 00-0032	EA		800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,184.13	209.01
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-285.91	
			<i>For Thru-Wall Sleeve, Add</i>	138.41	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-96.28	
23 82 19 00-0033	EA		1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,599.35	220.39
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-345.94	
			<i>For Thru-Wall Sleeve, Add</i>	142.92	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-97.97	
23 82 19 00-0034	EA		1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,030.83	239.11
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-406.78	
			<i>For Thru-Wall Sleeve, Add</i>	150.68	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-100.88	
23 82 19 00-0035			Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
			Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036	EA		Remove And Reinstall Fan Coil Unit Horizontal Or Vertical.....	345.78	
23 82 29			Radiators <small>(23 82)</small>		
23 82 29 00-0001			Demo Cast Iron Radiators <small>(23 82 29)</small>		
23 82 29 00-0002	LF		Demo Cast Iron Radiator	24.38	
23 82 29 00-0003	EA		Cap Radiator.....	33.49	
23 82 29 00-0004			Cast Iron Radiator <small>(23 82 29)</small>		
23 82 29 00-0005	EA		19" High Cast Iron Radiator Section, Free Standing.....	37.28	6.83
			<i>For Wall Support Bracket, Add</i>	24.97	
23 82 29 00-0006	EA		25" High Cast Iron Radiator Section, Free Standing.....	52.86	6.83
			<i>For Wall Support Bracket, Add</i>	26.02	
23 82 29 00-0007	EA		30" High Cast Iron Radiator Section, Free Standing.....	61.52	8.13
23 82 29 00-0008	EA		36" High Cast Iron Radiator Section, Free Standing.....	77.49	8.94
23 82 29 00-0009	EA		20" High Cast Iron Radiator Section, Recessed With Grille.....	51.67	10.66
23 82 29 00-0010			Radiator Covers <small>(23 82 29)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0011 SF Stainless Steel Radiator Cover	30.66	4.23
23 82 29 00-0012 SF Galvanized Steel Radiator Cover, Primed And Painted.....	25.73	4.23
 23 82 29 00-0013 Remove And Reinstall Radiator (23 82 29)		
Note: Includes storage and cleaning.		
23 82 29 00-0014 LF Remove And Reinstall Cast Iron Radiator	61.00	
23 82 29 00-0015 LF Remove And Reinstall Electric Radiator	40.66	
23 82 29 00-0016 LF Remove And Reinstall Hot Water Radiator.....	48.80	
 23 82 33 Convectors (23 82)		
23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33)		
Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0003 EA 20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	357.76	89.46
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	46.67	
For Snap-On Inlet Grille, Add	37.11	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	77.77	
23 82 33 00-0004 EA 20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	419.46	97.60
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	50.36	
For Snap-On Inlet Grille, Add	39.57	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	95.06	
23 82 33 00-0005 EA 20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	483.45	115.48
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	58.45	
For Snap-On Inlet Grille, Add	44.97	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	108.02	
23 82 33 00-0006 EA 20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	577.83	134.19
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	66.99	
For Snap-On Inlet Grille, Add	50.66	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	131.09	
23 82 33 00-0007 EA 20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	689.32	161.03
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	79.18	
For Snap-On Inlet Grille, Add	58.79	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	155.89	
23 82 33 00-0008 EA 20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	774.43	177.13
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	86.49	
For Snap-On Inlet Grille, Add	63.66	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	177.14	
23 82 33 00-0009 EA 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	902.19	214.70
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	103.56	
For Snap-On Inlet Grille, Add	75.04	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	201.94	
23 82 33 00-0010 EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	983.27	228.13
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	109.67	
For Snap-On Inlet Grille, Add	79.11	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	223.20	
23 82 33 00-0011 EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,074.51	254.96
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	121.85	
For Snap-On Inlet Grille, Add	87.24	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	240.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0012 EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,186.06	281.80
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	134.06	
For Snap-On Inlet Grille, Add	95.38	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	265.71	
23 82 33 00-0013 EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,277.31	308.64
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	146.25	
For Snap-On Inlet Grille, Add	103.50	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	283.43	
23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0015 EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	423.39	117.68
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	58.95	
For Snap-On Inlet Grille, Add	45.30	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	86.42	
23 82 33 00-0016 EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	496.75	136.72
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	67.49	
For Snap-On Inlet Grille, Add	50.99	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	102.13	
23 82 33 00-0017 EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	599.75	160.55
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	78.19	
For Snap-On Inlet Grille, Add	58.12	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	125.70	
23 82 33 00-0018 EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	700.66	179.00
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	86.47	
For Snap-On Inlet Grille, Add	63.65	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	151.35	
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	815.89	201.29
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	96.50	
For Snap-On Inlet Grille, Add	70.33	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	179.98	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	911.23	218.04
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	104.06	
For Snap-On Inlet Grille, Add	75.38	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	204.52	
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,039.22	248.45
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	117.92	
For Snap-On Inlet Grille, Add	84.61	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	233.16	
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,131.84	263.66
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	124.67	
For Snap-On Inlet Grille, Add	89.11	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	257.70	
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,225.48	287.49
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	135.23	
For Snap-On Inlet Grille, Add	96.15	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	278.15	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,342.85	310.84
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	145.90	
For Snap-On Inlet Grille, Add	103.27	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	306.78	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,433.29	332.22
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	155.50	
For Snap-On Inlet Grille, Add	109.67	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	327.24	
23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	488.35	143.14
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	71.03	
For Snap-On Inlet Grille, Add	53.35	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	95.06	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	583.31	173.23
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	84.70	
For Snap-On Inlet Grille, Add	62.47	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	112.34	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	701.71	202.51
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	98.00	
For Snap-On Inlet Grille, Add	71.33	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	138.26	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	809.07	220.07
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	106.03	
For Snap-On Inlet Grille, Add	76.68	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	166.48	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	925.63	237.80
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	114.00	
For Snap-On Inlet Grille, Add	82.00	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	197.97	
23 82 33 00-0032 EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,028.96	254.96
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	121.85	
For Snap-On Inlet Grille, Add	87.24	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	224.97	
23 82 33 00-0033 EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,151.64	276.43
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	131.66	
For Snap-On Inlet Grille, Add	93.77	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	256.47	
23 82 33 00-0034 EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,255.77	294.16
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	139.76	
For Snap-On Inlet Grille, Add	99.17	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	283.47	
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,349.33	314.00
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	148.55	
For Snap-On Inlet Grille, Add	105.03	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	305.96	
23 82 33 00-0036 EA 32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,468.55	332.80
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	157.32	
For Snap-On Inlet Grille, Add	110.88	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	337.46	
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,556.81	348.90
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	164.51	
For Snap-On Inlet Grille, Add	115.67	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	359.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 82 33 00-0038		Electric Convectors, Floor Standing Units <small>(23 82 33)</small>			
23 82 33 00-0039		4" Deep Electric Convectors <small>(23 82 33 00-0038)</small>			
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	435.65		83.76
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	482.32		83.76
23 82 33 00-0042		6" Deep Electric Convectors <small>(23 82 33 00-0038)</small>			
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	503.86		83.76
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	575.66		83.76
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	638.48		83.76
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	737.21		83.76
23 82 36		Finned-Tube Radiation Heaters <small>(23 82)</small>			
23 82 36 00-0001		Electric Baseboard Heating <small>(23 82 36)</small> Note: Includes 24 gauge steel enclosure and heating element			
23 82 36 00-0002		Electric Wall Heating 10" Enclosure <small>(23 82 36 00-0001)</small>			
23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	100.38		46.54
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	102.54		46.54
23 82 36 00-0005		Electric Wall Heating 16" Enclosure <small>(23 82 36 00-0001)</small>			
23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	121.92		46.54
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	127.31		46.54
23 82 36 00-0008		Finned Tube Baseboard Units <small>(23 82 36)</small> Note: Complete with steel enclosure. Single heating element.			
23 82 36 00-0009		3/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>			
23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	239.86		31.72
		For 90 Degree Corner, Add	40.69		
		For Valve Enclosure, Add	40.69		
		For Filler Piece, Add	33.69		
		For End Cap, Add	27.95		
		For Copper Tube With Aluminum Fins, Add	4.75		
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	314.46		47.98
		For 90 Degree Corner, Add	46.97		
		For Valve Enclosure, Add	46.97		
		For Filler Piece, Add	39.97		
		For End Cap, Add	32.03		
		For Copper Tube With Aluminum Fins, Add	7.13		
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	376.14		63.43
		For 90 Degree Corner, Add	50.66		
		For Valve Enclosure, Add	50.66		
		For Filler Piece, Add	43.66		
		For End Cap, Add	34.43		
		For Copper Tube With Aluminum Fins, Add	9.51		
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	468.64		88.81
		For 90 Degree Corner, Add	60.75		
		For Valve Enclosure, Add	60.75		
		For Filler Piece, Add	53.75		
		For End Cap, Add	40.99		
		For Copper Tube With Aluminum Fins, Add	11.82		
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	560.80		106.70
		For 90 Degree Corner, Add	70.99		
		For Valve Enclosure, Add	70.99		
		For Filler Piece, Add	63.99		
		For End Cap, Add	47.65		
		For Copper Tube With Aluminum Fins, Add	14.07		
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	632.30		113.86
		For 90 Degree Corner, Add	75.06		
		For Valve Enclosure, Add	75.06		
		For Filler Piece, Add	68.06		
		For End Cap, Add	50.29		
		For Copper Tube With Aluminum Fins, Add	16.88		
23 82 36 00-0016	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	697.17		125.82
		For 90 Degree Corner, Add	81.90		
		For Valve Enclosure, Add	81.90		
		For Filler Piece, Add	74.90		
		For End Cap, Add	54.73		
		For Copper Tube With Aluminum Fins, Add	18.57		
23 82 36 00-0017	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	795.50		142.33
		For 90 Degree Corner, Add	91.33		
		For Valve Enclosure, Add	91.33		
		For Filler Piece, Add	84.33		
		For End Cap, Add	60.86		
		For Copper Tube With Aluminum Fins, Add	21.39		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0018 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	877.13	156.56
<i>For 90 Degree Corner, Add</i>	99.47	
<i>For Valve Enclosure, Add</i>	99.47	
<i>For Filler Piece, Add</i>	92.47	
<i>For End Cap, Add</i>	66.15	
<i>For Copper Tube With Aluminum Fins, Add</i>	23.64	
23 82 36 00-0019 1" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0020 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	276.90	31.72
<i>For 90 Degree Corner, Add</i>	40.69	
<i>For Valve Enclosure, Add</i>	40.69	
<i>For Filler Piece, Add</i>	33.69	
<i>For End Cap, Add</i>	27.95	
<i>For Copper Tube With Aluminum Fins, Add</i>	6.79	
23 82 36 00-0021 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	370.01	47.98
<i>For 90 Degree Corner, Add</i>	46.97	
<i>For Valve Enclosure, Add</i>	46.97	
<i>For Filler Piece, Add</i>	39.97	
<i>For End Cap, Add</i>	32.03	
<i>For Copper Tube With Aluminum Fins, Add</i>	10.18	
23 82 36 00-0022 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	450.22	63.43
<i>For 90 Degree Corner, Add</i>	50.66	
<i>For Valve Enclosure, Add</i>	50.66	
<i>For Filler Piece, Add</i>	43.66	
<i>For End Cap, Add</i>	34.43	
<i>For Copper Tube With Aluminum Fins, Add</i>	13.58	
23 82 36 00-0023 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	560.83	88.81
<i>For 90 Degree Corner, Add</i>	60.77	
<i>For Valve Enclosure, Add</i>	60.77	
<i>For Filler Piece, Add</i>	53.77	
<i>For End Cap, Add</i>	41.00	
<i>For Copper Tube With Aluminum Fins, Add</i>	16.89	
23 82 36 00-0024 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	670.30	106.70
<i>For 90 Degree Corner, Add</i>	70.97	
<i>For Valve Enclosure, Add</i>	70.97	
<i>For Filler Piece, Add</i>	63.97	
<i>For End Cap, Add</i>	47.63	
<i>For Copper Tube With Aluminum Fins, Add</i>	20.10	
23 82 36 00-0025 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	763.88	113.86
<i>For 90 Degree Corner, Add</i>	75.06	
<i>For Valve Enclosure, Add</i>	75.06	
<i>For Filler Piece, Add</i>	68.06	
<i>For End Cap, Add</i>	50.29	
<i>For Copper Tube With Aluminum Fins, Add</i>	24.12	
23 82 36 00-0026 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	841.65	125.82
<i>For 90 Degree Corner, Add</i>	81.84	
<i>For Valve Enclosure, Add</i>	81.84	
<i>For Filler Piece, Add</i>	74.84	
<i>For End Cap, Add</i>	54.70	
<i>For Copper Tube With Aluminum Fins, Add</i>	26.53	
23 82 36 00-0027 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	962.16	142.33
<i>For 90 Degree Corner, Add</i>	91.33	
<i>For Valve Enclosure, Add</i>	91.33	
<i>For Filler Piece, Add</i>	84.33	
<i>For End Cap, Add</i>	60.86	
<i>For Copper Tube With Aluminum Fins, Add</i>	30.55	
23 82 36 00-0028 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,060.86	156.56
<i>For 90 Degree Corner, Add</i>	99.37	
<i>For Valve Enclosure, Add</i>	99.37	
<i>For Filler Piece, Add</i>	92.37	
<i>For End Cap, Add</i>	66.09	
<i>For Copper Tube With Aluminum Fins, Add</i>	33.77	
23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	313.93	31.72
<i>For 90 Degree Corner, Add</i>	40.69	
<i>For Valve Enclosure, Add</i>	40.69	
<i>For Filler Piece, Add</i>	33.69	
<i>For End Cap, Add</i>	27.95	
<i>For Copper Tube With Aluminum Fins, Add</i>	8.83	
23 82 36 00-0031 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	425.57	47.98
<i>For 90 Degree Corner, Add</i>	46.97	
<i>For Valve Enclosure, Add</i>	46.97	
<i>For Filler Piece, Add</i>	39.97	
<i>For End Cap, Add</i>	32.03	
<i>For Copper Tube With Aluminum Fins, Add</i>	13.24	
23 82 36 00-0032 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	524.29	63.43
<i>For 90 Degree Corner, Add</i>	50.66	
<i>For Valve Enclosure, Add</i>	50.66	
<i>For Filler Piece, Add</i>	43.66	
<i>For End Cap, Add</i>	34.43	
<i>For Copper Tube With Aluminum Fins, Add</i>	17.65	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0033	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	652.93	88.81
			<i>For 90 Degree Corner, Add</i>	60.77	
			<i>For Valve Enclosure, Add</i>	60.77	
			<i>For Filler Piece, Add</i>	53.77	
			<i>For End Cap, Add</i>	41.00	
			<i>For Copper Tube With Aluminum Fins, Add</i>	21.95	
23 82 36 00-0034	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	779.95	106.70
			<i>For 90 Degree Corner, Add</i>	70.97	
			<i>For Valve Enclosure, Add</i>	70.97	
			<i>For Filler Piece, Add</i>	63.97	
			<i>For End Cap, Add</i>	47.63	
			<i>For Copper Tube With Aluminum Fins, Add</i>	26.13	
23 82 36 00-0035	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	895.45	113.86
			<i>For 90 Degree Corner, Add</i>	75.06	
			<i>For Valve Enclosure, Add</i>	75.06	
			<i>For Filler Piece, Add</i>	68.06	
			<i>For End Cap, Add</i>	50.29	
			<i>For Copper Tube With Aluminum Fins, Add</i>	31.36	
23 82 36 00-0036	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	986.37	125.82
			<i>For 90 Degree Corner, Add</i>	81.84	
			<i>For Valve Enclosure, Add</i>	81.84	
			<i>For Filler Piece, Add</i>	74.84	
			<i>For End Cap, Add</i>	54.70	
			<i>For Copper Tube With Aluminum Fins, Add</i>	34.49	
23 82 36 00-0037	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,128.82	142.33
			<i>For 90 Degree Corner, Add</i>	91.33	
			<i>For Valve Enclosure, Add</i>	91.33	
			<i>For Filler Piece, Add</i>	84.33	
			<i>For End Cap, Add</i>	60.86	
			<i>For Copper Tube With Aluminum Fins, Add</i>	39.72	
23 82 36 00-0038	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,245.06	156.56
			<i>For 90 Degree Corner, Add</i>	99.37	
			<i>For Valve Enclosure, Add</i>	99.37	
			<i>For Filler Piece, Add</i>	92.37	
			<i>For End Cap, Add</i>	66.09	
			<i>For Copper Tube With Aluminum Fins, Add</i>	43.90	

23 82 39 Unit Heaters (23 82)**23 82 39 13 Cabinet Unit Heaters (23 82 39)**

23 82 39 13-0001			Electric Cabinet Unit Heaters (23 82 39 13)		
			Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002			Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0003	EA		2 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,173.54	105.76
			Note: Wall or floor mounted.		
23 82 39 13-0004	EA		3 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,190.76	105.76
			Note: Wall or floor mounted.		
23 82 39 13-0005	EA		4 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,207.98	105.76
			Note: Wall or floor mounted.		
23 82 39 13-0006	EA		5 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,225.19	105.76
			Note: Wall or floor mounted.		
23 82 39 13-0007	EA		6 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,242.41	105.76
			Note: Wall or floor mounted.		
23 82 39 13-0008	EA		7 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,259.63	105.76
			Note: Wall or floor mounted.		
23 82 39 13-0009	EA		8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,277.54	105.76
23 82 39 13-0010	EA		For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	141.29	70.22
23 82 39 13-0011			Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0012	EA		4 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,308.82	126.90
			Note: Wall or floor mounted.		
23 82 39 13-0013	EA		6 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,343.26	126.90
			Note: Wall or floor mounted.		
23 82 39 13-0014	EA		8 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,377.69	126.90
			Note: Wall or floor mounted.		
23 82 39 13-0015	EA		10 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,412.13	126.90
			Note: Wall or floor mounted.		
23 82 39 13-0016	EA		12 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,446.56	126.90
			Note: Wall or floor mounted.		
23 82 39 13-0017	EA		14 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,481.00	126.90
			Note: Wall or floor mounted.		
23 82 39 13-0018	EA		16 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,515.43	126.90
			Note: Wall or floor mounted.		
23 82 39 13-0019	EA		For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	169.21	84.60
23 82 39 13-0020			Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0021	EA		6 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	2,898.23	169.21
			Note: Wall or floor mounted.		
23 82 39 13-0022	EA		8 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	2,932.66	169.21
			Note: Wall or floor mounted.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,967.10	169.21
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,001.52	169.21
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,035.96	169.21
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,070.39	169.21
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add	211.50	105.76
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,418.78	211.50
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,470.43	211.50
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,522.07	211.50
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,573.72	211.50
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,625.38	211.50
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,677.03	211.50
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,728.68	211.50
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add	282.58	141.29
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,008.17	253.81
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,077.04	253.81
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,145.91	253.81
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,214.78	253.81
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,283.64	253.81
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,352.51	253.81
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,421.38	253.81
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add	338.41	169.21
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13)		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Remove And Reinstall Up To 58" Cabinet Unit Heater, Floor or Wall.....	223.65	
23 82 39 13-0048 EA Remove And Reinstall >58" Cabinet Unit Heater, Floor or Wall	386.32	
23 82 39 13-0049 EA Remove And Reinstall Up To 58" Cabinet Unit Heater, Ceiling.....	461.13	
23 82 39 13-0050 EA Remove And Reinstall >58" Cabinet Unit Heater, Ceiling.....	623.78	
23 82 39 16 Propeller Unit Heaters (23 82 39)		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)		
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	595.32	81.33
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	596.50	81.33
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	664.34	81.33
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	816.28	121.99
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	850.99	121.99
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	902.67	121.99
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,085.74	162.65
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,189.86	162.65
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,256.12	162.65
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,309.76	162.65
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,481.02	203.32
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,499.17	203.32
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,516.53	203.32
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,619.10	243.98
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,754.77	243.98
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,002.67	284.65
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,494.10	284.65
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,655.82	325.31
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,160.67	325.31
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	160.94	20.34
Note: Required only for unit heaters located within 7' of a working surface.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 82 39 16-0023		Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt ^(23 82 39 16-0001)	
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	862.83 81.33
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	900.29 121.99
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	968.53 121.99
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,192.24 162.65
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,259.28 162.65
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,497.62 243.98
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,600.16 243.98
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,686.15 243.98
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,885.13 284.65
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,986.90 284.65
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,192.77 284.65
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,543.09 365.97
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,227.79 365.97
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,437.62 365.97
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,911.78 406.64
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	219.32 20.34

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0040		Removal and Reinstallation of Propeller Unit Heaters ^(23 82 39 16)	
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.			
23 82 39 16-0041	EA	Remove And Reinstall Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	487.96
23 82 39 16-0042	EA	Remove And Reinstall >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	650.63

23 82 39 19 Wall and Ceiling Unit Heaters ^(23 82 39)

23 82 39 19-0001		Electric Unit Heaters ^(23 82 39 19)	
Note: May be mounted both vertically and horizontally.			
23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	628.81 84.60
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	628.81 84.60
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	844.12 105.76
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	967.68 126.90
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	1,413.38 169.21
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,061.87 211.50
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	2,849.23 253.81
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,171.35 296.11
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt.....	778.22 84.60
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt.....	749.05 84.60
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt.....	886.82 105.76
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt.....	1,023.23 126.90
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt.....	1,524.49 169.21

23 82 39 19-0015		Electric Ceiling and Wall Heaters ^(23 82 39 19)	
Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.			
23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater.....	280.49 48.23
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater.....	317.70 59.22
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	513.51 59.22
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater.....	318.56 52.88
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater.....	388.26 59.22
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater.....	584.07 59.22
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	418.94 69.79
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	781.30 74.03
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater.....	879.24 74.03
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,020.67 78.26
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,106.66 78.26
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater.....	469.81 69.79
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater.....	861.43 74.03
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	959.37 74.03

23 82 39 19-0030		Removal And Reinstallation Of Electric Unit Heaters ^(23 82 39 19)	
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.			
23 82 39 19-0031	EA	Remove And Reinstall Up To 15KW Electric Unit Heater.....	292.80
23 82 39 19-0032	EA	Remove And Reinstall >15 KW Electric Unit Heater.....	601.90

23 83 Radiant Heating Units ^(23 83)**23 83 13 Radiant-Heating Electric Cables ^(23 83)**

23 83 13 00-0001		Self Regulating Heating Cable ^(23 83 13)	
23 83 13 00-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	5.41 0.57
Note: Tinned copper braid, @ 50° F.			
For TPE Covering, Add			
			1.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 00-0003 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.93	0.57
<i>For TPE Covering, Add</i>	1.20	
23 83 13 00-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	6.40	0.57
<i>For TPE Covering, Add</i>	1.31	
23 83 13 00-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.57	0.57
<i>For TPE Covering, Add</i>	1.11	
23 83 13 00-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	6.08	0.57
<i>For TPE Covering, Add</i>	1.23	
23 83 13 00-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	6.60	0.57
<i>For TPE Covering, Add</i>	1.36	
23 83 13 00-0008 EA Power Connection Kit Note: Includes pre-set thermostat.	182.69	45.30
23 83 13 00-0009 EA Splice And Tee Kit	182.69	45.30
23 83 13 00-0010 EA End Seal Kit	108.57	8.23
23 83 13 00-0011 EA Ambient Air Sensing Thermostat	293.44	20.59
23 83 13 00-0012 EA Line Sensing Thermostat..... Note: Mechanical or electronic.	322.09	20.59

23 84 Humidity Control Equipment (23 80)

23 84 13 Humidifiers (23 84)

23 84 13 00-0001 Steam Type Pneumatically Controlled (23 84 13)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 00-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,105.37	214.70
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	342.45	
23 84 13 00-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,105.37	214.70
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	342.45	
23 84 13 00-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,548.86	214.70
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	475.50	
23 84 13 00-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,630.19	268.39
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	502.61	
23 84 13 00-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,278.08	214.70
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	694.27	
23 84 13 00-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,359.41	268.39
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	721.38	
23 84 13 00-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,498.82	268.39
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	1,063.20	
23 84 13 00-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	3,600.48	335.89
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	1,097.09	

23 84 13 00-0010 Electric Steam Humidifiers, Self-Steam Producing (23 84 13)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 00-0011 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	6,430.43	335.07
23 84 13 00-0012 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	8,116.05	335.89

23 84 13 00-0013 Residential Humidifiers (23 84 13)

Note: Includes solenoid valve and flow through water supply.

23 84 13 00-0014 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	337.94	40.66
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23 84 16 Mechanical Dehumidification Units (23 84)

23 84 16 00-0001 Self Contained Free Standing Unit (23 84 16)

Note: Sized by moisture removal per 24 hours.

23 84 16 00-0002 EA 12 Pint/24 Hour Dehumidifier	454.26	91.39
23 84 16 00-0003 EA 15 Pint/24 Hour Dehumidifier	489.32	91.39
23 84 16 00-0004 EA 20 Pint/24 Hour Dehumidifier.....	552.42	91.39
23 84 16 00-0005 EA 30 Pint/24 Hour Dehumidifier.....	629.55	91.39
23 84 16 00-0006 EA 40 Pint/24 Hour Dehumidifier.....	664.61	91.39
23 84 16 00-0007 EA 65 Pint/24 Hour Dehumidifier.....	732.71	91.39

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels where the number of terminations is not known.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 00-0001 Retrofit Distribution Enclosures ^(26 01 10)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 00-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	278.00
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	56.82
		<i>For > 20 To 50, Add</i>	45.45
		<i>For > 50 To 100, Add</i>	22.73
26 01 10 00-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	359.46
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	77.18
		<i>For > 20 To 50, Add</i>	61.74
		<i>For > 50 To 100, Add</i>	30.87
26 01 10 00-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	538.66
		Note: 4mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	121.98
		<i>For > 20 To 50, Add</i>	97.58
		<i>For > 50 To 100, Add</i>	48.79
26 01 10 00-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	275.68
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	56.24
		<i>For > 20 To 50, Add</i>	44.99
		<i>For > 50 To 100, Add</i>	22.49
26 01 10 00-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	277.11
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	56.59
		<i>For > 20 To 50, Add</i>	45.27
		<i>For > 50 To 100, Add</i>	22.64
26 01 10 00-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	352.82
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	75.52
		<i>For > 20 To 50, Add</i>	60.42
		<i>For > 50 To 100, Add</i>	30.21
26 01 10 00-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	523.93
		Note: 4mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	118.30
		<i>For > 20 To 50, Add</i>	94.64
		<i>For > 50 To 100, Add</i>	47.32
26 01 10 00-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	219.35
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	42.15
		<i>For > 20 To 50, Add</i>	33.72
		<i>For > 50 To 100, Add</i>	16.86
26 01 10 00-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	307.33
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	64.15
		<i>For > 20 To 50, Add</i>	51.32
		<i>For > 50 To 100, Add</i>	25.66
26 01 10 00-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	435.62
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	96.22
		<i>For > 20 To 50, Add</i>	76.98
		<i>For > 50 To 100, Add</i>	38.49
26 01 10 00-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	397.55
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	86.70
		<i>For > 20 To 50, Add</i>	69.36
		<i>For > 50 To 100, Add</i>	34.68
26 01 10 00-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	544.74
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	123.50
		<i>For > 20 To 50, Add</i>	98.80
		<i>For > 50 To 100, Add</i>	49.40

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 00-0014	EA		4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	994.28	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	235.89	
			For > 20 To 50, Add	188.71	
			For > 50 To 100, Add	94.35	
26 01 10 00-0015	EA		3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	456.05	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	101.33	
			For > 20 To 50, Add	81.06	
			For > 50 To 100, Add	40.53	
26 01 10 00-0016	EA		4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	669.17	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	154.61	
			For > 20 To 50, Add	123.69	
			For > 50 To 100, Add	61.84	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 00-0001			Lock Out/Tag Out Devices <small>(26 01 20)</small> Note: Includes the installation and removal of identifying markers and securing equipment.		
26 01 20 00-0002	EA		Lock Out/Tag Out Local Disconnect	20.59	
26 01 20 00-0003	EA		Lock Out/Tag Out Breaker Or Motor Starter	30.77	
26 01 20 00-0004	EA		Lock Out/Tag Out Tags.....	2.56	
26 01 20 00-0005	EA		Existing Circuit Tracing Per Device.....	17.13	

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment (26 01)

26 01 30 00-0001			Emergency Generator Permits <small>(26 01 30)</small>		
26 01 30 00-0002			Air Pollution Control Board <small>(26 01 30 00-0001)</small>		
26 01 30 00-0003	EA		APCD Permit To Construct And Operate Emergency Generator.....	2,365.94	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001			Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0139 for disposal of hazardous lamps.		
26 01 50 51-0002			Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003	EA		300 Watt, T3, Tungsten Halogen Lamp	38.60	
26 01 50 51-0004	EA		500 Watt, T3, Tungsten Halogen Lamp	51.78	
26 01 50 51-0005	EA		1,000 Watt, T3, Tungsten Halogen Lamp	80.11	
26 01 50 51-0006	EA		60 Watt, PAR38, Halogen Lamp	14.88	
26 01 50 51-0007	EA		75 Watt, PAR38, Halogen Lamp	14.88	
26 01 50 51-0008	EA		90 Watt, PAR38, Halogen Lamp	13.71	
26 01 50 51-0009	EA		100 Watt, PAR38, Halogen Lamp	13.71	
26 01 50 51-0010	EA		60-67 Watt, PAR38, Halogen IR Reflective Lamp.....	23.70	
26 01 50 51-0011	EA		70 Watt, PAR38, Halogen IR Reflective Lamp.....	22.52	
26 01 50 51-0012	EA		90 Watt, PAR38, Halogen IR Reflective Lamp.....	28.39	
26 01 50 51-0013	EA		100 Watt, PAR38, Halogen IR Reflective Lamp.....	28.71	
26 01 50 51-0014			Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0015	EA		100 Watt, Frosted, Interior Incandescent Lamp	2.73	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0016	EA		150 Watt, Frosted, Interior Incandescent Lamp	4.24	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0017	EA		200 Watt, Frosted, Interior Incandescent Lamp	5.92	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0018	EA		300 Watt, PS25, Interior Incandescent Lamp	8.02	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0019	EA		60 Watt, G25, Clear, Interior Incandescent Lamp	5.19	
			For Multiple Lamps In Fixture, Deduct	-0.67	
26 01 50 51-0020	EA		75 Watt, R20, Interior Incandescent Lamp.....	9.48	
			For Multiple Lamps In Fixture, Deduct	-0.81	
26 01 50 51-0021	EA		75 Watt, PAR38, Exterior Incandescent Lamp.....	12.43	
			For Multiple Lamps In Fixture, Deduct	-0.81	
26 01 50 51-0022	EA		100 Watt, PAR38, Exterior Incandescent Lamp.....	11.26	
			For Multiple Lamps In Fixture, Deduct	-0.81	
26 01 50 51-0023	EA		150 Watt, PAR38, Exterior Incandescent Lamp.....	22.42	
			For Multiple Lamps In Fixture, Deduct	-0.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0024 EA 250 Watt, PAR38, Exterior Incandescent Lamp.....	49.87	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.94	
26 01 50 51-0025 EA 300 Watt, PAR56, Exterior Incandescent Lamp.....	58.06	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.94	
26 01 50 51-0026 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0027 EA Convert Exit Light Lamps To Red LED Lamps	51.70	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0028 EA Fluorescent Lamp For Exit Light.....	15.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.69	
26 01 50 51-0029 EA Lamp Replacement For Emergency Lights On Exit Sign.....	30.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35	
26 01 50 51-0030 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0031 EA 18", 15 Watt, T8 Fluorescent Lamp	4.75	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0032 EA 2", 17 Watt, T8 Fluorescent Lamp	6.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0033 EA 3", 25 Watt, T8 Fluorescent Lamp	6.96	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0034 EA 4", 32 Watt, T8 Fluorescent Lamp	6.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0035 EA 4", 30 Watt, T8 Fluorescent Lamp	9.16	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0036 EA 4", 28 Watt, T8 Fluorescent Lamp	7.82	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0037 EA 4", 25 Watt, T8 Fluorescent Lamp	7.77	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0038 EA 4", 44 Watt, T8HO Fluorescent Lamp.....	13.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0039 EA 8", 59 Watt, T8 Fluorescent Lamp	9.92	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0040 EA 18", 15 Watt, T12 Fluorescent Lamp	7.97	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0041 EA 2", 20 Watt, T12 Fluorescent Lamp	5.66	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0042 EA 3", 30 Watt, T12 Fluorescent Lamp	6.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0043 EA 4", 34 Watt, T12 Fluorescent Lamp	6.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0044 EA 4", 40 Watt, T12 Fluorescent Lamp	6.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0045 EA 8", 60 Watt, T12 Fluorescent Lamp	10.21	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0046 EA 8", 75 Watt, T12 Fluorescent Lamp	8.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0047 EA 8", 95 Watt, Instant Start T12 Fluorescent Lamp.....	15.79	
26 01 50 51-0048 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	8.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0049 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	6.38	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0050 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	6.12	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0051 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	6.93	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0052 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	12.08	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35	
26 01 50 51-0053 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	11.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35	
26 01 50 51-0054 EA 6", 4 Watt, T5 Fluorescent Lamp	5.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0055 EA 9", 6 Watt, T5 Fluorescent Lamp	5.33	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0056 EA 12", 8 Watt, T5 Fluorescent Lamp	5.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0057 EA 21", 13 Watt, T5 Fluorescent Lamp	5.87	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0058 EA 24", 14 Watt, T5 Fluorescent Lamp	7.01	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0059 EA 34", 21 Watt, T5 Fluorescent Lamp	7.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0060 EA 46", 28 Watt, T5 Fluorescent Lamp	7.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0061 EA 46", 54 Watt T5HO Fluorescent Lamp	8.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0062 EA 46", 54 Watt T5 Fluorescent Lamp	9.51	
26 01 50 51-0063 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	4.56	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.67	
26 01 50 51-0064 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	5.15	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.67	
26 01 50 51-0065 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	11.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-0.67	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01	50 51-0066	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	14.87	
26 01	50 51-0067	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	14.87	
26 01	50 51-0068	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin.....	30.00	
26 01	50 51-0069	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	10.25	
26 01	50 51-0070	EA	9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.03	
26 01	50 51-0071	EA	29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.03	
26 01	50 51-0072	EA	33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In	21.03	
26 01	50 51-0073	EA	43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In	23.04	
26 01	50 51-0074	EA	85 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	44.86	
26 01	50 51-0075	EA	105 Watt Spiral Compact Fluorescent Lamps, Screw-In	53.95	
26 01	50 51-0076	EA	11 Watt Compact Fluorescent Reflector Lamps, Screw-In	19.33	
26 01	50 51-0077	EA	15 Watt Compact Fluorescent Reflector Lamps, Screw-In	20.22	
26 01	50 51-0078	EA	20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In	23.55	
26 01 50 51-0079 Metal Halide Lamps (26 01 50 51-0001)					
26 01	50 51-0080	EA	50 Watt, Pulse Start Metal Halide Lamp	19.49	
			<i>For Pulse Start Lamps, Add</i>	1.26	
26 01	50 51-0081	EA	70 Watt, Pulse Start Metal Halide Lamp	23.15	
			<i>For Pulse Start Lamps, Add</i>	1.62	
26 01	50 51-0082	EA	100 Watt, Pulse Start Metal Halide Lamp	24.12	
			<i>For Pulse Start Lamps, Add</i>	1.72	
26 01	50 51-0083	EA	150 Watt, Pulse Start Metal Halide Lamp	25.69	
			<i>For Pulse Start Lamps, Add</i>	1.88	
26 01	50 51-0084	EA	175 Watt, Probe Start Metal Halide Lamp.....	21.87	
26 01	50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp	30.38	
26 01	50 51-0086	EA	250 Watt, Probe Start Metal Halide Lamp.....	19.62	
26 01	50 51-0087	EA	250 Watt, Pulse Start Metal Halide Lamp	27.65	
26 01	50 51-0088	EA	400 Watt, Probe Start Metal Halide Lamp.....	22.11	
26 01	50 51-0089	EA	400 Watt, Pulse Start Metal Halide Lamp	27.89	
26 01	50 51-0090	EA	1,000 Watt, Probe Start Metal Halide Lamp.....	28.84	
26 01	50 51-0091	EA	1,000 Watt, Pulse Start Metal Halide Lamp	32.10	
26 01	50 51-0092	EA	1,500 Watt, Probe Start Metal Halide Lamp.....	36.30	
26 01 50 51-0093 High Pressure Sodium Lamps (26 01 50 51-0001)					
26 01	50 51-0094	EA	35 Watt, High Pressure Sodium Lamp.....	18.78	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01	50 51-0095	EA	50 Watt, High Pressure Sodium Lamp.....	18.78	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01	50 51-0096	EA	70 Watt, High Pressure Sodium Lamp.....	19.08	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01	50 51-0097	EA	100 Watt, High Pressure Sodium Lamp	19.72	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01	50 51-0098	EA	150 Watt, High Pressure Sodium Lamp	20.27	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01	50 51-0099	EA	250 Watt, High Pressure Sodium Lamp	18.89	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01	50 51-0100	EA	400 Watt, High Pressure Sodium Lamp	20.83	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.04	
26 01	50 51-0101	EA	1,000 Watt, High Pressure Sodium Lamp.....	47.83	
26 01 50 51-0102 Low Pressure Sodium Lamps (26 01 50 51-0001)					
26 01	50 51-0103	EA	35 Watt, Low Pressure Sodium Lamp	47.75	
26 01	50 51-0104	EA	55 Watt, Low Pressure Sodium Lamp.....	53.68	
26 01	50 51-0105	EA	70 Watt, Low Pressure Sodium Lamp.....	55.02	
26 01	50 51-0106	EA	90 Watt, Low Pressure Sodium Lamp.....	56.36	
26 01	50 51-0107	EA	135 Watt, Low Pressure Sodium Lamp.....	61.70	
26 01	50 51-0108	EA	180 Watt, Low Pressure Sodium Lamp.....	85.76	
26 01 50 51-0109 LED Lamps (26 01 50 51-0001)					
26 01	50 51-0110	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	12.43	
26 01	50 51-0111	EA	8 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	21.90	
26 01	50 51-0112	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	29.12	
26 01	50 51-0113	EA	13.5 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	23.95	
26 01	50 51-0114	EA	8 Watt (40 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	25.12	
26 01	50 51-0115	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	42.42	
26 01	50 51-0116	EA	8 Watt (50 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	28.33	
26 01	50 51-0117	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	34.94	
26 01	50 51-0118	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	41.10	
26 01	50 51-0119	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	37.44	
26 01	50 51-0120	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	38.64	
26 01	50 51-0121	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	41.83	
26 01	50 51-0122	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	43.40	
26 01	50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	25.67	
26 01	50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	37.79	
26 01	50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	38.96	
26 01	50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	38.96	
26 01	50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	26.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0128 EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	39.55	
26 01 50 51-0129 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	35.43	
26 01 50 51-0130 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	41.32	
26 01 50 51-0131 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	39.55	
26 01 50 51-0132 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	41.32	
26 01 50 51-0133 EA 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	43.91	
26 01 50 51-0134 EA 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	42.49	
26 01 50 51-0135 EA 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	20.76	
26 01 50 51-0136 EA 6 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	25.29	
26 01 50 51-0137 EA 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	28.33	
26 01 50 51-0138 EA 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	36.10	
26 01 50 51-0139 Recycle Hazardous Lamps <small>(26 01 50 51)</small>		
<small>Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.</small>		
26 01 50 51-0140 EA Recycle 2' Length Linear Fluorescent Lamps	0.23	
26 01 50 51-0141 EA Recycle 3' Length Linear Fluorescent Lamps	0.34	
26 01 50 51-0142 EA Recycle 4' Length Linear Fluorescent Lamps	0.45	
26 01 50 51-0143 EA Recycle 6' Length Linear Fluorescent Lamps	0.68	
26 01 50 51-0144 EA Recycle 8' Length Linear Fluorescent Lamps	0.91	
26 01 50 51-0145 EA Recycle Compact Fluorescent Lamps	0.41	
26 01 50 51-0146 EA Recycle U-Shaped Or Circular Fluorescent Lamps	0.41	
26 01 50 51-0147 EA Recycle HID Lamps	1.42	
26 01 50 52 Ballasts And Accessories <small>(26 01 50)</small>		
26 01 50 52-0001 Owner Supplied Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0002 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	8.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 01 50 52-0003 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	10.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 01 50 52-0004 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	11.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 01 50 52-0005 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	12.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.90	
26 01 50 52-0006 EA Install Owner Supplied, 1 Lamp HID Ballast.....	14.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0007 EA Install Owner Supplied, 2 Lamp HID Ballast.....	15.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0008 HID Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0009 Magnetic HID Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0010 Core And Coil HID Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0011 Metal Halide, Core And Coil HID Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0012 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	87.88	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0013 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	90.26	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0014 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	90.26	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0015 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	79.56	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0016 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	79.56	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0017 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	128.89	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0018 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	128.89	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0019 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil HID Ballast	168.89	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0020 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil HID Ballast	189.29	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0021 High Pressure Sodium, Core And Coil HID Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0022 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	78.47	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0023 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	83.79	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0024 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	81.50	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0025 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	97.49	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0026 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	95.21	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0027 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	110.05	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0028 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	110.05	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0029 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	134.74	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0030 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	134.74	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0031 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil HID Ballast.....	221.36	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0032 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil HID Ballast.....	221.36	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0033 Mounting Brackets For Core And Coil HID Ballasts (26 01 50 52-0010)		
26 01 50 52-0034 EA Single Mounting Bracket For Core And Coil Type	7.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 01 50 52-0035 EA Double Mounting Bracket For Core And Coil Type	12.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 01 50 52-0036 F-Can HID Ballasts (26 01 50 52-0009)		
26 01 50 52-0037 Metal Halide, F-Can HID Ballasts (26 01 50 52-0036)		
26 01 50 52-0038 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	114.09	10.20
<i>For Pulse Start Ballast, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0039 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	120.69	10.20
<i>For Pulse Start Ballast, Add</i>	10.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0040 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	109.09	10.20
<i>For Pulse Start Ballast, Add</i>	9.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0041 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	128.16	10.20
<i>For Pulse Start Ballast, Add</i>	11.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0042 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can HID Ballast.....	181.58	10.20
<i>For Pulse Start Ballast, Add</i>	16.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0043 High Pressure Sodium, F-Can HID Ballasts (26 01 50 52-0036)		
26 01 50 52-0044 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can HID Ballast.....	139.11	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0045 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can HID Ballast.....	149.40	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0046 Postline HID Ballasts (26 01 50 52-0009)		
26 01 50 52-0047 Metal Halide, Postline HID Ballasts (26 01 50 52-0046)		
26 01 50 52-0048 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline HID Ballast.....	237.77	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0049 High Pressure Sodium, Postline HID Ballasts (26 01 50 52-0046)		
26 01 50 52-0050 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline HID Ballast.....	385.98	20.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.65	
26 01 50 52-0051 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline HID Ballast.....	429.85	20.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.65	
26 01 50 52-0052 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline HID Ballast.....	414.67	20.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.65	
26 01 50 52-0053 Indoor Enclosed HID Ballasts (26 01 50 52-0009)		
26 01 50 52-0054 Metal Halide, Indoor Enclosed HID Ballasts (26 01 50 52-0053)		
26 01 50 52-0055 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	294.92	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0056 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	336.00	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0057 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	446.79	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0058 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed HID Ballast.....	444.40	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0059 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	625.87	11.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0060 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed HID Ballast.....	625.87	11.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0061 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed HID Ballast.....	428.10	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0062 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed HID Ballast.....	505.31	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0063 High Pressure Sodium, Indoor Enclosed HID Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0064 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed HID Ballast.....	558.41	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0065 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed HID Ballast.....	531.20	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0066 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed HID Ballast.....	685.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0067 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed HID Ballast.....	685.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0068 Outdoor Weatherproof HID Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0069 Metal Halide, Outdoor Weatherproof HID Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0070 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	332.56	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0071 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	359.98	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0072 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	357.28	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0073 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof HID Ballast.....	375.65	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0074 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	601.91	11.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0075 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof HID Ballast.....	742.18	11.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 01 50 52-0076 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	561.60	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0077 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof HID Ballast.....	510.45	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0078 High Pressure Sodium, Outdoor Weatherproof HID Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0079 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	432.05	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0080 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof HID Ballast.....	466.64	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0081 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof HID Ballast.....	701.45	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0082 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof HID Ballast.....	602.24	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0083 Electronic HID Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0084 Electronic Low Frequency HID Ballasts <small>(26 01 50 52-0083)</small>		
26 01 50 52-0085 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	127.24	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0086 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	127.24	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0087 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	144.58	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0088 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0089 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0090 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0091 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0092 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency HID Ballast.....	387.48	10.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 01 50 52-0093 Retrofit Lighting Fixtures <small>(26 01 50 52)</small>		
26 01 50 52-0094 Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 52-0093)</small>		
Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0139 for hazardous lamp recycling.		
26 01 50 52-0095 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 52-0094)</small>		
Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0096 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	57.64	
<i>For Specular Ballast Cover, Add</i>	5.76	
26 01 50 52-0097 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	62.10	
<i>For Specular Ballast Cover, Add</i>	6.66	
26 01 50 52-0098 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	82.09	
<i>For Specular Ballast Cover, Add</i>	10.65	
26 01 50 52-0099 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	94.30	
<i>For Specular Ballast Cover, Add</i>	13.10	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0100 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 52-0094)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0101 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	60.58	
For Specular Reflector, Add	6.35	
26 01 50 52-0102 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	65.40	
For Specular Reflector, Add	7.32	
26 01 50 52-0103 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	86.21	
For Specular Reflector, Add	11.48	
26 01 50 52-0104 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	106.66	
For Specular Reflector, Add	15.57	
26 01 50 52-0105 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 52-0094)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0106 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	76.47	
For Specular Reflector, Add	7.88	
26 01 50 52-0107 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	80.94	
For Specular Reflector, Add	8.77	
26 01 50 52-0108 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	79.88	
For Specular Reflector, Add	8.56	
26 01 50 52-0109 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	87.69	
For Specular Reflector, Add	10.12	
26 01 50 52-0110 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	102.21	
For Specular Reflector, Add	13.03	
26 01 50 52-0111 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	84.46	
For Specular Reflector, Add	9.48	
26 01 50 52-0112 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	92.22	
For Specular Reflector, Add	11.03	
26 01 50 52-0113 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	99.03	
For Specular Reflector, Add	12.39	
26 01 50 52-0114 Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 52-0093)</small>		
26 01 50 52-0115 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 52-0114)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 01 50 52-0116 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.71	
26 01 50 52-0117 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.71	
26 01 50 52-0118 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.71	
26 01 50 52-0119 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	164.68	
26 01 50 52-0120 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.71	
26 01 50 52-0121 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.71	
26 01 50 52-0122 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.71	
26 01 50 52-0123 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	164.68	
26 01 50 52-0124 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	150.21	
26 01 50 52-0125 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	150.21	
26 01 50 52-0126 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	150.21	
26 01 50 52-0127 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	165.18	
26 01 50 52-0128 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	150.21	
26 01 50 52-0129 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	150.21	
26 01 50 52-0130 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	150.21	
26 01 50 52-0131 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	165.18	
26 01 50 52-0132 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 52-0114)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 01 50 52-0133 EA 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	220.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0134	EA			4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	230.53	
26 01 50 52-0135 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) (26 01 50 52-0114)						
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.						
26 01 50 52-0136	EA			2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2600L).....	249.56	
26 01 50 52-0137	EA			2,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2500L).....	256.24	
26 01 50 52-0138	EA			3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	256.24	
26 01 50 52-0139	EA			3,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3400L).....	282.97	
26 01 50 52-0140	EA			4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	289.38	
26 01 50 52-0141	EA			5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	309.69	
26 01 50 52-0142 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) (26 01 50 52-0114)						
Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.						
26 01 50 52-0143	EA			1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	141.53	
26 01 50 52-0144	EA			1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	112.27	
26 01 50 52-0145	EA			2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	145.42	
26 01 50 52-0146	EA			2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	116.13	
26 01 50 52-0147	EA			3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	152.39	
26 01 50 52-0148	EA			3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	125.26	
26 01 50 52-0149	EA			1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	167.12	
26 01 50 52-0150	EA			1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	137.76	
26 01 50 52-0151	EA			2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	170.75	
26 01 50 52-0152	EA			2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	141.44	
26 01 50 52-0153	EA			3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	177.63	
26 01 50 52-0154	EA			3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	150.51	
26 01 50 53 Lens and Accessory Replacement (26 01 50)						
26 01 50 53-0001	EA			Parabolic Aluminum Louver Replacement.....	83.78	
26 01 50 53-0002	EA			Visor For Fixtures.....	159.75	
26 01 50 53-0003	EA			Replace Globe On Pole.....	201.93	
26 01 50 53-0004	EA			Replace Lenses For Flat Top Pole Fixtures.....	74.66	
26 01 50 53-0005	EA			Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	24.05	
26 01 50 53-0006	EA			Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	25.26	
26 01 50 53-0007	EA			Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	30.54	
26 01 50 53-0008	EA			Replace Slide-On Lampholder.....	10.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>						
26 01 50 53-0009	EA			Replace Screw Mount Lampholder.....	10.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>						
26 01 50 53-0010	EA			Replace Medium Bi-Pin Lampholder.....	11.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>						
26 01 50 53-0011	EA			Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	14.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>						
26 01 50 53-0012	EA			Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	16.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>						
26 01 50 53-0013	EA			Replace Compact Twin-Tube Lampholder, Snap-in.....	11.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>						
26 01 50 53-0014	EA			Replace Exterior Light Globes.....	39.03	

26 05 Common Work Results For Electrical (26)

26 05 13 Medium-Voltage Cables (26 05)

26 05 13 00-0001 Wire And Cable (26 05 13)

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002	5 KV Cable (26 05 13 00-0001)		
26 05 13 00-0003	Shielded, XLP Insulation 5 KV, Single Copper Conductor (26 05 13 00-0002)		
	Note: Conductor pulled in duct, 133 percent insulation.		
26 05 13 00-0004	MLF #6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,835.42	658.39
26 05 13 00-0005	MLF #4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,405.31	718.90
26 05 13 00-0006	MLF #2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,101.32	812.24
26 05 13 00-0007	MLF #1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,365.47	1,000.71
26 05 13 00-0008	MLF #2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,121.58	1,126.89
26 05 13 00-0009	MLF #3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,621.03	1,250.82
26 05 13 00-0010	MLF #4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,580.28	1,405.42
26 05 13 00-0011	MLF 250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,270.86	1,563.60
26 05 13 00-0012	MLF 350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	11,936.90	1,866.90
26 05 13 00-0013	MLF 500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	15,178.91	2,194.49
26 05 13 00-0014	MLF 750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	21,399.88	1,876.28
26 05 13 00-0015	MLF 1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	31,171.12	2,978.22
26 05 13 00-0016	Shielded, XLP Insulated, 5 KV, Single Copper Conductor (26 05 13 00-0002)		
	Note: Buried in trench, excludes excavation, 133 percent insulation.		
26 05 13 00-0017	MLF #6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,753.12	
26 05 13 00-0018	MLF #4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,171.67	
26 05 13 00-0019	MLF #2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,634.28	
26 05 13 00-0020	MLF #1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,581.97	
26 05 13 00-0021	MLF #2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,022.55	
26 05 13 00-0022	MLF #3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,366.44	
26 05 13 00-0023	MLF #4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,939.19	
26 05 13 00-0024	MLF 250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	8,392.55	
26 05 13 00-0025	MLF 350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	9,382.47	
26 05 13 00-0026	MLF 500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	11,879.51	
26 05 13 00-0027	Shielded, XLP Insulated, 5 KV, Single Copper Conductor (26 05 13 00-0002)		
	Note: Installed on poles, aerially, 133 percent insulation.		
26 05 13 00-0028	MLF #6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,282.16	411.33
26 05 13 00-0029	MLF #4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,779.80	441.03
26 05 13 00-0030	MLF #2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,552.22	557.72
26 05 13 00-0031	MLF #1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,662.28	677.06
26 05 13 00-0032	MLF #2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,415.64	794.80
26 05 13 00-0033	MLF #3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,908.48	908.94
26 05 13 00-0034	MLF #4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,868.19	1,054.62
26 05 13 00-0035	MLF 250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	9,886.47	1,326.78
26 05 13 00-0036	MLF 350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	11,729.13	1,678.79
26 05 13 00-0037	MLF 500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	15,295.79	2,109.24
26 05 13 00-0038	5 KV Non-Shielded Single Copper Conductor (26 05 13 00-0002)		
26 05 13 00-0039	MLF 1/0 5 KV Non-Shielded, Single Copper Conductor	6,253.34	1,312.09
26 05 13 00-0040	MLF 3/0 5 KV Non-Shielded, Single Copper Conductor	8,428.93	1,349.80
26 05 13 00-0041	MLF 4/0 5 KV Non-Shielded, Single Copper Conductor	8,800.67	1,379.62
26 05 13 00-0042	MLF 350 MCM 5 KV Non-Shielded, Single Copper Conductor.....	10,695.29	1,432.26
26 05 13 00-0043	MLF 500 MCM 5 KV Non-Shielded, Single Copper Conductor	15,645.07	1,501.02
26 05 13 00-0044	MLF 750 MCM 5 KV Non-Shielded, Single Copper Conductor.....	24,511.56	1,876.28
26 05 13 00-0045	MLF 1,000 MCM 5 KV Non-Shielded, Single Copper Conductor.....	28,057.21	2,501.73
26 05 13 00-0046	Shielded, EPR Insulation 5 KV, Single Copper Conductor (26 05 13 00-0002)		
	Note: Conductor pulled in duct, 133 percent insulation.		
26 05 13 00-0047	MLF #6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,049.54	658.39
26 05 13 00-0048	MLF #4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,694.77	718.90
26 05 13 00-0049	MLF #2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,474.05	812.24
26 05 13 00-0050	MLF #1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,177.37	906.43
26 05 13 00-0051	MLF #1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,880.94	1,000.71
26 05 13 00-0052	MLF #2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	6,716.36	1,126.89
26 05 13 00-0053	MLF #3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,429.93	1,250.82
26 05 13 00-0054	MLF #4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	9,492.27	1,405.42
26 05 13 00-0055	MLF 250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	11,416.01	1,563.60
26 05 13 00-0056	MLF 350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	13,245.41	1,866.90
26 05 13 00-0057	MLF 500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	16,923.60	2,194.49
26 05 13 00-0058	MLF 750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	24,407.53	1,876.28
26 05 13 00-0059	MLF 1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	35,441.72	2,978.22
26 05 13 00-0060	Shielded, EPR Insulated, 5 KV, Single Copper Conductor (26 05 13 00-0002)		
	Note: Buried in trench, excludes excavation, 133 percent insulation.		
26 05 13 00-0061	MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,967.24	
26 05 13 00-0062	MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,461.13	
26 05 13 00-0063	MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,007.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 05 13 00-0064 MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,552.58	
				26 05 13 00-0065 MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,097.44	
				26 05 13 00-0066 MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,617.33	
				26 05 13 00-0067 MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,175.34	
				26 05 13 00-0068 MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,851.18	
				26 05 13 00-0069 MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	9,537.70	
				26 05 13 00-0070 MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	10,690.99	
				26 05 13 00-0071 MLF 500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	13,624.20	
26 05 13 00-0072				Shielded, EPR Insulated, 5 KV, Single Copper Conductor <small>(26 05 13 00-0002)</small>		
				Note: Installed on poles, aerially, 133 percent insulation.		
				26 05 13 00-0073 MLF #6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,496.28	411.33
				26 05 13 00-0074 MLF #4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,069.26	441.03
				26 05 13 00-0075 MLF #2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,924.95	557.72
				26 05 13 00-0076 MLF #1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	4,550.23	616.94
				26 05 13 00-0077 MLF #1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	5,177.75	677.06
				26 05 13 00-0078 MLF #2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	6,010.42	794.80
				26 05 13 00-0079 MLF #3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	7,717.38	908.94
				26 05 13 00-0080 MLF #4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	8,780.18	1,054.62
				26 05 13 00-0081 MLF 250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	11,031.62	1,326.78
				26 05 13 00-0082 MLF 350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	13,037.65	1,678.79
				26 05 13 00-0083 MLF 500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	17,040.48	2,109.24
26 05 13 00-0084				Greater Than 5 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0085				XLP, 15 KV, Shielded, Single Conductor, 133% Insulation Cable <small>(26 05 13 00-0084)</small>		
26 05 13 00-0086				Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
				26 05 13 00-0087 MLF #4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,942.43	1,312.09
				26 05 13 00-0088 MLF #2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,484.00	1,312.09
				26 05 13 00-0089 MLF #1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,690.58	1,312.09
				26 05 13 00-0090 MLF #1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,363.53	1,312.09
				26 05 13 00-0091 MLF #2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,002.26	1,312.09
				26 05 13 00-0092 MLF #3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,218.07	1,369.59
				26 05 13 00-0093 MLF #4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,469.00	1,369.59
				26 05 13 00-0094 MLF 250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,994.53	1,432.26
				26 05 13 00-0095 MLF 350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,549.81	1,465.84
				26 05 13 00-0096 MLF 500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,181.28	1,501.02
26 05 13 00-0097				Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
				Note: Buried in trench, excludes excavation.		
				26 05 13 00-0098 MLF #1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,279.17	
				26 05 13 00-0099 MLF #1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,952.11	
				26 05 13 00-0100 MLF #2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,590.84	
				26 05 13 00-0101 MLF #3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,824.80	
				26 05 13 00-0102 MLF #4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,075.72	
				26 05 13 00-0103 MLF 250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,678.68	
				26 05 13 00-0104 MLF 350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,236.43	
				26 05 13 00-0105 MLF 500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation.....	13,852.86	
26 05 13 00-0106				Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
				Note: Installed on poles.		
				26 05 13 00-0107 MLF #1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,971.22	587.59
				26 05 13 00-0108 MLF #1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,881.83	677.06
				26 05 13 00-0109 MLF #2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,833.34	794.80
				26 05 13 00-0110 MLF #3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,208.78	908.94
				26 05 13 00-0111 MLF #4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,846.66	1,054.62
				26 05 13 00-0112 MLF 250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,675.34	1,227.72
				26 05 13 00-0113 MLF 350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,685.55	1,430.61
				26 05 13 00-0114 MLF 500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,843.27	1,661.78
26 05 13 00-0115				Shielded, EPR Insulated <small>(26 05 13 00-0084)</small>		
26 05 13 00-0116				Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
				26 05 13 00-0117 MLF #4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,421.63	1,312.09
				26 05 13 00-0118 MLF #2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,060.68	1,312.09
				26 05 13 00-0119 MLF #1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,304.44	1,312.09
				26 05 13 00-0120 MLF #1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,098.52	1,312.09
				26 05 13 00-0121 MLF #2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,852.22	1,312.09
				26 05 13 00-0122 MLF #3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,261.03	1,369.59
				26 05 13 00-0123 MLF #4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,557.12	1,369.59

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0124 MLF 250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,329.02	1,432.26
26 05 13 00-0125 MLF 350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	14,149.15	1,465.84
26 05 13 00-0126 MLF 500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	17,238.45	1,501.02
26 05 13 00-0127 Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
Note: Buried in trench, excludes excavation.		
26 05 13 00-0128 MLF #1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,893.04	
26 05 13 00-0129 MLF #1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,687.11	
26 05 13 00-0130 MLF #2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,440.81	
26 05 13 00-0131 MLF #3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,867.76	
26 05 13 00-0132 MLF #4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,163.85	
26 05 13 00-0133 MLF 250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,009.29	
26 05 13 00-0134 MLF 350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,829.88	
26 05 13 00-0135 MLF 500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	15,910.03	
26 05 13 00-0136 Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
Note: Installed on poles.		
26 05 13 00-0137 MLF #1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,585.09	587.59
26 05 13 00-0138 MLF #1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,616.83	677.06
26 05 13 00-0139 MLF #2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,683.31	794.80
26 05 13 00-0140 MLF #3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,251.74	908.94
26 05 13 00-0141 MLF #4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,934.78	1,054.62
26 05 13 00-0142 MLF 250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,009.83	1,227.72
26 05 13 00-0143 MLF 350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	14,284.88	1,430.61
26 05 13 00-0144 MLF 500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	17,900.44	1,661.78
26 05 13 00-0145 15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 00-0084)</small>		
26 05 13 00-0146 MLF 1/0 15 KV Non-Shielded, Single Copper Conductor	8,833.55	1,316.67
26 05 13 00-0147 MLF 3/0 15 KV Non-Shielded, Single Copper Conductor	11,659.16	1,379.62
26 05 13 00-0148 MLF 350 MCM 15 KV Non-Shielded, Single Copper Conductor.....	16,254.82	1,471.57
26 05 13 00-0149 Shielded Armored Copper, 15 KV, 3 Conductor <small>(26 05 13 00-0084)</small>		
Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150 Galvanized Steel Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0151 LF #2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	39.93	10.04
26 05 13 00-0152 LF #1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	48.40	10.70
26 05 13 00-0153 Aluminum Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0154 LF #2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	39.93	10.04
26 05 13 00-0155 LF #1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	48.40	10.70
26 05 13 00-0156 Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 00-0084)</small>		
Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 00-0157 MLF #4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	2,937.10	658.39
26 05 13 00-0158 MLF #2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	3,542.76	718.90
26 05 13 00-0159 MLF #1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	4,278.31	812.24
26 05 13 00-0160 MLF #1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	5,603.58	997.99
26 05 13 00-0161 MLF #2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	6,395.56	1,123.51
26 05 13 00-0162 MLF #3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	8,005.13	1,250.82
26 05 13 00-0163 MLF #4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	9,000.22	1,400.18
26 05 13 00-0164 15 KV URD Cable Copper Direct Burial <small>(26 05 13 00-0084)</small>		
26 05 13 00-0165 MLF 15 KV 3/C URD Cable Copper Direct Burial #6	15,600.66	
26 05 13 00-0166 Greater Than 25 KV Shielded Single Conductor Copper <small>(26 05 13 00-0084)</small>		
26 05 13 00-0167 35 KV Shielded Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0168 MLF 3/0 35 KV Shielded, Single Copper Conductor	15,719.53	2,164.68
26 05 13 00-0169 70 KV Shielded Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0170 MLF 350 MCM 70 KV Shielded, Single Copper Conductor.....	54,262.55	2,467.77
26 05 13 00-0171 Wire Connections <small>(26 05 13 00-0001)</small>		
26 05 13 00-0172 Medium Voltage Up To 5 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0173 Shielded One Conductor Cable Splice <small>(26 05 13 00-0172)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0174 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	205.35	82.23
26 05 13 00-0175 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	241.21	82.23
26 05 13 00-0176 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	241.21	82.23
26 05 13 00-0177 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.67	98.67
26 05 13 00-0178 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.67	98.67
26 05 13 00-0179 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.67	98.67
26 05 13 00-0180 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.31	115.12
26 05 13 00-0181 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.31	115.12
26 05 13 00-0182 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.31	115.12
26 05 13 00-0183 Cable Termination Without Stress Cone (26 05 13 00-0172)		
26 05 13 00-0184 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	198.80	98.67
26 05 13 00-0185 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	234.52	115.12
26 05 13 00-0186 Cable Termination With Stress Cone (26 05 13 00-0172)		
26 05 13 00-0187 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	699.68	197.35
26 05 13 00-0188 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	967.55	271.34
26 05 13 00-0189 Connect To Pothead, Pothead Included (26 05 13 00-0172)		
26 05 13 00-0190 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	721.34	197.35
26 05 13 00-0191 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	897.86	226.12
26 05 13 00-0192 Two Conductor Pothead (26 05 13 00-0172)		
Note: Includes 5 KV pothead.		
26 05 13 00-0193 EA #6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	678.63	271.34
26 05 13 00-0194 EA 250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	880.90	345.35
26 05 13 00-0195 EA 400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,193.50	391.55
26 05 13 00-0196 EA 750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,734.40	456.84
26 05 13 00-0197 EA 1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,012.01	685.19
26 05 13 00-0198 Three Conductor Pothead (26 05 13 00-0172)		
Note: Includes 5 KV pothead.		
26 05 13 00-0199 EA #6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,926.08	394.68
26 05 13 00-0200 EA 250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,141.25	460.46
26 05 13 00-0201 Copper Cable Splice, Crimp Compression Connection (26 05 13 00-0172)		
Note: For bare wire.		
26 05 13 00-0202 EA #6 AWG Crimp Compression Connection For Bare Copper Wire.....	53.07	
26 05 13 00-0203 EA #4 AWG Crimp Compression Connection For Bare Copper Wire.....	58.23	
26 05 13 00-0204 EA #3 AWG Crimp Compression Connection For Bare Copper Wire.....	67.92	
26 05 13 00-0205 EA #2 AWG Crimp Compression Connection For Bare Copper Wire.....	77.30	
26 05 13 00-0206 EA #1 AWG Crimp Compression Connection For Bare Copper Wire.....	87.11	
26 05 13 00-0207 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	96.74	
26 05 13 00-0208 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	106.31	
26 05 13 00-0209 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	116.18	
26 05 13 00-0210 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	125.86	
26 05 13 00-0211 EA 250 MCM Crimp Compression Connection For Bare Copper Wire.....	135.68	
26 05 13 00-0212 EA 300 MCM Crimp Compression Connection For Bare Copper Wire.....	145.66	
26 05 13 00-0213 EA 350 MCM Crimp Compression Connection For Bare Copper Wire.....	155.25	
26 05 13 00-0214 EA 400 MCM Crimp Compression Connection For Bare Copper Wire.....	175.10	
26 05 13 00-0215 EA 500 MCM Crimp Compression Connection For Bare Copper Wire.....	195.36	
26 05 13 00-0216 Aluminum Cable Splice, Crimp Compression Connection (26 05 13 00-0172)		
Note: For bare wire.		
26 05 13 00-0217 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire	53.85	
26 05 13 00-0218 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire	58.66	
26 05 13 00-0219 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire	78.71	
26 05 13 00-0220 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire	90.70	
26 05 13 00-0221 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	100.13	
26 05 13 00-0222 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	109.54	
26 05 13 00-0223 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	119.93	
26 05 13 00-0224 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	129.83	
26 05 13 00-0225 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire	139.55	
26 05 13 00-0226 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire	149.44	
26 05 13 00-0227 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire	159.22	
26 05 13 00-0228 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire	180.79	
26 05 13 00-0229 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire	202.47	
26 05 13 00-0230 15 KV (26 05 13 00-0171)		
26 05 13 00-0231 Single Conductor Pothead On Racks (26 05 13 00-0230)		
Note: Includes pothead.		
26 05 13 00-0232 EA #2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	835.66	345.35

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0233 EA 250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,055.93	427.57
26 05 13 00-0234 Two Conductor Pothead On Rack (26 05 13 00-0230) Note: Includes pothead.		
26 05 13 00-0235 EA #2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,257.08	526.24
26 05 13 00-0236 EA 250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,499.02	624.91
26 05 13 00-0237 Three Conductor Pothead On Rack (26 05 13 00-0230) Note: Includes pothead.		
26 05 13 00-0238 EA #2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,619.22	682.47
26 05 13 00-0239 EA 250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	2,020.53	855.14
26 05 13 00-0240 Stress Relief Cone On Rack (26 05 13 00-0230)		
26 05 13 00-0241 EA #2 To 4/0 AWG Stress Relief Cone, On Rack.....	809.49	345.35
26 05 13 00-0242 EA 250 To 500 MCM Stress Relief Cone, On Rack.....	1,026.51	427.57
26 05 13 00-0243 Grounded, Shielded Cable Splice (26 05 13 00-0230)		
26 05 13 00-0244 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	579.70	254.90
26 05 13 00-0245 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	745.42	328.90
26 05 13 00-0246 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	2,797.94	904.48
26 05 13 00-0247 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	3,390.33	986.71
26 05 13 00-0248 Cable Termination (26 05 13 00-0230)		
26 05 13 00-0249 EA #2 To 3/0 AWG Cable Termination 15 KV.....	355.32	143.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.34	
26 05 13 00-0250 EA 4/0 To 250 MCM Cable Termination 15 KV.....	452.64	185.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.00	
26 05 13 00-0251 EA 350 To 500 MCM Cable Termination 15 KV.....	557.40	226.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.67	
26 05 13 00-0252 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV.....	215.39	82.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.34	
26 05 13 00-0253 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 00-0230)		
26 05 13 00-0254 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	364.69	106.89
26 05 13 00-0255 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	410.98	118.14
26 05 13 00-0256 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	475.29	129.29
26 05 13 00-0257 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	591.20	148.96
26 05 13 00-0258 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 00-0230)		
26 05 13 00-0259 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	729.41	214.15
26 05 13 00-0260 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	822.02	236.28
26 05 13 00-0261 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	941.00	253.78
26 05 13 00-0262 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,182.41	297.92
26 05 13 00-0263 35 KV (26 05 13 00-0171)		
26 05 13 00-0264 35 KV One Conductor Splice (26 05 13 00-0263)		
26 05 13 00-0265 EA Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV.....	1,441.11	
26 05 13 00-0266 Cable Termination (26 05 13 00-0263)		
26 05 13 00-0267 EA #2 To 3/0 AWG Cable Termination 35 KV.....	278.97	98.75
26 05 13 00-0268 EA 3/0 AWG To 250 MCM Cable Termination 35 KV.....	397.63	149.00
26 05 13 00-0269 EA 350 To 500 MCM Cable Termination 35 KV.....	445.61	159.35
26 05 13 00-0270 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV.....	225.93	82.23
26 05 13 00-0271 70 KV (26 05 13 00-0171)		
26 05 13 00-0272 Cable Splice (26 05 13 00-0271)		
26 05 13 00-0273 EA Cable Splicing, 350 MCM 70 KV.....	4,736.84	
26 05 13 00-0274 EA Cable Splicing, #2 To 4/0 70 KV.....	1,467.58	

26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)**26 05 19 13 Undercarpet Electrical Power Cables** (26 05 19)**26 05 19 13-0001 Under Carpet Power System** (26 05 19 13)

Note: Includes laying out, floor prep, taping, testing, drill floor, folds.

26 05 19 13-0002 LF Cable Flat 3 Conductor #12 With Attached Bottom Shield.....	3.11	0.37
26 05 19 13-0003 LF Top Shield, Steel.....	6.81	0.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 13-0004 EA Splice, 3-Conductor.....	20.39	6.39
26 05 19 13-0005 EA Splice Top Shield For 3 Conductor.....	6.65	3.01
26 05 19 13-0006 EA Tap 3-Conductor.....	25.13	7.52
26 05 19 13-0007 EA Insulating Patch, Splice Tap And End.....	35.73	6.39
26 05 19 13-0008 EA Transition Block Assembly 3-conductor.....	23.05	3.76
26 05 19 13-0009 EA Receptacles, Direct Connected Single, With Box.....	69.96	12.03
26 05 19 13-0010 EA Receptacles, Direct Connected Dual, With Box.....	115.79	18.79
26 05 19 13-0011 EA Box, Floor Mounted With Cover.....	112.99	15.04
26 05 19 13-0012 LF 5-Conductor #12 With Attached Bottom Shield.....	4.80	0.37
26 05 19 13-0013 LF Shield, Top, Steel For 5 Conductor.....	4.77	0.37
26 05 19 13-0014 EA Splice, 5 Conductor.....	20.61	6.39
26 05 19 13-0015 EA Insulating Patch Splice Tap And End.....	29.71	3.76
26 05 19 13-0016 EA Transition Block Assembly 5 Conductor.....	29.71	3.76
26 05 19 13-0017 EA Box, Wall, Flush With Cover.....	56.08	15.04
26 05 19 13-0018 EA Telephone Transition Fitting Wall Box.....	38.57	12.40
26 05 19 13-0019 EA Telephone Fitting With Duplex Jack And Cover RJ-45.....	49.44	14.29
26 05 19 13-0020 EA Telephone Miniature With Duplex RJ-45.....	20.96	5.63
26 05 19 13-0021 LF Telephone 4-Pair Level 5 Under Carpet Wire.....	1.25	0.37
26 05 19 13-0022 EA BNC Coax Connector Plug.....	18.67	7.52
26 05 19 13-0023 EA TNC Connector Coax Plug.....	18.67	7.52
26 05 19 13-0024 CLF Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	96.91	37.59

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)

26 05 19 16-0001 Cable Installation Methods (26 05 19 16)

26 05 19 16-0002 Pull Cord (26 05 19 16-0001)

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.26
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.13
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.58
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.34

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand.....	2.26
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand.....	2.89
26 05 19 16-0010 EA Boring Minimum Set-Up Charge.....	317.08

Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.

26 05 19 16-0011 Wire and Cable (26 05 19 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 19 16-0012 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)

26 05 19 16-0013 Multi-Conductor Cords (26 05 19 16-0012)

Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.

26 05 19 16-0014 Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0013)

Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.

26 05 19 16-0015 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0014)

26 05 19 16-0016 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)

26 05 19 16-0017 LF 2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.90	0.33
26 05 19 16-0018 LF 3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.94	0.33
26 05 19 16-0019 LF 4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.07	0.33

26 05 19 16-0020 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)

26 05 19 16-0021 LF 2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.03	0.33
26 05 19 16-0022 LF 3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.12	0.33
26 05 19 16-0023 LF 4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.23	0.33

26 05 19 16-0024 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)

26 05 19 16-0025 LF 2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.18	0.33
26 05 19 16-0026 LF 3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.31	0.33
26 05 19 16-0027 LF 4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.56	0.33

26 05 19 16-0028 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)

26 05 19 16-0029 LF 2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.40	0.33
26 05 19 16-0030 LF 3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.55	0.33

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0031 LF 4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.77	0.33
26 05 19 16-0032 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0033 LF 2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.87	0.41
26 05 19 16-0034 LF 3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.97	0.41
26 05 19 16-0035 LF 4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.13	0.41
26 05 19 16-0036 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0014)		
26 05 19 16-0037 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0038 LF 2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.94	0.33
26 05 19 16-0039 LF 3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.03	0.33
26 05 19 16-0040 LF 4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.16	0.33
26 05 19 16-0041 LF 5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.08	0.44
26 05 19 16-0042 LF 6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.29	0.46
26 05 19 16-0043 LF 7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.44	0.47
26 05 19 16-0044 LF 8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.69	0.48
26 05 19 16-0045 LF 10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.12	0.50
26 05 19 16-0046 LF 12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.58	0.52
26 05 19 16-0047 LF 14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.80	0.53
26 05 19 16-0048 LF 16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.88	0.54
26 05 19 16-0049 LF 18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.02	0.55
26 05 19 16-0050 LF 20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.61	0.57
26 05 19 16-0051 LF 24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.14	0.58
26 05 19 16-0052 LF 30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.45	0.62
26 05 19 16-0053 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0054 LF 2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.11	0.33
26 05 19 16-0055 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.19	0.33
26 05 19 16-0056 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.35	0.33
26 05 19 16-0057 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.19	0.44
26 05 19 16-0058 LF 6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.43	0.46
26 05 19 16-0059 LF 7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.66	0.47
26 05 19 16-0060 LF 8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.97	0.48
26 05 19 16-0061 LF 9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.09	0.49
26 05 19 16-0062 LF 10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.45	0.50
26 05 19 16-0063 LF 12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.06	0.52
26 05 19 16-0064 LF 14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.38	0.53
26 05 19 16-0065 LF 16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.97	0.54
26 05 19 16-0066 LF 18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.78	0.55
26 05 19 16-0067 LF 20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.51	0.57
26 05 19 16-0068 LF 24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.92	0.58
26 05 19 16-0069 LF 26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.72	0.59
26 05 19 16-0070 LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.21	0.62
26 05 19 16-0071 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0072 LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.34	0.33
26 05 19 16-0073 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.43	0.33
26 05 19 16-0074 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.66	0.33
26 05 19 16-0075 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.90	0.44
26 05 19 16-0076 LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.51	0.46
26 05 19 16-0077 LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.71	0.47
26 05 19 16-0078 LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.20	0.48
26 05 19 16-0079 LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.53	0.49
26 05 19 16-0080 LF 10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.08	0.50
26 05 19 16-0081 LF 12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.61	0.52
26 05 19 16-0082 LF 14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.21	0.53
26 05 19 16-0083 LF 16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.52	0.54
26 05 19 16-0084 LF 20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.46	0.57
26 05 19 16-0085 LF 24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.01	0.58
26 05 19 16-0086 LF 30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.89	0.62
26 05 19 16-0087 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0088 LF 2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.56	0.33
26 05 19 16-0089 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.74	0.33
26 05 19 16-0090 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.91	0.33
26 05 19 16-0091 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.35	0.44
26 05 19 16-0092 LF 6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.92	0.46
26 05 19 16-0093 LF 7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.49	0.47
26 05 19 16-0094 LF 8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.12	0.48
26 05 19 16-0095 LF 9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.56	0.49
26 05 19 16-0096 LF 10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.32	0.50
26 05 19 16-0097 LF 12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.23	0.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0098	LF			14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.06	0.53
26 05 19 16-0099	LF			16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.90	0.54
26 05 19 16-0100	LF			18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.30	0.55
26 05 19 16-0101	LF			20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.76	0.57
26 05 19 16-0102	LF			24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.25	0.58
26 05 19 16-0103	LF			26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.75	0.59
26 05 19 16-0104	LF			28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.23	0.60
26 05 19 16-0105	LF			30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.76	0.62
26 05 19 16-0106				#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0107	LF			2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.82	0.41
26 05 19 16-0108	LF			3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.97	0.41
26 05 19 16-0109	LF			4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.13	0.41
26 05 19 16-0110	LF			5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.87	0.44
26 05 19 16-0111	LF			6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.84	0.46
26 05 19 16-0112	LF			7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.73	0.47
26 05 19 16-0113	LF			10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.42	0.50
26 05 19 16-0114	LF			12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.53	0.52
26 05 19 16-0115	LF			16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.94	0.54
26 05 19 16-0116	LF			20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.03	0.57
26 05 19 16-0117				#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0118	LF			3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.77	0.49
26 05 19 16-0119	LF			4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.11	0.57
26 05 19 16-0120	LF			5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.70	0.57
26 05 19 16-0121				#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0122	LF			3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.50	0.57
26 05 19 16-0123	LF			4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.66	0.66
26 05 19 16-0124	LF			5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.99	0.82
26 05 19 16-0125				#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0126	LF			3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.84	0.82
26 05 19 16-0127	LF			4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.73	0.90
26 05 19 16-0128	LF			5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.78	0.98
26 05 19 16-0129				#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0130	LF			3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.06	1.64
26 05 19 16-0131	LF			4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.64	2.05
26 05 19 16-0132	LF			5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	20.00	2.72
26 05 19 16-0133				300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0134				#18, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0135	LF			2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.23	0.33
26 05 19 16-0136	LF			3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.38	0.33
26 05 19 16-0137	LF			4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.66	0.33
26 05 19 16-0138				#16, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0139	LF			2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.32	0.33
26 05 19 16-0140	LF			3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.55	0.33
26 05 19 16-0141	LF			4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.66	0.33
26 05 19 16-0142				#14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0143	LF			2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.90	0.33
26 05 19 16-0144	LF			3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.83	0.33
26 05 19 16-0145	LF			4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.66	0.41
26 05 19 16-0146				600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0147				#18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0148	LF			2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.82	0.33
26 05 19 16-0149	LF			3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.22	0.33
26 05 19 16-0150	LF			4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.63	0.33
26 05 19 16-0151				#16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0152 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.96	0.33
26 05 19 16-0153 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.36	0.33
26 05 19 16-0154 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.00	0.33
26 05 19 16-0155 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.25	0.41
26 05 19 16-0156 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0157 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.46	0.33
26 05 19 16-0158 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.97	0.33
26 05 19 16-0159 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.34	0.41
26 05 19 16-0160 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0161 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.94	0.33
26 05 19 16-0162 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.40	0.33
26 05 19 16-0163 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.81	0.41
26 05 19 16-0164 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0165 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.39	0.41
26 05 19 16-0166 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.80	0.41
26 05 19 16-0167 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.19	0.41
26 05 19 16-0168 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0013)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0168)</small>		
26 05 19 16-0170 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0171 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.34	0.33
26 05 19 16-0172 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.49	0.33
26 05 19 16-0173 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.35	0.41
26 05 19 16-0174 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0175 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.82	0.33
26 05 19 16-0176 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.11	0.33
26 05 19 16-0177 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.10	0.41
26 05 19 16-0178 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0179 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.30	0.33
26 05 19 16-0180 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.69	0.33
26 05 19 16-0181 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.42	0.41
26 05 19 16-0182 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0183 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.96	0.41
26 05 19 16-0184 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.42	0.41
26 05 19 16-0185 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.67	0.41
26 05 19 16-0186 Multi-Conductor Type W Cord <small>(26 05 19 16-0013)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0186)</small>		
26 05 19 16-0188 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0189 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.16	0.49
26 05 19 16-0190 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.47	0.57
26 05 19 16-0191 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.33	0.57
26 05 19 16-0192 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0193 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.45	0.57
26 05 19 16-0194 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.32	0.66
26 05 19 16-0195 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.63	0.82
26 05 19 16-0196 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0197 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.17	0.57
26 05 19 16-0198 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.30	0.66
26 05 19 16-0199 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	9.40	0.82
26 05 19 16-0200 Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0012)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0201 Cord Grips <small>(26 05 19 16-0200)</small>		
26 05 19 16-0202 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	51.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.95
26 05 19 16-0203 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	51.80	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.95
26 05 19 16-0204 Cable Reels <small>(26 05 19 16-0200)</small>		
	<small>Note: Includes handling, mounting, electrical connections and installing cord.</small>	
26 05 19 16-0205 EA Extension Cord Reel (Yellow SJO) Up To 25 Feet, 16-3	242.70	41.11
26 05 19 16-0206 EA Heavy Duty Power Cable Reel, With 55' 5/c #10 SJO, With Anchor.....	580.85	164.45
26 05 19 16-0207 EA Control Cable Reel For 60' Of 16/c #16 SO Cord	1,096.70	246.92
26 05 19 16-0208 Extension Cords <small>(26 05 19 16-0200)</small>		
26 05 19 16-0209 EA Extension Cord, 120 Volt 12/3, 100 Ft.....	83.55	
26 05 19 16-0210 EA Extension Cord, 240 Volt 10/3, 100 Ft.....	125.73	
26 05 19 16-0211 Plugs And Connector Bodies <small>(26 05 19 16-0200)</small>		
	<small>Note: Up to 277 volts.</small>	
26 05 19 16-0212 NEMA Twist-Lock Plugs <small>(26 05 19 16-0211)</small>		
26 05 19 16-0213 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug	57.79	
26 05 19 16-0214 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug	59.07	
26 05 19 16-0215 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug	53.67	
26 05 19 16-0216 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug	57.63	
26 05 19 16-0217 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug	76.18	
26 05 19 16-0218 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug	81.20	
26 05 19 16-0219 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug	86.12	
26 05 19 16-0220 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug	76.92	
26 05 19 16-0221 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug	89.01	
26 05 19 16-0222 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug	91.36	
26 05 19 16-0223 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug	94.35	
26 05 19 16-0224 NEMA Twist-Lock Connector Bodies <small>(26 05 19 16-0211)</small>		
26 05 19 16-0225 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body	61.42	
26 05 19 16-0226 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body	65.97	
26 05 19 16-0227 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body	56.40	
26 05 19 16-0228 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body	76.92	
26 05 19 16-0229 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body	90.18	
26 05 19 16-0230 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body	96.60	
26 05 19 16-0231 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body	118.19	
26 05 19 16-0232 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body	112.74	
26 05 19 16-0233 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body	139.79	
26 05 19 16-0234 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body	146.95	
26 05 19 16-0235 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body	139.15	
26 05 19 16-0236 Accessories <small>(26 05 19 16-0200)</small>		
26 05 19 16-0237 EA 1/2" Straight Steel Cord Connector.....	34.91	8.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94
26 05 19 16-0238 EA 1/2" Straight Nylon Cord Connector.....	21.57	6.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70
26 05 19 16-0239 EA 1/2" 90 Degree Steel Cord Connector	40.40	10.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17
26 05 19 16-0240 EA 1/2" 90 Degree Nylon Cord Connector	26.37	8.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94
26 05 19 16-0241 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh	39.94	10.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17
26 05 19 16-0242 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	66.33	12.34
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40
26 05 19 16-0243 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh	26.01	8.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94
26 05 19 16-0244 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	42.08	10.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17
26 05 19 16-0245 EA 3/4" Straight Steel Cord Connector.....	36.21	8.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94
26 05 19 16-0246 EA 3/4" Straight Nylon Cord Connector.....	22.22	6.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70
26 05 19 16-0247 EA 3/4" 90 Degree Steel Cord Connector	44.46	10.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17
26 05 19 16-0248 EA 3/4" 90 Degree Nylon Cord Connector	28.40	8.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94
26 05 19 16-0249 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh	45.42	12.34
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40
26 05 19 16-0250 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	53.87	14.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63
26 05 19 16-0251 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh	31.49	10.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0252 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	37.99	12.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 19 16-0253 EA 1" Straight Steel Cord Connector.....	44.54	8.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 19 16-0254 EA 1" Straight Nylon Cord Connector.....	26.38	6.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 19 16-0255 EA 1" 90 Degree Steel Cord Connector.....	49.96	10.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 05 19 16-0256 EA 1" 90 Degree Nylon Cord Connector.....	31.15	8.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 19 16-0257 EA 1" Straight Steel Cord Connector With Strain Relief Mesh.....	54.17	12.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 19 16-0258 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	59.65	14.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.63	
26 05 19 16-0259 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh.....	35.93	10.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 05 19 16-0260 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	41.75	12.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 19 16-0261 600 Volt Wire (26 05 19 16-0011)		
26 05 19 16-0262 Single Solid Conductor, Copper (26 05 19 16-0261)		
26 05 19 16-0263 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	434.54	182.44
26 05 19 16-0264 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	539.18	214.62
26 05 19 16-0265 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	659.30	262.42
26 05 19 16-0266 MLF #14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	600.87	182.44
26 05 19 16-0267 MLF #12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	728.99	214.62
26 05 19 16-0268 MLF #10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	878.89	262.42
26 05 19 16-0269 Power Cable, Stranded Conductor, Copper (26 05 19 16-0261)		
26 05 19 16-0270 Power Cable, Stranded, Single Conductor, XHHW (26 05 19 16-0269)		
26 05 19 16-0271 MLF #16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	484.77	150.34
26 05 19 16-0272 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	571.46	180.41
26 05 19 16-0273 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	706.76	210.49
26 05 19 16-0274 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	874.88	240.55
26 05 19 16-0275 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,171.79	300.69
26 05 19 16-0276 MLF #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,596.59	360.82
26 05 19 16-0277 MLF #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,198.59	451.03
26 05 19 16-0278 MLF #3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,608.02	511.16
26 05 19 16-0279 MLF #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,098.23	571.30
26 05 19 16-0280 MLF #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,863.76	631.45
26 05 19 16-0281 MLF 1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,646.42	721.65
26 05 19 16-0282 MLF 2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,581.75	811.85
26 05 19 16-0283 MLF 3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,702.01	902.06
26 05 19 16-0284 MLF 4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,057.88	992.27
26 05 19 16-0285 MLF 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,530.19	1,082.47
26 05 19 16-0286 MLF 300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,147.84	1,127.68
26 05 19 16-0287 MLF 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,821.86	1,262.88
26 05 19 16-0288 MLF 400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,122.80	1,353.09
26 05 19 16-0289 MLF 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	14,074.60	1,443.30
26 05 19 16-0290 MLF 600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	16,238.52	1,563.57
26 05 19 16-0291 MLF 750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	24,873.45	1,743.99
26 05 19 16-0292 MLF 1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	35,208.56	2,044.67
26 05 19 16-0293 Power Cable, Stranded, Multi Conductor, XHHW (26 05 19 16-0269)		
26 05 19 16-0294 MLF 2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,142.92	360.74
26 05 19 16-0295 MLF 3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,413.70	421.04
26 05 19 16-0296 MLF 4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,759.72	511.16
26 05 19 16-0297 MLF 6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,112.65	556.04
26 05 19 16-0298 MLF 7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,274.55	586.27
26 05 19 16-0299 MLF 9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,699.63	646.32
26 05 19 16-0300 MLF 10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,804.56	673.68
26 05 19 16-0301 MLF 12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,286.90	736.68
26 05 19 16-0302 MLF 14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,640.81	781.94
26 05 19 16-0303 MLF 24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,371.18	992.34
26 05 19 16-0304 MLF 37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	8,139.37	1,473.37
26 05 19 16-0305 MLF 2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,413.70	421.04
26 05 19 16-0306 MLF 3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,819.67	511.16
26 05 19 16-0307 MLF 4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,225.65	601.38
26 05 19 16-0308 MLF 2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,899.51	541.01
26 05 19 16-0309 MLF 3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,472.85	660.91
26 05 19 16-0310 MLF 4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,199.16	842.07
26 05 19 16-0311 MLF 6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,348.10	1,082.84
26 05 19 16-0312 MLF 9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,919.53	1,383.23
26 05 19 16-0313 MLF 2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,381.16	616.41
26 05 19 16-0314 MLF 3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,064.33	721.65
26 05 19 16-0315 MLF 4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,973.02	917.10
26 05 19 16-0316 MLF 2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,118.08	691.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0317 MLF 3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,225.98	856.96
26 05 19 16-0318 MLF 4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,420.40	1,056.92
26 05 19 16-0319 MLF 2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,239.64	839.06
26 05 19 16-0320 MLF 3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,612.36	959.72
26 05 19 16-0321 MLF 4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	7,278.08	1,197.63
26 05 19 16-0322 MLF 2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,895.01	1,022.04
26 05 19 16-0323 MLF 3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	7,867.18	1,142.91
26 05 19 16-0324 MLF 4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	10,438.48	1,503.43
26 05 19 16-0325 MLF 3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	10,463.12	1,443.07
26 05 19 16-0326 MLF 4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	13,649.03	1,803.37
26 05 19 16-0327 MLF 3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	12,436.52	1,563.87
26 05 19 16-0328 MLF 3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	15,164.74	1,803.37
26 05 19 16-0329 MLF 3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	18,600.34	2,103.91
26 05 19 16-0330 MLF 4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	24,549.99	2,705.06
26 05 19 16-0331 MLF 3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	22,750.54	2,407.53
26 05 19 16-0332 MLF 3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	24,234.54	2,705.06
26 05 19 16-0333 MLF 3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	30,511.10	3,006.87
26 05 19 16-0334 MLF 3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	39,660.82	3,304.70

26 05 19 16-0335 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0261)
Note: Direct bury.

26 05 19 16-0336 MLF #10 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	985.26
26 05 19 16-0337 MLF #8 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	1,418.19
26 05 19 16-0338 MLF #6 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	1,900.91
26 05 19 16-0339 MLF #4 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	2,250.50
26 05 19 16-0340 MLF #2 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	3,110.80
26 05 19 16-0341 MLF #1 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	3,934.18
26 05 19 16-0342 MLF #1/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	4,504.82
26 05 19 16-0343 MLF #2/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	5,338.25
26 05 19 16-0344 MLF #3/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	6,361.85
26 05 19 16-0345 MLF #4/0 AWG Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	7,350.85
26 05 19 16-0346 MLF 250 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	10,301.93
26 05 19 16-0347 MLF 300 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	11,960.87
26 05 19 16-0348 MLF 350 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	13,401.47
26 05 19 16-0349 MLF 400 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	15,288.76
26 05 19 16-0350 MLF 500 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	19,377.50
26 05 19 16-0351 MLF 750 MCM Cable - Type USE, 600 Volt Copper, Underground Feeder And Branch Circuits.....	22,939.94
26 05 19 16-0352 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	691.16
26 05 19 16-0353 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	847.61
26 05 19 16-0354 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,052.29
26 05 19 16-0355 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,272.38
26 05 19 16-0356 MLF #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,721.05
26 05 19 16-0357 MLF #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	2,382.57
26 05 19 16-0358 MLF #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	3,368.86
26 05 19 16-0359 MLF #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	4,131.24
26 05 19 16-0360 MLF #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	4,653.92
26 05 19 16-0361 MLF #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	5,250.11
26 05 19 16-0362 MLF #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	6,235.95
26 05 19 16-0363 MLF #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	7,489.37
26 05 19 16-0364 MLF 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	8,635.53
26 05 19 16-0365 MLF 300 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	9,860.64
26 05 19 16-0366 MLF 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	11,215.47
26 05 19 16-0367 MLF 400 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	12,626.81
26 05 19 16-0368 MLF 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	15,139.25
26 05 19 16-0369 MLF 750 MCM Cable - XLP (XHHW), 600 Volt Copper, Underground Feeder And Branch Circuit.....	27,503.51
26 05 19 16-0370 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	478.28
26 05 19 16-0371 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	597.58
26 05 19 16-0372 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	746.35
26 05 19 16-0373 MLF #8 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,059.75
26 05 19 16-0374 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,460.49
26 05 19 16-0375 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	1,953.71
26 05 19 16-0376 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	2,814.62
26 05 19 16-0377 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	3,371.63
26 05 19 16-0378 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	3,923.95
26 05 19 16-0379 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	4,468.17
26 05 19 16-0380 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	5,338.70
26 05 19 16-0381 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	6,391.46
26 05 19 16-0382 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	7,534.09
26 05 19 16-0383 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	8,726.53
26 05 19 16-0384 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	10,011.65
26 05 19 16-0385 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	11,250.01
26 05 19 16-0386 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	13,429.43
26 05 19 16-0387 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	16,829.36
26 05 19 16-0388 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Copper, Underground Feeder And Branch Circuit.....	25,959.87
26 05 19 16-0389 MLF #2 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	5,002.57
26 05 19 16-0390 MLF #1/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	7,297.17
26 05 19 16-0391 MLF #2/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	8,089.50
26 05 19 16-0392 MLF #3/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	9,211.80
26 05 19 16-0393 MLF #4/0 AWG Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	10,249.88
26 05 19 16-0394 MLF 250 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	11,030.63

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0395 MLF 350 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	16,153.93	
26 05 19 16-0396 MLF 400 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	17,584.65	
26 05 19 16-0397 MLF 500 MCM Cable - Type EPR, 600 Volt Copper, Underground Feeder And Branch Circuit.....	20,171.75	
26 05 19 16-0398 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0261)		
26 05 19 16-0399 ACTHH, Solid (26 05 19 16-0398)		
26 05 19 16-0400 MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid	1,768.08	493.35
26 05 19 16-0401 MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid	2,039.47	559.13
26 05 19 16-0402 MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid	2,335.07	592.03
26 05 19 16-0403 MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,546.63	822.25
26 05 19 16-0404 MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,727.36	920.76
26 05 19 16-0405 MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,457.17	1,020.17
26 05 19 16-0406 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,524.83	1,118.67
26 05 19 16-0407 MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,081.50	920.76
26 05 19 16-0408 MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,226.67	1,020.17
26 05 19 16-0409 MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,130.44	1,151.65
26 05 19 16-0410 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid	5,372.52	1,249.66
26 05 19 16-0411 MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid	3,676.67	1,020.17
26 05 19 16-0412 MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,027.88	1,151.65
26 05 19 16-0413 MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,130.54	1,282.79
26 05 19 16-0414 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid	6,663.38	1,381.96
26 05 19 16-0415 ACTHH, Stranded (26 05 19 16-0398)		
26 05 19 16-0416 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	4,690.06	1,184.78
26 05 19 16-0417 MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	5,723.65	1,347.92
26 05 19 16-0418 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	5,537.46	1,315.60
26 05 19 16-0419 MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	6,952.91	1,478.90
26 05 19 16-0420 MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	8,809.88	1,644.50
26 05 19 16-0421 MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	10,132.83	1,807.15
26 05 19 16-0422 MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	11,616.11	1,971.84
26 05 19 16-0423 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	7,154.09	1,578.23
26 05 19 16-0424 MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	8,670.14	1,742.02
26 05 19 16-0425 MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	11,170.83	1,907.78
26 05 19 16-0426 MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	12,243.28	2,071.17
26 05 19 16-0427 MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	14,538.11	2,234.38
26 05 19 16-0428 HCFC, Solid (26 05 19 16-0398)		
26 05 19 16-0429 MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid	2,855.04	822.25
26 05 19 16-0430 MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid	3,124.81	923.88
26 05 19 16-0431 MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid	3,493.66	1,015.15
26 05 19 16-0432 MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid	3,464.69	923.88
26 05 19 16-0433 MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid	3,716.05	1,015.15
26 05 19 16-0434 MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid	4,868.80	1,158.14
26 05 19 16-0435 MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid	4,263.13	1,015.15
26 05 19 16-0436 MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid	4,655.44	1,158.14
26 05 19 16-0437 MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid	6,379.46	1,284.77
26 05 19 16-0438 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0398)		
26 05 19 16-0439 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,571.63	822.25
26 05 19 16-0440 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,870.90	923.88
26 05 19 16-0441 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,476.24	1,015.15
26 05 19 16-0442 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,502.07	1,084.80
26 05 19 16-0443 MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,658.64	1,150.00
26 05 19 16-0444 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,977.05	923.88
26 05 19 16-0445 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,366.16	1,015.15
26 05 19 16-0446 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,312.52	1,158.14
26 05 19 16-0447 MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,672.39	1,249.66
26 05 19 16-0448 MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,664.00	1,347.92
26 05 19 16-0449 MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,305.68	1,447.66
26 05 19 16-0450 MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,727.40	1,545.59
26 05 19 16-0451 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,466.60	1,015.15
26 05 19 16-0452 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,972.65	1,158.14
26 05 19 16-0453 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,129.45	1,284.77
26 05 19 16-0454 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,403.19	1,415.26
26 05 19 16-0455 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,329.51	1,514.26
26 05 19 16-0456 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	13,737.27	1,612.27
26 05 19 16-0457 MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	17,850.74	1,709.46
26 05 19 16-0458 MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0398)		
26 05 19 16-0459 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	2,615.49	822.25
26 05 19 16-0460 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	2,879.57	923.88
26 05 19 16-0461 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,543.70	1,015.15
26 05 19 16-0462 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,175.62	923.88
26 05 19 16-0463 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,418.47	1,015.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0464 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	4,456.99	1,158.14
26 05 19 16-0465 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,107.12	1,015.15
26 05 19 16-0466 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,491.56	1,158.14
26 05 19 16-0467 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	6,524.11	1,284.77
26 05 19 16-0468 FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0398)</small>		
<i>Note: Color coded red.</i>		
26 05 19 16-0469 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,382.57	624.91
26 05 19 16-0470 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,712.36	723.58
26 05 19 16-0471 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,326.41	822.25
26 05 19 16-0472 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,804.71	920.92
26 05 19 16-0473 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	2,717.77	723.58
26 05 19 16-0474 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,196.57	822.25
26 05 19 16-0475 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,960.60	920.92
26 05 19 16-0476 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,492.03	1,019.59
26 05 19 16-0477 FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0398)</small>		
<i>Note: Color coded red.</i>		
26 05 19 16-0478 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,027.89	822.25
26 05 19 16-0479 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	3,711.76	920.92
26 05 19 16-0480 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	4,839.72	1,019.59
26 05 19 16-0481 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	5,580.64	1,118.26
26 05 19 16-0482 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	3,763.89	920.92
26 05 19 16-0483 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	4,553.99	1,019.59
26 05 19 16-0484 FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0398)</small>		
<i>Note: Color coded red.</i>		
26 05 19 16-0485 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,559.61	624.91
26 05 19 16-0486 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,062.89	920.92
26 05 19 16-0487 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,126.44	723.58
26 05 19 16-0488 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	3,677.54	822.25
26 05 19 16-0489 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,054.63	1,019.59
26 05 19 16-0490 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	3,665.83	855.14
26 05 19 16-0491 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,495.37	986.71
26 05 19 16-0492 Armored Cable Connectors <small>(26 05 19 16-0398)</small>		
26 05 19 16-0493 EA 3/4" Armored Cable Connector	4.88	1.80
<i>For Work In Restricted Working Space, Add</i>		
	1.35	
<i>For Installation Above 14', Add</i>		
	0.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.35	
26 05 19 16-0494 EA 1" Armored Cable Connector	5.75	2.11
<i>For Work In Restricted Working Space, Add</i>		
	1.58	
<i>For Installation Above 14', Add</i>		
	0.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.58	
26 05 19 16-0495 EA 1-1/4" Armored Cable Connector	8.17	3.01
<i>For Work In Restricted Working Space, Add</i>		
	2.26	
<i>For Installation Above 14', Add</i>		
	1.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.26	
26 05 19 16-0496 600 Volt, Feeder Wire, Single Stranded Copper <small>(26 05 19 16-0261)</small>		
26 05 19 16-0497 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	646.31	120.50
<i>For EPR Insulation, Add</i>		
	29.29	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	68.35	
26 05 19 16-0498 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	725.27	133.43
<i>For EPR Insulation, Add</i>		
	29.86	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	69.67	
26 05 19 16-0499 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	892.02	166.80
<i>For EPR Insulation, Add</i>		
	43.60	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	101.72	
26 05 19 16-0500 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,229.53	265.36
<i>For EPR Insulation, Add</i>		
	71.67	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	167.23	
26 05 19 16-0501 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,704.97	318.42
<i>For EPR Insulation, Add</i>		
	120.44	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	281.02	
26 05 19 16-0502 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,342.27	369.70
<i>For EPR Insulation, Add</i>		
	182.21	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	425.15	
26 05 19 16-0503 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,673.91	423.15
<i>For EPR Insulation, Add</i>		
	209.40	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	488.60	
26 05 19 16-0504 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,401.09	476.58
<i>For EPR Insulation, Add</i>		
	295.92	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	690.49	
26 05 19 16-0505 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	4,244.22	530.78
<i>For EPR Insulation, Add</i>		
	399.84	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	932.97	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0506 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	5,133.29 499.38 1,165.21	598.82
26 05 19 16-0507 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	6,214.49 627.73 1,464.70	664.07
26 05 19 16-0508 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	7,484.63 784.42 1,830.32	741.34
26 05 19 16-0509 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	8,452.71 895.81 2,090.21	824.25
26 05 19 16-0510 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	8,991.06 942.73 2,199.71	904.01
26 05 19 16-0511 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	10,651.64 1,157.99 2,701.98	993.77
26 05 19 16-0512 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	11,900.39 1,311.48 3,060.11	1,053.53
26 05 19 16-0513 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	13,358.25 1,496.33 3,491.44	1,177.49
26 05 19 16-0514 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	15,305.51 1,754.59 4,094.04	1,309.56
26 05 19 16-0515 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	17,971.27 2,109.35 4,921.82	1,362.49
26 05 19 16-0516 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	29,472.36 3,766.86 8,789.34	1,415.34
26 05 19 16-0517 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	37,243.10 4,887.37 11,403.86	1,512.31
26 05 19 16-0518 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,158.83	270.47
26 05 19 16-0519 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,468.11	300.69
26 05 19 16-0520 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,850.96	361.13
26 05 19 16-0521 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,197.87	420.81
26 05 19 16-0522 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,363.16	450.58
26 05 19 16-0523 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	376.21	150.34
26 05 19 16-0524 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	468.80	165.38
26 05 19 16-0525 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	478.28	120.57
26 05 19 16-0526 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	597.58	143.73
26 05 19 16-0527 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	746.37	180.79
26 05 19 16-0528 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,059.75	238.30
26 05 19 16-0529 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,460.49	287.76
26 05 19 16-0530 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,953.71	340.08
26 05 19 16-0531 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,343.14	384.96
26 05 19 16-0532 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,814.62	431.11
26 05 19 16-0533 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,371.63	486.51
26 05 19 16-0534 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,923.95	532.74
26 05 19 16-0535 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,468.17	588.74
26 05 19 16-0536 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,338.70	622.72
26 05 19 16-0537 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,391.46	700.60
26 05 19 16-0538 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,534.09	745.33
26 05 19 16-0539 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,726.53	844.11
26 05 19 16-0540 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,011.65	934.16
26 05 19 16-0541 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,250.03	959.72
26 05 19 16-0542 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,429.43	1,015.34
26 05 19 16-0543 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	16,754.19	1,194.85
26 05 19 16-0544 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	25,959.86	1,415.34
26 05 19 16-0545 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	31,142.77	1,708.81
26 05 19 16-0546 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,357.03	361.13
26 05 19 16-0547 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,594.45	420.81
26 05 19 16-0548 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,014.81	481.48
26 05 19 16-0549 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,024.03	541.01
26 05 19 16-0550 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,575.04	601.38
26 05 19 16-0551 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,968.17	660.91
26 05 19 16-0552 600 Volt, Feeder Wire, Single Stranded Aluminum <small>(26 05 19 16-0261)</small>		
26 05 19 16-0553 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,125.97	234.67
26 05 19 16-0554 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,364.04	272.87
26 05 19 16-0555 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,805.46	350.28
26 05 19 16-0556 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,319.83	391.15
26 05 19 16-0557 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,682.42	440.69
26 05 19 16-0558 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,069.35	486.40
26 05 19 16-0559 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,665.88	548.92
26 05 19 16-0560 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,108.18	605.61
26 05 19 16-0561 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,738.92	665.75
26 05 19 16-0562 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	6,307.11	782.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0563 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,004.46	957.84
26 05 19 16-0564 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	11,406.24	1,268.55
26 05 19 16-0565 MLF 1,000 MCM Cable - Type THHN-THWN, 600 Volt, Aluminum, Single Stranded, Placed In Conduit	15,977.97	1,538.82
26 05 19 16-0566 MLF #8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,465.58	266.93
26 05 19 16-0567 MLF #6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,751.11	300.69
26 05 19 16-0568 MLF #4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,183.74	369.92
26 05 19 16-0569 MLF #2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,820.94	453.43
26 05 19 16-0570 MLF #1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,832.95	533.79
26 05 19 16-0571 MLF 1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,359.48	601.60
26 05 19 16-0572 MLF 2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,045.05	668.20
26 05 19 16-0573 MLF 3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,008.33	729.02
26 05 19 16-0574 MLF 4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,677.00	775.85
26 05 19 16-0575 MLF 250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,786.03	830.12
26 05 19 16-0576 MLF 300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	10,011.57	889.65
26 05 19 16-0577 MLF 350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	10,449.62	961.07
26 05 19 16-0578 MLF 400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	11,835.19	1,048.04
26 05 19 16-0579 MLF 500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	13,390.12	1,202.75
26 05 19 16-0580 MLF 600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	16,273.27	1,265.74
26 05 19 16-0581 MLF 700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	18,067.43	1,334.45
26 05 19 16-0582 MLF 750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	18,471.47	1,418.19
26 05 19 16-0583 MLF 1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	27,357.68	1,987.54
26 05 19 16-0584 MLF #6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,887.39	300.69
26 05 19 16-0585 MLF #4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,384.66	369.85
26 05 19 16-0586 MLF #2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,017.09	454.04
26 05 19 16-0587 MLF #1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,020.06	530.78
26 05 19 16-0588 MLF #1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,547.09	598.82
26 05 19 16-0589 MLF #2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,229.43	664.07
26 05 19 16-0590 MLF #3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,300.36	729.02
26 05 19 16-0591 MLF #4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,001.48	775.85
26 05 19 16-0592 MLF 250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,239.07	829.60
26 05 19 16-0593 MLF 300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	10,663.35	890.79
26 05 19 16-0594 MLF 350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	11,166.78	962.35
26 05 19 16-0595 MLF 400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	12,478.27	1,045.64
26 05 19 16-0596 MLF 500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	14,363.55	1,202.75
26 05 19 16-0597 MLF 600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	17,108.35	1,262.36
26 05 19 16-0598 MLF 700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	19,365.34	1,334.45
26 05 19 16-0599 MLF 750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	19,953.34	1,413.90

26 05 19 16-0600 Non-Metallic Sheathed Cable (26 05 19 16-0261)

26 05 19 16-0601 Indoor Installation (26 05 19 16-0600)

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0602 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	1,735.21	571.23
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	214.21	
26 05 19 16-0603 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,146.22	691.58
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	259.35	
26 05 19 16-0604 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	1,937.31	649.48
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	231.15	
26 05 19 16-0605 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,416.03	721.50
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	270.57	
26 05 19 16-0606 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,459.45	721.87
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	270.71	
26 05 19 16-0607 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,054.60	842.07
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	315.78	
26 05 19 16-0608 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,222.84	864.48
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	307.83	
26 05 19 16-0609 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,247.72	1,044.89
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	372.10	
26 05 19 16-0610 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,926.29	984.75
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	349.55	
26 05 19 16-0611 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	5,125.98	1,187.72
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	422.84	
26 05 19 16-0612 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	6,842.12	1,307.99
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	465.12	
26 05 19 16-0613 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	9,847.57	1,420.74
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		
	507.41	

26 05 19 16-0614 Direct Burial Cable (26 05 19 16-0600)

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0615 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	1,885.75	
26 05 19 16-0616 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,404.39	
26 05 19 16-0617 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,408.83	
26 05 19 16-0618 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,863.01	
26 05 19 16-0619 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,761.55	
26 05 19 16-0620 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,488.76	
26 05 19 16-0621 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,856.71	
26 05 19 16-0622 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,932.57	
26 05 19 16-0623 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,080.59	
26 05 19 16-0624 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	6,067.17	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0625 SEU Cable Copper, 3 Conductor (26 05 19 16-0600)		
26 05 19 16-0626 MLF 12-12-12 Cable SEU Copper	2,506.24	723.82
26 05 19 16-0627 MLF 10-10-10 Cable SEU Copper	3,065.01	822.25
26 05 19 16-0628 MLF 8-8-8 Cable SEU Copper	3,728.99	920.76
26 05 19 16-0629 MLF 6-6-8 Cable SEU Copper	4,618.02	987.12
26 05 19 16-0630 MLF 6-6-6 Cable SEU Copper	4,952.56	1,020.17
26 05 19 16-0631 MLF 4-4-6 Cable SEU Copper	5,996.51	1,118.67
26 05 19 16-0632 MLF 4-4-4 Cable SEU Copper	6,430.60	1,151.65
26 05 19 16-0633 MLF 3-3-5 Cable SEU Copper	6,892.56	1,249.66
26 05 19 16-0634 MLF 3-3-3 Cable SEU Copper	7,439.98	1,315.60
26 05 19 16-0635 MLF 2-2-4 Cable SEU Copper	8,241.46	1,381.96
26 05 19 16-0636 MLF 2-2-2 Cable SEU Copper	8,971.37	1,447.66
26 05 19 16-0637 MLF 1-1-1 Cable SEU Copper	11,263.35	1,644.50
26 05 19 16-0638 MLF 1/0-1/0-1/0 Cable SEU Copper	12,733.57	1,843.65
26 05 19 16-0639 MLF 2/0-2/0-2/0 Cable SEU Copper	15,133.20	2,076.43
26 05 19 16-0640 MLF 3/0-3/0-3/0 Cable SEU Copper	18,112.76	2,309.70
26 05 19 16-0641 MLF 4/0-4/0-4/0 Cable SEU Copper	20,118.78	2,577.59
26 05 19 16-0642 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0600)		
26 05 19 16-0643 MLF 8-8-8 Cable SEU Aluminum	9,871.23	923.88
26 05 19 16-0644 MLF 6-6-6 Cable SEU Aluminum	10,147.32	1,015.15
26 05 19 16-0645 MLF 4-4-6 Cable SEU Aluminum	11,978.23	1,111.19
26 05 19 16-0646 MLF 4-4-4 Cable SEU Aluminum	12,651.48	1,158.14
26 05 19 16-0647 MLF 2-2-4 Cable SEU Aluminum	15,444.01	1,370.44
26 05 19 16-0648 MLF 2-2-2 Cable SEU Aluminum	16,640.23	1,442.55
26 05 19 16-0649 MLF 1-1-1 Cable SEU Aluminum	21,774.04	1,644.50
26 05 19 16-0650 MLF 1/0-1/0-2 Cable SEU Aluminum	23,245.94	1,731.08
26 05 19 16-0651 MLF 1/0-1/0-1/0 Cable SEU Aluminum	33,853.68	1,827.20
26 05 19 16-0652 MLF 2/0-2/0-1 Cable SEU Aluminum	26,179.78	1,957.78
26 05 19 16-0653 MLF 2/0-2/0-2/0 Cable SEU Aluminum	27,909.94	2,055.63
26 05 19 16-0654 MLF 3/0-3/0-1/0 Cable SEU Aluminum	32,161.06	2,152.49
26 05 19 16-0655 MLF 3/0-3/0-3/0 Cable SEU Aluminum	34,787.04	2,284.05
26 05 19 16-0656 MLF 4/0-4/0-2/0 Cable SEU Aluminum	35,556.76	2,469.22
26 05 19 16-0657 MLF 4/0-4/0-4/0 Cable SEU Aluminum	38,328.02	2,569.54
26 05 19 16-0658 SER Cable Copper, 4 Conductor (26 05 19 16-0600)		
26 05 19 16-0659 MLF 6-6-6-6 Cable SER Copper	7,044.62	1,184.78
26 05 19 16-0660 MLF 4-4-4-6 Cable SER Copper	9,091.07	1,282.79
26 05 19 16-0661 MLF 3-3-3-5 Cable SER Copper	10,675.67	1,447.66
26 05 19 16-0662 MLF 2-2-2-4 Cable SER Copper	12,465.16	1,578.23
26 05 19 16-0663 MLF 1-1-1-3 Cable SER Copper	15,185.93	1,807.15
26 05 19 16-0664 MLF 1/0-1/0-1/0-2 Cable SER Copper	19,324.24	2,071.17
26 05 19 16-0665 MLF 2/0-2/0-2/0-1 Cable SER Copper	23,087.26	2,234.38
26 05 19 16-0666 MLF 3/0-3/0-3/0-1/0 Cable SER Copper	27,853.78	2,499.23
26 05 19 16-0667 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0668 ACSR Cable (26 05 19 16-0667)		
26 05 19 16-0669 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable	1,650.94	381.45
26 05 19 16-0670 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable	1,818.66	396.07
26 05 19 16-0671 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable	2,082.53	411.33
26 05 19 16-0672 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable	2,249.90	426.22
26 05 19 16-0673 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable	2,748.15	440.68
26 05 19 16-0674 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable	3,300.53	499.55
26 05 19 16-0675 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable	3,964.23	557.10
26 05 19 16-0676 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable	4,738.73	615.45
26 05 19 16-0677 MLF #1 Bare Aluminum Wire	2,580.10	518.98
26 05 19 16-0678 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable	5,054.48	790.92
26 05 19 16-0679 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable	5,695.57	907.26
26 05 19 16-0680 All Aluminum Conductors (26 05 19 16-0667)		
26 05 19 16-0681 MLF 795.0 ACSR Conductor Aluminum	34,586.64	7,505.12
26 05 19 16-0682 Single Copper Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0683 Bare Stranded Conductor (26 05 19 16-0682)		
26 05 19 16-0684 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	990.74	323.19
26 05 19 16-0685 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,169.59	352.28
26 05 19 16-0686 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,349.39	381.71
26 05 19 16-0687 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,671.90	411.33
26 05 19 16-0688 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,052.49	441.03
26 05 19 16-0689 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,973.79	528.99
26 05 19 16-0690 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,424.09	587.59
26 05 19 16-0691 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,915.89	645.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0692 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,284.94	765.18
26 05 19 16-0693 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,429.46	879.77
26 05 19 16-0694 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,883.35	997.07
26 05 19 16-0695 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,741.92	1,175.10
26 05 19 16-0696 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,930.79	1,236.97
26 05 19 16-0697 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	11,232.99	1,295.41
26 05 19 16-0698 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	12,441.15	1,348.56
26 05 19 16-0699 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	14,559.11	1,406.10
26 05 19 16-0700 Insulated Stranded Conductor <small>(26 05 19 16-0682)</small>		
26 05 19 16-0701 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,079.91	323.19
26 05 19 16-0702 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,284.64	352.28
26 05 19 16-0703 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,576.51	381.71
26 05 19 16-0704 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,714.89	411.33
26 05 19 16-0705 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,118.08	441.03
26 05 19 16-0706 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,879.07	528.99
26 05 19 16-0707 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,414.64	587.59
26 05 19 16-0708 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,047.77	645.15
26 05 19 16-0709 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,879.94	765.18
26 05 19 16-0710 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	5,864.93	879.77
26 05 19 16-0711 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	6,927.39	997.07
26 05 19 16-0712 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,472.46	1,175.10
26 05 19 16-0713 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,644.04	1,236.97
26 05 19 16-0714 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,596.74	1,295.41
26 05 19 16-0715 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	11,913.61	1,348.56
26 05 19 16-0716 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	13,437.06	1,406.10
26 05 19 16-0717 Bare Solid Conductor <small>(26 05 19 16-0682)</small>		
26 05 19 16-0718 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles	990.74	323.19
26 05 19 16-0719 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,349.39	381.71
26 05 19 16-0720 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,671.90	411.33
26 05 19 16-0721 MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles	2,025.39	441.03
26 05 19 23 Manufactured Wiring Assemblies <small>(26 05 19)</small>		
26 05 19 23-0001 Festoon Cable Systems Complete System <small>(26 05 19 23)</small>		
26 05 19 23-0002 Components <small>(26 05 19 23-0001)</small>		
26 05 19 23-0003 LF 20' C Channel Type Track, Galvanized Steel Festoon Cable System Components	11.12	4.93
26 05 19 23-0004 EA Channel Track Hanger, Plated Steel Festoon Cable System Components	44.18	18.09
26 05 19 23-0005 EA Channel Track Joint Clamp Assembly Festoon Cable System Components	36.31	18.09
26 05 19 23-0006 EA End Stop For Channel Track Festoon Cable System Components	9.24	4.11
26 05 19 23-0007 EA End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System	46.23	20.56
26 05 19 23-0008 EA Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	40.86	1.64
26 05 19 23-0009 EA Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	46.80	1.64
26 05 19 23-0010 EA J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components	273.87	102.78
26 05 19 23-0011 EA Watertight Connector For Flat Cable Festoon Cable System Components	25.01	8.23
26 05 19 23-0012 Cable <small>(26 05 19 23-0001)</small>		
26 05 19 23-0013 LF 12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.65	1.64
26 05 19 23-0014 LF 12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.09	1.64
26 05 19 23-0015 LF 8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.20	1.64
26 05 19 23-0016 LF 8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.24	1.64
26 05 19 23-0017 LF 7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.71	1.64
26 05 19 23-0018 LF 4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.34	1.64
26 05 19 23-0019 LF 4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.58	1.64
26 05 19 23-0020 Complete Systems <small>(26 05 19 23-0001)</small>		
26 05 19 23-0021 EA Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment	4,578.39	1,644.50
Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.		
26 05 23 Control-Voltage Electrical Power Cables <small>(26 05)</small>		
26 05 23 00-0001 Cable For Sound System <small>(26 05 23)</small>		
26 05 23 00-0002 Shielded Conductors <small>(26 05 23 00-0001)</small>		
Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.		
26 05 23 00-0003 MLF 1 Pair #20 AWG Sound System, Placed In Conduit, Shielded	701.53	300.69
26 05 23 00-0004 MLF 1 Pair #14 AWG Sound System, Placed In Conduit, Shielded	1,099.04	300.69
26 05 23 00-0005 LF 3 Conductor #16 AWG Sound System, Placed In Conduit, Shielded	0.92	0.18
26 05 23 00-0006 MLF 18/6 AWG Sound System, Placed In Conduit, Shielded	969.63	182.21

26 Electrical**26 05 Common Work Results For Electrical****26 05 23 Control-Voltage Electrical Power Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 23 00-0007	Cable For HVAC System Controls <small>(26 05 23)</small>		
26 05 23 00-0008	Low Voltage Cable To 300 Volts <small>(26 05 23 00-0007)</small>		
	Note: For surface or conduit installation. Thermostat wiring.		
26 05 23 00-0009	MLF 2/c #18, 300 Volt, Thermostat Cable, Low Volt Cable For HVAC System Controls	848.78	95.85
26 05 23 00-0010	MLF 3/c #18, 300 Volt, Thermostat Cable, Low Volt Cable For HVAC System Controls	1,102.67	100.95
26 05 23 00-0011	MLF 4/c #18, 300 Volt, Thermostat Cable, Low Volt Cable For HVAC System Controls	1,446.63	106.75
26 05 23 00-0012	MLF 6/c #18 300 V Twisted Shielded Cable, In Conduit	1,252.76	144.03
26 05 23 00-0013	MLF 8/c #18 300 V Twisted Shielded Cable, In Conduit	1,669.23	126.22

26 05 26 Grounding And Bonding For Electrical Systems (26 05)

26 05 26 00-0001	Conductors, Straps And Conduit Jumpers <small>(26 05 26)</small>		
26 05 26 00-0002	Single Conductor <small>(26 05 26 00-0001)</small>		
26 05 26 00-0003	Copper Bare Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0004	MLF 12 AWG Copper Bare Single Stranded Conductor	455.88	158.85
26 05 26 00-0005	MLF 10 AWG Copper Bare Single Stranded Conductor	615.52	158.85
26 05 26 00-0006	MLF 8 AWG Copper Bare Single Stranded Conductor	775.81	191.35
26 05 26 00-0007	MLF 6 AWG Copper Bare Single Stranded Conductor	1,093.25	191.35
26 05 26 00-0008	MLF 4 AWG Copper Bare Single Stranded Conductor	1,490.74	231.07
26 05 26 00-0009	MLF 2 AWG Copper Bare Single Stranded Conductor	2,385.53	231.07
26 05 26 00-0010	MLF 1 AWG Copper Bare Single Stranded Conductor	2,771.63	278.00
26 05 26 00-0011	MLF 1/0 AWG Copper Bare Single Stranded Conductor	3,254.82	278.00
26 05 26 00-0012	MLF 2/0 AWG Copper Bare Single Stranded Conductor	4,598.27	350.21
26 05 26 00-0013	MLF 3/0 AWG Copper Bare Single Stranded Conductor	5,687.57	350.21
26 05 26 00-0014	MLF 4/0 AWG Copper Bare Single Stranded Conductor	6,010.08	465.74
26 05 26 00-0015	MLF 250 MCM Copper Bare Single Stranded Conductor	7,758.47	465.74
26 05 26 00-0016	MLF 300 MCM Copper Bare Single Stranded Conductor	7,767.37	537.94
26 05 26 00-0017	MLF 350 MCM Copper Bare Single Stranded Conductor	10,532.31	537.94
26 05 26 00-0018	MLF 500 MCM Copper Bare Single Stranded Conductor	14,419.06	664.31

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020	MLF 12 AWG Copper Insulated Single Stranded Conductor	900.80	216.62
26 05 26 00-0021	MLF 10 AWG Copper Insulated Single Stranded Conductor	945.98	216.62
26 05 26 00-0022	MLF 8 AWG Copper Insulated Single Stranded Conductor	1,225.68	216.62
26 05 26 00-0023	MLF 6 AWG Copper Insulated Single Stranded Conductor	1,378.27	375.49
26 05 26 00-0024	MLF 4 AWG Copper Insulated Single Stranded Conductor	1,889.37	375.49
26 05 26 00-0025	MLF 2 AWG Copper Insulated Single Stranded Conductor	2,702.38	375.49
26 05 26 00-0026	MLF 1 AWG Copper Insulated Single Stranded Conductor	3,284.58	657.09
26 05 26 00-0027	MLF 1/0 AWG Copper Insulated Single Stranded Conductor	4,025.59	657.09
26 05 26 00-0028	MLF 2/0 AWG Copper Insulated Single Stranded Conductor	4,746.55	657.09
26 05 26 00-0029	MLF 3/0 AWG Copper Insulated Single Stranded Conductor	5,688.08	657.09
26 05 26 00-0030	MLF 4/0 AWG Copper Insulated Single Stranded Conductor	6,738.24	859.28
26 05 26 00-0031	MLF 250 MCM Copper Insulated Single Stranded Conductor	8,191.83	859.28
26 05 26 00-0032	MLF 300 MCM Copper Insulated Single Stranded Conductor	9,573.00	859.28
26 05 26 00-0033	MLF 350 MCM Copper Insulated Single Stranded Conductor	11,135.68	1,335.85
26 05 26 00-0034	MLF 500 MCM Copper Insulated Single Stranded Conductor	14,628.41	1,335.85

26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)

26 05 26 00-0036	MLF 12 AWG Copper Bare Single Solid Conductor	455.88	158.85
26 05 26 00-0037	MLF 10 AWG Copper Bare Single Solid Conductor	615.52	158.85
26 05 26 00-0038	MLF 8 AWG Copper Bare Single Solid Conductor	775.81	191.35
26 05 26 00-0039	MLF 6 AWG Copper Bare Single Solid Conductor	1,093.25	191.35
26 05 26 00-0040	MLF 4 AWG Copper Bare Single Solid Conductor	1,490.74	231.07
26 05 26 00-0041	MLF 2 AWG Copper Bare Single Solid Conductor	2,385.53	231.07
26 05 26 00-0042	MLF 1/0 AWG Copper Bare Single Solid Conductor	3,254.82	278.00
26 05 26 00-0043	MLF 4/0 AWG Copper Bare Single Solid Conductor	6,010.08	368.26

26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0045	MLF 8 AWG Aluminum Bare Single Stranded Conductor	1,080.63	191.35
26 05 26 00-0046	MLF 6 AWG Aluminum Bare Single Stranded Conductor	1,264.04	191.35
26 05 26 00-0047	MLF 4 AWG Aluminum Bare Single Stranded Conductor	1,553.88	231.07
26 05 26 00-0048	MLF 2 AWG Aluminum Bare Single Stranded Conductor	2,173.54	231.07
26 05 26 00-0049	MLF 1 AWG Aluminum Bare Single Stranded Conductor	2,752.02	278.00
26 05 26 00-0050	MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	3,156.19	278.00
26 05 26 00-0051	MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	3,667.84	350.21
26 05 26 00-0052	MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	4,363.60	350.21
26 05 26 00-0053	MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	5,137.13	465.74
26 05 26 00-0054	MLF 250 MCM Aluminum Bare Single Stranded Conductor	5,942.43	465.74
26 05 26 00-0055	MLF 300 MCM Aluminum Bare Single Stranded Conductor	7,630.41	537.94
26 05 26 00-0056	MLF 350 MCM Aluminum Bare Single Stranded Conductor	9,022.65	537.94
26 05 26 00-0057	MLF 500 MCM Aluminum Bare Single Stranded Conductor	10,488.98	664.31

26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	1,080.63	191.35
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	1,264.04	191.35
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	1,553.88	231.07
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	2,173.54	231.07
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	2,722.88	368.26
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	3,156.19	368.26
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	3,595.66	350.21
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	4,218.24	350.21
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	5,137.13	465.74
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor	5,942.43	465.74
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor	7,630.41	537.94
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor	9,022.65	537.94
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor	10,488.98	664.31
26 05 26 00-0072 Aluminum Smooth Woven Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.83	0.57
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.02	0.62
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.39	0.71
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.33	0.73
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.52	0.76
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap <small>(26 05 26 00-0001)</small>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	159.91	20.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.33	
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length	171.96	24.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.80	
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length	221.05	24.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.80	
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length	269.48	24.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.80	
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length	231.83	26.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.50	
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length	302.46	26.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.50	
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length	363.83	26.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.50	
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length	302.59	33.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	20.35	
26 05 26 00-0087 EA 800 Amp, Copper Flexible Braid Jumper Strap, 12" Length	662.02	41.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	24.67	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit.....	176.31	45.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.70	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit.....	217.35	45.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	31.63	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit.....	354.45	69.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	37.37	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper - Metallic Conduit.....	562.46	69.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	45.68	
26 05 26 00-0093 Ground Rods <small>(26 05 26)</small>		
26 05 26 00-0094 Copper-Clad Ground Rods <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods	73.04	61.67
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods	76.54	61.67
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods	90.67	61.67
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods	86.17	61.67
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	90.55	61.67
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	108.21	61.67
26 05 26 00-0101 Copper Grounding Shaft <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	250.60	61.67
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	312.63	61.67
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	489.23	61.67
26 05 26 00-0105 Ground Access Wells <small>(26 05 26 00-0093)</small>		
26 05 26 00-0106 Precast Ground Access Wells <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well.....	158.59	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well.....	165.66	
Note: With cast iron grate.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	441.99	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	449.07	
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	251.80	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	293.58	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	530.96	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	241.42	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	260.63	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	509.93	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	141.42	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	151.37	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	159.57	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	112.38	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	159.75	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	271.34	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	355.36	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	222.16	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	315.16	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	328.72	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	400.35	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	184.95	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	311.14	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	334.22	
26 05 26 00-0132 Polymer Concrete Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	281.62	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	307.74	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	309.51	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	338.21	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	338.44	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	369.96	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	447.04	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	489.84	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	109.30	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	150.61	
26 05 26 00-0144 Ground Rod Clamps And Fittings <small>(26 05 26)</small>		
26 05 26 00-0145 Ground Rod Clamps <small>(26 05 26 00-0144)</small>		
26 05 26 00-0146 EA 1/2" Ground Rod Clamp	17.29	9.29
26 05 26 00-0147 EA 5/8" Ground Rod Clamp	18.17	9.29
26 05 26 00-0148 EA 3/4" Ground Rod Clamp	19.43	9.29
26 05 26 00-0149 Bronze Pipe Clamps <small>(26 05 26 00-0144)</small>		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	22.68	15.45
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe	29.38	18.50
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe	46.45	21.63
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	56.19	27.79
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe	87.14	40.13
26 05 26 00-0155 Grounding Fittings <small>(26 05 26 00-0144)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0156 Embedded Fittings <small>(26 05 26 00-0156)</small>		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	116.55	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	124.55	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	138.73	
26 05 26 00-0160 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	109.73	
26 05 26 00-0161 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	131.45	
26 05 26 00-0162 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	154.32	
26 05 26 00-0163 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	174.23	
26 05 26 00-0164 Ground Rod Receptacle <small>(26 05 26 00-0155)</small>		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle.....	252.49	85.51
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle.....	264.40	87.92
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle.....	276.57	90.31
26 05 26 00-0168 Ground Kits For Circuit Breaker Panels <small>(26 05 26 00-0155)</small>		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit.....	56.17	20.56
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit.....	47.74	20.56
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit.....	62.89	20.56
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit.....	52.38	20.56
26 05 26 00-0173 Insulated Grounding Bars <small>(26 05 26 00-0144)</small>		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10".....	241.62	20.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	37.00	
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	254.60	20.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	37.00	
26 05 26 00-0176 Ground Conductor Bonding <small>(26 05 26)</small>		
26 05 26 00-0177 Ground Conductor Bonding <small>(26 05 26 00-0176)</small>		
26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	100.09	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	108.30	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	116.53	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0182 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	165.86	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0183 Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0184 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	112.42	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0185 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross.....	128.86	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0186 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross.....	157.65	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0187 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	190.53	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0188 Grounding Equipment <small>(26 05 26)</small>		
26 05 26 00-0189 Special Grounding Equipment <small>(26 05 26 00-0188)</small>		
26 05 26 00-0190 Ground Reels And Ground Bus <small>(26 05 26 00-0189)</small>		
26 05 26 00-0191 EA Ground Reel With 50' Of Galvanized Steel Cable.....	586.86	
26 05 26 00-0192 Copper Bars <small>(26 05 26 00-0189)</small>		
26 05 26 00-0193 LF 1/4" x 2" Copper Bar.....	33.54	
26 05 26 00-0194 Phenolic Insulators <small>(26 05 26 00-0189)</small>		
26 05 26 00-0195 EA 2" x 2" x 1" Long Phenolic Insulators.....	22.48	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	4.94	
26 05 26 00-0196 Grounding Studs <small>(26 05 26 00-0189)</small>		
26 05 26 00-0197 EA Ball Grounding Stud.....	32.43	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	7.37	
26 05 26 00-0198 Equipment Ground Bar Kits <small>(26 05 26 00-0189)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0199	EA		Switch Rating 30 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49 4.94	
26 05 26 00-0200	EA		Switch Rating 60 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.97 5.43	
26 05 26 00-0201	EA		Switch Rating 100 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.50 6.17	
26 05 26 00-0202	EA		Switch Rating 200 Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.33 7.40	
26 05 26 00-0203 Panelboard Ground Bar Kits (26 05 26 00-0189)					
26 05 26 00-0204	EA		Panelboard Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.20 6.17	6.16
26 05 26 00-0205 Circuit Breaker Ground Bar Kits (26 05 26 00-0189)					
26 05 26 00-0206	EA		3 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.38 3.70	3.70
26 05 26 00-0207	EA		4 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.96 3.70	3.70
26 05 26 00-0208	EA		7 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.66 3.70	3.70
26 05 26 00-0209	EA		12 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.55 4.19	4.19
26 05 26 00-0210	EA		20 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00 4.69	4.69
26 05 26 00-0211	EA		24 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.90 5.18	5.18
26 05 26 00-0212	EA		30 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.47 5.92	5.92
26 05 26 00-0213	EA		54 Circuit, Ground Bar Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.84 6.91	6.91
26 05 26 00-0214	EA		24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.94 5.18	5.18
26 05 26 00-0215	EA		30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.62 5.92	5.92
26 05 26 00-0216	EA		54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.14 6.91	6.91
26 05 29 Hangers And Supports For Electrical Systems (26 05)					
26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29)					
26 05 29 00-0002 Metal Framing Channel (26 05 29 00-0001)					
26 05 29 00-0003 14 Gauge Metal Framing Channels (26 05 29 00-0002)					
26 05 29 00-0004	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	13.98	4.51
26 05 29 00-0005	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	15.18	4.51
26 05 29 00-0006	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	6.84	1.69
26 05 29 00-0007 12 Gauge Metal Framing Channels (26 05 29 00-0002)					
26 05 29 00-0008	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.83	4.51
26 05 29 00-0009	EA		Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	14.54	4.51
26 05 29 00-0010	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	14.35	4.51
26 05 29 00-0011	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	16.86	4.51
26 05 29 00-0012	EA		>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	16.29	4.51
26 05 29 00-0013	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	15.92	4.51
26 05 29 00-0014	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	7.69	1.69
26 05 29 00-0015	LF		>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	7.40	1.69
26 05 29 00-0016	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.21	1.69
26 05 29 00-0017 Metal Framing Channel Fittings (26 05 29 00-0001)					
26 05 29 00-0018 Unistrut Channel Closure Strips And Caps (26 05 29 00-0017)					
26 05 29 00-0019	LF		Raceway Closure Strip For Unistrut Channel	3.70	0.41
26 05 29 00-0020	EA		End Cap For Unistrut Channel	9.36	4.12
26 05 29 00-0021 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0017)					
26 05 29 00-0022	EA		2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	3.83	
26 05 29 00-0023	EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	3.81	
26 05 29 00-0024	EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	4.55	
26 05 29 00-0025 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0017)					
26 05 29 00-0026	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, Unistrut Channel Fitting	3.72	
26 05 29 00-0027	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Unistrut Channel Fitting	3.18	
26 05 29 00-0028	EA		3-Hole, 1-7/16" x 4-1/8", 90 Degree Angle, Unistrut Channel Fitting	5.21	
26 05 29 00-0029	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Unistrut Channel Fitting	5.14	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0030				60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0031	EA			2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Unistrut Channel Fitting	7.29	
26 05 29 00-0032				U-Connector, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0033	EA			3-Hole, 1-5/8" x 13/16", U-Connector, Unistrut Channel Fitting	5.59	
26 05 29 00-0034	EA			5-Hole, 1-5/8" x 1-5/8", U-Connector, Unistrut Channel Fitting	6.45	
26 05 29 00-0035				Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0036	EA			3-Hole, Z-Bracket, Unistrut Channel Fitting	7.47	
26 05 29 00-0037				Unistrut Channel Pipe Clamps (26 05 29 00-0017)		
				Note: Includes hex screw and nut.		
26 05 29 00-0038	EA			1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.27	1.23
26 05 29 00-0039	EA			3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.28	1.23
26 05 29 00-0040	EA			1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.35	1.23
26 05 29 00-0041	EA			1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.25	1.65
26 05 29 00-0042	EA			1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.58	1.65
26 05 29 00-0043	EA			2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.61	1.65
26 05 29 00-0044	EA			2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.67	2.06
26 05 29 00-0045	EA			3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.96	2.06
26 05 29 00-0046	EA			3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.24	2.06
26 05 29 00-0047	EA			4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.34	2.06
26 05 29 00-0048				Beam Clamps (26 05 29 00-0017)		
26 05 29 00-0049	EA			Set Screw Beam Clamp, Unistrut Channel Fitting	23.44	7.52
26 05 29 00-0050	EA			"C" Beam Clamp Use With 1/2" Rod Metal Framing Channel Fittings	20.94	7.52
26 05 29 00-0051	EA			"U" Bolt Beam Clamp, Unistrut Channel Fitting	22.79	7.52
26 05 29 00-0052				Square Washers For Unistrut Channel (26 05 29 00-0017)		
26 05 29 00-0053	EA			1/2" Bolt Size, Square Washer For Unistrut Channel	2.74	
26 05 29 00-0054				Strut Braces, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0055	EA			16" Diagonal Bar Brace For Unistrut Channel	19.85	
26 05 29 00-0056				Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0057	EA			Trolley Track Hanger For Unistrut Channel	24.80	
26 05 29 00-0058				Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0017)		
				Note: Includes hex bolt.		
26 05 29 00-0059	EA			1/4-20 Lock Nut With Spring For Unistrut Channel	5.23	
26 05 29 00-0060	EA			3/8-16 Lock Nut With Spring For Unistrut Channel	5.63	
26 05 29 00-0061	EA			1/2-13 Lock Nut With Spring For Unistrut Channel	5.92	
26 05 29 00-0062	EA			5/8-11 Lock Nut With Spring For Unistrut Channel	7.52	
26 05 29 00-0063				Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0017)		
				Note: Includes hex bolt.		
26 05 29 00-0064	EA			1/4-20 Lock Nut Without Spring For Unistrut Channel	5.24	
26 05 29 00-0065	EA			3/8-16 Lock Nut Without Spring For Unistrut Channel	5.68	
26 05 29 00-0066	EA			1/2-13 Lock Nut Without Spring For Unistrut Channel	5.95	
26 05 29 00-0067	EA			5/8-11 Lock Nut Without Spring For Unistrut Channel	7.98	
26 05 29 00-0068				Mounting Assemblies (26 05 29)		
26 05 29 00-0069				Galvanized Steel Mounting Assemblies (26 05 29 00-0068)		
26 05 29 00-0070				Galvanized Steel Back Plate (26 05 29 00-0069)		
26 05 29 00-0071	EA			1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	313.76	49.33
26 05 29 00-0072	EA			3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	78.46	16.45
26 05 29 00-0073	EA			3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	198.52	41.11
26 05 29 00-0074				Aluminum Mounting Assemblies (26 05 29 00-0068)		
26 05 29 00-0075				Aluminum Back Plate (26 05 29 00-0074)		
26 05 29 00-0076	EA			3/16" x 2' x 2' Aluminum Back Plate	180.72	61.67
26 05 29 00-0077	EA			3/16" x 4' x 4' Aluminum Back Plate	421.44	61.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0078			Supports <small>(26 05 29)</small>		
26 05 29 00-0079			One Hole Steel Conduit Straps <small>(26 05 29 00-0078)</small>		
26 05 29 00-0080	EA		1/2", One Hole Steel Conduit Strap .....2.95		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.82	
26 05 29 00-0081	EA		3/4", One Hole Steel Conduit Strap .....2.98		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0082	EA		1", One Hole Steel Conduit Strap .....3.16		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.84	
26 05 29 00-0083	EA		1-1/4", One Hole Steel Conduit Strap .....3.29		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0084	EA		1-1/2", One Hole Steel Conduit Strap .....3.38		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0085	EA		2", One Hole Steel Conduit Strap .....3.92		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0086	EA		2-1/2", One Hole Steel Conduit Strap .....4.48		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0087	EA		3", One Hole Steel Conduit Strap .....4.66		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0088	EA		3-1/2", One Hole Steel Conduit Strap .....5.57		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0089	EA		4", One Hole Steel Conduit Strap .....6.30		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0090			One Hole Iron Conduit Straps <small>(26 05 29 00-0078)</small>		
26 05 29 00-0091	EA		1/2", One Hole Iron Conduit Strap .....3.03		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0092 EA 3/4", One Hole Iron Conduit Strap .....3.12		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.84	
26 05 29 00-0093 EA 1", One Hole Iron Conduit Strap .....3.28		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0094 EA 1-1/4", One Hole Iron Conduit Strap .....3.66		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.89	
26 05 29 00-0095 EA 1-1/2", One Hole Iron Conduit Strap .....3.81		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.91	
26 05 29 00-0096 EA 2", One Hole Iron Conduit Strap .....4.76		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.69	
<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0097 EA 2-1/2", One Hole Iron Conduit Strap .....6.83		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0098 EA 3", One Hole Iron Conduit Strap .....8.54		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.38	
26 05 29 00-0099 EA 3-1/2", One Hole Iron Conduit Strap .....11.06		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.69	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.63	
26 05 29 00-0100 EA 4", One Hole Iron Conduit Strap .....21.11		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.59	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.64	
26 05 29 00-0101 EA 5", One Hole Iron Conduit Strap .....26.51		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.73	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-2.32	
<i>For >500, Deduct</i>	-3.18	
26 05 29 00-0102 Two Hole Steel Conduit Straps (26 05 29 00-0078)		
26 05 29 00-0103 EA 1/2", Two Hole Steel Conduit Strap .....3.36		
<i>For Work In Restricted Working Space, Add</i>	0.89	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0104 EA 3/4", Two Hole Steel Conduit Strap .....3.42		
<i>For Work In Restricted Working Space, Add</i>	0.89	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500, Deduct</i>	-0.93	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0105	EA	1"	Two Hole Steel Conduit Strap .....3.45		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0106	EA	1-1/4"	Two Hole Steel Conduit Strap .....3.49		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0107	EA	1-1/2"	Two Hole Steel Conduit Strap .....3.52		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0108	EA	2"	Two Hole Steel Conduit Strap .....3.59		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0109	EA	2-1/2"	Two Hole Steel Conduit Strap .....4.01		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0110	EA	3"	Two Hole Steel Conduit Strap .....4.10		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0111	EA	3-1/2"	Two Hole Steel Conduit Strap .....4.42		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0112	EA	4"	Two Hole Steel Conduit Strap .....4.65		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0113	EA	5"	Two Hole Steel Conduit Strap .....4.94		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0114			Clamp Back Spacers (26 05 29 00-0078)		
26 05 29 00-0115	EA	1/2"	Conduit, Clamp Back Spacer.....2.57		
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500, Deduct</i>	-0.67	
26 05 29 00-0116	EA	3/4"	Conduit, Clamp Back Spacer.....2.75		
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0117	EA	1"	Conduit, Clamp Back Spacer.....2.91		
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0118 EA 1-1/4" Conduit, Clamp Back Spacer	3.54	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.76	
26 05 29 00-0119 EA 1-1/2" Conduit, Clamp Back Spacer	4.04	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.81	
26 05 29 00-0120 EA 2" Conduit, Clamp Back Spacer.....	4.57	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.60	
For >500, Deduct	-0.87	
26 05 29 00-0121 EA 2-1/2" Conduit, Clamp Back Spacer	6.73	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.08	
26 05 29 00-0122 EA 3" Conduit, Clamp Back Spacer.....	9.31	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.34	
26 05 29 00-0123 EA 3-1/2" Conduit, Clamp Back Spacer	11.82	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.14	
For >500, Deduct	-1.59	
26 05 29 00-0124 EA 4" Conduit, Clamp Back Spacer.....	23.57	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.77	
26 05 29 00-0125 EA 5" Conduit, Clamp Back Spacer.....	43.43	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.27	
For >250 To 500, Deduct	-3.51	
For >500, Deduct	-4.75	
26 05 29 00-0126 Conduit Clips <small>(26 05 29 00-0078)</small>		
Note: Push in or clip.		
26 05 29 00-0127 EA 1/2" Conduit Clip.....	3.30	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.86	
26 05 29 00-0128 EA 3/4" Conduit Clip.....	3.30	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.86	
26 05 29 00-0129 EA 1" Conduit Clip.....	3.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.84	
26 05 29 00-0130 EA 1-1/4" Conduit Clip.....	3.26	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.85	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0131 Bolt And Nut Conduit Clips <small>(26 05 29 00-0078)</small>		
26 05 29 00-0132 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	4.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.92	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-1.07	
26 05 29 00-0133 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B)	4.30	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.92	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.09	
26 05 29 00-0134 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	4.59	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.98	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.16	
26 05 29 00-0135 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	4.68	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.98	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.17	
26 05 29 00-0136 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B)	5.24	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.98	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.22	
26 05 29 00-0137 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.67	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.31	
26 05 29 00-0138 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B)	6.17	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.36	
26 05 29 00-0139 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B)	11.26	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.95	
26 05 29 00-0140 Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0078)</small>		
Note: Bat wing.		
26 05 29 00-0141 EA 1/2", Conduit Hanger From Flange, Wire Or Rod	2.32	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
26 05 29 00-0142 EA 3/4", Conduit Hanger From Flange, Wire Or Rod	2.35	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
26 05 29 00-0143 EA 1", Conduit Hanger From Flange, Wire Or Rod	2.43	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.64	
26 05 29 00-0144 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.64	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.66	
26 05 29 00-0145 Beam Flange Clamps <small>(26 05 29 00-0078)</small>		
Note: For threaded rod, nut not required.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0146 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.22	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0147 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.16	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0148 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	3.48	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-0.76	
26 05 29 00-0149 T-Bar Support Clips <small>(26 05 29 00-0078)</small>		
26 05 29 00-0150 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	5.52	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.93	
<i>For >500, Deduct</i>	-1.37	
26 05 29 00-0151 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	5.27	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.91	
<i>For >500, Deduct</i>	-1.35	
26 05 29 00-0152 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	1.90	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.27	
<i>For >500, Deduct</i>	-0.40	
26 05 29 00-0153 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	14.09	
<i>For >50 To 100, Deduct</i>	-0.39	
<i>For >100 To 250, Deduct</i>	-0.79	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.74	
26 05 29 00-0154 Switch And Outlet Box Type Supports <small>(26 05 29 00-0078)</small>		
26 05 29 00-0155 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	3.77	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0156 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	3.24	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500, Deduct</i>	-0.65	
26 05 29 00-0157 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	3.69	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0158 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	2.50	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0159 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	2.59	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0160 Lighting Fix Hanger <small>(26 05 29 00-0078)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0161 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	3.80	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.04	
26 05 29 00-0162 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	11.58	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.82	
26 05 29 00-0163 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	15.66	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-2.22	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0164			Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0078)</small>		
26 05 29 00-0165	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.27	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0166	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.28	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0167	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.35	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.83	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0168	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.25	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.08	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0169	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.58	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.12	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0170	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.61	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.12	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0171	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.66	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.39	
			<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0172	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.95	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0173	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.23	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500, Deduct</i>	-1.45	
			<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0174	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.33	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.46	
			<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 29 00-0175			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0078)</small>		
26 05 29 00-0176	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.48	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0177	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.46	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0178	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.42	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	0.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0179 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.51	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.11	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0180 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.08	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.17	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0181 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.11	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.17	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0182 "J" Type Conduit Hangers <small>(26 05 29 00-0078)</small>		
26 05 29 00-0183 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	14.32	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.58	
<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 29 00-0184 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207).....	14.47	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.60	
<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 29 00-0185 EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	15.43	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.98	
<i>For >500, Deduct</i>	-2.86	
<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 29 00-0186 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	15.59	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.87	
<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 29 00-0187 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	16.53	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-3.13	
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 29 00-0188 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	17.14	
<i>For >50 To 100, Deduct</i>	-0.61	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-2.21	
<i>For >500, Deduct</i>	-3.19	
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 29 00-0189 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	26.66	
<i>For >50 To 100, Deduct</i>	-0.87	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-3.03	
<i>For >500, Deduct</i>	-4.31	
<i>For Work In Restricted Working Space, Add</i>	2.47	
26 05 29 00-0190 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	28.40	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-3.26	
<i>For >500, Deduct</i>	-4.65	
<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 29 00-0191 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	30.60	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-3.53	
<i>For >500, Deduct</i>	-5.03	
<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 29 00-0192 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	40.04	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100 To 250, Deduct</i>	-2.50	
<i>For >250 To 500, Deduct</i>	-4.24	
<i>For >500, Deduct</i>	-5.98	
<i>For Work In Restricted Working Space, Add</i>	2.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0193 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	43.97	
For >50 To 100, Deduct	-1.37	
For >100 To 250, Deduct	-2.73	
For >250 To 500, Deduct	-4.63	
For >500, Deduct	-6.54	
For Work In Restricted Working Space, Add	3.21	
26 05 29 00-0194 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	61.44	
For >50 To 100, Deduct	-1.84	
For >100 To 250, Deduct	-3.69	
For >250 To 500, Deduct	-6.15	
For >500, Deduct	-8.61	
For Work In Restricted Working Space, Add	3.70	
26 05 29 00-0195 Between Studs Box Brackets (26 05 29 00-0078)		
26 05 29 00-0196 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.25	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.02	
For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0197 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.21	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.12	
For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0198 Hangers And Brackets (26 05 29 00-0078)		
26 05 29 00-0199 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.00	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.53	
26 05 29 00-0200 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	1.95	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.52	
26 05 29 00-0201 EA Offset Bracket Only With 1/4" Hole (Caddy AO)	1.95	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.52	
26 05 29 00-0202 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.53	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
26 05 29 00-0203 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.54	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.58	
26 05 29 00-0204 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.47	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
26 05 29 00-0205 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.53	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
26 05 29 00-0206 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.54	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.58	
26 05 29 00-0207 Clips And Accessories (26 05 29 00-0078)		
26 05 29 00-0208 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.35	
For >50 To 100, Deduct	-0.06	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.34	
26 05 29 00-0209 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.37	
For >50 To 100, Deduct	-0.06	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0210 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	1.46	
<i>For >50 To 100, Deduct</i>	-0.06	
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500, Deduct</i>	-0.35	
26 05 29 00-0211 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	1.64	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.13	
<i>For >250 To 500, Deduct</i>	-0.25	
<i>For >500, Deduct</i>	-0.37	
26 05 29 00-0212 Wire Ties <small>(26 05 29 00-0078)</small>		
Note: Per hundred (C).		
26 05 29 00-0213 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.34	
<i>For UV Black, Add</i>	0.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0214 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.45	
<i>For UV Black, Add</i>	0.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0215 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.52	
<i>For UV Black, Add</i>	0.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0216 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.55	
<i>For UV Black, Add</i>	0.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0217 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.96	
<i>For UV Black, Add</i>	0.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0218 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	14.69	
<i>For UV Black, Add</i>	0.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0219 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	14.30	
<i>For UV Black, Add</i>	0.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0220 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	14.72	
<i>For UV Black, Add</i>	0.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0221 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	15.15	
<i>For UV Black, Add</i>	0.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0222 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	23.45	
<i>For UV Black, Add</i>	2.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0223 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	24.66	
<i>For UV Black, Add</i>	2.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0224 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	16.00	
<i>For UV Black, Add</i>	1.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0225 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	14.93	
<i>For UV Black, Add</i>	0.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0226 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	23.79	
<i>For UV Black, Add</i>	2.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0227 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	27.56	
<i>For UV Black, Add</i>	2.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 29 00-0228 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	27.43	
<i>For UV Black, Add</i>	2.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0229 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	30.09	
<i>For UV Black, Add</i>	3.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0230 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	37.03	
<i>For UV Black, Add</i>	3.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 29 00-0231 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	54.54	
<i>For UV Black, Add</i>	6.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 29 00-0232 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	52.70	
<i>For UV Black, Add</i>	6.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 29 00-0233 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	65.00	
<i>For UV Black, Add</i>	7.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.59	
26 05 29 00-0234 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	75.77	
<i>For UV Black, Add</i>	9.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 29 00-0235 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	105.38	
<i>For UV Black, Add</i>	13.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 29 00-0236 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	27.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0237 C 1.1" x 1.1" Tie Mounts With Screw.....	53.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.44	
26 05 29 00-0238 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie	1.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0239 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0240 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie	1.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0241 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie	2.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0242 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	52.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	
26 05 29 00-0243 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0244 Toggle Bolts <small>(26 05 29 00-0243)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0245 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	6.32	
For >50 To 100, Deduct	-0.61	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-3.04	
26 05 29 00-0246 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.49	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.18	
For >500, Deduct	-3.12	
26 05 29 00-0247 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	6.81	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-3.21	
26 05 29 00-0248 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.98	
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-3.29	
26 05 29 00-0249 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.14	
For >50 To 100, Deduct	-0.68	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-3.36	
26 05 29 00-0250 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.93	
For >50 To 100, Deduct	-0.71	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-3.50	
26 05 29 00-0251 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.23	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.59	
26 05 29 00-0252 Machine Screws <small>(26 05 29 00-0243)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0253 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.87	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.92	
26 05 29 00-0254 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.90	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.92	
26 05 29 00-0255 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.38	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.15	
26 05 29 00-0256 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.47	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.82	
For >500, Deduct	-1.16	
26 05 29 00-0257 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.03	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.98	
For >500, Deduct	-1.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0258 Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0243)</small>		
<i>Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.</i>		
26 05 29 00-0259 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.93	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0260 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.90	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0261 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.01	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.50	
26 05 29 00-0262 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.05	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.73	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.78	
26 05 29 00-0263 Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0243)</small>		
<i>Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.</i>		
26 05 29 00-0264 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.20	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0265 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.23	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0266 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.63	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0267 Hollow Wall Screw Anchors <small>(26 05 29 00-0243)</small>		
26 05 29 00-0268 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.30	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0269 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.33	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0270 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.39	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0271 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.74	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0272 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.81	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0273 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.83	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0274 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.85	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0275 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.95	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.70	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0276	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.99	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0277			Lead Screw Anchors (26 05 29 00-0243) Note: Includes screw.		
26 05 29 00-0278	EA		#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.09	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.43	
26 05 29 00-0279	EA		#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	3.65	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.67	
26 05 29 00-0280	EA		#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	4.88	
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-2.14	
26 05 29 00-0281			Acoustical T-Bar Clips (26 05 29 00-0243) Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0282	EA		1/2" Conduit, Push-In Acoustical T-Bar Clip.....	4.75	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.88	
26 05 29 00-0283	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip.....	4.99	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.98	
26 05 29 00-0284	EA		1" Conduit, Push-In Acoustical T-Bar Clip.....	5.40	
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-2.10	
26 05 29 00-0285			Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0286			Threaded Rod And Rod Accessories (26 05 29 00-0285)		
26 05 29 00-0287			Carbon Steel Threaded Rod (26 05 29 00-0286) Note: Includes plain finish.		
26 05 29 00-0288	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.48	0.52
			<i>For Galvanized, Add</i>	0.58	
			<i>For Zinc Coated, Add</i>	0.41	
26 05 29 00-0289	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.40	0.55
			<i>For Galvanized, Add</i>	0.92	
			<i>For Zinc Coated, Add</i>	0.66	
26 05 29 00-0290	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.71	0.57
			<i>For Galvanized, Add</i>	1.43	
			<i>For Zinc Coated, Add</i>	1.02	
26 05 29 00-0291	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.66	0.58
			<i>For Galvanized, Add</i>	2.60	
			<i>For Zinc Coated, Add</i>	1.85	
26 05 29 00-0292	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.35	0.60
			<i>For Galvanized, Add</i>	2.86	
			<i>For Zinc Coated, Add</i>	2.03	
26 05 29 00-0293	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.41	0.68
			<i>For Galvanized, Add</i>	4.01	
			<i>For Zinc Coated, Add</i>	2.86	
26 05 29 00-0294	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.18	0.76
			<i>For Galvanized, Add</i>	5.06	
			<i>For Zinc Coated, Add</i>	3.61	
26 05 29 00-0295			Threaded Rod Couplings (26 05 29 00-0286)		
26 05 29 00-0296	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	6.37	
26 05 29 00-0297	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	7.20	
26 05 29 00-0298	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	8.84	
26 05 29 00-0299	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	10.58	
26 05 29 00-0300	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	14.88	
26 05 29 00-0301	EA		1" Diameter, Threaded Rod Coupling Nut.....	17.63	
26 05 29 00-0302	EA		1-1/8" Diameter, Threaded Rod Coupling Nut	32.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0303 Flat Washers <small>(26 05 29 00-0286)</small>		
26 05 29 00-0304 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	0.55 0.02	0.21
26 05 29 00-0305 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	0.68 0.04	0.21
26 05 29 00-0306 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	0.87 0.08	0.21
26 05 29 00-0307 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.04 0.12	0.41
26 05 29 00-0308 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.16 0.14	0.41
26 05 29 00-0309 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.36 0.17	0.41
26 05 29 00-0310 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.53 0.19	0.41
26 05 29 00-0311 Malleable Iron Eye Sockets <small>(26 05 29 00-0286)</small>		
<i>Note: Type 16.</i>		
26 05 29 00-0312 EA 3/8" Rod Size, Malleable Iron Eye Socket	7.00	
26 05 29 00-0313 EA 1/2" Rod Size, Malleable Iron Eye Socket	8.33	
26 05 29 00-0314 EA 5/8" Rod Size, Malleable Iron Eye Socket	14.26	
26 05 29 00-0315 EA 3/4" Rod Size, Malleable Iron Eye Socket	20.19	
26 05 29 00-0316 EA 7/8" Rod Size, Malleable Iron Eye Socket	21.54	
26 05 29 00-0317 Hex Nuts <small>(26 05 29 00-0286)</small>		
26 05 29 00-0318 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	0.53 0.02	0.21
26 05 29 00-0319 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	0.65 0.04	0.21
26 05 29 00-0320 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	0.87 0.08	0.21
26 05 29 00-0321 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.01 0.11	0.41
26 05 29 00-0322 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.42 0.21	0.41
26 05 29 00-0323 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.80 0.28	0.41
26 05 29 00-0324 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	2.88 0.53	0.41
26 05 29 00-0325 Forged Steel Turnbuckles <small>(26 05 29 00-0286)</small>		
<i>Note: Type 13.</i>		
26 05 29 00-0326 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	17.40	
26 05 29 00-0327 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	21.34	
26 05 29 00-0328 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	28.23	
26 05 29 00-0329 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	34.78	
26 05 29 00-0330 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	83.06	
26 05 29 00-0331 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	56.51	
26 05 29 00-0332 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	111.53	
26 05 29 00-0333 Welded Eye Rod <small>(26 05 29 00-0286)</small>		
26 05 29 00-0334 EA 3/8" Diameter, Welded Eye Rod	22.17	
26 05 29 00-0335 EA 1/2" Diameter, Welded Eye Rod	25.89	
26 05 29 00-0336 EA 5/8" Diameter, Welded Eye Rod	33.20	
26 05 29 00-0337 EA 3/4" Diameter, Welded Eye Rod	44.55	
26 05 29 00-0338 EA 7/8" Diameter, Welded Eye Rod	63.86	
26 05 29 00-0339 EA 1" Diameter, Welded Eye Rod	84.09	
26 05 29 00-0340 Welded Linked Eye Rods <small>(26 05 29 00-0286)</small>		
26 05 29 00-0341 EA 3/8" Diameter, Welded Linked Eye Rods	20.90	
26 05 29 00-0342 EA 1/2" Diameter, Welded Linked Eye Rods	23.98	
26 05 29 00-0343 EA 5/8" Diameter, Welded Linked Eye Rods	29.29	
26 05 29 00-0344 EA 3/4" Diameter, Welded Linked Eye Rods	38.27	
26 05 29 00-0345 EA 7/8" Diameter, Welded Linked Eye Rods	48.84	
26 05 29 00-0346 EA 1" Diameter, Welded Linked Eye Rods	69.69	
26 05 29 00-0347 Attachments <small>(26 05 29 00-0285)</small>		
26 05 29 00-0348 Welded Beam Attachments <small>(26 05 29 00-0347)</small>		
<i>Note: Type 22.</i>		
26 05 29 00-0349 EA 3/8" Rod Size, Welded Beam Attachment	32.18	8.22
26 05 29 00-0350 EA 1/2" Rod Size, Welded Beam Attachment	34.27	8.63
26 05 29 00-0351 EA 5/8" Rod Size, Welded Beam Attachment	36.46	9.13
26 05 29 00-0352 EA 3/4" Rod Size, Welded Beam Attachment	45.68	9.70
26 05 29 00-0353 EA 7/8" Rod Size, Welded Beam Attachment	54.27	10.27

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0354 EA 1" Rod Size, Welded Beam Attachment.....	74.95	11.76
26 05 29 00-0355 EA 1-1/8" Rod Size, Welded Beam Attachment	104.35	12.34
26 05 29 00-0356 C-Clamp Style Beam Clamps (26 05 29 00-0347)		
Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0357 EA 3/8" Rod Size, C-Clamp Style Beam Clamp	12.21	6.17
26 05 29 00-0358 EA 1/2" Rod Size, C-Clamp Style Beam Clamp	14.31	6.59
26 05 29 00-0359 EA 5/8" Rod Size, C-Clamp Style Beam Clamp	16.10	7.06
26 05 29 00-0360 EA 3/4" Rod Size, C-Clamp Style Beam Clamp	20.18	7.60
26 05 29 00-0361 EA 7/8" Rod Size, C-Clamp Style Beam Clamp	28.32	8.23
26 05 29 00-0362 Bottom Mount I-Beam Clamps (26 05 29 00-0347)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0363 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	30.61	8.23
26 05 29 00-0364 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	43.92	8.99
26 05 29 00-0365 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	61.73	9.88
26 05 29 00-0366 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	73.59	10.98
26 05 29 00-0367 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	173.25	12.36
26 05 29 00-0368 Steel U-Bolts (26 05 29 00-0347)		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0369 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	9.92	4.94
26 05 29 00-0370 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	10.72	5.20
26 05 29 00-0371 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt.....	11.50	5.49
26 05 29 00-0372 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	12.92	5.81
26 05 29 00-0373 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	13.40	6.17
26 05 29 00-0374 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt.....	14.34	6.59
26 05 29 00-0375 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	19.81	7.06
26 05 29 00-0376 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt.....	21.78	7.60
26 05 29 00-0377 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt.....	25.97	8.23
26 05 29 00-0378 Stainless Steel Threaded Rod (26 05 29 00-0285)		
26 05 29 00-0379 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	1.95	0.41
For 316 Stainless Steel, Add	0.46	
26 05 29 00-0380 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	2.84	0.45
For 316 Stainless Steel, Add	0.79	
26 05 29 00-0381 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.61	0.52
For 316 Stainless Steel, Add	1.04	
26 05 29 00-0382 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.90	0.53
For 316 Stainless Steel, Add	1.56	
26 05 29 00-0383 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.83	0.55
For 316 Stainless Steel, Add	1.92	
26 05 29 00-0384 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.57	0.56
For 316 Stainless Steel, Add	3.02	
26 05 29 00-0385 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	11.87	0.57
For 316 Stainless Steel, Add	4.35	
26 05 29 00-0386 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	16.21	0.58
For 316 Stainless Steel, Add	6.10	
26 05 29 00-0387 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.81	0.68
For 316 Stainless Steel, Add	7.87	
26 05 29 00-0388 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	43.67	0.82
For 316 Stainless Steel, Add	16.99	
26 05 29 00-0389 Polyvinyl Chloride (PVC) Coated Supports (26 05 29)		
Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0390 Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0389)		
26 05 29 00-0391 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0390)		
26 05 29 00-0392 EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	40.14	16.45
26 05 29 00-0393 EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	43.65	17.92
26 05 29 00-0394 EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	46.81	19.73
26 05 29 00-0395 EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.46	21.95
26 05 29 00-0396 EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.81	24.67
26 05 29 00-0397 EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.41	27.13
26 05 29 00-0398 EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.43	29.60
26 05 29 00-0399 EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.57	32.07
26 05 29 00-0400 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	95.91	34.54
26 05 29 00-0401 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	103.54	37.00
26 05 29 00-0402 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0390)		
26 05 29 00-0403 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.60	16.45
26 05 29 00-0404 EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.32	17.92
26 05 29 00-0405 EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.80	19.73
26 05 29 00-0406 EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.23	21.95
26 05 29 00-0407 EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	64.50	24.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0408 EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.22	27.13
26 05 29 00-0409 EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	84.65	29.60
26 05 29 00-0410 EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.52	32.07
26 05 29 00-0411 EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.62	34.54
26 05 29 00-0412 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	104.04	37.00
26 05 29 00-0413 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0390)		
26 05 29 00-0414 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	40.53	16.28
26 05 29 00-0415 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	43.68	17.76
26 05 29 00-0416 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	49.31	19.73
26 05 29 00-0417 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.29	21.71
26 05 29 00-0418 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.21	24.67
26 05 29 00-0419 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.30	27.13
26 05 29 00-0420 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0389)		
26 05 29 00-0421 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0420)		
26 05 29 00-0422 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.32	0.49
26 05 29 00-0423 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.67	0.49
26 05 29 00-0424 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	6.78	0.49
26 05 29 00-0425 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.20	0.49
26 05 29 00-0426 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.73	0.49
26 05 29 00-0427 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.01	0.49
26 05 29 00-0428 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.26	0.49
26 05 29 00-0429 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.42	0.49
26 05 29 00-0430 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	50.14	0.49
26 05 29 00-0431 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	53.27	0.49
26 05 29 00-0432 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0420)		
26 05 29 00-0433 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.52	0.98
26 05 29 00-0434 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.56	0.98
26 05 29 00-0435 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.77	0.98
26 05 29 00-0436 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.93	0.98
26 05 29 00-0437 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	11.23	0.98
26 05 29 00-0438 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.83	0.98
26 05 29 00-0439 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.37	0.98
26 05 29 00-0440 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.01	0.98
26 05 29 00-0441 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.01	0.98
26 05 29 00-0442 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.33	0.98
26 05 29 00-0443 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0389)		
26 05 29 00-0444 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0443)		
26 05 29 00-0445 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	7.76	0.98
26 05 29 00-0446 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	8.97	0.98
26 05 29 00-0447 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	11.18	0.98
26 05 29 00-0448 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	13.01	0.98
26 05 29 00-0449 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	17.30	0.98
26 05 29 00-0450 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	29.98	0.98
26 05 29 00-0451 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	41.91	0.98
26 05 29 00-0452 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	57.10	0.98
26 05 29 00-0453 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	99.65	0.98
26 05 29 00-0454 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	99.65	0.98
26 05 29 00-0455 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0389)		
26 05 29 00-0456 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0455)		
26 05 29 00-0457 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	5.33	0.66
26 05 29 00-0458 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	6.54	0.74
26 05 29 00-0459 Attachments (26 05 29 00-0389)		
26 05 29 00-0460 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0459)		
26 05 29 00-0461 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	11.87	4.94
26 05 29 00-0462 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.31	5.19
26 05 29 00-0463 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.98	5.52
26 05 29 00-0464 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	13.79	5.84
26 05 29 00-0465 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	14.68	6.17
26 05 29 00-0466 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.36	6.59
26 05 29 00-0467 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.64	7.09
26 05 29 00-0468 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.82	7.58
26 05 29 00-0469 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	25.44	8.23
26 05 29 00-0470 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	39.88	9.39
26 05 29 00-0471 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	49.12	10.87

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0472		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps <small>(26 05 29 00-0459)</small>	
26 05 29 00-0473	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	40.89 16.28
26 05 29 00-0474	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	46.75 16.28
26 05 29 00-0475	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	49.16 16.28
26 05 29 00-0476	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	53.96 17.27
26 05 29 00-0477	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	62.99 19.73

26 05 29 00-0478		Polyvinyl Chloride (PVC) Coated Pipe Straps <small>(26 05 29 00-0459)</small>	
Note: Includes stainless steel nuts and bolts.			
26 05 29 00-0479	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	14.72 5.42
26 05 29 00-0480	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	15.55 5.92
26 05 29 00-0481	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.94 6.41
26 05 29 00-0482	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	19.13 7.40
26 05 29 00-0483	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	21.86 8.39
26 05 29 00-0484	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.15 8.88
26 05 29 00-0485	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	26.72 9.86
26 05 29 00-0486	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	31.46 10.85
26 05 29 00-0487	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.22 11.35
26 05 29 00-0488	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	36.10 12.34
26 05 29 00-0489	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	38.79 13.81

26 05 29 00-0490		Polyvinyl Chloride (PVC) Coated Channel <small>(26 05 29 00-0389)</small>	
26 05 29 00-0491	LF	Polyvinyl Chloride (PVC) Coated Channel, A12	14.15 2.47
26 05 29 00-0492	LF	Polyvinyl Chloride (PVC) Coated Channel, A12A	24.72 3.46
26 05 29 00-0493	LF	Polyvinyl Chloride (PVC) Coated Channel, A12P	15.04 2.47
26 05 29 00-0494	LF	Polyvinyl Chloride (PVC) Coated Channel, C14	11.38 2.47
26 05 29 00-0495	LF	Polyvinyl Chloride (PVC) Coated Channel, C14P	11.94 2.47

26 05 29 00-0496		Polymer Concrete Pads <small>(26 05 29)</small>	
Note: Excludes excavation and backfill.			

26 05 29 00-0497		Polymer Concrete, Box Pads <small>(26 05 29 00-0496)</small>	
26 05 29 00-0498	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	718.66 88.86
26 05 29 00-0499	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	741.01 88.86
26 05 29 00-0500	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	946.41 88.86
26 05 29 00-0501	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	980.47 88.86
26 05 29 00-0502	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	914.71 88.86
26 05 29 00-0503	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	1,075.54 88.86
26 05 29 00-0504	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	1,198.86 88.86
26 05 29 00-0505	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	1,162.65 111.07
26 05 29 00-0506	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	1,738.85 111.07
26 05 29 00-0507	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	2,317.90 111.07

26 05 29 00-0508		Polymer Concrete, Telecommunications Equipment Pads <small>(26 05 29 00-0496)</small>	
26 05 29 00-0509	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	352.59 49.85
26 05 29 00-0510	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	413.65 49.85
26 05 29 00-0511	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	533.59 66.64
26 05 29 00-0512	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	556.28 66.64
26 05 29 00-0513	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	787.31 66.64
26 05 29 00-0514	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	819.41 66.64
26 05 29 00-0515	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	879.24 66.64
26 05 29 00-0516	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	879.24 66.64
26 05 29 00-0517	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,630.87 66.64
26 05 29 00-0518	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,845.34 66.64

26 05 29 00-0519		Polymer Concrete, Electrical Equipment Pads <small>(26 05 29 00-0496)</small>	
26 05 29 00-0520	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	223.26 49.85
26 05 29 00-0521	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	238.96 49.85
26 05 29 00-0522	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	253.26 49.85
26 05 29 00-0523	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	300.76 49.85
26 05 29 00-0524	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	279.56 49.85
26 05 29 00-0525	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	289.55 49.85
26 05 29 00-0526	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	315.44 49.85
26 05 29 00-0527	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	330.55 49.85
26 05 29 00-0528	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	380.99 49.85
26 05 29 00-0529	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	464.09 49.85
26 05 29 00-0530	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	676.01 66.64
26 05 29 00-0531	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	706.38 66.64
26 05 29 00-0532	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	715.96 66.64
26 05 29 00-0533	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	779.80 66.64
26 05 29 00-0534	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,633.76 66.64
26 05 29 00-0535	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,919.79 66.64

26 05 33 Raceway And Boxes For Electrical Systems (26 05)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13 Conduit For Electrical Systems (26 05 33)						
26 05 33	13-0001			Conduit Assemblies (26 05 33 13) Note: With fittings and wire.		
26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)						
26 05 33	13-0003	CLF		1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	548.79	247.39
				<i>For Work In Restricted Working Space, Add</i>	148.43	
26 05 33	13-0004	CLF		1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	601.32	270.32
				<i>For Work In Restricted Working Space, Add</i>	162.18	
26 05 33	13-0005	CLF		1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	583.07	258.74
				<i>For Work In Restricted Working Space, Add</i>	155.23	
26 05 33	13-0006	CLF		1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	647.67	285.73
				<i>For Work In Restricted Working Space, Add</i>	171.44	
26 05 33	13-0007	CLF		3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	632.76	282.04
				<i>For Work In Restricted Working Space, Add</i>	169.23	
26 05 33	13-0008	CLF		3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	686.16	305.12
				<i>For Work In Restricted Working Space, Add</i>	183.08	
26 05 33	13-0009	CLF		3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	738.58	327.97
				<i>For Work In Restricted Working Space, Add</i>	196.80	
26 05 33	13-0010	CLF		3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	791.31	350.98
				<i>For Work In Restricted Working Space, Add</i>	210.60	
26 05 33	13-0011	CLF		3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	667.56	293.40
				<i>For Work In Restricted Working Space, Add</i>	176.03	
26 05 33	13-0012	CLF		3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	731.77	320.23
				<i>For Work In Restricted Working Space, Add</i>	192.12	
26 05 33	13-0013	CLF		3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	795.62	346.84
				<i>For Work In Restricted Working Space, Add</i>	208.10	
26 05 33	13-0014	CLF		3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	859.44	373.46
				<i>For Work In Restricted Working Space, Add</i>	224.07	
26 05 33	13-0015	CLF		1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	779.54	340.08
				<i>For Work In Restricted Working Space, Add</i>	204.06	
26 05 33	13-0016	CLF		1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	831.32	362.63
				<i>For Work In Restricted Working Space, Add</i>	217.58	
26 05 33	13-0017	CLF		1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	877.65	385.63
				<i>For Work In Restricted Working Space, Add</i>	231.48	
26 05 33	13-0018	CLF		1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	936.04	408.63
				<i>For Work In Restricted Working Space, Add</i>	244.97	
26 05 33	13-0019	CLF		1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	812.98	350.98
				<i>For Work In Restricted Working Space, Add</i>	210.60	
26 05 33	13-0020	CLF		1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	876.51	377.51
				<i>For Work In Restricted Working Space, Add</i>	226.49	
26 05 33	13-0021	CLF		1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	941.15	404.58
				<i>For Work In Restricted Working Space, Add</i>	242.70	
26 05 33	13-0022	CLF		1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,006.65	430.96
				<i>For Work In Restricted Working Space, Add</i>	258.84	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0023			Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, terminations, straps, wire as indicated. Per CLF.		
26 05 33 13-0024	CLF		1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....658.54 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 165.76	276.26	
26 05 33 13-0025	CLF		1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....711.53 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 179.64	299.41	
26 05 33 13-0026	CLF		1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....692.85 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 172.56	287.60	
26 05 33 13-0027	CLF		1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....756.00 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 188.33	313.91	
26 05 33 13-0028	CLF		3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....751.64 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 187.66	312.79	
26 05 33 13-0029	CLF		3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....925.34 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 237.76	396.31	
26 05 33 13-0030	CLF		3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....855.88 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 214.91	358.20	
26 05 33 13-0031	CLF		3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....785.22 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 194.25	323.99	
26 05 33 13-0032	CLF		3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....848.90 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 210.18	350.68	
26 05 33 13-0033	CLF		3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....913.84 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 226.49	377.29	
26 05 33 13-0034	CLF		1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....962.21 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 235.10	391.64	
26 05 33 13-0035	CLF		1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....1,013.38 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 248.44	414.57	
26 05 33 13-0036	CLF		1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly.....1,067.71 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 262.73	437.42	
26 05 33 13-0037	CLF		1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....1,006.80 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 243.83	406.68	
26 05 33 13-0038	CLF		1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....1,071.69 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 260.12	433.29	
26 05 33 13-0039	CLF		1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly.....1,134.61 Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 275.83	459.97	
26 05 33 13-0040			Conduit <small>(26 05 33 13)</small> Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0041			Conduit Installed Above Grade <small>(26 05 33 13-0040)</small> See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042			Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043			Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0042)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044	LF		1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....5.61 <i>For >250 To 500, Deduct</i> -0.07 <i>For >500 To 1,000, Deduct</i> -0.32 <i>For >1,000, Deduct</i> -0.46 <i>For Installation In Metal Stud Wall, Add</i> 0.41 <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> 1.03 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.62 <i>For Work In Restricted Working Space, Add</i> 1.24 <i>For Installation Above 14', Add</i> 0.62	1.65	
26 05 33 13-0045	LF		3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....6.34 <i>For >250 To 500, Deduct</i> -0.09 <i>For >500 To 1,000, Deduct</i> -0.36 <i>For >1,000, Deduct</i> -0.52 <i>For Installation In Metal Stud Wall, Add</i> 0.45 <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> 1.13 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.68 <i>For Work In Restricted Working Space, Add</i> 1.35 <i>For Installation Above 14', Add</i> 0.68	1.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0046 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.09	2.11
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.68	
For Installation In Metal Stud Wall, Add	0.53	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0047 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.79	2.41
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.58	
For >1,000, Deduct	-0.83	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.90	
26 05 33 13-0048 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.38	2.71
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.68	
For >1,000, Deduct	-0.97	
For Installation In Metal Stud Wall, Add	0.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
For Work In Restricted Working Space, Add	2.03	
For Installation Above 14', Add	1.02	
26 05 33 13-0049 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.44	3.31
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.88	
For >1,000, Deduct	-1.24	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
For Installation Above 14', Add	1.24	
26 05 33 13-0050 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	21.51	4.51
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-1.33	
For >1,000, Deduct	-1.87	
For Installation In Metal Stud Wall, Add	1.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
26 05 33 13-0051 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	28.05	6.02
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.73	
For >1,000, Deduct	-2.43	
For Installation In Metal Stud Wall, Add	1.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.76	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.26	
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	34.67	7.52
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-2.13	
For >1,000, Deduct	-3.00	
For Installation In Metal Stud Wall, Add	1.88	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.82	
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	41.02	9.02
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-2.51	
For >1,000, Deduct	-3.54	
For Installation In Metal Stud Wall, Add	2.26	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.38	
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
26 05 33 13-0054 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	66.00	11.43
For >250 To 500, Deduct	-1.87	
For >500 To 1,000, Deduct	-4.24	
For >1,000, Deduct	-5.89	
For Installation In Metal Stud Wall, Add	2.86	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.28	
For Work In Restricted Working Space, Add	8.57	
For Installation Above 14', Add	4.28	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0055	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	88.71	14.44
			<i>For >250 To 500, Deduct</i>	-2.63	
			<i>For >500 To 1,000, Deduct</i>	-5.75	
			<i>For >1,000, Deduct</i>	-7.97	
			<i>For Installation In Metal Stud Wall, Add</i>	3.61	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	9.02	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.41	
			<i>For Work In Restricted Working Space, Add</i>	10.82	
			<i>For Installation Above 14', Add</i>	5.41	
26 05 33	13-0056		Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
			See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33	13-0057	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	22.57	7.44
			<i>For Work In Restricted Working Space, Add</i>	5.60	
			<i>For Installation Above 14', Add</i>	2.80	
26 05 33	13-0058	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	28.35	9.24
			<i>For Work In Restricted Working Space, Add</i>	6.96	
			<i>For Installation Above 14', Add</i>	3.48	
26 05 33	13-0059	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	36.21	11.35
			<i>For Work In Restricted Working Space, Add</i>	8.49	
			<i>For Installation Above 14', Add</i>	4.24	
26 05 33	13-0060	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	46.42	13.15
			<i>For Work In Restricted Working Space, Add</i>	9.86	
			<i>For Installation Above 14', Add</i>	4.93	
26 05 33	13-0061	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	53.88	15.11
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Installation Above 14', Add</i>	5.66	
26 05 33	13-0062	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	63.70	16.61
			<i>For Work In Restricted Working Space, Add</i>	12.45	
			<i>For Installation Above 14', Add</i>	6.22	
26 05 33	13-0063	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	91.44	20.74
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
26 05 33	13-0064	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	129.58	28.26
			<i>For Work In Restricted Working Space, Add</i>	21.20	
			<i>For Installation Above 14', Add</i>	10.60	
26 05 33	13-0065	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	171.83	31.87
			<i>For Work In Restricted Working Space, Add</i>	23.91	
			<i>For Installation Above 14', Add</i>	11.96	
26 05 33	13-0066	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	209.89	41.50
			<i>For Work In Restricted Working Space, Add</i>	31.12	
			<i>For Installation Above 14', Add</i>	15.56	
26 05 33	13-0067	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	343.35	67.66
			<i>For Work In Restricted Working Space, Add</i>	50.75	
			<i>For Installation Above 14', Add</i>	25.37	
26 05 33	13-0068	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	516.18	101.63
			<i>For Work In Restricted Working Space, Add</i>	76.22	
			<i>For Installation Above 14', Add</i>	38.11	
26 05 33	13-0069		Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
			See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33	13-0070	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	22.57	7.44
			<i>For Work In Restricted Working Space, Add</i>	5.60	
			<i>For Installation Above 14', Add</i>	2.80	
26 05 33	13-0071	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	28.35	9.24
			<i>For Work In Restricted Working Space, Add</i>	6.96	
			<i>For Installation Above 14', Add</i>	3.48	
26 05 33	13-0072	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	36.21	11.35
			<i>For Work In Restricted Working Space, Add</i>	8.49	
			<i>For Installation Above 14', Add</i>	4.24	
26 05 33	13-0073	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	46.42	13.15
			<i>For Work In Restricted Working Space, Add</i>	9.86	
			<i>For Installation Above 14', Add</i>	4.93	
26 05 33	13-0074	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	53.88	15.11
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Installation Above 14', Add</i>	5.66	
26 05 33	13-0075	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	63.70	16.61
			<i>For Work In Restricted Working Space, Add</i>	12.45	
			<i>For Installation Above 14', Add</i>	6.22	
26 05 33	13-0076	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	89.83	20.74
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
26 05 33	13-0077	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	123.32	28.26
			<i>For Work In Restricted Working Space, Add</i>	21.20	
			<i>For Installation Above 14', Add</i>	10.60	
26 05 33	13-0078	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	163.02	31.87
			<i>For Work In Restricted Working Space, Add</i>	23.91	
			<i>For Installation Above 14', Add</i>	11.96	
26 05 33	13-0079	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	198.18	41.50
			<i>For Work In Restricted Working Space, Add</i>	31.12	
			<i>For Installation Above 14', Add</i>	15.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	343.35 50.75 25.37	67.66
26 05 33 13-0081 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	516.18 76.22 38.11	101.63
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-0083 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	56.01 11.14 5.57	18.57
26 05 33 13-0084 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	64.53 12.90 6.45	21.50
26 05 33 13-0085 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	74.67 14.66 7.33	24.43
26 05 33 13-0086 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.14 16.13 8.06	26.87
26 05 33 13-0087 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-0088 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	60.90 11.14 5.57	18.57
26 05 33 13-0089 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.82 12.90 6.45	21.50
26 05 33 13-0090 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	77.53 14.66 7.33	24.43
26 05 33 13-0091 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	87.35 16.13 8.06	26.87
26 05 33 13-0092 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	116.18 20.23 10.11	33.72
26 05 33 13-0093 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	156.34 27.56 13.78	45.93
26 05 33 13-0094 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-0095 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.13 11.14 5.57	18.57
26 05 33 13-0096 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.20 12.90 6.45	21.50
26 05 33 13-0097 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	80.63 14.66 7.33	24.43
26 05 33 13-0098 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.28 16.13 8.06	26.87
26 05 33 13-0099 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	122.63 20.23 10.11	33.72
26 05 33 13-0100 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	161.55 27.56 13.78	45.93
26 05 33 13-0101 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	202.10 31.08 15.54	51.79
26 05 33 13-0102 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	244.93 40.46 20.23	67.42
26 05 33 13-0103 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-0104 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	68.93 11.14 5.57	18.57
26 05 33 13-0105 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	77.86 12.90 6.45	21.50
26 05 33 13-0106 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	86.36 14.66 7.33	24.43

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0107	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	102.73 16.13 8.06	26.87
26 05 33	13-0108	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	134.16 20.23 10.11	33.72
26 05 33	13-0109	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	179.62 27.56 13.78	45.93
26 05 33	13-0110	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	219.67 31.08 15.54	51.79
26 05 33	13-0111	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	258.94 40.46 20.23	67.42
26 05 33	13-0112		Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33	13-0113	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	68.46 11.14 5.57	18.57
26 05 33	13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	83.55 12.90 6.45	21.50
26 05 33	13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	92.52 14.66 7.33	24.43
26 05 33	13-0116	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	110.78 16.13 8.06	26.87
26 05 33	13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	145.22 20.23 10.11	33.72
26 05 33	13-0118	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	193.89 27.56 13.78	45.93
26 05 33	13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	237.03 31.08 15.54	51.79
26 05 33	13-0120	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	284.64 40.46 20.23	67.42
26 05 33	13-0121	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	412.26 65.96 32.98	109.93
26 05 33	13-0122		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33	13-0123	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	72.63 11.14 5.57	18.57
26 05 33	13-0124	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	86.35 12.90 6.45	21.50
26 05 33	13-0125	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	103.32 14.66 7.33	24.43
26 05 33	13-0126	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	117.07 16.13 8.06	26.87
26 05 33	13-0127	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	158.33 20.23 10.11	33.72
26 05 33	13-0128	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	206.09 27.56 13.78	45.93
26 05 33	13-0129	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	259.46 31.08 15.54	51.79
26 05 33	13-0130	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	296.73 40.46 20.23	67.42
26 05 33	13-0131	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	510.92 65.96 32.98	109.93
26 05 33	13-0132	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add For Installation Above 14', Add</i>	650.06 99.09 49.55	165.15
26 05 33	13-0133		Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0134 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	78.73	18.57
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Installation Above 14', Add</i>	5.57	
26 05 33 13-0135 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	93.80	21.50
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Installation Above 14', Add</i>	6.45	
26 05 33 13-0136 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	111.24	24.43
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	
26 05 33 13-0137 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	125.35	26.87
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Installation Above 14', Add</i>	8.06	
26 05 33 13-0138 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	168.37	33.72
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Installation Above 14', Add</i>	10.11	
26 05 33 13-0139 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	223.97	45.93
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Installation Above 14', Add</i>	13.78	
26 05 33 13-0140 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	277.39	51.79
<i>For Work In Restricted Working Space, Add</i>	31.08	
<i>For Installation Above 14', Add</i>	15.54	
26 05 33 13-0141 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	348.33	67.42
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Installation Above 14', Add</i>	20.23	
26 05 33 13-0142 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	582.10	109.93
<i>For Work In Restricted Working Space, Add</i>	65.96	
<i>For Installation Above 14', Add</i>	32.98	
26 05 33 13-0143 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	711.69	165.15
<i>For Work In Restricted Working Space, Add</i>	99.09	
<i>For Installation Above 14', Add</i>	49.55	
26 05 33 13-0144 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
<i>See CSI section 26 05 33 13-2307 for conduit field bending.</i>		
26 05 33 13-0145 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	83.81	18.57
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Installation Above 14', Add</i>	5.57	
26 05 33 13-0146 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	99.55	21.50
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Installation Above 14', Add</i>	6.45	
26 05 33 13-0147 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	116.25	24.43
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	
26 05 33 13-0148 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	140.83	26.87
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Installation Above 14', Add</i>	8.06	
26 05 33 13-0149 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	186.87	33.72
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Installation Above 14', Add</i>	10.11	
26 05 33 13-0150 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	241.99	45.93
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Installation Above 14', Add</i>	13.78	
26 05 33 13-0151 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	299.93	51.79
<i>For Work In Restricted Working Space, Add</i>	31.08	
<i>For Installation Above 14', Add</i>	15.54	
26 05 33 13-0152 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	375.71	67.42
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Installation Above 14', Add</i>	20.23	
26 05 33 13-0153 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	604.38	109.93
<i>For Work In Restricted Working Space, Add</i>	65.96	
<i>For Installation Above 14', Add</i>	32.98	
26 05 33 13-0154 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	724.16	165.15
<i>For Work In Restricted Working Space, Add</i>	99.09	
<i>For Installation Above 14', Add</i>	49.55	
26 05 33 13-0155 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0156 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	9.85	4.79
<i>For Work In Restricted Working Space, Add</i>	2.87	
<i>For Installation Above 14', Add</i>	1.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.87	
26 05 33 13-0157 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	10.59	5.11
<i>For Work In Restricted Working Space, Add</i>	3.07	
<i>For Installation Above 14', Add</i>	1.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-0158 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	12.05	5.75
<i>For Work In Restricted Working Space, Add</i>	3.45	
<i>For Installation Above 14', Add</i>	1.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.45	
26 05 33 13-0159 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	13.58	6.39
<i>For Work In Restricted Working Space, Add</i>	3.83	
<i>For Installation Above 14', Add</i>	1.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0160	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.06	7.99
			<i>For Work In Restricted Working Space, Add</i>	4.79	
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33	13-0161	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	21.19	9.58
			<i>For Work In Restricted Working Space, Add</i>	5.75	
			<i>For Installation Above 14', Add</i>	2.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.75	
26 05 33	13-0162	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.84	11.18
			<i>For Work In Restricted Working Space, Add</i>	6.71	
			<i>For Installation Above 14', Add</i>	3.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	
26 05 33	13-0163	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	30.27	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33	13-0164	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	67.44	24.35
			<i>For Work In Restricted Working Space, Add</i>	18.27	
			<i>For Installation Above 14', Add</i>	9.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.27	
26 05 33	13-0165	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	39.16	15.97
			<i>For Work In Restricted Working Space, Add</i>	9.59	
			<i>For Installation Above 14', Add</i>	4.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.59	
26 05 33	13-0166	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	47.44	17.58
			<i>For Work In Restricted Working Space, Add</i>	10.54	
			<i>For Installation Above 14', Add</i>	5.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 05 33	13-0167	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	69.48	19.17
			<i>For Work In Restricted Working Space, Add</i>	11.50	
			<i>For Installation Above 14', Add</i>	5.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.50	
26 05 33	13-0168		Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0042)		
26 05 33	13-0169	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	11.96	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33	13-0170	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	13.03	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Installation Above 14', Add</i>	1.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-0171	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	15.27	6.77
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Installation Above 14', Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33	13-0172	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	17.18	7.52
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33	13-0173	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	21.96	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0174	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	25.96	11.28
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-0175	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	37.01	13.15
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Installation Above 14', Add</i>	3.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33	13-0176	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	44.12	15.04
			<i>For Work In Restricted Working Space, Add</i>	9.02	
			<i>For Installation Above 14', Add</i>	4.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 33	13-0177	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	66.63	16.91
			<i>For Work In Restricted Working Space, Add</i>	10.15	
			<i>For Installation Above 14', Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 05 33	13-0178	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	90.79	18.79
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33	13-0179	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	122.04	20.67
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0180	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	181.30	22.55
			<i>For Work In Restricted Working Space, Add</i>	13.53	
			<i>For Installation Above 14', Add</i>	6.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0181 Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0182 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	12.77	5.63
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0183 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	14.24	6.02
For Work In Restricted Working Space, Add	3.61	
For Installation Above 14', Add	1.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-0184 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	16.80	6.77
For Work In Restricted Working Space, Add	4.06	
For Installation Above 14', Add	2.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-0185 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.77	7.52
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.51	
26 05 33 13-0186 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	24.65	9.39
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0187 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	30.74	11.28
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 33 13-0188 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	43.49	13.15
For Work In Restricted Working Space, Add	7.89	
For Installation Above 14', Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-0189 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	51.71	15.04
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.02	
26 05 33 13-0190 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	68.05	16.91
For Work In Restricted Working Space, Add	10.15	
For Installation Above 14', Add	5.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 05 33 13-0191 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	97.12	18.79
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.28	
26 05 33 13-0192 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	128.94	20.67
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-0193 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	183.73	22.55
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	
26 05 33 13-0194 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0195 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	19.55	6.77
For Work In Restricted Working Space, Add	4.06	
For Installation Above 14', Add	2.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-0196 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	21.90	7.52
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.51	
26 05 33 13-0197 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	25.09	8.27
For Work In Restricted Working Space, Add	4.96	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-0198 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	29.86	9.39
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0199 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	36.08	11.65
For Work In Restricted Working Space, Add	6.99	
For Installation Above 14', Add	3.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0200 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	45.57	13.91
For Work In Restricted Working Space, Add	8.34	
For Installation Above 14', Add	4.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.34	
26 05 33 13-0201 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	61.32	16.16
For Work In Restricted Working Space, Add	9.70	
For Installation Above 14', Add	4.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.70	
26 05 33 13-0202 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	67.51	18.79
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.28	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0203	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	76.37	21.04
			<i>For Work In Restricted Working Space, Add</i>	12.63	
			<i>For Installation Above 14', Add</i>	6.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 05 33	13-0204	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	99.06	23.30
			<i>For Work In Restricted Working Space, Add</i>	13.98	
			<i>For Installation Above 14', Add</i>	6.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.98	
26 05 33	13-0205	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	141.39	25.56
			<i>For Work In Restricted Working Space, Add</i>	15.33	
			<i>For Installation Above 14', Add</i>	7.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.33	
26 05 33	13-0206	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	195.55	28.19
			<i>For Work In Restricted Working Space, Add</i>	16.91	
			<i>For Installation Above 14', Add</i>	8.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.91	
26 05 33	13-0207		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0042)</small>		
26 05 33	13-0208	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	10.96	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.57	
			<i>For Installation Above 14', Add</i>	1.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 33	13-0209	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	13.23	3.98
			<i>For Work In Restricted Working Space, Add</i>	2.98	
			<i>For Installation Above 14', Add</i>	1.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.98	
26 05 33	13-0210	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	17.23	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.59	
			<i>For Installation Above 14', Add</i>	1.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.59	
26 05 33	13-0211	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	25.21	5.94
			<i>For Work In Restricted Working Space, Add</i>	4.47	
			<i>For Installation Above 14', Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33	13-0212	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	34.10	7.97
			<i>For Work In Restricted Working Space, Add</i>	5.98	
			<i>For Installation Above 14', Add</i>	2.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.98	
26 05 33	13-0213	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	57.64	11.95
			<i>For Work In Restricted Working Space, Add</i>	8.96	
			<i>For Installation Above 14', Add</i>	4.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.96	
26 05 33	13-0214	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	101.80	13.23
			<i>For Work In Restricted Working Space, Add</i>	9.92	
			<i>For Installation Above 14', Add</i>	4.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 05 33	13-0215	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	121.40	16.01
			<i>For Work In Restricted Working Space, Add</i>	12.02	
			<i>For Installation Above 14', Add</i>	6.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.02	
26 05 33	13-0216	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	163.75	20.07
			<i>For Work In Restricted Working Space, Add</i>	15.05	
			<i>For Installation Above 14', Add</i>	7.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05	
26 05 33	13-0217	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	191.97	24.05
			<i>For Work In Restricted Working Space, Add</i>	18.04	
			<i>For Installation Above 14', Add</i>	9.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33	13-0218	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	333.28	26.76
			<i>For Work In Restricted Working Space, Add</i>	20.05	
			<i>For Installation Above 14', Add</i>	10.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.05	
26 05 33	13-0219	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	397.71	30.07
			<i>For Work In Restricted Working Space, Add</i>	22.55	
			<i>For Installation Above 14', Add</i>	11.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33	13-0220		Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0042)</small>		
26 05 33	13-0221	EA	1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover.....	49.15	14.44
			<i>For Mogul LB, Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	10.82	
			<i>For Installation Above 14', Add</i>	5.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82	
26 05 33	13-0222	EA	3/4" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover.....	57.04	16.53
			<i>For Mogul LB, Add</i>	9.70	
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0223 EA 1" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	71.33	19.24
<i>For Mogul LB, Add</i>	15.01	
<i>For Work In Restricted Working Space, Add</i>	14.43	
<i>For Installation Above 14', Add</i>	7.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	
26 05 33 13-0224 EA 1-1/4" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	89.47	21.95
<i>For Mogul LB, Add</i>	23.21	
<i>For Work In Restricted Working Space, Add</i>	16.46	
<i>For Installation Above 14', Add</i>	8.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33 13-0225 EA 1-1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	94.74	24.05
<i>For Mogul LB, Add</i>	22.94	
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0226 EA 2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	144.44	28.86
<i>For Mogul LB, Add</i>	50.59	
<i>For Work In Restricted Working Space, Add</i>	21.65	
<i>For Installation Above 14', Add</i>	10.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.65	
26 05 33 13-0227 EA 2-1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	246.80	40.60
<i>For Mogul LB, Add</i>	103.92	
<i>For Work In Restricted Working Space, Add</i>	30.44	
<i>For Installation Above 14', Add</i>	15.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.44	
26 05 33 13-0228 EA 3" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	322.92	54.12
<i>For Mogul LB, Add</i>	133.94	
<i>For Work In Restricted Working Space, Add</i>	40.59	
<i>For Installation Above 14', Add</i>	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33 13-0229 EA 3-1/2" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	489.38	67.66
<i>For Mogul LB, Add</i>	231.72	
<i>For Work In Restricted Working Space, Add</i>	50.74	
<i>For Installation Above 14', Add</i>	25.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.74	
26 05 33 13-0230 EA 4" Rigid Galvanized Steel (RGS) Type LB, LL Or LR Two Hub Conduit Body With Cover	600.41	82.38
<i>For Mogul LB, Add</i>	285.53	
<i>For Work In Restricted Working Space, Add</i>	61.79	
<i>For Installation Above 14', Add</i>	30.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.79	
26 05 33 13-0231 Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Bodies With Cover <small>(26 05 33 13-0042)</small>		
26 05 33 13-0232 EA 1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	57.19	16.53
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-0233 EA 3/4" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	66.95	19.24
<i>For Work In Restricted Working Space, Add</i>	14.43	
<i>For Installation Above 14', Add</i>	7.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	
26 05 33 13-0234 EA 1" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	80.61	21.04
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Installation Above 14', Add</i>	7.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
26 05 33 13-0235 EA 1-1/4" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	99.35	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0236 EA 1-1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	116.90	26.46
<i>For Work In Restricted Working Space, Add</i>	19.85	
<i>For Installation Above 14', Add</i>	9.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-0237 EA 2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	156.62	30.97
<i>For Work In Restricted Working Space, Add</i>	23.23	
<i>For Installation Above 14', Add</i>	11.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.23	
26 05 33 13-0238 EA 2-1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	263.46	45.11
<i>For Work In Restricted Working Space, Add</i>	33.83	
<i>For Installation Above 14', Add</i>	16.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.83	
26 05 33 13-0239 EA 3" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	360.33	58.63
<i>For Work In Restricted Working Space, Add</i>	43.97	
<i>For Installation Above 14', Add</i>	21.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.97	
26 05 33 13-0240 EA 3-1/2" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	537.17	72.17
<i>For Work In Restricted Working Space, Add</i>	54.12	
<i>For Installation Above 14', Add</i>	27.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.12	
26 05 33 13-0241 EA 4" Rigid Galvanized Steel (RGS) Type T Three Hub Conduit Body With Cover	641.10	86.90
<i>For Work In Restricted Working Space, Add</i>	65.18	
<i>For Installation Above 14', Add</i>	32.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.18	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0242 Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0042)</small>		
26 05 33 13-0243 EA 1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	44.34	14.44
For Work In Restricted Working Space, Add	10.82	
For Installation Above 14', Add	5.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-0244 EA 3/4" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	53.21	16.53
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-0245 EA 1" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	64.58	18.94
For Work In Restricted Working Space, Add	14.21	
For Installation Above 14', Add	7.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0246 EA 1-1/4" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	80.04	21.95
For Work In Restricted Working Space, Add	16.46	
For Installation Above 14', Add	8.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46	
26 05 33 13-0247 EA 1-1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	87.57	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.04	
26 05 33 13-0248 EA 2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	117.85	28.86
For Work In Restricted Working Space, Add	21.65	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.65	
26 05 33 13-0249 EA 2-1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	168.79	40.60
For Work In Restricted Working Space, Add	30.44	
For Installation Above 14', Add	15.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.44	
26 05 33 13-0250 EA 3" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	222.81	54.12
For Work In Restricted Working Space, Add	40.59	
For Installation Above 14', Add	20.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.59	
26 05 33 13-0251 EA 3-1/2" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	296.95	67.66
For Work In Restricted Working Space, Add	50.74	
For Installation Above 14', Add	25.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.74	
26 05 33 13-0252 EA 4" Rigid Galvanized Steel (RGS) Type C Two Hub Conduit Body With Cover	374.23	82.38
For Work In Restricted Working Space, Add	61.79	
For Installation Above 14', Add	30.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.79	
26 05 33 13-0253 Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Bodies With Cover <small>(26 05 33 13-0042)</small>		
26 05 33 13-0254 EA 1/2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	57.94	18.94
For Work In Restricted Working Space, Add	14.21	
For Installation Above 14', Add	7.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0255 EA 3/4" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	65.34	21.04
For Work In Restricted Working Space, Add	15.79	
For Installation Above 14', Add	7.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-0256 EA 1" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	76.96	23.15
For Work In Restricted Working Space, Add	17.36	
For Installation Above 14', Add	8.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.36	
26 05 33 13-0257 EA 1-1/4" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	94.11	26.46
For Work In Restricted Working Space, Add	19.85	
For Installation Above 14', Add	9.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.85	
26 05 33 13-0258 EA 1-1/2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	109.46	28.86
For Work In Restricted Working Space, Add	21.65	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.65	
26 05 33 13-0259 EA 2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	146.33	35.48
For Work In Restricted Working Space, Add	26.61	
For Installation Above 14', Add	13.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.61	
26 05 33 13-0260 EA 2-1/2" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	229.86	52.01
For Work In Restricted Working Space, Add	39.02	
For Installation Above 14', Add	19.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.02	
26 05 33 13-0261 EA 3" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	300.44	67.66
For Work In Restricted Working Space, Add	50.74	
For Installation Above 14', Add	25.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.74	
26 05 33 13-0262 EA 3-1/2" Rigid Galvanized Steel (RGS) Types X Four Hub Conduit Body With Cover	452.91	83.59
For Work In Restricted Working Space, Add	62.69	
For Installation Above 14', Add	31.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.69	
26 05 33 13-0263 EA 4" Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body With Cover	524.01	100.43
For Work In Restricted Working Space, Add	75.32	
For Installation Above 14', Add	37.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0264 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0265 EA 1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	10.68	4.88
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0266 EA 3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	12.29	5.63
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0267 EA 1" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	15.69	7.14
For Work In Restricted Working Space, Add	4.28	
For Installation Above 14', Add	2.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-0268 EA 1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	18.32	8.27
For Work In Restricted Working Space, Add	4.96	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-0269 EA 1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	20.91	9.39
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0270 EA 1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	10.75	4.88
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0271 EA 3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	12.40	5.63
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0272 EA 1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	15.81	7.14
For Work In Restricted Working Space, Add	4.28	
For Installation Above 14', Add	2.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-0273 EA 1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	18.49	8.27
For Work In Restricted Working Space, Add	4.96	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-0274 EA 1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	21.18	9.39
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0275 EA 2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	23.93	10.53
For Work In Restricted Working Space, Add	6.31	
For Installation Above 14', Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-0276 EA 1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	10.83	4.88
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0277 EA 3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	12.50	5.63
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0278 EA 1" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	15.99	7.14
For Work In Restricted Working Space, Add	4.28	
For Installation Above 14', Add	2.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-0279 EA 1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	18.64	8.27
For Work In Restricted Working Space, Add	4.96	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-0280 EA 1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	21.37	9.39
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0281 EA 2" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	24.39	10.53
For Work In Restricted Working Space, Add	6.31	
For Installation Above 14', Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-0282 EA 2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	32.47	12.78
For Work In Restricted Working Space, Add	7.67	
For Installation Above 14', Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-0283 EA 3" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	43.82	17.67
For Work In Restricted Working Space, Add	10.60	
For Installation Above 14', Add	5.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.60	
26 05 33 13-0284 EA 1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	10.93	4.88
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0285	EA		3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.56	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0286	EA		1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	16.22	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0287	EA		1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	18.93	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-0288	EA		1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	21.75	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0289	EA		2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple	24.85	10.53
			<i>For Work In Restricted Working Space, Add</i>	6.31	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-0290	EA		2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	33.73	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0291	EA		3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	44.91	17.67
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-0292	EA		1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	11.02	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0293	EA		3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	12.73	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0294	EA		1" x 4" Long Rigid Galvanized Steel (RGS) Nipple	16.36	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0295	EA		1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	19.07	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-0296	EA		1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	22.01	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0297	EA		2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	25.25	10.53
			<i>For Work In Restricted Working Space, Add</i>	6.31	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-0298	EA		2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	34.11	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0299	EA		3" x 4" Long Rigid Galvanized Steel (RGS) Nipple	45.72	17.67
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-0300	EA		3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	52.47	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-0301	EA		4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	66.06	25.94
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-0302	EA		1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	11.17	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0303	EA		3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	12.95	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0304	EA		1" x 5" Long Rigid Galvanized Steel (RGS) Nipple	16.63	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0305	EA		1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	19.48	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0306 EA 1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41 5.64 2.82 5.64	9.39
26 05 33 13-0307 EA 2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.95 6.31 3.16 6.31	10.53
26 05 33 13-0308 EA 2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.67 7.67 3.83 7.67	12.78
26 05 33 13-0309 EA 3" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.41 10.60 5.30 10.60	17.67
26 05 33 13-0310 EA 3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.15 11.95 5.97 11.95	19.92
26 05 33 13-0311 EA 4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.51 15.56 7.78 15.56	25.94
26 05 33 13-0312 EA 5" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.71 21.42 10.71 21.42	35.70
26 05 33 13-0313 EA 6" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.89 27.49 13.74 27.49	45.78
26 05 33 13-0314 EA 1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.44 2.93 1.47 2.93	4.88
26 05 33 13-0315 EA 3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.22 3.38 1.69 3.38	5.63
26 05 33 13-0316 EA 1" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.85 4.28 2.14 4.28	7.14
26 05 33 13-0317 EA 1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85 4.96 2.48 4.96	8.27
26 05 33 13-0318 EA 1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24 5.64 2.82 5.64	9.39
26 05 33 13-0319 EA 2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.65 6.31 3.16 6.31	10.53
26 05 33 13-0320 EA 2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.03 7.67 3.83 7.67	12.78
26 05 33 13-0321 EA 3" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.12 10.60 5.30 10.60	17.67
26 05 33 13-0322 EA 3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.20 11.95 5.97 11.95	19.92
26 05 33 13-0323 EA 4" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.45 15.56 7.78 15.56	25.94
26 05 33 13-0324 EA 5" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.56 21.42 10.71 21.42	35.70
26 05 33 13-0325 EA 6" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.06 27.49 13.74 27.49	45.78
26 05 33 13-0326 EA 1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43 2.93 1.47 2.93	4.88

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327	EA		3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	14.48	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0328	EA		1" x 8" Long Rigid Galvanized Steel (RGS) Nipple	18.34	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0329	EA		1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	21.96	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-0330	EA		1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	25.59	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0331	EA		2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	29.14	10.53
			<i>For Work In Restricted Working Space, Add</i>	6.31	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-0332	EA		2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	40.65	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0333	EA		3" x 8" Long Rigid Galvanized Steel (RGS) Nipple	53.28	17.67
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-0334	EA		3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	60.34	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-0335	EA		4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	75.03	25.94
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-0336	EA		5" x 8" Long Rigid Galvanized Steel (RGS) Nipple	113.16	35.70
			<i>For Work In Restricted Working Space, Add</i>	21.42	
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-0337	EA		6" x 8" Long Rigid Galvanized Steel (RGS) Nipple	143.47	45.78
			<i>For Work In Restricted Working Space, Add</i>	27.49	
			<i>For Installation Above 14', Add</i>	13.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-0338	EA		1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	13.09	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0339	EA		3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	15.13	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0340	EA		1" x 10" Long Rigid Galvanized Steel (RGS) Nipple	19.52	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
			<i>For Installation Above 14', Add</i>	2.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0341	EA		1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	23.36	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-0342	EA		1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	26.97	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0343	EA		2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	30.74	10.53
			<i>For Work In Restricted Working Space, Add</i>	6.31	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-0344	EA		2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	43.08	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0345	EA		3" x 10" Long Rigid Galvanized Steel (RGS) Nipple	56.54	17.67
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-0346	EA		3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	64.64	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-0347	EA		4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	80.47	25.94
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0348 EA 5" x 10" Long Rigid Galvanized Steel (RGS) Nipple	120.36	35.70
<i>For Work In Restricted Working Space, Add</i>	21.42	
<i>For Installation Above 14', Add</i>	10.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-0349 EA 6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	156.42	45.78
<i>For Work In Restricted Working Space, Add</i>	27.49	
<i>For Installation Above 14', Add</i>	13.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-0350 EA 1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	13.60	4.88
<i>For Work In Restricted Working Space, Add</i>	2.93	
<i>For Installation Above 14', Add</i>	1.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0351 EA 3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	15.60	5.63
<i>For Work In Restricted Working Space, Add</i>	3.38	
<i>For Installation Above 14', Add</i>	1.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0352 EA 1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	20.22	7.14
<i>For Work In Restricted Working Space, Add</i>	4.28	
<i>For Installation Above 14', Add</i>	2.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0353 EA 1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	24.49	8.27
<i>For Work In Restricted Working Space, Add</i>	4.96	
<i>For Installation Above 14', Add</i>	2.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-0354 EA 1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	27.67	9.39
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0355 EA 2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	32.08	10.53
<i>For Work In Restricted Working Space, Add</i>	6.31	
<i>For Installation Above 14', Add</i>	3.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-0356 EA 2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	45.94	12.78
<i>For Work In Restricted Working Space, Add</i>	7.67	
<i>For Installation Above 14', Add</i>	3.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0357 EA 3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	61.08	17.67
<i>For Work In Restricted Working Space, Add</i>	10.60	
<i>For Installation Above 14', Add</i>	5.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-0358 EA 3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	68.83	19.92
<i>For Work In Restricted Working Space, Add</i>	11.95	
<i>For Installation Above 14', Add</i>	5.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-0359 EA 4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	85.93	25.94
<i>For Work In Restricted Working Space, Add</i>	15.56	
<i>For Installation Above 14', Add</i>	7.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-0360 EA 5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	130.71	35.70
<i>For Work In Restricted Working Space, Add</i>	21.42	
<i>For Installation Above 14', Add</i>	10.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-0361 EA 6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	163.62	45.78
<i>For Work In Restricted Working Space, Add</i>	27.49	
<i>For Installation Above 14', Add</i>	13.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-0362 Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0363 EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	11.12	3.91
<i>For Work In Restricted Working Space, Add</i>	2.96	
<i>For Installation Above 14', Add</i>	1.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-0364 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	13.15	4.51
<i>For Work In Restricted Working Space, Add</i>	3.36	
<i>For Installation Above 14', Add</i>	1.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.36	
26 05 33 13-0365 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple	16.55	5.71
<i>For Work In Restricted Working Space, Add</i>	4.30	
<i>For Installation Above 14', Add</i>	2.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.30	
26 05 33 13-0366 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	20.76	6.84
<i>For Work In Restricted Working Space, Add</i>	5.15	
<i>For Installation Above 14', Add</i>	2.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.15	
26 05 33 13-0367 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	22.73	7.52
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0368 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	29.40	9.24
<i>For Work In Restricted Working Space, Add</i>	6.95	
<i>For Installation Above 14', Add</i>	3.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0369	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	47.97	15.04
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33	13-0370	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	75.43	20.74
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33	13-0371	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	92.76	24.50
			<i>For Work In Restricted Working Space, Add</i>	18.28	
			<i>For Installation Above 14', Add</i>	9.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.28	
26 05 33	13-0372	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	110.71	28.26
			<i>For Work In Restricted Working Space, Add</i>	21.20	
			<i>For Installation Above 14', Add</i>	10.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.20	
26 05 33	13-0373		Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0042)</small>		
			Note: Erickson fittings.		
26 05 33	13-0374	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	31.99	12.03
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Installation Above 14', Add</i>	4.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33	13-0375	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	36.01	13.45
			<i>For Work In Restricted Working Space, Add</i>	10.08	
			<i>For Installation Above 14', Add</i>	5.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 33	13-0376	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	41.87	14.96
			<i>For Work In Restricted Working Space, Add</i>	11.23	
			<i>For Installation Above 14', Add</i>	5.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.23	
26 05 33	13-0377	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	50.43	16.38
			<i>For Work In Restricted Working Space, Add</i>	12.29	
			<i>For Installation Above 14', Add</i>	6.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.29	
26 05 33	13-0378	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	56.16	17.89
			<i>For Work In Restricted Working Space, Add</i>	13.44	
			<i>For Installation Above 14', Add</i>	6.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.44	
26 05 33	13-0379	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	71.26	19.39
			<i>For Work In Restricted Working Space, Add</i>	14.56	
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33	13-0380	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	112.79	24.05
			<i>For Work In Restricted Working Space, Add</i>	18.04	
			<i>For Installation Above 14', Add</i>	9.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33	13-0381	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	155.09	30.07
			<i>For Work In Restricted Working Space, Add</i>	22.55	
			<i>For Installation Above 14', Add</i>	11.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33	13-0382	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	223.35	36.08
			<i>For Work In Restricted Working Space, Add</i>	27.07	
			<i>For Installation Above 14', Add</i>	13.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.07	
26 05 33	13-0383	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	254.25	39.09
			<i>For Work In Restricted Working Space, Add</i>	29.31	
			<i>For Installation Above 14', Add</i>	14.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31	
26 05 33	13-0384	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	441.54	48.11
			<i>For Work In Restricted Working Space, Add</i>	36.08	
			<i>For Installation Above 14', Add</i>	18.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.08	
26 05 33	13-0385	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	567.29	55.62
			<i>For Work In Restricted Working Space, Add</i>	41.72	
			<i>For Installation Above 14', Add</i>	20.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.72	
26 05 33	13-0386		Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT)		
			Connectors <small>(26 05 33 13-0042)</small>		
26 05 33	13-0387	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	18.44	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Installation Above 14', Add</i>	2.26	
26 05 33	13-0388	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	20.56	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
26 05 33	13-0389	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	23.59	7.52
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
26 05 33	13-0390	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	26.61	8.12
			<i>For Work In Restricted Working Space, Add</i>	6.09	
			<i>For Installation Above 14', Add</i>	3.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0391 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	31.36	9.02
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0392 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	37.82	9.93
<i>For Work In Restricted Working Space, Add</i>	7.44	
<i>For Installation Above 14', Add</i>	3.72	
26 05 33 13-0393 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	50.95	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0394 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	63.06	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0395 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	75.76	18.04
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0396 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	85.26	19.54
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	
26 05 33 13-0397 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0042)</small>		
26 05 33 13-0398 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	16.85	6.77
<i>For Work In Restricted Working Space, Add</i>	4.06	
<i>For Installation Above 14', Add</i>	2.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33 13-0399 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	18.77	7.52
<i>For Work In Restricted Working Space, Add</i>	4.51	
<i>For Installation Above 14', Add</i>	2.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33 13-0400 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	23.17	9.39
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0401 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	28.50	11.28
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33 13-0402 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	36.61	15.04
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 33 13-0403 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	42.57	16.91
<i>For Work In Restricted Working Space, Add</i>	10.15	
<i>For Installation Above 14', Add</i>	5.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 05 33 13-0404 EA 2-1/2" Water Tight Conduit Hubs.....	52.42	18.79
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0405 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	70.61	23.68
<i>For Work In Restricted Working Space, Add</i>	14.21	
<i>For Installation Above 14', Add</i>	7.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.21	
26 05 33 13-0406 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	83.83	28.56
<i>For Work In Restricted Working Space, Add</i>	17.14	
<i>For Installation Above 14', Add</i>	8.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.14	
26 05 33 13-0407 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	102.86	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
<i>For Installation Above 14', Add</i>	10.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.30	
26 05 33 13-0408 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement <small>(26 05 33 13-0042)</small>		
Note: Type AX		
26 05 33 13-0409 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	77.88	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0410 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	88.39	13.54
<i>For Work In Restricted Working Space, Add</i>	10.15	
<i>For Installation Above 14', Add</i>	5.07	
26 05 33 13-0411 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	104.71	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0412 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	128.30	16.53
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
26 05 33 13-0413 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	161.30	18.04
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0414 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	223.15	19.54
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0415 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	341.89 18.04 9.02	24.05
26 05 33 13-0416 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	438.05 22.55 11.28	30.07
26 05 33 13-0417 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	639.73 27.06 13.53	36.08
26 05 33 13-0418 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	681.93 29.31 14.66	39.09
26 05 33 13-0419 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,044.89 36.08 18.04	48.11
26 05 33 13-0420 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,283.76 40.05 20.03	53.37
26 05 33 13-0421 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type AX-8		
26 05 33 13-0422 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.87 9.02 4.51	12.03
26 05 33 13-0423 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	95.47 10.15 5.07	13.54
26 05 33 13-0424 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	115.82 11.28 5.64	15.04
26 05 33 13-0425 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.79 12.41 6.20	16.53
26 05 33 13-0426 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	196.06 13.53 6.77	18.04
26 05 33 13-0427 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	239.76 14.66 7.33	19.54
26 05 33 13-0428 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	449.58 18.04 9.02	24.05
26 05 33 13-0429 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	511.59 22.55 11.28	30.07
26 05 33 13-0430 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	785.05 27.06 13.53	36.08
26 05 33 13-0431 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	849.89 29.31 14.66	39.09
26 05 33 13-0432 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,186.47 36.08 18.04	48.11
26 05 33 13-0433 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,465.91 40.05 20.03	53.37
26 05 33 13-0434 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type EX		
26 05 33 13-0435 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.56 9.02 4.51	12.03
26 05 33 13-0436 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	123.05 10.15 5.07	13.54
26 05 33 13-0437 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	153.07 11.28 5.64	15.04
26 05 33 13-0438 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	186.12 12.41 6.20	16.53
26 05 33 13-0439 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	250.67 13.53 6.77	18.04
26 05 33 13-0440 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	345.30 14.66 7.33	19.54
26 05 33 13-0441 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	536.46 18.04 9.02	24.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0442 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	723.13	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
26 05 33 13-0443 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,085.94	36.08
<i>For Work In Restricted Working Space, Add</i>	27.06	
<i>For Installation Above 14', Add</i>	13.53	
26 05 33 13-0444 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,123.96	39.09
<i>For Work In Restricted Working Space, Add</i>	29.31	
<i>For Installation Above 14', Add</i>	14.66	
26 05 33 13-0445 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,691.67	48.11
<i>For Work In Restricted Working Space, Add</i>	36.08	
<i>For Installation Above 14', Add</i>	18.04	
26 05 33 13-0446 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,097.25	53.37
<i>For Work In Restricted Working Space, Add</i>	40.05	
<i>For Installation Above 14', Add</i>	20.03	
26 05 33 13-0447 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection		
Expansion Fittings <small>(26 05 33 13-0042)</small>		
Note: Type DX		
26 05 33 13-0448 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	169.68	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0449 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	202.13	13.54
<i>For Work In Restricted Working Space, Add</i>	10.15	
<i>For Installation Above 14', Add</i>	5.07	
26 05 33 13-0450 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	244.34	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0451 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	287.25	16.53
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.20	
26 05 33 13-0452 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	317.64	18.04
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0453 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	392.59	19.54
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	
26 05 33 13-0454 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	518.90	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
26 05 33 13-0455 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	658.07	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
26 05 33 13-0456 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	740.44	36.08
<i>For Work In Restricted Working Space, Add</i>	27.06	
<i>For Installation Above 14', Add</i>	13.53	
26 05 33 13-0457 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	897.89	39.09
<i>For Work In Restricted Working Space, Add</i>	29.31	
<i>For Installation Above 14', Add</i>	14.66	
26 05 33 13-0458 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,535.77	48.11
<i>For Work In Restricted Working Space, Add</i>	36.08	
<i>For Installation Above 14', Add</i>	18.04	
26 05 33 13-0459 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,442.00	53.37
<i>For Work In Restricted Working Space, Add</i>	40.05	
<i>For Installation Above 14', Add</i>	20.03	
26 05 33 13-0460 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0042)</small>		
26 05 33 13-0461 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper	43.82	6.02
<i>For Work In Restricted Working Space, Add</i>	4.51	
<i>For Installation Above 14', Add</i>	2.26	
26 05 33 13-0462 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper	50.49	7.52
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0463 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper	62.24	9.02
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0464 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper	87.42	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0465 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	132.45	18.04
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0466 EA 5" To 6" Conduit, 14" Bonding Jumper	226.08	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
26 05 33 13-0467 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper	48.75	6.02
<i>For Work In Restricted Working Space, Add</i>	4.51	
<i>For Installation Above 14', Add</i>	2.26	
26 05 33 13-0468 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper	56.72	7.52
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0469	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper	67.94	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0470	EA		2-1/2" To 3" Conduit, 24" Bonding Jumper	94.99	12.03
			<i>For Work In Restricted Working Space, Add</i>	9.02	
			<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0471	EA		3-1/2" To 4" Conduit, 24" Bonding Jumper	142.49	18.04
			<i>For Work In Restricted Working Space, Add</i>	13.53	
			<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0472	EA		5" To 6" Conduit, 24" Bonding Jumper.....	258.48	24.05
			<i>For Work In Restricted Working Space, Add</i>	18.04	
			<i>For Installation Above 14', Add</i>	9.02	
26 05 33 13-0473 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0042)</small>					
26 05 33 13-0474	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	61.18	18.79
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0475	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	72.81	22.55
			<i>For Work In Restricted Working Space, Add</i>	13.53	
			<i>For Installation Above 14', Add</i>	6.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.53	
26 05 33 13-0476	EA		1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	88.22	26.31
			<i>For Work In Restricted Working Space, Add</i>	15.79	
			<i>For Installation Above 14', Add</i>	7.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
26 05 33 13-0477	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	103.37	30.07
			<i>For Work In Restricted Working Space, Add</i>	18.04	
			<i>For Installation Above 14', Add</i>	9.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0478	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	132.75	33.83
			<i>For Work In Restricted Working Space, Add</i>	20.30	
			<i>For Installation Above 14', Add</i>	10.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.30	
26 05 33 13-0479	EA		2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	159.50	37.59
			<i>For Work In Restricted Working Space, Add</i>	22.55	
			<i>For Installation Above 14', Add</i>	11.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33 13-0480	EA		2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	221.22	45.11
			<i>For Work In Restricted Working Space, Add</i>	27.06	
			<i>For Installation Above 14', Add</i>	13.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.06	
26 05 33 13-0481	EA		3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	265.28	52.62
			<i>For Work In Restricted Working Space, Add</i>	31.57	
			<i>For Installation Above 14', Add</i>	15.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57	
26 05 33 13-0482	EA		3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	581.84	60.14
			<i>For Work In Restricted Working Space, Add</i>	36.08	
			<i>For Installation Above 14', Add</i>	18.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.08	
26 05 33 13-0483	EA		4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	669.51	67.66
			<i>For Work In Restricted Working Space, Add</i>	40.59	
			<i>For Installation Above 14', Add</i>	20.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33 13-0484 Rigid Galvanized Steel (RGS) Threaded Couplings <small>(26 05 33 13-0042)</small>					
26 05 33 13-0485	EA		1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	10.00	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0486	EA		3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	14.01	6.39
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0487	EA		1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	18.41	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.96	
			<i>For Installation Above 14', Add</i>	2.48	
26 05 33 13-0488	EA		1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	21.16	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0489	EA		1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	25.52	11.28
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0490	EA		2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	29.98	12.78
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
26 05 33 13-0491	EA		2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	38.49	14.29
			<i>For Work In Restricted Working Space, Add</i>	8.57	
			<i>For Installation Above 14', Add</i>	4.28	
26 05 33 13-0492	EA		3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	45.23	16.16
			<i>For Work In Restricted Working Space, Add</i>	9.70	
			<i>For Installation Above 14', Add</i>	4.85	
26 05 33 13-0493	EA		3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	52.77	17.67
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Installation Above 14', Add</i>	5.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0494 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	55.76 11.28 5.64	18.79
26 05 33 13-0495 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0042)		
26 05 33 13-0496 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.37	0.75
26 05 33 13-0497 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.26	1.12
26 05 33 13-0498 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.41	1.87
26 05 33 13-0499 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.84	2.63
26 05 33 13-0500 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.43	3.01
26 05 33 13-0501 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.11	3.38
26 05 33 13-0502 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0042)		
26 05 33 13-0503 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.02 7.52 3.76 7.52	10.00
26 05 33 13-0504 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.96 7.50 3.75 7.50	10.00
26 05 33 13-0505 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.39 8.22 4.11 8.22	10.98
26 05 33 13-0506 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.32 9.03 4.52 9.03	12.03
26 05 33 13-0507 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.53 9.02 4.51 9.02	12.03
26 05 33 13-0508 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.00 11.28 5.64 11.28	15.04
26 05 33 13-0509 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.58 15.04 7.52 15.04	20.07
26 05 33 13-0510 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	330.63 15.04 7.52 15.04	20.07
26 05 33 13-0511 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	389.72 18.05 9.02 18.05	24.05
26 05 33 13-0512 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	431.79 18.04 9.02 18.04	24.05
26 05 33 13-0513 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.06 22.55 11.28 22.55	30.07
26 05 33 13-0514 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	720.30 22.55 11.28 22.55	30.07
26 05 33 13-0515 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0042)		
26 05 33 13-0516 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.99 9.70 4.85 9.70	16.16
26 05 33 13-0517 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.06 10.15 5.07 10.15	16.91
26 05 33 13-0518 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.31 10.82 5.41 10.82	18.04
26 05 33 13-0519 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.79 11.28 5.64 11.28	18.79

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0520	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	41.54	19.17
			<i>For Work In Restricted Working Space, Add</i>	11.50	
			<i>For Installation Above 14', Add</i>	5.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.50	
26 05 33	13-0521	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	43.04	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33	13-0522	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	42.97	19.54
			<i>For Work In Restricted Working Space, Add</i>	11.73	
			<i>For Installation Above 14', Add</i>	5.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.73	
26 05 33	13-0523	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	43.72	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33	13-0524	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	45.23	20.67
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0525	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	51.24	23.68
			<i>For Work In Restricted Working Space, Add</i>	14.21	
			<i>For Installation Above 14', Add</i>	7.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.21	
26 05 33	13-0526	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	48.35	19.92
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33	13-0527	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	49.86	20.67
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0528	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	52.11	21.80
			<i>For Work In Restricted Working Space, Add</i>	13.08	
			<i>For Installation Above 14', Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33	13-0529	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	54.37	22.93
			<i>For Work In Restricted Working Space, Add</i>	13.76	
			<i>For Installation Above 14', Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.76	
26 05 33	13-0530	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	56.62	24.05
			<i>For Work In Restricted Working Space, Add</i>	14.43	
			<i>For Installation Above 14', Add</i>	7.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	
26 05 33	13-0531	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	67.48	27.44
			<i>For Work In Restricted Working Space, Add</i>	16.46	
			<i>For Installation Above 14', Add</i>	8.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46	
26 05 33	13-0532		Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0042)</small>	1.56	0.75
26 05 33	13-0533	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	0.45	
			<i>For Work In Restricted Working Space, Add</i>	0.23	
26 05 33	13-0534	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	2.35	1.12
			<i>For Work In Restricted Working Space, Add</i>	0.68	
			<i>For Installation Above 14', Add</i>	0.34	
26 05 33	13-0535	EA	1" Rigid Galvanized Steel (RGS) Locknuts	3.91	1.87
			<i>For Work In Restricted Working Space, Add</i>	1.13	
			<i>For Installation Above 14', Add</i>	0.56	
26 05 33	13-0536	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	5.50	2.63
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
26 05 33	13-0537	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	6.33	3.01
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Installation Above 14', Add</i>	0.90	
26 05 33	13-0538	EA	2" Rigid Galvanized Steel (RGS) Locknuts	10.55	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Installation Above 14', Add</i>	1.02	
26 05 33	13-0539	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	10.03	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
26 05 33	13-0540	EA	3" Rigid Galvanized Steel (RGS) Locknuts	12.39	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
26 05 33	13-0541	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	14.63	6.39
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.92	
26 05 33	13-0542	EA	4" Rigid Galvanized Steel (RGS) Locknuts	16.42	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Installation Above 14', Add</i>	2.14	
26 05 33	13-0543		Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0042)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0544 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.42 0.45 0.23	0.75
26 05 33 13-0545 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.37 0.68 0.34	1.12
26 05 33 13-0546 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.34 1.13 0.56	1.87
26 05 33 13-0547 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.46 1.58 0.79	2.63
26 05 33 13-0548 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.43 1.81 0.90	3.01
26 05 33 13-0549 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.92 2.03 1.02	3.38
26 05 33 13-0550 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.87 2.71 1.35	4.51
26 05 33 13-0551 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.71 3.38 1.69	5.63
26 05 33 13-0552 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.84 3.83 1.92	6.39
26 05 33 13-0553 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	29.84 4.29 2.14	7.14
26 05 33 13-0554 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0555 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.82 1.35 0.68	2.26
26 05 33 13-0556 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.52 1.81 0.90	3.01
26 05 33 13-0557 EA 1" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.89 2.26 1.13	3.76
26 05 33 13-0558 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.80 3.61 1.80	6.02
26 05 33 13-0559 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.80 4.06 2.03	6.77
26 05 33 13-0560 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.26 4.51 2.26	7.52
26 05 33 13-0561 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.14 5.41 2.71	9.02
26 05 33 13-0562 EA 3" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.11 6.77 3.38	11.28
26 05 33 13-0563 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	42.02 9.02 4.51	15.04
26 05 33 13-0564 EA 4" Rigid Galvanized Steel (RGS) Insulated Gound Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	51.09 11.28 5.64	18.79
26 05 33 13-0565 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0566 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.16 4.06 2.03	6.77
26 05 33 13-0567 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.65 4.51 2.26	7.52
26 05 33 13-0568 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.86 5.64 2.82	9.39
26 05 33 13-0569 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.21 6.77 3.38	11.28
26 05 33 13-0570 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.68 9.02 4.51	15.04
26 05 33 13-0571 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.95 11.28 5.64	18.79

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0572 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	92.07 13.53 6.77	22.55
26 05 33 13-0573 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.87 15.79 7.89	26.31
26 05 33 13-0574 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.25 19.17 9.59	31.95
26 05 33 13-0575 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	174.76 22.55 11.28	37.59
26 05 33 13-0576 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0042)		
26 05 33 13-0577 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.40 5.64 2.82	9.39
26 05 33 13-0578 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.74 6.77 3.38	11.28
26 05 33 13-0579 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	37.37 9.02 4.51	15.04
26 05 33 13-0580 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.40 11.28 5.64	18.79
26 05 33 13-0581 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	59.19 13.53 6.77	22.55
26 05 33 13-0582 EA 2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.40 15.79 7.89	26.31
26 05 33 13-0583 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	124.98 18.04 9.02	30.07
26 05 33 13-0584 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	137.77 15.56 7.78	25.94
26 05 33 13-0585 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	192.02 23.68 11.84	39.46
26 05 33 13-0586 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	234.91 27.06 13.53	45.11
26 05 33 13-0587 Rigid Galvanized Steel (RGS) Knock Out Seal (26 05 33 13-0042)		
26 05 33 13-0588 EA 1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.96 1.13 0.56	1.87
26 05 33 13-0589 EA 3/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.77 1.35 0.68	2.26
26 05 33 13-0590 EA 1" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.67 1.58 0.79	2.63
26 05 33 13-0591 EA 1-1/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.30 2.03 1.02	3.38
26 05 33 13-0592 EA 1-1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.26 2.26 1.13	3.76
26 05 33 13-0593 EA 2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.07 2.71 1.35	4.51
26 05 33 13-0594 EA 2-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.73 3.38 1.69	5.63
26 05 33 13-0595 EA 3" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.89 3.83 1.92	6.39
26 05 33 13-0596 EA 3-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.90 4.29 2.14	7.14
26 05 33 13-0597 EA 4" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.56 4.74 2.37	7.89
26 05 33 13-0598 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0042)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0599 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	9.32	4.51
<i>For Work In Restricted Working Space, Add</i>	2.71	
<i>For Installation Above 14', Add</i>	1.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-0600 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	11.03	5.26
<i>For Work In Restricted Working Space, Add</i>	3.16	
<i>For Installation Above 14', Add</i>	1.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-0601 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	13.87	6.39
<i>For Work In Restricted Working Space, Add</i>	3.83	
<i>For Installation Above 14', Add</i>	1.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-0602 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	16.94	7.52
<i>For Work In Restricted Working Space, Add</i>	4.51	
<i>For Installation Above 14', Add</i>	2.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33 13-0603 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	21.23	9.39
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0604 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	26.51	11.28
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33 13-0605 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	33.84	13.15
<i>For Work In Restricted Working Space, Add</i>	7.89	
<i>For Installation Above 14', Add</i>	3.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33 13-0606 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	37.80	15.04
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 33 13-0607 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	47.49	16.91
<i>For Work In Restricted Working Space, Add</i>	10.15	
<i>For Installation Above 14', Add</i>	5.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 05 33 13-0608 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	66.22	18.79
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0609 Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0042)</small>		
26 05 33 13-0610 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	18.73	6.77
<i>For Work In Restricted Working Space, Add</i>	4.06	
<i>For Installation Above 14', Add</i>	2.03	
26 05 33 13-0611 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	21.75	7.89
<i>For Work In Restricted Working Space, Add</i>	4.74	
<i>For Installation Above 14', Add</i>	2.37	
26 05 33 13-0612 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	27.94	9.02
<i>For Work In Restricted Working Space, Add</i>	5.41	
<i>For Installation Above 14', Add</i>	2.71	
26 05 33 13-0613 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	35.88	11.28
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0614 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	48.22	13.54
<i>For Work In Restricted Working Space, Add</i>	8.12	
<i>For Installation Above 14', Add</i>	4.06	
26 05 33 13-0615 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	65.06	15.79
<i>For Work In Restricted Working Space, Add</i>	9.47	
<i>For Installation Above 14', Add</i>	4.74	
26 05 33 13-0616 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	91.37	18.04
<i>For Work In Restricted Working Space, Add</i>	10.82	
<i>For Installation Above 14', Add</i>	5.41	
26 05 33 13-0617 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	162.24	22.55
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0618 Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0041)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-0619 Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0618)</small>		
<i>Note: Includes field bending conduit up to and including 1".</i>		
26 05 33 13-0620 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	3.73	1.35
<i>For >250 To 500, Deduct</i>	-0.02	
<i>For >500 To 1,000, Deduct</i>	-0.20	
<i>For >1,000, Deduct</i>	-0.29	
<i>For Installation In Metal Stud Wall, Add</i>	0.34	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.85	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.51	
<i>For Work In Restricted Working Space, Add</i>	1.01	
<i>For Installation Above 14', Add</i>	0.51	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0621 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	4.39	1.50
For >250 To 500, Deduct	-0.03	
For >500 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.35	
For Installation In Metal Stud Wall, Add	0.38	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.94	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Work In Restricted Working Space, Add	1.13	
For Installation Above 14', Add	0.56	
26 05 33 13-0622 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	5.25	1.65
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.29	
For >1,000, Deduct	-0.42	
For Installation In Metal Stud Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.03	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.24	
For Installation Above 14', Add	0.62	
26 05 33 13-0623 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	6.24	1.86
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.51	
For Installation In Metal Stud Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.17	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.70	
For Work In Restricted Working Space, Add	1.40	
For Installation Above 14', Add	0.70	
26 05 33 13-0624 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	7.20	2.11
For >250 To 500, Deduct	-0.10	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.59	
For Installation In Metal Stud Wall, Add	0.53	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0625 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	8.41	2.41
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.69	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.90	
26 05 33 13-0626 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	10.75	2.86
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.90	
For Installation In Metal Stud Wall, Add	0.71	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.79	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.07	
For Work In Restricted Working Space, Add	2.14	
For Installation Above 14', Add	1.07	
26 05 33 13-0627 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	12.87	3.31
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.08	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
For Installation Above 14', Add	1.24	
26 05 33 13-0628 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	16.11	3.91
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.96	
For >1,000, Deduct	-1.37	
For Installation In Metal Stud Wall, Add	0.98	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.45	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.47	
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
26 05 33 13-0629 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	21.96	6.00
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.82	
For Installation In Metal Stud Wall, Add	1.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.75	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.25	
For Work In Restricted Working Space, Add	4.50	
For Installation Above 14', Add	2.25	
26 05 33 13-0630 Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0618)</small>		
See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-0631 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0618)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0632 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.96 1.13 0.56	1.80
26 05 33 13-0633 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.86 1.35 0.68	1.80
26 05 33 13-0634 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.86 1.58 0.79	2.11
26 05 33 13-0635 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.84 2.03 1.02	2.71
26 05 33 13-0636 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.81 2.48 1.24	3.31
26 05 33 13-0637 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.30 3.38 1.69	4.51
26 05 33 13-0638 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.45 4.51 2.26	6.02
26 05 33 13-0639 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.16 5.64 2.82	6.92
26 05 33 13-0640 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	29.07 6.77 3.38	7.52
26 05 33 13-0641 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	78.12 21.14 10.57	21.76
26 05 33 13-0642 Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0618)</small>		
26 05 33 13-0643 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.27 1.48 0.74	1.97
26 05 33 13-0644 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.76 1.58 0.79	2.11
26 05 33 13-0645 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.36 2.26 1.13	3.01
26 05 33 13-0646 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.51 2.71 1.35	3.61
26 05 33 13-0647 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.66 3.16 1.58	4.21
26 05 33 13-0648 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.83 3.83 1.92	5.11
26 05 33 13-0649 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.39 5.67 2.84	7.57
26 05 33 13-0650 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.49 6.31 3.16	8.42
26 05 33 13-0651 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	39.98 7.89 3.95	10.53
26 05 33 13-0652 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.70 10.15 5.07	13.54
26 05 33 13-0653 Electrical Metallic Tubing (EMT) Box Connectors With Set Screw <small>(26 05 33 13-0618)</small>		
26 05 33 13-0654 EA 1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.99 1.13 0.56 1.13	1.50
26 05 33 13-0655 EA 3/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91 1.35 0.68 1.35	1.80
26 05 33 13-0656 EA 1" Electrical Metallic Tubing (EMT) Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.85 1.58 0.79 1.58	2.11
26 05 33 13-0657 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.49 2.26 1.13 2.26	3.01

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0658	EA	1-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	10.70	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33	13-0659	EA	2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	13.46	4.51
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33	13-0660	EA	2-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	20.32	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33	13-0661	EA	3" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	25.08	7.52
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0662	EA	3-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	30.01	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-0663	EA	4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	34.95	10.53
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Installation Above 14', Add</i>	3.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33	13-0664		Electrical Metallic Tubing (EMT) Insulated Box Connectors With Set Screw		
			<small>(26 05 33 13-0618)</small>		
26 05 33	13-0665	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	5.79	2.03
			<i>For Work In Restricted Working Space, Add</i>	1.51	
			<i>For Installation Above 14', Add</i>	0.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.51	
26 05 33	13-0666	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	6.70	2.18
			<i>For Work In Restricted Working Space, Add</i>	1.64	
			<i>For Installation Above 14', Add</i>	0.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.64	
26 05 33	13-0667	EA	1" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	8.73	2.71
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Installation Above 14', Add</i>	1.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33	13-0668	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	12.14	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.57	
			<i>For Installation Above 14', Add</i>	1.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 33	13-0669	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	15.25	3.98
			<i>For Work In Restricted Working Space, Add</i>	3.00	
			<i>For Installation Above 14', Add</i>	1.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	
26 05 33	13-0670	EA	2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	19.63	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Installation Above 14', Add</i>	1.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-0671	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	50.32	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Installation Above 14', Add</i>	2.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33	13-0672	EA	3" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	62.01	8.87
			<i>For Work In Restricted Working Space, Add</i>	6.68	
			<i>For Installation Above 14', Add</i>	3.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.68	
26 05 33	13-0673	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	82.68	11.43
			<i>For Work In Restricted Working Space, Add</i>	8.59	
			<i>For Installation Above 14', Add</i>	4.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.59	
26 05 33	13-0674	EA	4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	96.72	15.04
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33	13-0675		Electrical Metallic Tubing (EMT) Box Compression Connectors		
			<small>(26 05 33 13-0618)</small>		
26 05 33	13-0676	EA	1/2" Electrical Metallic Tubing (EMT) Box Compression Connector.....	5.89	1.80
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.35	
26 05 33	13-0677	EA	3/4" Electrical Metallic Tubing (EMT) Box Compression Connector.....	7.15	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33	13-0678	EA	1" Electrical Metallic Tubing (EMT) Box Compression Connector.....	9.33	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Installation Above 14', Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0679 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.44 2.71 1.35 2.71	3.61
26 05 33 13-0680 EA 1-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.96 3.16 1.58 3.16	4.21
26 05 33 13-0681 EA 2" Electrical Metallic Tubing (EMT) Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56 4.06 2.03 4.06	5.41
26 05 33 13-0682 EA 2-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.96 5.41 2.71 5.41	7.22
26 05 33 13-0683 EA 3" Electrical Metallic Tubing (EMT) Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.78 6.77 3.38 6.77	9.02
26 05 33 13-0684 EA 3-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.09 7.89 3.95 7.89	10.53
26 05 33 13-0685 EA 4" Electrical Metallic Tubing (EMT) Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.91 9.02 4.51 9.02	12.03
26 05 33 13-0686 Electrical Metallic Tubing (EMT) Insulated Box Compression Connectors <small>(26 05 33 13-0618)</small>		
26 05 33 13-0687 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.56 1.51 0.75 1.51	2.03
26 05 33 13-0688 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.62 1.64 0.82 1.64	2.18
26 05 33 13-0689 EA 1" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36 2.01 1.00 2.01	2.71
26 05 33 13-0690 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.91 2.57 1.29 2.57	3.46
26 05 33 13-0691 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.65 3.00 1.50 3.00	3.98
26 05 33 13-0692 EA 2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53 3.61 1.80 3.61	4.81
26 05 33 13-0693 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.83 5.00 2.50 5.00	6.69
26 05 33 13-0694 EA 3" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.74 6.68 3.34 6.68	8.87
26 05 33 13-0695 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.69 8.59 4.30 8.59	11.43
26 05 33 13-0696 EA 4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.80 11.28 5.64 11.28	15.04
26 05 33 13-0697 Electrical Metallic Tubing (EMT) Expansion Fittings <small>(26 05 33 13-0618)</small> Note: Excludes jumper.		
26 05 33 13-0698 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	55.60 7.50 3.75	10.00
26 05 33 13-0699 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	66.82 9.10 4.55	12.10
26 05 33 13-0700 EA 1" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.06 11.37 5.69	15.19

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0701 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	103.51 13.99 6.99	18.64
26 05 33 13-0702 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	131.96 16.41 8.20	21.88
26 05 33 13-0703 EA 2" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	181.42 19.98 9.99	26.61
26 05 33 13-0704 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	266.90 25.66 12.83	34.20
26 05 33 13-0705 EA 3" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	322.16 30.00 15.00	39.99
26 05 33 13-0706 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	414.89 32.71 16.35	43.60
26 05 33 13-0707 EA 4" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	506.66 36.09 18.05	48.11
26 05 33 13-0708 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0618)</small>		
26 05 33 13-0709 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.50 2.00 1.00 2.00	2.71
26 05 33 13-0710 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01 2.00 1.00 2.00	2.71
26 05 33 13-0711 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.71 2.23 1.11 2.23	2.93
26 05 33 13-0712 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.71 2.53 1.27 2.53	3.38
26 05 33 13-0713 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.89 3.06 1.53 3.06	4.06
26 05 33 13-0714 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.18 3.50 1.75 3.50	4.66
26 05 33 13-0715 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.12 4.37 2.19 4.37	5.87
26 05 33 13-0716 Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Bodies With Cover And Set Screw <small>(26 05 33 13-0618)</small>		
26 05 33 13-0717 EA 1/2" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05 4.29 2.14 4.29	5.71
26 05 33 13-0718 EA 3/4" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.05 5.64 2.82 5.64	7.52
26 05 33 13-0719 EA 1" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.48 6.99 3.50 6.99	9.32
26 05 33 13-0720 EA 1-1/4" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.05 8.57 4.28 8.57	11.43
26 05 33 13-0721 EA 1-1/2" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.08 9.92 4.96 9.92	13.23
26 05 33 13-0722 EA 2" Electrical Metallic Tubing (EMT) Type LB, LR Or LL Two Hub Conduit Body With Cover And Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.08 11.28 5.64 11.28	15.04
26 05 33 13-0723 Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Bodies With Cover And Set Screw <small>(26 05 33 13-0618)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0724 EA 1/2" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw	27.27	7.52
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0725 EA 3/4" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw	34.03	9.32
<i>For Work In Restricted Working Space, Add</i>	6.99	
<i>For Installation Above 14', Add</i>	3.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-0726 EA 1" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw	43.21	11.43
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Installation Above 14', Add</i>	4.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-0727 EA 1-1/4" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw	57.76	13.23
<i>For Work In Restricted Working Space, Add</i>	9.92	
<i>For Installation Above 14', Add</i>	4.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 05 33 13-0728 EA 1-1/2" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw	70.32	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0729 EA 2" Electrical Metallic Tubing (EMT) Type T Three Hub Conduit Body With Cover And Set Screw	94.69	16.83
<i>For Work In Restricted Working Space, Add</i>	12.63	
<i>For Installation Above 14', Add</i>	6.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 05 33 13-0730 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0041)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-0731 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0730)</small>		
<i>Note: Includes field bending conduit up to 1".</i>		
26 05 33 13-0732 LF 1/2" Intermediate Metal Conduit (IMC) Conduit	4.83	1.50
<i>For >250 To 500, Deduct</i>	-0.05	
<i>For >500 To 1,000, Deduct</i>	-0.08	
<i>For >1,000, Deduct</i>	-0.11	
<i>For Installation In Metal Stud Wall, Add</i>	0.38	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.94	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
<i>For Work In Restricted Working Space, Add</i>	1.13	
<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0733 LF 3/4" Intermediate Metal Conduit (IMC) Conduit	5.41	1.65
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.10	
<i>For >1,000, Deduct</i>	-0.13	
<i>For Installation In Metal Stud Wall, Add</i>	0.41	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.03	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
<i>For Work In Restricted Working Space, Add</i>	1.24	
<i>For Installation Above 14', Add</i>	0.62	
26 05 33 13-0734 LF 1" Intermediate Metal Conduit (IMC) Conduit	6.48	1.80
<i>For >250 To 500, Deduct</i>	-0.10	
<i>For >500 To 1,000, Deduct</i>	-0.15	
<i>For >1,000, Deduct</i>	-0.20	
<i>For Installation In Metal Stud Wall, Add</i>	0.45	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.13	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	1.35	
<i>For Installation Above 14', Add</i>	0.68	
26 05 33 13-0735 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit	7.76	3.61
<i>For >250 To 500, Deduct</i>	-0.13	
<i>For >500 To 1,000, Deduct</i>	-0.19	
<i>For >1,000, Deduct</i>	-0.25	
<i>For Installation In Metal Stud Wall, Add</i>	0.53	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.32	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Installation Above 14', Add</i>	0.79	
26 05 33 13-0736 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit	8.97	2.41
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500 To 1,000, Deduct</i>	-0.22	
<i>For >1,000, Deduct</i>	-0.30	
<i>For Installation In Metal Stud Wall, Add</i>	0.60	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.51	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
<i>For Work In Restricted Working Space, Add</i>	1.81	
<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0737 LF 2" Intermediate Metal Conduit (IMC) Conduit	10.77	2.71
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500 To 1,000, Deduct</i>	-0.30	
<i>For >1,000, Deduct</i>	-0.40	
<i>For Installation In Metal Stud Wall, Add</i>	0.68	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.69	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.02	
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Installation Above 14', Add</i>	1.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0738	LF		2-1/2" Intermediate Metal Conduit (IMC) Conduit	17.88	3.61
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.89	
			<i>For Installation In Metal Stud Wall, Add</i>	0.90	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.26	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0739	LF		3" Intermediate Metal Conduit (IMC) Conduit	22.19	4.51
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.09	
			<i>For Installation In Metal Stud Wall, Add</i>	1.13	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.82	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
26 05 33 13-0740	LF		3-1/2" Intermediate Metal Conduit (IMC) Conduit	26.17	5.41
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.26	
			<i>For Installation In Metal Stud Wall, Add</i>	1.35	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.39	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.03	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Installation Above 14', Add</i>	2.03	
26 05 33 13-0741	LF		4" Intermediate Metal Conduit (IMC) Conduit	30.66	6.32
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.49	
			<i>For Installation In Metal Stud Wall, Add</i>	1.58	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.95	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.37	
			<i>For Work In Restricted Working Space, Add</i>	4.74	
			<i>For Installation Above 14', Add</i>	2.37	
26 05 33 13-0742			Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0730)</small>		
			See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-0743	EA		1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	37.36	11.35
			<i>For Work In Restricted Working Space, Add</i>	8.49	
			<i>For Installation Above 14', Add</i>	4.24	
26 05 33 13-0744	EA		1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	45.59	13.15
			<i>For Work In Restricted Working Space, Add</i>	9.86	
			<i>For Installation Above 14', Add</i>	4.93	
26 05 33 13-0745	EA		1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	53.81	15.11
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Installation Above 14', Add</i>	5.66	
26 05 33 13-0746	EA		2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	64.65	16.61
			<i>For Work In Restricted Working Space, Add</i>	12.45	
			<i>For Installation Above 14', Add</i>	6.22	
26 05 33 13-0747	EA		2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.18	20.74
			<i>For Work In Restricted Working Space, Add</i>	15.56	
			<i>For Installation Above 14', Add</i>	7.78	
26 05 33 13-0748	EA		3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	130.85	28.26
			<i>For Work In Restricted Working Space, Add</i>	21.20	
			<i>For Installation Above 14', Add</i>	10.60	
26 05 33 13-0749	EA		3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	185.97	31.87
			<i>For Work In Restricted Working Space, Add</i>	23.91	
			<i>For Installation Above 14', Add</i>	11.96	
26 05 33 13-0750	EA		4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	226.99	41.50
			<i>For Work In Restricted Working Space, Add</i>	31.12	
			<i>For Installation Above 14', Add</i>	15.56	
26 05 33 13-0751			Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0730)</small>		
26 05 33 13-0752	EA		1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	10.17	3.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0753	EA		3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	11.95	0.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0754	EA		1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.41	5.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0755	EA		1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.79	6.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-0756	EA		1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.92	7.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0757	EA		2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	26.82	9.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-0758	EA		2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	48.55	15.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 05 33 13-0759	EA		3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	60.87	20.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.34	
26 05 33 13-0760	EA		3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	78.51	24.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.27	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-0761	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.45 21.20	28.26
26 05 33 13-0762 Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0730)</small>						
	26 05 33	13-0763	EA	1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	44.14 10.82 5.41	14.44
	26 05 33	13-0764	EA	3/4" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.93 12.41 6.20	16.53
	26 05 33	13-0765	EA	1" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	64.92 14.43 7.22	19.24
	26 05 33	13-0766	EA	1-1/4" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.46 16.46 8.23	21.95
	26 05 33	13-0767	EA	1-1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	86.92 18.04 9.02	24.05
	26 05 33	13-0768	EA	2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	116.77 21.65 10.83	28.86
	26 05 33	13-0769	EA	2-1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	167.21 30.44 15.22	40.60
	26 05 33	13-0770	EA	3" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	220.76 40.59 20.30	54.12
	26 05 33	13-0771	EA	3-1/2" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	294.03 50.74 25.37	67.66
	26 05 33	13-0772	EA	4" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	370.30 61.79 30.90	82.38
	26 05 33	13-0773	EA	4" Intermediate Metal Conduit (IMC) Type LB Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.79	
26 05 33 13-0773 Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0730)</small>						
	26 05 33	13-0774	EA	1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.14 10.82	14.44
	26 05 33	13-0775	EA	3/4" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.93 12.41	16.53
	26 05 33	13-0776	EA	1" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.92 14.43	19.24
	26 05 33	13-0777	EA	1-1/4" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.46 16.46	21.95
	26 05 33	13-0778	EA	1-1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.92 18.04	24.05
	26 05 33	13-0779	EA	2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.77 21.65	28.86
	26 05 33	13-0780	EA	2-1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.21 30.44	40.60
	26 05 33	13-0781	EA	3" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.76 40.59	54.12
	26 05 33	13-0782	EA	3-1/2" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.03 50.74	67.66
	26 05 33	13-0783	EA	4" Intermediate Metal Conduit (IMC) Type LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	370.30 61.79	82.38
26 05 33 13-0784 Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Bodies With Cover <small>(26 05 33 13-0730)</small>						
	26 05 33	13-0785	EA	1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.69 14.21 7.10	18.94
	26 05 33	13-0786	EA	3/4" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.04 15.79 7.89	21.04
	26 05 33	13-0786	EA	3/4" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0787 EA 1" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	75.76	23.15
For Work In Restricted Working Space, Add	17.36	
For Installation Above 14', Add	8.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.36	
26 05 33 13-0788 EA 1-1/4" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	93.46	26.46
For Work In Restricted Working Space, Add	19.85	
For Installation Above 14', Add	9.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.85	
26 05 33 13-0789 EA 1-1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	108.59	28.86
For Work In Restricted Working Space, Add	21.65	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.65	
26 05 33 13-0790 EA 2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	144.99	35.48
For Work In Restricted Working Space, Add	26.61	
For Installation Above 14', Add	13.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.61	
26 05 33 13-0791 EA 2-1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	227.53	52.01
For Work In Restricted Working Space, Add	39.02	
For Installation Above 14', Add	19.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.02	
26 05 33 13-0792 EA 3" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	297.37	67.66
For Work In Restricted Working Space, Add	50.74	
For Installation Above 14', Add	25.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.74	
26 05 33 13-0793 EA 3-1/2" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	447.21	83.59
For Work In Restricted Working Space, Add	62.69	
For Installation Above 14', Add	31.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.69	
26 05 33 13-0794 EA 4" Intermediate Metal Conduit (IMC) Type T (Three Hub) Or X (Four Hub) Conduit Body With Cover.....	517.63	100.43
For Work In Restricted Working Space, Add	75.32	
For Installation Above 14', Add	37.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.32	
26 05 33 13-0795 Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Bodies With Cover <small>(26 05 33 13-0730)</small>		
26 05 33 13-0796 EA 1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	44.14	14.44
For Work In Restricted Working Space, Add	10.82	
For Installation Above 14', Add	5.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-0797 EA 3/4" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	52.93	16.53
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-0798 EA 1" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	64.18	18.94
For Work In Restricted Working Space, Add	14.21	
For Installation Above 14', Add	7.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0799 EA 1-1/4" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	79.45	21.95
For Work In Restricted Working Space, Add	16.46	
For Installation Above 14', Add	8.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46	
26 05 33 13-0800 EA 1-1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	86.93	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.04	
26 05 33 13-0801 EA 2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	116.78	28.86
For Work In Restricted Working Space, Add	21.65	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.65	
26 05 33 13-0802 EA 2-1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	256.01	76.15
For Work In Restricted Working Space, Add	57.08	
For Installation Above 14', Add	28.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.08	
26 05 33 13-0803 EA 3" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	220.76	54.12
For Work In Restricted Working Space, Add	40.59	
For Installation Above 14', Add	20.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.59	
26 05 33 13-0804 EA 3-1/2" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	293.97	67.66
For Work In Restricted Working Space, Add	50.74	
For Installation Above 14', Add	25.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.74	
26 05 33 13-0805 EA 4" Intermediate Metal Conduit (IMC) Type C Two Hub Conduit Body With Cover.....	370.29	82.38
For Work In Restricted Working Space, Add	61.79	
For Installation Above 14', Add	30.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.79	
26 05 33 13-0806 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0730)</small>		
Note: 3-Piece coupling.		
26 05 33 13-0807 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	33.16	12.03
For Work In Restricted Working Space, Add	9.03	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0808 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	37.53	13.45
<i>For Work In Restricted Working Space, Add</i>	10.08	
<i>For Installation Above 14', Add</i>	5.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 33 13-0809 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	45.01	14.96
<i>For Work In Restricted Working Space, Add</i>	11.23	
<i>For Installation Above 14', Add</i>	5.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.23	
26 05 33 13-0810 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	54.90	16.38
<i>For Work In Restricted Working Space, Add</i>	12.29	
<i>For Installation Above 14', Add</i>	6.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.29	
26 05 33 13-0811 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	62.30	17.89
<i>For Work In Restricted Working Space, Add</i>	13.44	
<i>For Installation Above 14', Add</i>	6.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.44	
26 05 33 13-0812 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	83.51	19.39
<i>For Work In Restricted Working Space, Add</i>	14.56	
<i>For Installation Above 14', Add</i>	7.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-0813 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	134.97	24.05
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0814 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	189.28	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33 13-0815 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	273.55	36.08
<i>For Work In Restricted Working Space, Add</i>	27.07	
<i>For Installation Above 14', Add</i>	13.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.07	
26 05 33 13-0816 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	314.70	39.09
<i>For Work In Restricted Working Space, Add</i>	29.31	
<i>For Installation Above 14', Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31	
26 05 33 13-0817 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0730)</small>		
26 05 33 13-0818 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	48.24	6.02
<i>For Work In Restricted Working Space, Add</i>	4.51	
<i>For Installation Above 14', Add</i>	2.26	
26 05 33 13-0819 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	55.82	6.62
<i>For Work In Restricted Working Space, Add</i>	4.96	
<i>For Installation Above 14', Add</i>	2.48	
26 05 33 13-0820 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	65.57	7.52
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0821 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	82.02	8.12
<i>For Work In Restricted Working Space, Add</i>	6.09	
<i>For Installation Above 14', Add</i>	3.04	
26 05 33 13-0822 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	108.60	9.02
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0823 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	152.00	9.93
<i>For Work In Restricted Working Space, Add</i>	7.44	
<i>For Installation Above 14', Add</i>	3.72	
26 05 33 13-0824 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	233.97	12.03
<i>For Work In Restricted Working Space, Add</i>	9.02	
<i>For Installation Above 14', Add</i>	4.51	
26 05 33 13-0825 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	286.39	15.04
<i>For Work In Restricted Working Space, Add</i>	11.28	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0826 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	344.41	18.04
<i>For Work In Restricted Working Space, Add</i>	13.53	
<i>For Installation Above 14', Add</i>	6.77	
26 05 33 13-0827 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	404.29	19.54
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Installation Above 14', Add</i>	7.33	
26 05 33 13-0828 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0730)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829 EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	16.42	6.02
For Work In Restricted Working Space, Add	4.51	
For Installation Above 14', Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.51	
26 05 33 13-0830 EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	20.87	7.52
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0831 EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	25.63	9.02
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 33 13-0832 EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	30.65	10.53
For Work In Restricted Working Space, Add	7.89	
For Installation Above 14', Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-0833 EA 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	35.66	12.03
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.02	
26 05 33 13-0834 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	41.90	13.54
For Work In Restricted Working Space, Add	10.15	
For Installation Above 14', Add	5.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 05 33 13-0835 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	51.13	15.04
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.28	
26 05 33 13-0836 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	59.59	16.53
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-0837 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	72.51	19.54
For Work In Restricted Working Space, Add	14.66	
For Installation Above 14', Add	7.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.66	
26 05 33 13-0838 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	82.46	21.04
For Work In Restricted Working Space, Add	15.79	
For Installation Above 14', Add	7.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-0839 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0730)		
26 05 33 13-0840 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	89.94	12.03
For Work In Restricted Working Space, Add	9.02	
For Installation Above 14', Add	4.51	
26 05 33 13-0841 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	99.68	13.54
For Work In Restricted Working Space, Add	10.15	
For Installation Above 14', Add	5.07	
26 05 33 13-0842 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting.....	110.77	15.04
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
26 05 33 13-0843 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	132.64	16.53
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.20	
26 05 33 13-0844 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	160.89	18.04
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
26 05 33 13-0845 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	208.54	19.54
For Work In Restricted Working Space, Add	14.66	
For Installation Above 14', Add	7.33	
26 05 33 13-0846 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	310.95	24.05
For Work In Restricted Working Space, Add	18.04	
For Installation Above 14', Add	9.02	
26 05 33 13-0847 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting.....	374.66	30.07
For Work In Restricted Working Space, Add	22.55	
For Installation Above 14', Add	11.28	
26 05 33 13-0848 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	518.06	36.08
For Work In Restricted Working Space, Add	27.06	
For Installation Above 14', Add	13.53	
26 05 33 13-0849 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	597.24	39.09
For Work In Restricted Working Space, Add	29.31	
For Installation Above 14', Add	14.66	
26 05 33 13-0850 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0730)		
26 05 33 13-0851 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	60.62	18.79
For Work In Restricted Working Space, Add	11.28	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.28	
26 05 33 13-0852 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	72.16	22.55
For Work In Restricted Working Space, Add	13.53	
For Installation Above 14', Add	6.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0853 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	87.39	26.31
<i>For Work In Restricted Working Space, Add</i>	15.79	
<i>For Installation Above 14', Add</i>	7.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79	
26 05 33 13-0854 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	102.36	30.07
<i>For Work In Restricted Working Space, Add</i>	18.04	
<i>For Installation Above 14', Add</i>	9.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 05 33 13-0855 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	131.23	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
<i>For Installation Above 14', Add</i>	10.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.30	
26 05 33 13-0856 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	157.53	37.59
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Installation Above 14', Add</i>	11.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 05 33 13-0857 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	218.16	45.11
<i>For Work In Restricted Working Space, Add</i>	27.06	
<i>For Installation Above 14', Add</i>	13.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.06	
26 05 33 13-0858 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	261.54	52.62
<i>For Work In Restricted Working Space, Add</i>	31.57	
<i>For Installation Above 14', Add</i>	15.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57	
26 05 33 13-0859 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	571.06	60.14
<i>For Work In Restricted Working Space, Add</i>	36.08	
<i>For Installation Above 14', Add</i>	18.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.08	
26 05 33 13-0860 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	657.03	67.66
<i>For Work In Restricted Working Space, Add</i>	40.59	
<i>For Installation Above 14', Add</i>	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.59	
26 05 33 13-0861 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0730)</small>		
26 05 33 13-0862 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	9.80	3.61
<i>For Work In Restricted Working Space, Add</i>	2.70	
<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0863 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	13.73	5.11
<i>For Work In Restricted Working Space, Add</i>	3.83	
<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0864 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling.....	17.94	6.62
<i>For Work In Restricted Working Space, Add</i>	4.96	
<i>For Installation Above 14', Add</i>	2.48	
26 05 33 13-0865 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	20.58	7.52
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0866 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	24.78	9.02
<i>For Work In Restricted Working Space, Add</i>	6.76	
<i>For Installation Above 14', Add</i>	3.38	
26 05 33 13-0867 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	28.53	10.23
<i>For Work In Restricted Working Space, Add</i>	7.67	
<i>For Installation Above 14', Add</i>	3.84	
26 05 33 13-0868 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	35.10	11.43
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Installation Above 14', Add</i>	4.28	
26 05 33 13-0869 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling.....	41.26	12.93
<i>For Work In Restricted Working Space, Add</i>	9.70	
<i>For Installation Above 14', Add</i>	4.85	
26 05 33 13-0870 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	47.29	14.14
<i>For Work In Restricted Working Space, Add</i>	10.60	
<i>For Installation Above 14', Add</i>	5.30	
26 05 33 13-0871 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	49.63	15.04
<i>For Work In Restricted Working Space, Add</i>	11.27	
<i>For Installation Above 14', Add</i>	5.64	
26 05 33 13-0872 Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0730)</small>		
26 05 33 13-0873 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing.....	4.64	1.50
<i>For Work In Restricted Working Space, Add</i>	1.13	
<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0874 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing.....	5.14	1.50
<i>For Work In Restricted Working Space, Add</i>	1.13	
<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small>		
Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0876			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0875)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0877	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	9.54	2.11
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.58	
			For >1,000, Deduct	-0.82	
			For Installation Above 14', Add	0.79	
			For Work In Restricted Working Space, Add	1.58	
26 05 33 13-0878	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	10.98	2.41
			For >250 To 500, Deduct	-0.40	
			For >500 To 1,000, Deduct	-0.67	
			For >1,000, Deduct	-0.95	
			For Installation Above 14', Add	0.90	
			For Work In Restricted Working Space, Add	1.81	
26 05 33 13-0879	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	13.94	3.01
			For >250 To 500, Deduct	-0.51	
			For >500 To 1,000, Deduct	-0.86	
			For >1,000, Deduct	-1.21	
			For Installation Above 14', Add	1.13	
			For Work In Restricted Working Space, Add	2.26	
26 05 33 13-0880	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	17.16	3.61
			For >250 To 500, Deduct	-0.63	
			For >500 To 1,000, Deduct	-1.06	
			For >1,000, Deduct	-1.49	
			For Installation Above 14', Add	1.35	
			For Work In Restricted Working Space, Add	2.71	
26 05 33 13-0881	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	21.18	4.51
			For >250 To 500, Deduct	-0.78	
			For >500 To 1,000, Deduct	-1.31	
			For >1,000, Deduct	-1.84	
			For Installation Above 14', Add	1.69	
			For Work In Restricted Working Space, Add	3.38	
26 05 33 13-0882	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	26.44	5.41
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.64	
			For >1,000, Deduct	-2.31	
			For Installation Above 14', Add	2.03	
			For Work In Restricted Working Space, Add	4.06	
26 05 33 13-0883	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	35.35	6.32
			For >250 To 500, Deduct	-1.37	
			For >500 To 1,000, Deduct	-2.26	
			For >1,000, Deduct	-3.14	
			For Installation Above 14', Add	2.37	
			For Work In Restricted Working Space, Add	4.74	
26 05 33 13-0884	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	44.20	7.82
			For >250 To 500, Deduct	-1.72	
			For >500 To 1,000, Deduct	-2.83	
			For >1,000, Deduct	-3.93	
			For Installation Above 14', Add	2.93	
			For Work In Restricted Working Space, Add	5.86	
26 05 33 13-0885	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	54.22	9.62
			For >250 To 500, Deduct	-2.11	
			For >500 To 1,000, Deduct	-3.47	
			For >1,000, Deduct	-4.82	
			For Installation Above 14', Add	3.61	
			For Work In Restricted Working Space, Add	7.22	
26 05 33 13-0886	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	64.12	11.43
			For >250 To 500, Deduct	-2.49	
			For >500 To 1,000, Deduct	-4.10	
			For >1,000, Deduct	-5.70	
			For Installation Above 14', Add	4.28	
			For Work In Restricted Working Space, Add	8.57	
26 05 33 13-0887	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	96.85	13.54
			For >250 To 500, Deduct	-4.00	
			For >500 To 1,000, Deduct	-6.42	
			For >1,000, Deduct	-8.84	
			For Installation Above 14', Add	5.07	
			For Work In Restricted Working Space, Add	10.15	
26 05 33 13-0888	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	131.48	18.04
			For >250 To 500, Deduct	-5.45	
			For >500 To 1,000, Deduct	-8.73	
			For >1,000, Deduct	-12.02	
			For Installation Above 14', Add	6.77	
			For Work In Restricted Working Space, Add	13.53	

26 05 33 13-0889			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0875)</small>		
26 05 33 13-0890	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	10.39	2.93
			For Installation Above 14', Add	0.88	
			For Work In Restricted Working Space, Add	1.76	
26 05 33 13-0891	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	12.56	3.91
			For Installation Above 14', Add	1.17	
			For Work In Restricted Working Space, Add	2.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0892 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	15.93 1.47 2.93	4.88
26 05 33 13-0893 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	17.92 1.61 3.23	5.37
26 05 33 13-0894 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	21.23 1.91 3.81	6.36
26 05 33 13-0895 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	27.14 2.20 4.40	7.33
26 05 33 13-0896 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	48.47 2.64 5.28	8.79
26 05 33 13-0897 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	61.93 3.66 7.33	12.21
26 05 33 13-0898 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	76.45 4.25 8.50	14.17
26 05 33 13-0899 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	95.34 5.86 11.73	19.54
26 05 33 13-0900 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	237.06 8.06 16.13	26.87
26 05 33 13-0901 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	235.07 4.55 9.09	15.15
26 05 33 13-0902 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows <small>(26 05 33 13-0875)</small> Note: 90, 45, or 30 degree.		
26 05 33 13-0903 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	40.27 3.66 7.33	12.21
26 05 33 13-0904 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	46.75 4.55 9.09	15.15
26 05 33 13-0905 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	56.00 5.57 11.14	18.57
26 05 33 13-0906 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	66.18 6.45 12.90	21.50
26 05 33 13-0907 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	77.35 7.33 14.66	24.43
26 05 33 13-0908 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	93.50 8.06 16.13	26.87
26 05 33 13-0909 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	142.32 10.11 20.23	33.72
26 05 33 13-0910 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	211.54 13.78 27.56	45.93
26 05 33 13-0911 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	260.63 15.54 31.08	51.79
26 05 33 13-0912 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	300.86 20.23 40.46	67.42
26 05 33 13-0913 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	619.92 32.98 65.96	109.93
26 05 33 13-0914 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	973.33 49.55 99.09	165.15
26 05 33 13-0915 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0875)</small>		
26 05 33 13-0916 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	93.34 5.57 11.14	18.57
26 05 33 13-0917 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	105.16 6.45 12.90	21.50
26 05 33 13-0918 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	120.03 7.33 14.66	24.43

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0919	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	142.75 8.06 16.13	26.87
26 05 33	13-0920	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	198.06 10.11 20.23	33.72
26 05 33 13-0921 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows ^(26 05 33 13-0875)					
26 05 33	13-0922	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	103.44 5.57 11.14	18.57
26 05 33	13-0923	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	121.85 6.45 12.90	21.50
26 05 33	13-0924	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	132.00 7.33 14.66	24.43
26 05 33	13-0925	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	168.84 8.06 16.13	26.87
26 05 33	13-0926	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	223.21 10.11 20.23	33.72
26 05 33	13-0927	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	286.14 13.78 27.56	45.93
26 05 33 13-0928 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows ^(26 05 33 13-0875)					
26 05 33	13-0929	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	115.51 5.57 11.14	18.57
26 05 33	13-0930	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	130.54 6.45 12.90	21.50
26 05 33	13-0931	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	147.35 7.33 14.66	24.43
26 05 33	13-0932	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	177.49 8.06 16.13	26.87
26 05 33	13-0933	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	252.12 10.11 20.23	33.72
26 05 33	13-0934	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	320.08 13.78 27.56	45.93
26 05 33	13-0935	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	402.75 15.54 31.08	51.79
26 05 33	13-0936	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	455.70 20.23 40.46	67.42
26 05 33 13-0937 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows ^(26 05 33 13-0875)					
26 05 33	13-0938	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	136.37 5.57 11.14	18.57
26 05 33	13-0939	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	150.94 6.45 12.90	21.50
26 05 33	13-0940	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	170.51 7.33 14.66	24.43
26 05 33	13-0941	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.84 8.06 16.13	26.87
26 05 33	13-0942	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	303.85 10.11 20.23	33.72
26 05 33	13-0943	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	377.58 13.78 27.56	45.93
26 05 33	13-0944	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	437.86 15.54 31.08	51.79
26 05 33	13-0945	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	520.15 20.23 40.46	67.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0946 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0875)</small>		
26 05 33 13-0947 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	152.59	18.57
<i>For Installation Above 14', Add</i>		
		5.57
<i>For Work In Restricted Working Space, Add</i>		
		11.14
26 05 33 13-0948 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	169.92	21.50
<i>For Installation Above 14', Add</i>		
		6.45
<i>For Work In Restricted Working Space, Add</i>		
		12.90
26 05 33 13-0949 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	193.30	24.43
<i>For Installation Above 14', Add</i>		
		7.33
<i>For Work In Restricted Working Space, Add</i>		
		14.66
26 05 33 13-0950 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	239.87	26.87
<i>For Installation Above 14', Add</i>		
		8.06
<i>For Work In Restricted Working Space, Add</i>		
		16.13
26 05 33 13-0951 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	332.08	33.72
<i>For Installation Above 14', Add</i>		
		10.11
<i>For Work In Restricted Working Space, Add</i>		
		20.23
26 05 33 13-0952 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	423.57	45.93
<i>For Installation Above 14', Add</i>		
		13.78
<i>For Work In Restricted Working Space, Add</i>		
		27.56
26 05 33 13-0953 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	523.22	51.79
<i>For Installation Above 14', Add</i>		
		15.54
<i>For Work In Restricted Working Space, Add</i>		
		31.08
26 05 33 13-0954 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	579.32	67.42
<i>For Installation Above 14', Add</i>		
		20.23
<i>For Work In Restricted Working Space, Add</i>		
		40.46
26 05 33 13-0955 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	965.31	109.93
<i>For Installation Above 14', Add</i>		
		32.98
<i>For Work In Restricted Working Space, Add</i>		
		65.96
26 05 33 13-0956 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0875)</small>		
26 05 33 13-0957 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	173.82	18.57
<i>For Installation Above 14', Add</i>		
		5.57
<i>For Work In Restricted Working Space, Add</i>		
		11.14
26 05 33 13-0958 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	192.87	21.50
<i>For Installation Above 14', Add</i>		
		6.45
<i>For Work In Restricted Working Space, Add</i>		
		12.90
26 05 33 13-0959 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	218.29	24.43
<i>For Installation Above 14', Add</i>		
		7.33
<i>For Work In Restricted Working Space, Add</i>		
		14.66
26 05 33 13-0960 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	272.07	26.87
<i>For Installation Above 14', Add</i>		
		8.06
<i>For Work In Restricted Working Space, Add</i>		
		16.13
26 05 33 13-0961 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	379.12	33.72
<i>For Installation Above 14', Add</i>		
		10.11
<i>For Work In Restricted Working Space, Add</i>		
		20.23
26 05 33 13-0962 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	482.16	45.93
<i>For Installation Above 14', Add</i>		
		13.78
<i>For Work In Restricted Working Space, Add</i>		
		27.56
26 05 33 13-0963 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	565.99	51.79
<i>For Installation Above 14', Add</i>		
		15.54
<i>For Work In Restricted Working Space, Add</i>		
		31.08
26 05 33 13-0964 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	655.69	67.42
<i>For Installation Above 14', Add</i>		
		20.23
<i>For Work In Restricted Working Space, Add</i>		
		40.46
26 05 33 13-0965 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,018.84	109.93
<i>For Installation Above 14', Add</i>		
		32.98
<i>For Work In Restricted Working Space, Add</i>		
		65.96
26 05 33 13-0966 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,396.29	165.15
<i>For Installation Above 14', Add</i>		
		49.55
<i>For Work In Restricted Working Space, Add</i>		
		99.09
26 05 33 13-0967 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0875)</small>		
26 05 33 13-0968 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	203.36	18.57
<i>For Installation Above 14', Add</i>		
		5.57
<i>For Work In Restricted Working Space, Add</i>		
		11.14
26 05 33 13-0969 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	213.32	21.50
<i>For Installation Above 14', Add</i>		
		6.45
<i>For Work In Restricted Working Space, Add</i>		
		12.90
26 05 33 13-0970 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	251.73	24.43
<i>For Installation Above 14', Add</i>		
		7.33
<i>For Work In Restricted Working Space, Add</i>		
		14.66
26 05 33 13-0971 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	316.89	26.87
<i>For Installation Above 14', Add</i>		
		8.06
<i>For Work In Restricted Working Space, Add</i>		
		16.13
26 05 33 13-0972 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	442.55	33.72
<i>For Installation Above 14', Add</i>		
		10.11
<i>For Work In Restricted Working Space, Add</i>		
		20.23

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	561.16	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0974 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	684.90	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0975 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	804.28	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0976 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,193.44	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-0977 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,476.44	165.15
<i>For Installation Above 14', Add</i>	49.55	
<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-0978 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0975)</small>		
26 05 33 13-0979 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	210.48	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-0980 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	247.91	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-0981 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	280.66	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-0982 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	330.38	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-0983 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	458.39	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-0984 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	585.45	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-0985 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	749.66	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-0986 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	837.98	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-0987 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,240.34	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-0988 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,517.16	165.15
<i>For Installation Above 14', Add</i>	49.55	
<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-0989 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fittings <small>(26 05 33 13-0975)</small>		
26 05 33 13-0990 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	77.70	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-0991 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	95.07	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0992 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	126.85	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-0993 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	208.65	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-0994 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	230.37	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-0995 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	291.21	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-0996 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	794.81	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0997 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	948.46	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-0998 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,259.97	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-0999 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings <small>(26 05 33 13-0875)</small>		
26 05 33 13-1000 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	74.46	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1001 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	91.41	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1002 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	126.85	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1003 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	206.77	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1004 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	222.77	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1005 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	291.30	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1006 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	762.41	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1007 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	924.82	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1008 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,259.92	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1009 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings <small>(26 05 33 13-0875)</small>		
26 05 33 13-1010 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	67.29	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1011 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	80.53	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1012 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	95.04	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1013 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	135.18	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1014 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	157.94	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1015 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	244.45	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1016 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	672.19	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1017	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting .....756.29	756.29	45.93
			<i>For Installation Above 14', Add</i>	13.78	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1018	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting .....965.46	965.46	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1019			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0875)</small>		
26 05 33 13-1020	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....115.26	115.26	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1021	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....173.81	173.81	16.12
			<i>For Installation Above 14', Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	9.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1022	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....218.58	218.58	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1023	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....252.30	252.30	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1024	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....286.55	286.55	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1025	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....377.30	377.30	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1026	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....1,189.20	1,189.20	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1027	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....1,388.30	1,388.30	45.93
			<i>For Installation Above 14', Add</i>	13.78	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1028	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting .....1,706.52	1,706.52	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1029			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0875)</small>		
26 05 33 13-1030	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....127.99	127.99	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1031	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....185.83	185.83	16.12
			<i>For Installation Above 14', Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	9.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1032	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....220.87	220.87	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1033	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting .....256.07	256.07	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1034 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	296.88	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1035 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	468.15	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1036 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,326.27	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1037 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,866.87	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1038 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,948.78	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1039 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fittings <small>(26 05 33 13-0875)</small>		
26 05 33 13-1040 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	101.23	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1041 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	127.71	16.12
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1042 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	153.03	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-1043 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	169.54	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90	
26 05 33 13-1044 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	228.46	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 05 33 13-1045 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	323.15	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1046 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,075.66	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1047 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,210.77	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 05 33 13-1048 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,438.47	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 33 13-1049 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Bodies <small>(26 05 33 13-0875)</small>		
Note: Includes covers.		
26 05 33 13-1050 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body	91.27	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1051 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	102.94	26.87
For Installation Above 14', Add	8.06	
For Work In Restricted Working Space, Add	16.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.13	
26 05 33 13-1052 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	127.39	30.78
For Installation Above 14', Add	9.24	
For Work In Restricted Working Space, Add	18.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-1053 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	166.88	35.67
For Installation Above 14', Add	10.70	
For Work In Restricted Working Space, Add	21.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.40	
26 05 33 13-1054 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	194.86	39.09
For Installation Above 14', Add	11.73	
For Work In Restricted Working Space, Add	23.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.45	
26 05 33 13-1055 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	265.83	46.91
For Installation Above 14', Add	14.07	
For Work In Restricted Working Space, Add	28.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.14	
26 05 33 13-1056 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	447.61	65.96
For Installation Above 14', Add	19.79	
For Work In Restricted Working Space, Add	39.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.58	
26 05 33 13-1057 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	573.02	87.95
For Installation Above 14', Add	26.39	
For Work In Restricted Working Space, Add	52.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.77	
26 05 33 13-1058 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	796.84	109.93
For Installation Above 14', Add	32.98	
For Work In Restricted Working Space, Add	65.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.96	
26 05 33 13-1059 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type C, LB, LR, LL Two Hub Conduit Body.....	914.49	133.88
For Installation Above 14', Add	40.16	
For Work In Restricted Working Space, Add	80.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.33	
26 05 33 13-1060 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Bodies (26 05 33 13-0875)		
Note: Includes covers.		
26 05 33 13-1061 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	119.24	30.78
For Installation Above 14', Add	9.23	
For Work In Restricted Working Space, Add	18.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-1062 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	135.95	34.20
For Installation Above 14', Add	10.26	
For Work In Restricted Working Space, Add	20.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.52	
26 05 33 13-1063 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	166.22	37.63
For Installation Above 14', Add	11.29	
For Work In Restricted Working Space, Add	22.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.57	
26 05 33 13-1064 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	223.84	43.00
For Installation Above 14', Add	12.90	
For Work In Restricted Working Space, Add	25.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.80	
26 05 33 13-1065 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	264.68	46.91
For Installation Above 14', Add	14.07	
For Work In Restricted Working Space, Add	28.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.14	
26 05 33 13-1066 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type X Four Hub Conduit Body.....	360.75	57.66
For Installation Above 14', Add	17.30	
For Work In Restricted Working Space, Add	34.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.60	
26 05 33 13-1067 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Bodies (26 05 33 13-0875)		
Note: Includes covers.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1068 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	104.96	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1069 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	119.73	31.27
<i>For Installation Above 14', Add</i>	9.38	
<i>For Work In Restricted Working Space, Add</i>	18.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.76	
26 05 33 13-1070 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	145.03	34.20
<i>For Installation Above 14', Add</i>	10.26	
<i>For Work In Restricted Working Space, Add</i>	20.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.52	
26 05 33 13-1071 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	186.04	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1072 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	220.70	43.00
<i>For Installation Above 14', Add</i>	12.90	
<i>For Work In Restricted Working Space, Add</i>	25.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.80	
26 05 33 13-1073 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	296.25	50.33
<i>For Installation Above 14', Add</i>	15.10	
<i>For Work In Restricted Working Space, Add</i>	30.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.20	
26 05 33 13-1074 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	477.00	73.29
<i>For Installation Above 14', Add</i>	21.99	
<i>For Work In Restricted Working Space, Add</i>	43.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.98	
26 05 33 13-1075 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	631.46	95.28
<i>For Installation Above 14', Add</i>	28.58	
<i>For Work In Restricted Working Space, Add</i>	57.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 05 33 13-1076 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	868.26	117.26
<i>For Installation Above 14', Add</i>	35.18	
<i>For Work In Restricted Working Space, Add</i>	70.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.36	
26 05 33 13-1077 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Type T Or TB Three Hub Conduit Body.....	969.94	141.21
<i>For Installation Above 14', Add</i>	42.36	
<i>For Work In Restricted Working Space, Add</i>	84.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.73	
26 05 33 13-1078 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Covers <small>(26 05 33 13-0875)</small>		
26 05 33 13-1079 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	17.48	2.93
<i>For Installation Above 14', Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-1080 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	19.66	3.42
<i>For Installation Above 14', Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1081 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	25.61	4.40
<i>For Installation Above 14', Add</i>	1.32	
<i>For Work In Restricted Working Space, Add</i>	2.64	
26 05 33 13-1082 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	32.81	5.37
<i>For Installation Above 14', Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-1083 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	36.89	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1084 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	45.41	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1085 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	58.19	8.30
<i>For Installation Above 14', Add</i>	2.49	
<i>For Work In Restricted Working Space, Add</i>	4.98	
26 05 33 13-1086 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	65.03	11.73
<i>For Installation Above 14', Add</i>	3.52	
<i>For Work In Restricted Working Space, Add</i>	7.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1087	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	78.52	13.19
			<i>For Installation Above 14', Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
26 05 33 13-1088	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Conduit Body Cover.....	85.36	16.61
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
26 05 33 13-1089 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies (26 05 33 13-0875)					
26 05 33 13-1090	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	103.20	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	
26 05 33 13-1091	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	114.29	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1092	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	133.48	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1093	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	158.43	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1094	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	197.24	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1095	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	239.03	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.14	
26 05 33 13-1096	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	346.17	65.96
			<i>For Installation Above 14', Add</i>	19.79	
			<i>For Work In Restricted Working Space, Add</i>	39.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.58	
26 05 33 13-1097	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	443.86	87.95
			<i>For Installation Above 14', Add</i>	26.39	
			<i>For Work In Restricted Working Space, Add</i>	52.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.77	
26 05 33 13-1098	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	888.31	109.93
			<i>For Installation Above 14', Add</i>	32.98	
			<i>For Work In Restricted Working Space, Add</i>	65.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.96	
26 05 33 13-1099	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,301.01	133.88
			<i>For Installation Above 14', Add</i>	40.16	
			<i>For Work In Restricted Working Space, Add</i>	80.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.33	
26 05 33 13-1100 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies (26 05 33 13-0875)					
26 05 33 13-1101	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	176.47	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	
26 05 33 13-1102	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	190.04	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1103	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	217.01	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1104	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	242.91	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1105	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	294.49	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1106 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	331.54 14.07 28.14 28.14	46.91
26 05 33 13-1107 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	466.46 19.79 39.58 39.58	65.96
26 05 33 13-1108 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	649.86 26.39 52.77 52.77	87.95
26 05 33 13-1109 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	948.13 32.98 65.96 65.96	109.93
26 05 33 13-1110 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,379.29 40.16 80.33 80.33	133.88
26 05 33 13-1111 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0875)</small>		
26 05 33 13-1112 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.20 7.04 14.07 14.07	23.45
26 05 33 13-1113 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.54 8.06 16.13 16.13	26.87
26 05 33 13-1114 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.96 9.24 18.47 18.47	30.78
26 05 33 13-1115 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.95 10.70 21.40 21.40	35.67
26 05 33 13-1116 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	265.40 11.73 23.45 23.45	39.09
26 05 33 13-1117 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	333.30 14.07 28.14 28.14	46.91
26 05 33 13-1118 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	517.61 19.79 39.58 39.58	65.96
26 05 33 13-1119 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	753.93 26.39 52.77 52.77	87.95
26 05 33 13-1120 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	948.13 32.98 65.96 65.96	109.93
26 05 33 13-1121 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0875)</small>		
26 05 33 13-1122 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.82 7.04 14.07 14.07	23.45
26 05 33 13-1123 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.31 8.06 16.13 16.13	26.87
26 05 33 13-1124 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.97 9.24 18.47 18.47	30.78

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1125	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	316.80	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1126	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	440.38	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1127	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	527.78	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.14	
26 05 33 13-1128 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings (26 05 33 13-0875)					
26 05 33 13-1129	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	35.93	9.39
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
26 05 33 13-1130	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	47.67	11.28
			<i>For Installation Above 14', Add</i>	3.38	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
26 05 33 13-1131	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	60.57	15.04
			<i>For Installation Above 14', Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	9.02	
26 05 33 13-1132	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	83.36	18.79
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
26 05 33 13-1133	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	109.41	22.55
			<i>For Installation Above 14', Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33 13-1134	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	188.58	26.31
			<i>For Installation Above 14', Add</i>	7.89	
			<i>For Work In Restricted Working Space, Add</i>	15.79	
26 05 33 13-1135	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	274.20	30.07
			<i>For Installation Above 14', Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	18.04	
26 05 33 13-1136	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	342.16	33.83
			<i>For Installation Above 14', Add</i>	10.15	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
26 05 33 13-1137	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	476.41	39.46
			<i>For Installation Above 14', Add</i>	11.84	
			<i>For Work In Restricted Working Space, Add</i>	23.68	
26 05 33 13-1138	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	578.49	45.11
			<i>For Installation Above 14', Add</i>	13.53	
			<i>For Work In Restricted Working Space, Add</i>	27.06	
26 05 33 13-1139	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	925.91	71.41
			<i>For Installation Above 14', Add</i>	21.42	
			<i>For Work In Restricted Working Space, Add</i>	42.85	
26 05 33 13-1140	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,265.47	109.00
			<i>For Installation Above 14', Add</i>	32.70	
			<i>For Work In Restricted Working Space, Add</i>	65.40	
26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows (26 05 33 13-0875)					
26 05 33 13-1142	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	133.15	23.45
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1143	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	157.44	25.90
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
26 05 33 13-1144	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	173.69	30.78
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1145	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	249.75	35.67
			<i>For Installation Above 14', Add</i>	10.70	
			<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1146	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	329.60	39.09
			<i>For Installation Above 14', Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1147	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	355.67	46.91
			<i>For Installation Above 14', Add</i>	14.07	
			<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1148	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	840.93	64.99
			<i>For Installation Above 14', Add</i>	19.50	
			<i>For Work In Restricted Working Space, Add</i>	38.99	
26 05 33 13-1149	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	887.02	87.95
			<i>For Installation Above 14', Add</i>	26.39	
			<i>For Work In Restricted Working Space, Add</i>	52.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1150 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,451.65 32.98 65.97	109.93
26 05 33 13-1151 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,511.49 40.17 80.33	133.88
26 05 33 13-1152 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows (26 05 33 13-0875)		
26 05 33 13-1153 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	194.53 7.04 14.07	23.45
26 05 33 13-1154 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	221.60 8.06 16.13	26.87
26 05 33 13-1155 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	437.73 9.24 18.47	30.78
26 05 33 13-1156 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	459.11 10.70 21.40	35.67
26 05 33 13-1157 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	627.83 11.73 23.45	39.09
26 05 33 13-1158 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	669.53 14.07 28.14	46.91
26 05 33 13-1159 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,287.95 19.79 39.58	65.96
26 05 33 13-1160 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,354.78 26.39 52.77	87.95
26 05 33 13-1161 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,985.21 32.98 65.96	109.93
26 05 33 13-1162 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	2,247.68 40.16 80.33	133.88
26 05 33 13-1163 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0875)		
26 05 33 13-1164 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	74.54 3.66 7.33	12.21
26 05 33 13-1165 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	86.72 4.55 9.09	15.15
26 05 33 13-1166 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	103.29 5.57 11.14	18.57
26 05 33 13-1167 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	121.94 6.45 12.90	21.50
26 05 33 13-1168 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0875)		
26 05 33 13-1169 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	58.55 3.66 7.33	12.21
26 05 33 13-1170 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	67.53 4.55 9.09	15.15

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	93.94	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1172	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	122.01	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1173	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	148.79	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-1174	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	214.41	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1175	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	293.17	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1176			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0875)</small>		
26 05 33 13-1177	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	74.57	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1178	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	88.93	15.15
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-1179	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	103.31	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1180	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	121.98	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1181			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0875)</small>		
26 05 33 13-1182	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	58.60	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1183	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	67.53	15.15
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-1184	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	87.32	18.57
			<i>For Installation Above 14', Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1185	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	109.15	21.50
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1186	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	127.85	24.43
			<i>For Installation Above 14', Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-1187	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	147.32	26.87
			<i>For Installation Above 14', Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1188	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	276.06	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1189	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	316.00	45.93
			<i>For Installation Above 14', Add</i>	13.78	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-1190	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	340.81	51.79
			<i>For Installation Above 14', Add</i>	15.54	
			<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-1191	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	420.27	67.42
			<i>For Installation Above 14', Add</i>	20.23	
			<i>For Work In Restricted Working Space, Add</i>	40.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0875)</small>		
26 05 33 13-1193 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	122.79	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.07	
26 05 33 13-1194 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	132.62	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1195 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	145.10	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1196 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	195.18	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.40	
26 05 33 13-1197 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	248.70	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-1198 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0875)</small>		
26 05 33 13-1199 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	148.13	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1200 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	159.51	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1201 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	186.48	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1202 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	267.00	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1203 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	434.81	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1204 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	469.55	46.91
<i>For Installation Above 14', Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1205 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0875)</small>		
26 05 33 13-1206 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	162.51	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1207 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	183.49	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1208 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	200.17	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1209 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	280.91	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1210 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	467.97	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1211 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	499.99	46.91
<i>For Installation Above 14', Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	28.14	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1212		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0875)</small>		
26 05 33 13-1213	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	162.62	23.45
		<i>For Installation Above 14', Add</i>	7.04	
		<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1214	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	179.25	26.87
		<i>For Installation Above 14', Add</i>	8.06	
		<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1215	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	213.37	30.78
		<i>For Installation Above 14', Add</i>	9.24	
		<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1216	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	291.50	35.67
		<i>For Installation Above 14', Add</i>	10.70	
		<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1217	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	483.78	39.09
		<i>For Installation Above 14', Add</i>	11.73	
		<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1218	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	519.48	46.91
		<i>For Installation Above 14', Add</i>	14.07	
		<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1219		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0875)</small>		
26 05 33 13-1220	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	202.43	23.45
		<i>For Installation Above 14', Add</i>	7.04	
		<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1221	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	223.50	26.87
		<i>For Installation Above 14', Add</i>	8.06	
		<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1222	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	242.15	30.78
		<i>For Installation Above 14', Add</i>	9.24	
		<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1223	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	613.22	35.67
		<i>For Installation Above 14', Add</i>	10.70	
		<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1224		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes <small>(26 05 33 13-0875)</small>		
		Note: Excludes cover.		
26 05 33 13-1225	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	96.29	23.45
		<i>For Installation Above 14', Add</i>	7.04	
		<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1226	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	105.80	26.87
		<i>For Installation Above 14', Add</i>	8.06	
		<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	118.08	30.78
		<i>For Installation Above 14', Add</i>	9.24	
		<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1228	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	107.08	23.45
		<i>For Installation Above 14', Add</i>	7.04	
		<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1229	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	115.24	26.87
		<i>For Installation Above 14', Add</i>	8.06	
		<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1230	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	131.20	30.78
		<i>For Installation Above 14', Add</i>	9.24	
		<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1231		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0875)</small>		
		Note: Excludes cover.		
26 05 33 13-1232	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	101.39	23.45
		<i>For Installation Above 14', Add</i>	7.04	
		<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1233	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	111.54	26.87
		<i>For Installation Above 14', Add</i>	8.06	
		<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1234	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	122.05	30.78
		<i>For Installation Above 14', Add</i>	9.24	
		<i>For Work In Restricted Working Space, Add</i>	18.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1235 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	114.38	23.45
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.07	
26 05 33 13-1236 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	124.66	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1237 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	140.89	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1238 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers		
<small>(26 05 33 13-0875)</small>		
26 05 33 13-1239 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	36.42	2.93
<i>For Installation Above 14', Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-1240 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	49.58	3.42
<i>For Installation Above 14', Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1241 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	46.78	3.42
<i>For Installation Above 14', Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1242 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	41.54	3.42
<i>For Installation Above 14', Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	2.05	
26 05 33 13-1243 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	203.70	4.88
<i>For Installation Above 14', Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 33 13-1244 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	181.01	4.88
<i>For Installation Above 14', Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 33 13-1245 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies		
<small>(26 05 33 13-0875)</small>		
Note: Includes covers.		
26 05 33 13-1246 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	210.45	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1247 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	236.27	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1248 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	327.18	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1249 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	389.83	46.91
<i>For Installation Above 14', Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1250 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	563.34	65.96
<i>For Installation Above 14', Add</i>	19.79	
<i>For Work In Restricted Working Space, Add</i>	39.58	
26 05 33 13-1251 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	710.39	87.95
<i>For Installation Above 14', Add</i>	26.39	
<i>For Work In Restricted Working Space, Add</i>	52.77	
26 05 33 13-1252 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,043.04	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-1253 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,294.44	133.88
<i>For Installation Above 14', Add</i>	40.16	
<i>For Work In Restricted Working Space, Add</i>	80.33	
26 05 33 13-1254 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	210.45	30.78
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.47	
26 05 33 13-1255 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	236.27	35.67
<i>For Installation Above 14', Add</i>	10.70	
<i>For Work In Restricted Working Space, Add</i>	21.40	
26 05 33 13-1256 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	326.27	39.09
<i>For Installation Above 14', Add</i>	11.73	
<i>For Work In Restricted Working Space, Add</i>	23.45	
26 05 33 13-1257 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	380.59	46.91
<i>For Installation Above 14', Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	28.14	
26 05 33 13-1258 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	571.85	65.96
<i>For Installation Above 14', Add</i>	19.79	
<i>For Work In Restricted Working Space, Add</i>	39.58	
26 05 33 13-1259 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	748.55	87.95
<i>For Installation Above 14', Add</i>	26.39	
<i>For Work In Restricted Working Space, Add</i>	52.77	
26 05 33 13-1260 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,089.11	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-1261 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,323.13	133.88
<i>For Installation Above 14', Add</i>	40.16	
<i>For Work In Restricted Working Space, Add</i>	80.33	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1262 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	210.45	30.78
For Installation Above 14', Add	9.24	
For Work In Restricted Working Space, Add	18.47	
26 05 33 13-1263 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	236.27	35.67
For Installation Above 14', Add	10.70	
For Work In Restricted Working Space, Add	21.40	
26 05 33 13-1264 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	326.27	39.09
For Installation Above 14', Add	11.73	
For Work In Restricted Working Space, Add	23.45	
26 05 33 13-1265 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	380.59	46.91
For Installation Above 14', Add	14.07	
For Work In Restricted Working Space, Add	28.14	
26 05 33 13-1266 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	571.85	65.96
For Installation Above 14', Add	19.79	
For Work In Restricted Working Space, Add	39.58	
26 05 33 13-1267 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	748.55	87.95
For Installation Above 14', Add	26.39	
For Work In Restricted Working Space, Add	52.77	
26 05 33 13-1268 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,089.11	109.93
For Installation Above 14', Add	32.98	
For Work In Restricted Working Space, Add	65.96	
26 05 33 13-1269 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,323.13	133.88
For Installation Above 14', Add	40.16	
For Work In Restricted Working Space, Add	80.33	
26 05 33 13-1270 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	210.45	30.78
For Installation Above 14', Add	9.24	
For Work In Restricted Working Space, Add	18.47	
26 05 33 13-1271 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	236.27	35.67
For Installation Above 14', Add	10.70	
For Work In Restricted Working Space, Add	21.40	
26 05 33 13-1272 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	327.18	39.09
For Installation Above 14', Add	11.73	
For Work In Restricted Working Space, Add	23.45	
26 05 33 13-1273 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	385.56	46.91
For Installation Above 14', Add	14.07	
For Work In Restricted Working Space, Add	28.14	
26 05 33 13-1274 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	563.34	65.96
For Installation Above 14', Add	19.79	
For Work In Restricted Working Space, Add	39.58	
26 05 33 13-1275 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	710.39	87.95
For Installation Above 14', Add	26.39	
For Work In Restricted Working Space, Add	52.77	
26 05 33 13-1276 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,043.04	109.93
For Installation Above 14', Add	32.98	
For Work In Restricted Working Space, Add	65.96	
26 05 33 13-1277 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,306.39	133.88
For Installation Above 14', Add	40.16	
For Work In Restricted Working Space, Add	80.33	
26 05 33 13-1278 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0875)		
26 05 33 13-1279 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	105.79	4.40
For Installation Above 14', Add	1.32	
For Work In Restricted Working Space, Add	2.64	
26 05 33 13-1280 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	106.78	4.88
For Installation Above 14', Add	1.47	
For Work In Restricted Working Space, Add	2.93	
26 05 33 13-1281 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	150.95	6.84
For Installation Above 14', Add	2.05	
For Work In Restricted Working Space, Add	4.11	
26 05 33 13-1282 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	152.90	7.82
For Installation Above 14', Add	2.35	
For Work In Restricted Working Space, Add	4.69	
26 05 33 13-1283 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	267.64	9.28
For Installation Above 14', Add	2.79	
For Work In Restricted Working Space, Add	5.57	
26 05 33 13-1284 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	272.52	11.73
For Installation Above 14', Add	3.52	
For Work In Restricted Working Space, Add	7.04	
26 05 33 13-1285 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	410.95	13.19
For Installation Above 14', Add	3.96	
For Work In Restricted Working Space, Add	7.92	
26 05 33 13-1286 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	418.76	17.10
For Installation Above 14', Add	5.13	
For Work In Restricted Working Space, Add	10.26	
26 05 33 13-1287 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings (26 05 33 13-0875)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1288 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	181.69	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1289 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	214.59	15.15
<i>For Installation Above 14', Add</i>	4.55	
<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-1290 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	253.94	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1291 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	312.98	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1292 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	418.87	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-1293 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	580.68	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1294 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	829.79	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1295 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,031.37	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-1296 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,448.43	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-1297 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,668.53	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-1298 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0875)</small>		
26 05 33 13-1299 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	289.42	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1300 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	300.28	15.15
<i>For Installation Above 14', Add</i>	4.55	
<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-1301 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	337.09	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1302 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	408.00	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1303 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	494.73	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-1304 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	632.90	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1305 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	935.00	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1306 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,171.96	45.93
<i>For Installation Above 14', Add</i>	13.78	
<i>For Work In Restricted Working Space, Add</i>	27.56	
26 05 33 13-1307 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,493.81	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-1308 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,869.54	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-1309 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs <small>(26 05 33 13-0875)</small>		
26 05 33 13-1310 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	59.84	5.87
<i>For Installation Above 14', Add</i>	1.76	
<i>For Work In Restricted Working Space, Add</i>	3.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1311	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.80 2.20 4.40 4.40	7.33
26 05 33	13-1312	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.23 2.64 5.28 5.28	8.79
26 05 33	13-1313	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.52 3.23 6.45 6.45	10.75
26 05 33	13-1314	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.49 3.66 7.33 7.33	12.21
26 05 33	13-1315	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.68 4.10 8.21 8.21	13.69
26 05 33	13-1316	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.14 5.13 10.26 10.26	17.10
26 05 33	13-1317	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.17 6.89 13.78 13.78	22.97
26 05 33	13-1318	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.16 7.77 15.54 15.54	25.90
26 05 33	13-1319	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	398.80 10.11 20.23 20.23	33.72
26 05 33	13-1320	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	494.83 16.42 32.84 32.84	54.72
26 05 33	13-1321	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	746.28 24.77 49.55 49.55	82.57
26 05 33	13-1322		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0875)</small>		
26 05 33	13-1323	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.45 1.76 3.52 3.52	5.87
26 05 33	13-1324	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.63 2.20 4.40 4.40	7.33
26 05 33	13-1325	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.73 2.64 5.28 5.28	8.79
26 05 33	13-1326	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.25 3.23 6.45 6.45	10.75
26 05 33	13-1327	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.83 3.66 7.33 7.33	12.21
26 05 33	13-1328	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.34 4.10 8.21 8.21	13.69
26 05 33	13-1329	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.25 5.13 10.26 10.26	17.10
26 05 33	13-1330	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.86 6.89 13.78 13.78	22.97
26 05 33	13-1331	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.69 7.77 15.54 15.54	25.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1332 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	415.10	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1333 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	645.58	54.72
<i>For Installation Above 14', Add</i>	16.42	
<i>For Work In Restricted Working Space, Add</i>	32.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.84	
26 05 33 13-1334 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,056.93	82.57
<i>For Installation Above 14', Add</i>	24.77	
<i>For Work In Restricted Working Space, Add</i>	49.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.55	
26 05 33 13-1335 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0875)</small>		
26 05 33 13-1336 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	97.25	5.87
<i>For Installation Above 14', Add</i>	1.76	
<i>For Work In Restricted Working Space, Add</i>	3.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-1337 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	102.09	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1338 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	109.48	8.79
<i>For Installation Above 14', Add</i>	2.64	
<i>For Work In Restricted Working Space, Add</i>	5.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1339 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	137.74	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1340 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	150.57	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1341 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	159.41	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1342 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0875)</small>		
26 05 33 13-1343 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	71.65	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
26 05 33 13-1344 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	78.38	15.15
<i>For Installation Above 14', Add</i>	4.55	
<i>For Work In Restricted Working Space, Add</i>	9.09	
26 05 33 13-1345 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	101.59	18.57
<i>For Installation Above 14', Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	11.14	
26 05 33 13-1346 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	146.73	21.50
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.90	
26 05 33 13-1347 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	173.98	24.43
<i>For Installation Above 14', Add</i>	7.33	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-1348 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	220.48	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1349 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	293.15	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1350 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	378.62	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
26 05 33 13-1351 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	489.61	51.79
<i>For Installation Above 14', Add</i>	15.54	
<i>For Work In Restricted Working Space, Add</i>	31.08	
26 05 33 13-1352 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	630.52	67.42
<i>For Installation Above 14', Add</i>	20.23	
<i>For Work In Restricted Working Space, Add</i>	40.46	
26 05 33 13-1353 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,146.33	109.93
<i>For Installation Above 14', Add</i>	32.98	
<i>For Work In Restricted Working Space, Add</i>	65.96	
26 05 33 13-1354 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,433.70	165.15
<i>For Installation Above 14', Add</i>	49.55	
<i>For Work In Restricted Working Space, Add</i>	99.09	
26 05 33 13-1355 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0875)</small>		

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1356	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	73.24 3.66 7.33	12.21
26 05 33	13-1357	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	84.45 4.55 9.09	15.15
26 05 33	13-1358	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	104.83 5.57 11.14	18.57
26 05 33	13-1359	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	152.67 6.45 12.90	21.50
26 05 33	13-1360	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	182.23 7.33 14.66	24.43
26 05 33	13-1361	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	238.30 8.06 16.13	26.87
26 05 33	13-1362	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	331.28 10.11 20.23	33.72
26 05 33	13-1363	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	417.39 10.11 20.23	33.72
26 05 33	13-1364	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	559.70 15.54 31.08	51.79
26 05 33	13-1365	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	700.35 20.23 40.46	67.42
26 05 33	13-1366	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,274.33 32.98 65.96	109.93
26 05 33	13-1367	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,640.39 49.55 99.09	165.15
26 05 33 13-1368 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0875)</small>					
26 05 33	13-1369	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	39.76 1.17 2.35	3.91
26 05 33	13-1370	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	43.64 1.47 2.93	4.88
26 05 33	13-1371	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	49.61 1.47 2.93	4.88
26 05 33	13-1372	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	61.28 1.61 3.23	5.37
26 05 33	13-1373	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	64.72 1.61 3.23	5.37
26 05 33	13-1374	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	55.64 1.91 3.81	6.36
26 05 33	13-1375	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	63.32 1.91 3.81	6.36
26 05 33	13-1376	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	97.88 1.91 3.81	6.36
26 05 33	13-1377	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	108.82 2.20 4.40	7.33
26 05 33	13-1378	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	105.84 2.20 4.40	7.33
26 05 33	13-1379	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	111.38 2.20 4.40	7.33
26 05 33	13-1380	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	125.32 2.20 4.40	7.33
26 05 33	13-1381	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	124.50 2.64 5.28	8.79
26 05 33	13-1382	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	158.78 3.66 7.33	12.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1383 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	233.69	14.17
<i>For Installation Above 14', Add</i>	4.25	
<i>For Work In Restricted Working Space, Add</i>	8.50	
26 05 33 13-1384 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	312.68	19.54
<i>For Installation Above 14', Add</i>	5.86	
<i>For Work In Restricted Working Space, Add</i>	11.73	
26 05 33 13-1385 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	391.07	26.87
<i>For Installation Above 14', Add</i>	8.06	
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-1386 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0875)</small>		
26 05 33 13-1387 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	25.12	5.87
<i>For Installation Above 14', Add</i>	1.76	
<i>For Work In Restricted Working Space, Add</i>	3.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-1388 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	28.31	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1389 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.97	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1390 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.21	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1391 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.72	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1392 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	27.81	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1393 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.14	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1394 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.82	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1395 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.17	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1396 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.83	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1397 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.67	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1398 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	27.94	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1399 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.26	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1400 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.05	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1401 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.42	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1402 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.08	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1403 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.33	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1404	EA	1/2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.68 1.91 3.81 3.81	6.36
26 05 33 13-1405	EA	3/4" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.00 2.20 4.40 4.40	7.33
26 05 33 13-1406	EA	1" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.92 2.79 5.57 5.57	9.28
26 05 33 13-1407	EA	1-1/4" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.48 3.23 6.45 6.45	10.75
26 05 33 13-1408	EA	1-1/2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.25 3.66 7.33 7.33	12.21
26 05 33 13-1409	EA	2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.38 4.10 8.21 8.21	13.69
26 05 33 13-1410	EA	2-1/2" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.35 4.98 9.97 9.97	16.61
26 05 33 13-1411	EA	3" x 3-1/2"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.58 6.89 13.78 13.78	22.97
26 05 33 13-1412	EA	1/2" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.80 1.91 3.81 3.81	6.36
26 05 33 13-1413	EA	3/4" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.24 2.20 4.40 4.40	7.33
26 05 33 13-1414	EA	1" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.18 2.79 5.57 5.57	9.28
26 05 33 13-1415	EA	1-1/4" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.54 3.23 6.45 6.45	10.75
26 05 33 13-1416	EA	1-1/2" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.43 3.66 7.33 7.33	12.21
26 05 33 13-1417	EA	2" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.43 4.10 8.21 8.21	13.69
26 05 33 13-1418	EA	2-1/2" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.17 4.98 9.97 9.97	16.61
26 05 33 13-1419	EA	3" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.48 6.89 13.78 13.78	22.97
26 05 33 13-1420	EA	3-1/2" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.83 7.77 15.54 15.54	25.90
26 05 33 13-1421	EA	4" x 4"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.87 10.11 20.23 20.23	33.72
26 05 33 13-1422	EA	1/2" x 5"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.04 1.91 3.81 3.81	6.36
26 05 33 13-1423	EA	3/4" x 5"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.50 2.20 4.40 4.40	7.33
26 05 33 13-1424	EA	1" x 5"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.45 2.79 5.57 5.57	9.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1425 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.04	10.75
For Installation Above 14', Add	3.23	
For Work In Restricted Working Space, Add	6.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-1426 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.94	12.21
For Installation Above 14', Add	3.66	
For Work In Restricted Working Space, Add	7.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.33	
26 05 33 13-1427 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.55	13.69
For Installation Above 14', Add	4.10	
For Work In Restricted Working Space, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.21	
26 05 33 13-1428 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	80.37	16.61
For Installation Above 14', Add	4.98	
For Work In Restricted Working Space, Add	9.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97	
26 05 33 13-1429 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	102.31	22.97
For Installation Above 14', Add	6.89	
For Work In Restricted Working Space, Add	13.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.78	
26 05 33 13-1430 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	116.08	25.90
For Installation Above 14', Add	7.77	
For Work In Restricted Working Space, Add	15.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.54	
26 05 33 13-1431 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	138.20	33.72
For Installation Above 14', Add	10.11	
For Work In Restricted Working Space, Add	20.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.23	
26 05 33 13-1432 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	202.92	46.42
For Installation Above 14', Add	13.92	
For Work In Restricted Working Space, Add	27.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.85	
26 05 33 13-1433 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.50	6.36
For Installation Above 14', Add	1.91	
For Work In Restricted Working Space, Add	3.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.81	
26 05 33 13-1434 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.95	7.33
For Installation Above 14', Add	2.20	
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-1435 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.94	9.28
For Installation Above 14', Add	2.79	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1436 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.95	10.75
For Installation Above 14', Add	3.23	
For Work In Restricted Working Space, Add	6.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-1437 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.04	12.21
For Installation Above 14', Add	3.66	
For Work In Restricted Working Space, Add	7.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.33	
26 05 33 13-1438 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.66	13.69
For Installation Above 14', Add	4.10	
For Work In Restricted Working Space, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.21	
26 05 33 13-1439 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	87.69	16.61
For Installation Above 14', Add	4.98	
For Work In Restricted Working Space, Add	9.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97	
26 05 33 13-1440 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	110.07	22.97
For Installation Above 14', Add	6.89	
For Work In Restricted Working Space, Add	13.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.78	
26 05 33 13-1441 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	123.06	25.90
For Installation Above 14', Add	7.77	
For Work In Restricted Working Space, Add	15.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.54	
26 05 33 13-1442 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	149.98	33.72
For Installation Above 14', Add	10.11	
For Work In Restricted Working Space, Add	20.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.23	
26 05 33 13-1443 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	220.54	46.42
For Installation Above 14', Add	13.92	
For Work In Restricted Working Space, Add	27.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.85	
26 05 33 13-1444 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.21	6.36
For Installation Above 14', Add	1.91	
For Work In Restricted Working Space, Add	3.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.81	
26 05 33 13-1445 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.65	7.33
For Installation Above 14', Add	2.20	
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1446	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....39.04	39.04	9.28
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1447	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....45.19	45.19	10.75
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1448	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....51.27	51.27	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1449	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....61.11	61.11	13.69
			<i>For Installation Above 14', Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1450	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....96.69	96.69	16.61
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33 13-1451	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....120.68	120.68	22.97
			<i>For Installation Above 14', Add</i>	6.89	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1452	EA		3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....140.55	140.55	25.90
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1453	EA		4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....167.67	167.67	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1454	EA		5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....232.62	232.62	46.42
			<i>For Installation Above 14', Add</i>	13.92	
			<i>For Work In Restricted Working Space, Add</i>	27.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	
26 05 33 13-1455	EA		1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....31.96	31.96	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1456	EA		3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....34.38	34.38	7.33
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1457	EA		1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....40.12	40.12	9.28
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1458	EA		1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....48.48	48.48	10.75
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1459	EA		1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....56.57	56.57	12.21
			<i>For Installation Above 14', Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1460	EA		2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....69.13	69.13	13.69
			<i>For Installation Above 14', Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1461	EA		2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....106.21	106.21	16.61
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Work In Restricted Working Space, Add</i>	9.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33 13-1462	EA		3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....134.27	134.27	22.97
			<i>For Installation Above 14', Add</i>	6.89	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1463	EA		3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....158.92	158.92	25.90
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1464	EA		4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....198.63	198.63	33.72
			<i>For Installation Above 14', Add</i>	10.11	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1465	EA		5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....256.71	256.71	46.42
			<i>For Installation Above 14', Add</i>	13.92	
			<i>For Work In Restricted Working Space, Add</i>	27.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	
26 05 33 13-1466	EA		1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....32.73	32.73	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1467 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.24	7.33
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1468 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.86	9.28
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1469 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.90	10.75
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1470 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	62.99	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1471 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	75.56	13.69
<i>For Installation Above 14', Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1472 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	118.90	16.61
<i>For Installation Above 14', Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	9.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.97	
26 05 33 13-1473 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	154.65	22.97
<i>For Installation Above 14', Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	13.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78	
26 05 33 13-1474 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	170.19	25.90
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.54	
26 05 33 13-1475 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	208.12	33.72
<i>For Installation Above 14', Add</i>	10.11	
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1476 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	260.15	46.42
<i>For Installation Above 14', Add</i>	13.92	
<i>For Work In Restricted Working Space, Add</i>	27.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.85	
26 05 33 13-1477 Aluminum Conduit <small>(26 05 33 13-0041)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-1478 Aluminum Conduit With Threaded Coupling <small>(26 05 33 13-1477)</small>		
<i>Note: Includes field bend conduit up to 1".</i>		
26 05 33 13-1479 LF 1/2" Aluminum Conduit With Threaded Coupling.....	4.81	1.50
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33 13-1480 LF 3/4" Aluminum Conduit With Threaded Coupling.....	5.53	1.65
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 33 13-1481 LF 1" Aluminum Conduit With Threaded Coupling.....	6.50	1.80
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-1482 LF 1-1/4" Aluminum Conduit With Threaded Coupling.....	7.49	1.96
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.73	
<i>For Work In Restricted Working Space, Add</i>	1.46	
26 05 33 13-1483 LF 1-1/2" Aluminum Conduit With Threaded Coupling.....	8.50	2.11
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33 13-1484 LF 2" Aluminum Conduit With Threaded Coupling.....	10.35	2.41
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-1485 LF 2-1/2" Aluminum Conduit With Threaded Coupling.....	14.36	3.01
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.13	
<i>For Work In Restricted Working Space, Add</i>	2.26	
26 05 33 13-1486 LF 3" Aluminum Conduit With Threaded Coupling.....	18.01	3.61
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.35	
<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 33 13-1487 LF 3-1/2" Aluminum Conduit With Threaded Coupling.....	22.07	4.51
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	3.38	
26 05 33 13-1488 LF 4" Aluminum Conduit With Threaded Coupling.....	27.07	5.71
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	4.29	
26 05 33 13-1489 LF 5" Aluminum Conduit With Threaded Coupling.....	36.33	7.22
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.71	
<i>For Work In Restricted Working Space, Add</i>	5.41	
26 05 33 13-1490 LF 6" Aluminum Conduit With Threaded Coupling.....	46.62	9.02
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.38	
<i>For Work In Restricted Working Space, Add</i>	6.77	

26 05 33 13-1491 Aluminum 90 Degree Elbows (26 05 33 13-1477)

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1492 EA 1" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	30.68 5.86	7.82
26 05 33 13-1493 EA 1-1/4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	39.88 6.65	8.87
26 05 33 13-1494 EA 1-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.11 7.67	10.23
26 05 33 13-1495 EA 2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	63.99 8.80	11.73
26 05 33 13-1496 EA 2-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	94.13 10.71	14.29
26 05 33 13-1497 EA 3" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	136.48 13.87	18.49
26 05 33 13-1498 EA 3-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	192.62 15.56	20.74
26 05 33 13-1499 EA 4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	231.93 19.51	26.01
26 05 33 13-1500 EA 5" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	599.48 31.80	42.40
26 05 33 13-1501 EA 6" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	842.14 47.81	63.75
26 05 33 13-1502 Aluminum Bushing Set With Locknut (26 05 33 13-1477)		
26 05 33 13-1503 EA 1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.37 2.26 2.26	3.01
26 05 33 13-1504 EA 3/4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19 2.93 2.93	3.91
26 05 33 13-1505 EA 1" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58 3.61 3.61	4.81
26 05 33 13-1506 EA 1-1/4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15 4.06 4.06	5.41
26 05 33 13-1507 EA 1-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.31 4.96 4.96	6.62
26 05 33 13-1508 EA 2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.22 5.98 5.98	7.97
26 05 33 13-1509 EA 2-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.32 7.10 7.10	9.47
26 05 33 13-1510 EA 3" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.97 8.12 8.12	10.83
26 05 33 13-1511 EA 3-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.48 8.80 8.80	11.73
26 05 33 13-1512 EA 4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.57 9.47 9.47	12.63
26 05 33 13-1513 EA 5" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.35 12.63 12.63	16.83
26 05 33 13-1514 EA 6" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.72 18.94 18.94	25.26
26 05 33 13-1515 Aluminum Type LB, LL Or LR Two Hub Conduit Bodies With Cover (26 05 33 13-1477)		
26 05 33 13-1516 EA 1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.22 8.12	10.83
26 05 33 13-1517 EA 3/4" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.27 9.32	12.40
26 05 33 13-1518 EA 1" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.59 10.82	14.44
26 05 33 13-1519 EA 1-1/4" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.15 12.36	16.46
26 05 33 13-1520 EA 1-1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.16 13.53	18.04
26 05 33 13-1521 EA 2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.30 16.24	21.65
26 05 33 13-1522 EA 2-1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.33 22.85	30.45
26 05 33 13-1523 EA 3" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	240.85 30.44	40.60
26 05 33 13-1524 EA 3-1/2" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	375.62 38.07	50.74
26 05 33 13-1525 EA 4" Aluminum Type LB, LL Or LR Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	416.39 46.34	61.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1526 Aluminum Type T Three Hub Conduit Bodies With Cover <small>(26 05 33 13-1477)</small>		
26 05 33 13-1527 EA 1/2" Aluminum Type T Three Hub Conduit Body With Cover	39.76	12.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 33 13-1528 EA 3/4" Aluminum Type T Three Hub Conduit Body With Cover	47.16	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-1529 EA 1" Aluminum Type T Three Hub Conduit Body With Cover	55.08	15.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 05 33 13-1530 EA 1-1/4" Aluminum Type T Three Hub Conduit Body With Cover	69.63	18.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	
26 05 33 13-1531 EA 1-1/2" Aluminum Type T Three Hub Conduit Body With Cover	82.36	19.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.88	
26 05 33 13-1532 EA 2" Aluminum Type T Three Hub Conduit Body With Cover	109.24	23.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.43	
26 05 33 13-1533 EA 2-1/2" Aluminum Type T Three Hub Conduit Body With Cover	214.09	33.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.37	
26 05 33 13-1534 EA 3" Aluminum Type T Three Hub Conduit Body With Cover	249.34	43.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.99	
26 05 33 13-1535 EA 3-1/2" Aluminum Type T Three Hub Conduit Body With Cover	441.56	54.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.59	
26 05 33 13-1536 EA 4" Aluminum Type T Three Hub Conduit Body With Cover	472.50	65.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.05	
26 05 33 13-1537 Aluminum Type C Two Hub Conduit Bodies With Cover <small>(26 05 33 13-1477)</small>		
26 05 33 13-1538 EA 1/2" Aluminum Type C Two Hub Conduit Body With Cover	34.55	10.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 05 33 13-1539 EA 3/4" Aluminum Type C Two Hub Conduit Body With Cover	39.86	12.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 33 13-1540 EA 1" Aluminum Type C Two Hub Conduit Body With Cover	48.85	14.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.67	
26 05 33 13-1541 EA 1-1/4" Aluminum Type C Two Hub Conduit Body With Cover	61.25	16.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.36	
26 05 33 13-1542 EA 1-1/2" Aluminum Type C Two Hub Conduit Body With Cover	71.31	18.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.53	
26 05 33 13-1543 EA 2" Aluminum Type C Two Hub Conduit Body With Cover	97.28	21.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.24	
26 05 33 13-1544 EA 2-1/2" Aluminum Type C Two Hub Conduit Body With Cover	181.48	30.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.85	
26 05 33 13-1545 EA 3" Aluminum Type C Two Hub Conduit Body With Cover	222.39	40.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.44	
26 05 33 13-1546 EA 3-1/2" Aluminum Type C Two Hub Conduit Body With Cover	374.37	50.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.07	
26 05 33 13-1547 EA 4" Aluminum Type C Two Hub Conduit Body With Cover	414.29	61.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.34	
26 05 33 13-1548 Aluminum Type X Four Hub Conduit Bodies With Cover <small>(26 05 33 13-1477)</small>		
26 05 33 13-1549 EA 1/2" Aluminum Type X Four Hub Conduit Body With Cover	45.98	14.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.67	
26 05 33 13-1550 EA 3/4" Aluminum Type X Four Hub Conduit Body With Cover	53.47	15.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 05 33 13-1551 EA 1" Aluminum Type X Four Hub Conduit Body With Cover	62.99	17.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.04	
26 05 33 13-1552 EA 1-1/4" Aluminum Type X Four Hub Conduit Body With Cover	83.88	19.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.88	
26 05 33 13-1553 EA 1-1/2" Aluminum Type X Four Hub Conduit Body With Cover	88.39	21.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.24	
26 05 33 13-1554 EA 2" Aluminum Type X Four Hub Conduit Body With Cover	142.53	26.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.96	
26 05 33 13-1555 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1556 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1555)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1557 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.13	1.18
For Schedule 60, Add	0.19	
For Schedule 80, Add	0.35	
26 05 33 13-1558 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.47	1.30
For Schedule 60, Add	0.22	
For Schedule 80, Add	0.40	
26 05 33 13-1559 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.11	1.51
For Schedule 60, Add	0.27	
For Schedule 80, Add	0.49	
26 05 33 13-1560 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.76	1.73
For Schedule 60, Add	0.32	
For Schedule 80, Add	0.58	
26 05 33 13-1561 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	5.58	2.02
For Schedule 60, Add	0.38	
For Schedule 80, Add	0.69	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1562 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	6.46	2.31
For Schedule 60, Add	0.46	
For Schedule 80, Add	0.82	
26 05 33 13-1563 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	7.95	2.74
For Schedule 60, Add	0.62	
For Schedule 80, Add	1.07	
26 05 33 13-1564 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	9.24	3.18
For Schedule 60, Add	0.72	
For Schedule 80, Add	1.25	
26 05 33 13-1565 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	11.05	3.76
For Schedule 60, Add	0.88	
For Schedule 80, Add	1.52	
26 05 33 13-1566 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	13.37	4.62
For Schedule 60, Add	1.03	
For Schedule 80, Add	1.79	
26 05 33 13-1567 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	18.89	6.50
For Schedule 60, Add	1.47	
For Schedule 80, Add	2.55	
26 05 33 13-1568 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	25.16	8.66
For Schedule 60, Add	1.96	
For Schedule 80, Add	3.39	
26 05 33 13-1569 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1555)</small>		
See CSI section 26 05 33 13-2317 for conduit field bending.		
26 05 33 13-1570 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	15.06	5.78
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.04	
For Schedule 60, Add	0.88	
For Schedule 80, Add	1.66	
26 05 33 13-1571 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	16.59	6.35
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.04	
For Schedule 60, Add	0.97	
For Schedule 80, Add	1.83	
26 05 33 13-1572 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	19.18	7.22
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.07	
For Schedule 60, Add	1.19	
For Schedule 80, Add	2.20	
26 05 33 13-1573 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	24.75	9.25
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.10	
For Schedule 60, Add	1.57	
For Schedule 80, Add	2.89	
26 05 33 13-1574 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	31.10	11.55
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.13	
For Schedule 60, Add	2.00	
For Schedule 80, Add	3.67	
26 05 33 13-1575 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	39.06	14.44
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.18	
For Schedule 60, Add	2.55	
For Schedule 80, Add	4.65	
26 05 33 13-1576 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	48.87	17.33
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.33	
For Schedule 60, Add	3.55	
For Schedule 80, Add	6.27	
26 05 33 13-1577 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	59.88	20.21
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.56	
For Schedule 60, Add	4.86	
For Schedule 80, Add	8.32	
26 05 33 13-1578 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	74.50	24.55
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-0.79	
For Schedule 60, Add	6.35	
For Schedule 80, Add	10.73	
26 05 33 13-1579 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	89.11	28.88
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-1.01	
For Schedule 60, Add	7.84	
For Schedule 80, Add	13.14	
26 05 33 13-1580 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	119.48	36.10
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-1.75	
For Schedule 60, Add	11.82	
For Schedule 80, Add	19.25	
26 05 33 13-1581 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	145.62	43.32
See CSI section 26 05 33 13-2317 for conduit field bending.		
For 45 Degree Elbows, Deduct	-2.24	
For Schedule 60, Add	14.74	
For Schedule 80, Add	23.89	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1582 Polyvinyl Chloride (PVC) Conduit Adapters <small>(26 05 33 13-1555)</small>						
26 05 33 13-1583	EA			1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.39 3.03	4.05
26 05 33 13-1584	EA			3/4" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.92 3.47	4.62
26 05 33 13-1585	EA			1" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.51 3.90	5.20
26 05 33 13-1586	EA			1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.14 4.33	5.78
26 05 33 13-1587	EA			1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.79 5.42	7.22
26 05 33 13-1588	EA			2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.67 6.50	8.66
26 05 33 13-1589	EA			2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.91 8.66	11.55
26 05 33 13-1590	EA			3" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.92 10.83	14.44
26 05 33 13-1591	EA			3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.54 14.08	18.77
26 05 33 13-1592	EA			4" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.47 17.33	23.11
26 05 33 13-1593	EA			5" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.49 21.66	28.88
26 05 33 13-1594	EA			6" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.01 27.08	36.10
26 05 33 13-1595 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1555)</small>						
26 05 33 13-1596	EA			1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.15 2.60	3.47
26 05 33 13-1597	EA			3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.73 3.03	4.05
26 05 33 13-1598	EA			1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.33 3.47	4.62
26 05 33 13-1599	EA			1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.82 3.90	5.20
26 05 33 13-1600	EA			1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.68 4.33	5.78
26 05 33 13-1601	EA			2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.06 4.98	6.64
26 05 33 13-1602	EA			2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.73 5.63	7.51
26 05 33 13-1603	EA			3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.12 6.50	8.66
26 05 33 13-1604	EA			3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20 7.58	10.11
26 05 33 13-1605	EA			4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.81 8.66	11.55
26 05 33 13-1606	EA			5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.33 9.75	13.00
26 05 33 13-1607	EA			6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.44 10.83	14.44
26 05 33 13-1608 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1555)</small>						
26 05 33 13-1609	EA			1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.34 3.33	
26 05 33 13-1610	EA			3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.68 3.99	
26 05 33 13-1611	EA			1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.23 4.44	
26 05 33 13-1612	EA			1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05 4.94	
26 05 33 13-1613 Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Bodies With Cover <small>(26 05 33 13-1555)</small>						
26 05 33 13-1614	EA			1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.73 8.66	11.55
26 05 33 13-1615	EA			3/4" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.52 9.75	13.00
26 05 33 13-1616	EA			1" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.52 10.83	14.44
26 05 33 13-1617	EA			1-1/4" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.64 13.00	17.33
26 05 33 13-1618	EA			1-1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.51 16.25	21.67
26 05 33 13-1619	EA			2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.04 19.50	25.99
26 05 33 13-1620	EA			2-1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.43 21.66	28.88

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1621	EA		3" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.35 23.83	31.77
26 05 33 13-1622	EA		3-1/2" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.83 27.08	36.10
26 05 33 13-1623	EA		4" Polyvinyl Chloride (PVC) Type LB, LR Or LL Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.64 31.41	41.88
26 05 33 13-1624			Polyvinyl Chloride (PVC) Type T Three Hub Conduit Bodies With Cover <small>(26 05 33 13-1555)</small>		
26 05 33 13-1625	EA		1/2" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.38 2.83 5.09 11.28	15.04
26 05 33 13-1626	EA		3/4" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.05 3.24 5.78 12.41	16.53
26 05 33 13-1627	EA		1" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.87 3.45 6.18 13.53	18.04
26 05 33 13-1628	EA		1-1/4" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.30 4.80 8.30 15.79	21.04
26 05 33 13-1629	EA		1-1/2" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.10 5.75 9.96 19.17	25.56
26 05 33 13-1630	EA		2" Polyvinyl Chloride (PVC) Type T Three Hub Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.95 7.45 12.69 22.55	30.07
26 05 33 13-1631			Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1555)</small>		
26 05 33 13-1632	EA		1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	60.95	14.44
26 05 33 13-1633	EA		3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	68.75	17.33
26 05 33 13-1634	EA		1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	76.95	20.21
26 05 33 13-1635	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	84.75	23.11
26 05 33 13-1636	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	92.38	25.99
26 05 33 13-1637	EA		2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	101.05	28.88
26 05 33 13-1638	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	122.15	33.22
26 05 33 13-1639	EA		3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	144.71	37.54
26 05 33 13-1640	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	168.94	43.32
26 05 33 13-1641	EA		4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	200.20	50.55
26 05 33 13-1642	EA		5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	259.19	60.65
26 05 33 13-1643	EA		6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	339.66	77.98
26 05 33 13-1644			Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1555)</small>		
26 05 33 13-1645	EA		1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.50 2.17	2.88
26 05 33 13-1646	EA		3/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06 2.60	3.47
26 05 33 13-1647	EA		1" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.61 3.03	4.05
26 05 33 13-1648	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.71 3.47	4.62
26 05 33 13-1649	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.84 3.90	5.20
26 05 33 13-1650	EA		2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.36 4.33	5.78
26 05 33 13-1651	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.16 4.98	6.64
26 05 33 13-1652	EA		3" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.70 5.63	7.51
26 05 33 13-1653	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.58 6.28	8.37
26 05 33 13-1654	EA		4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.99 6.72	8.96
26 05 33 13-1655	EA		5" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.87 7.58	10.11
26 05 33 13-1656	EA		6" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.43 8.66	11.55
26 05 33 13-1657			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0041)</small> Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1658			FRE SW Conduit <small>(26 05 33 13-1657)</small>		
26 05 33 13-1659	LF		1/2" FRE SW Conduit.....	5.23	1.18
26 05 33 13-1660	LF		3/4" FRE SW Conduit.....	5.80	1.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1661 LF 1" FRE SW Conduit	6.49	1.50
26 05 33 13-1662 LF 1-1/4" FRE SW Conduit	7.18	1.73
26 05 33 13-1663 LF 1-1/2" FRE SW Conduit	8.14	2.02
26 05 33 13-1664 LF 2" FRE SW Conduit	8.94	2.31
26 05 33 13-1665 LF 2-1/2" FRE SW Conduit	10.65	2.74
26 05 33 13-1666 LF 3" FRE SW Conduit	12.48	3.18
26 05 33 13-1667 LF 3-1/2" FRE SW Conduit	14.50	3.76
26 05 33 13-1668 LF 4" FRE SW Conduit	17.23	4.62
26 05 33 13-1669 LF 5" FRE SW Conduit	23.34	6.50
26 05 33 13-1670 LF 6" FRE SW Conduit	30.54	8.66
26 05 33 13-1671 FRE SW Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1657)</small>		
26 05 33 13-1672 EA 1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	56.36	5.78
<i>For 24" Radius, Add</i>	3.87	
<i>For 36" Radius, Add</i>	5.64	
<i>For 48" Radius, Add</i>	7.41	
26 05 33 13-1673 EA 3/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	62.82	6.35
<i>For 24" Radius, Add</i>	4.31	
<i>For 36" Radius, Add</i>	6.28	
<i>For 48" Radius, Add</i>	8.25	
26 05 33 13-1674 EA 1" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	65.46	7.22
<i>For 24" Radius, Add</i>	4.46	
<i>For 36" Radius, Add</i>	6.55	
<i>For 48" Radius, Add</i>	8.63	
26 05 33 13-1675 EA 1-1/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	70.98	9.25
<i>For 24" Radius, Add</i>	4.75	
<i>For 36" Radius, Add</i>	7.10	
<i>For 48" Radius, Add</i>	9.45	
26 05 33 13-1676 EA 1-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	77.23	11.55
<i>For 24" Radius, Add</i>	5.07	
<i>For 36" Radius, Add</i>	7.72	
<i>For 48" Radius, Add</i>	10.38	
26 05 33 13-1677 EA 2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	91.12	14.44
<i>For 24" Radius, Add</i>	5.93	
<i>For 36" Radius, Add</i>	9.11	
<i>For 48" Radius, Add</i>	12.29	
26 05 33 13-1678 EA 2-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	109.17	17.33
<i>For 24" Radius, Add</i>	7.10	
<i>For 36" Radius, Add</i>	10.92	
<i>For 48" Radius, Add</i>	14.73	
26 05 33 13-1679 EA 3" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.57	20.21
<i>For 24" Radius, Add</i>	8.45	
<i>For 36" Radius, Add</i>	12.96	
<i>For 48" Radius, Add</i>	17.46	
26 05 33 13-1680 EA 3-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	150.28	24.55
<i>For 24" Radius, Add</i>	9.74	
<i>For 36" Radius, Add</i>	15.03	
<i>For 48" Radius, Add</i>	20.32	
26 05 33 13-1681 EA 4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	170.97	28.88
<i>For 24" Radius, Add</i>	11.02	
<i>For 36" Radius, Add</i>	17.10	
<i>For 48" Radius, Add</i>	23.18	
26 05 33 13-1682 EA 5" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	213.73	36.10
<i>For 24" Radius, Add</i>	13.77	
<i>For 36" Radius, Add</i>	21.37	
<i>For 48" Radius, Add</i>	28.97	
26 05 33 13-1683 EA 6" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows	262.66	43.32
<i>For 24" Radius, Add</i>	16.99	
<i>For 36" Radius, Add</i>	26.27	
<i>For 48" Radius, Add</i>	35.54	
26 05 33 13-1684 FRE SW Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1657)</small>		
26 05 33 13-1685 EA 1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows	48.82	5.78
<i>For 24" Radius, Add</i>	3.30	
<i>For 36" Radius, Add</i>	4.88	
<i>For 48" Radius, Add</i>	6.46	
26 05 33 13-1686 EA 3/4" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows	54.38	6.35
<i>For 24" Radius, Add</i>	3.68	
<i>For 36" Radius, Add</i>	5.44	
<i>For 48" Radius, Add</i>	7.19	
26 05 33 13-1687 EA 1" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows	56.93	7.22
<i>For 24" Radius, Add</i>	3.82	
<i>For 36" Radius, Add</i>	5.69	
<i>For 48" Radius, Add</i>	7.57	
26 05 33 13-1688 EA 1-1/4" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows	62.37	9.25
<i>For 24" Radius, Add</i>	4.10	
<i>For 36" Radius, Add</i>	6.24	
<i>For 48" Radius, Add</i>	8.37	
26 05 33 13-1689 EA 1-1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows	68.53	11.55
<i>For 24" Radius, Add</i>	4.42	
<i>For 36" Radius, Add</i>	6.85	
<i>For 48" Radius, Add</i>	9.29	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1690	EA		2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	81.21	14.44
			For 24" Radius, Add	5.19	
			For 36" Radius, Add	8.12	
			For 48" Radius, Add	11.05	
26 05 33 13-1691	EA		2-1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	97.32	17.33
			For 24" Radius, Add	6.22	
			For 36" Radius, Add	9.73	
			For 48" Radius, Add	13.25	
26 05 33 13-1692	EA		3" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	115.35	20.21
			For 24" Radius, Add	7.39	
			For 36" Radius, Add	11.54	
			For 48" Radius, Add	15.68	
26 05 33 13-1693	EA		3-1/2" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	134.28	24.55
			For 24" Radius, Add	8.54	
			For 36" Radius, Add	13.43	
			For 48" Radius, Add	18.32	
26 05 33 13-1694	EA		4" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	153.20	28.88
			For 24" Radius, Add	9.69	
			For 36" Radius, Add	15.32	
			For 48" Radius, Add	20.96	
26 05 33 13-1695	EA		5" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	191.50	36.10
			For 24" Radius, Add	12.11	
			For 36" Radius, Add	19.15	
			For 48" Radius, Add	26.19	
26 05 33 13-1696	EA		6" FRE SW Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	234.87	43.32
			For 24" Radius, Add	14.91	
			For 36" Radius, Add	23.49	
			For 48" Radius, Add	32.07	
26 05 33 13-1697			FRE SW Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1657)</small>		
26 05 33 13-1698	EA		1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	45.28	5.20
			For 24" Radius, Add	3.07	
			For 36" Radius, Add	4.53	
			For 48" Radius, Add	5.99	
26 05 33 13-1699	EA		3/4" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	50.43	5.72
			For 24" Radius, Add	3.43	
			For 36" Radius, Add	5.04	
			For 48" Radius, Add	6.66	
26 05 33 13-1700	EA		1" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	52.76	6.50
			For 24" Radius, Add	3.55	
			For 36" Radius, Add	5.28	
			For 48" Radius, Add	7.00	
26 05 33 13-1701	EA		1-1/4" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	57.66	8.31
			For 24" Radius, Add	3.80	
			For 36" Radius, Add	5.77	
			For 48" Radius, Add	7.73	
26 05 33 13-1702	EA		1-1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	63.22	10.40
			For 24" Radius, Add	4.09	
			For 36" Radius, Add	6.32	
			For 48" Radius, Add	8.55	
26 05 33 13-1703	EA		2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	74.86	13.00
			For 24" Radius, Add	4.80	
			For 36" Radius, Add	7.49	
			For 48" Radius, Add	10.17	
26 05 33 13-1704	EA		2-1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	89.70	15.60
			For 24" Radius, Add	5.75	
			For 36" Radius, Add	8.97	
			For 48" Radius, Add	12.19	
26 05 33 13-1705	EA		3" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	106.34	18.20
			For 24" Radius, Add	6.84	
			For 36" Radius, Add	10.63	
			For 48" Radius, Add	14.43	
26 05 33 13-1706	EA		3-1/2" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	123.68	22.10
			For 24" Radius, Add	7.90	
			For 36" Radius, Add	12.37	
			For 48" Radius, Add	16.84	
26 05 33 13-1707	EA		4" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	141.05	25.99
			For 24" Radius, Add	8.95	
			For 36" Radius, Add	14.11	
			For 48" Radius, Add	19.26	
26 05 33 13-1708	EA		5" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	176.30	32.50
			For 24" Radius, Add	11.19	
			For 36" Radius, Add	17.63	
			For 48" Radius, Add	24.07	
26 05 33 13-1709	EA		6" FRE SW Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	216.32	39.00
			For 24" Radius, Add	13.79	
			For 36" Radius, Add	21.63	
			For 48" Radius, Add	29.48	

26 05 33 13-1710 FRE SW Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-

1657)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1711 EA 1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	43.18	5.20
<i>For 24" Radius, Add</i>	2.91	
<i>For 36" Radius, Add</i>	4.32	
<i>For 48" Radius, Add</i>	5.72	
26 05 33 13-1712 EA 3/4" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	48.08	5.72
<i>For 24" Radius, Add</i>	3.25	
<i>For 36" Radius, Add</i>	4.81	
<i>For 48" Radius, Add</i>	6.37	
26 05 33 13-1713 EA 1" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	50.39	6.50
<i>For 24" Radius, Add</i>	3.37	
<i>For 36" Radius, Add</i>	5.04	
<i>For 48" Radius, Add</i>	6.71	
26 05 33 13-1714 EA 1-1/4" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	55.27	8.31
<i>For 24" Radius, Add</i>	3.63	
<i>For 36" Radius, Add</i>	5.53	
<i>For 48" Radius, Add</i>	7.43	
26 05 33 13-1715 EA 1-1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	60.80	10.40
<i>For 24" Radius, Add</i>	3.91	
<i>For 36" Radius, Add</i>	6.08	
<i>For 48" Radius, Add</i>	8.25	
26 05 33 13-1716 EA 2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	72.11	13.00
<i>For 24" Radius, Add</i>	4.60	
<i>For 36" Radius, Add</i>	7.21	
<i>For 48" Radius, Add</i>	9.83	
26 05 33 13-1717 EA 2-1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	86.41	15.60
<i>For 24" Radius, Add</i>	5.51	
<i>For 36" Radius, Add</i>	8.64	
<i>For 48" Radius, Add</i>	11.78	
26 05 33 13-1718 EA 3" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	102.38	18.20
<i>For 24" Radius, Add</i>	6.54	
<i>For 36" Radius, Add</i>	10.24	
<i>For 48" Radius, Add</i>	13.93	
26 05 33 13-1719 EA 3-1/2" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	119.24	22.10
<i>For 24" Radius, Add</i>	7.56	
<i>For 36" Radius, Add</i>	11.92	
<i>For 48" Radius, Add</i>	16.29	
26 05 33 13-1720 EA 4" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	136.11	25.99
<i>For 24" Radius, Add</i>	8.58	
<i>For 36" Radius, Add</i>	13.61	
<i>For 48" Radius, Add</i>	18.64	
26 05 33 13-1721 EA 5" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	170.13	32.50
<i>For 24" Radius, Add</i>	10.73	
<i>For 36" Radius, Add</i>	17.01	
<i>For 48" Radius, Add</i>	23.30	
26 05 33 13-1722 EA 6" FRE SW Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	208.60	39.00
<i>For 24" Radius, Add</i>	13.21	
<i>For 36" Radius, Add</i>	20.86	
<i>For 48" Radius, Add</i>	28.51	
26 05 33 13-1723 FRE SW Conduit Double Bell Couplings <small>(26 05 33 13-1657)</small>		
26 05 33 13-1724 EA 1/2" FRE SW Conduit Double Bell Coupling.....	27.47	4.05
26 05 33 13-1725 EA 3/4" FRE SW Conduit Double Bell Coupling.....	30.89	4.62
26 05 33 13-1726 EA 1" FRE SW Conduit Double Bell Coupling.....	32.54	5.20
26 05 33 13-1727 EA 1-1/4" FRE SW Conduit Double Bell Coupling.....	34.14	5.78
26 05 33 13-1728 EA 1-1/2" FRE SW Conduit Double Bell Coupling.....	38.15	7.22
26 05 33 13-1729 EA 2" FRE SW Conduit Double Bell Coupling.....	45.61	8.66
26 05 33 13-1730 EA 2-1/2" FRE SW Conduit Double Bell Coupling.....	57.69	11.55
26 05 33 13-1731 EA 3" FRE SW Conduit Double Bell Coupling.....	70.67	14.44
26 05 33 13-1732 EA 3-1/2" FRE SW Conduit Double Bell Coupling.....	85.82	18.77
26 05 33 13-1733 EA 4" FRE SW Conduit Double Bell Coupling.....	100.98	23.11
26 05 33 13-1734 EA 5" FRE SW Conduit Double Bell Coupling.....	126.21	28.88
26 05 33 13-1735 EA 6" FRE SW Conduit Double Bell Coupling.....	157.76	36.10
26 05 33 13-1736 FRE SW Conduit Radius Double Bell Couplings <small>(26 05 33 13-1657)</small>		
26 05 33 13-1737 EA 1/2" FRE SW Conduit Radius Double Bell Coupling.....	19.90	4.05
26 05 33 13-1738 EA 3/4" FRE SW Conduit Radius Double Bell Coupling.....	22.43	4.62
26 05 33 13-1739 EA 1" FRE SW Conduit Radius Double Bell Coupling.....	24.00	5.20
26 05 33 13-1740 EA 1-1/4" FRE SW Conduit Radius Double Bell Coupling.....	25.55	5.78
26 05 33 13-1741 EA 1-1/2" FRE SW Conduit Radius Double Bell Coupling.....	29.28	7.22
26 05 33 13-1742 EA 2" FRE SW Conduit Radius Double Bell Coupling.....	32.96	8.66
26 05 33 13-1743 EA 2-1/2" FRE SW Conduit Radius Double Bell Coupling.....	42.43	11.55
26 05 33 13-1744 EA 3" FRE SW Conduit Radius Double Bell Coupling.....	52.37	14.44
26 05 33 13-1745 EA 3-1/2" FRE SW Conduit Radius Double Bell Coupling.....	65.23	18.77
26 05 33 13-1746 EA 4" FRE SW Conduit Radius Double Bell Coupling.....	78.10	23.11
26 05 33 13-1747 EA 5" FRE SW Conduit Radius Double Bell Coupling.....	97.63	28.88
26 05 33 13-1748 EA 6" FRE SW Conduit Radius Double Bell Coupling.....	122.03	36.10
26 05 33 13-1749 FRE SW Conduit Sleeve Couplings <small>(26 05 33 13-1657)</small>		
26 05 33 13-1750 EA 1/2" FRE SW Conduit Sleeve Coupling	22.28	3.33
26 05 33 13-1751 EA 3/4" FRE SW Conduit Sleeve Coupling	25.08	4.62

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1752	EA		1" FRE SW Conduit Sleeve Coupling	26.68	5.20
26 05 33 13-1753	EA		1-1/4" FRE SW Conduit Sleeve Coupling	28.20	5.78
26 05 33 13-1754	EA		1-1/2" FRE SW Conduit Sleeve Coupling	32.13	7.22
26 05 33 13-1755	EA		2" FRE SW Conduit Sleeve Coupling	38.43	8.66
26 05 33 13-1756	EA		2-1/2" FRE SW Conduit Sleeve Coupling	48.98	11.55
26 05 33 13-1757	EA		3" FRE SW Conduit Sleeve Coupling	60.22	14.44
26 05 33 13-1758	EA		3-1/2" FRE SW Conduit Sleeve Coupling	74.06	18.77
26 05 33 13-1759	EA		4" FRE SW Conduit Sleeve Coupling	87.91	23.11
26 05 33 13-1760	EA		5" FRE SW Conduit Sleeve Coupling	109.87	28.88
26 05 33 13-1761	EA		6" FRE SW Conduit Sleeve Coupling	137.36	36.10
26 05 33 13-1762			FRE SW Conduit Expansion Joints (26 05 33 13-1657)		
26 05 33 13-1763	EA		1/2" FRE SW Conduit Expansion Joint	49.52	14.44
26 05 33 13-1764	EA		3/4" FRE SW Conduit Expansion Joint	58.20	17.33
26 05 33 13-1765	EA		1" FRE SW Conduit Expansion Joint	65.60	20.21
26 05 33 13-1766	EA		1-1/4" FRE SW Conduit Expansion Joint	72.92	23.11
26 05 33 13-1767	EA		1-1/2" FRE SW Conduit Expansion Joint	80.48	25.99
26 05 33 13-1768	EA		2" FRE SW Conduit Expansion Joint	90.64	28.88
26 05 33 13-1769	EA		2-1/2" FRE SW Conduit Expansion Joint	105.17	33.22
26 05 33 13-1770	EA		3" FRE SW Conduit Expansion Joint	120.42	37.54
26 05 33 13-1771	EA		3-1/2" FRE SW Conduit Expansion Joint	138.19	43.32
26 05 33 13-1772	EA		4" FRE SW Conduit Expansion Joint	159.56	50.55
26 05 33 13-1773	EA		5" FRE SW Conduit Expansion Joint	185.91	57.77
26 05 33 13-1774	EA		6" FRE SW Conduit Expansion Joint	214.33	64.99
26 05 33 13-1775			FRE SW Conduit O-Ring Expansion Joints (26 05 33 13-1657)		
26 05 33 13-1776	EA		1/2" FRE SW Conduit O-Ring Expansion Joint	54.96	14.44
26 05 33 13-1777	EA		3/4" FRE SW Conduit O-Ring Expansion Joint	64.31	17.33
26 05 33 13-1778	EA		1" FRE SW Conduit O-Ring Expansion Joint	71.74	20.21
26 05 33 13-1779	EA		1-1/4" FRE SW Conduit O-Ring Expansion Joint	79.12	23.11
26 05 33 13-1780	EA		1-1/2" FRE SW Conduit O-Ring Expansion Joint	86.74	25.99
26 05 33 13-1781	EA		2" FRE SW Conduit O-Ring Expansion Joint	97.78	28.88
26 05 33 13-1782	EA		2-1/2" FRE SW Conduit O-Ring Expansion Joint	113.74	33.22
26 05 33 13-1783	EA		3" FRE SW Conduit O-Ring Expansion Joint	130.71	37.54
26 05 33 13-1784	EA		3-1/2" FRE SW Conduit O-Ring Expansion Joint	149.77	43.32
26 05 33 13-1785	EA		4" FRE SW Conduit O-Ring Expansion Joint	172.43	50.55
26 05 33 13-1786	EA		5" FRE SW Conduit O-Ring Expansion Joint	202.04	57.77
26 05 33 13-1787	EA		6" FRE SW Conduit O-Ring Expansion Joint	234.49	64.99
26 05 33 13-1788			FRE SW Conduit Adapters (26 05 33 13-1657)		
26 05 33 13-1789	EA		1/2" FRE SW Conduit Adapter	54.97	4.05
26 05 33 13-1790	EA		3/4" FRE SW Conduit Adapter	61.38	4.62
26 05 33 13-1791	EA		1" FRE SW Conduit Adapter	64.36	5.20
26 05 33 13-1792	EA		1-1/4" FRE SW Conduit Adapter	67.40	5.78
26 05 33 13-1793	EA		1-1/2" FRE SW Conduit Adapter	71.83	7.22
26 05 33 13-1794	EA		2" FRE SW Conduit Adapter	80.57	8.66
26 05 33 13-1795	EA		2-1/2" FRE SW Conduit Adapter	99.57	11.55
26 05 33 13-1796	EA		3" FRE SW Conduit Adapter	120.88	14.44
26 05 33 13-1797	EA		3-1/2" FRE SW Conduit Adapter	142.31	18.77
26 05 33 13-1798	EA		4" FRE SW Conduit Adapter	163.76	23.11
26 05 33 13-1799	EA		5" FRE SW Conduit Adapter	204.72	28.88
26 05 33 13-1800	EA		6" FRE SW Conduit Adapter	254.88	36.10
26 05 33 13-1801			FRE SW Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-1657)		
26 05 33 13-1802	EA		1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint	64.44	14.44
26 05 33 13-1803	EA		3/4" FRE SW Conduit O-Ring Expansion/Deflection Joint	74.81	17.33
26 05 33 13-1804	EA		1" FRE SW Conduit O-Ring Expansion/Deflection Joint	89.45	20.21
26 05 33 13-1805	EA		1-1/4" FRE SW Conduit O-Ring Expansion/Deflection Joint	110.22	23.11
26 05 33 13-1806	EA		1-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint	136.89	25.99
26 05 33 13-1807	EA		2" FRE SW Conduit O-Ring Expansion/Deflection Joint	178.77	28.88
26 05 33 13-1808	EA		2-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint	250.73	33.22
26 05 33 13-1809	EA		3" FRE SW Conduit O-Ring Expansion/Deflection Joint	301.80	37.54
26 05 33 13-1810	EA		3-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint	364.04	43.32
26 05 33 13-1811	EA		4" FRE SW Conduit O-Ring Expansion/Deflection Joint	429.89	50.55
26 05 33 13-1812	EA		5" FRE SW Conduit O-Ring Expansion/Deflection Joint	504.95	57.77
26 05 33 13-1813	EA		6" FRE SW Conduit O-Ring Expansion/Deflection Joint	774.53	64.99
26 05 33 13-1814			FRE SW Type LB, LR Or LL Two Hub Conduit Bodies And Cover (26 05 33 13-1657)		
26 05 33 13-1815	EA		1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	53.97	11.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-1816	EA		3/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	62.42	13.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75	
26 05 33 13-1817	EA		1" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover	81.71	14.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1818 EA 1-1/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	99.66	17.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
26 05 33 13-1819 EA 1-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	126.59	21.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
26 05 33 13-1820 EA 2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	172.31	25.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.50	
26 05 33 13-1821 EA 2-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	277.05	30.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.75	
26 05 33 13-1822 EA 3" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	354.95	34.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.00	
26 05 33 13-1823 EA 3-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	426.40	40.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.33	
26 05 33 13-1824 EA 4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	497.86	46.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.66	
26 05 33 13-1825 EA 5" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	586.08	51.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.99	
26 05 33 13-1826 EA 6" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover.....	664.25	57.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.33	
26 05 33 13-1827 Explosion Proof Conduit Fittings <small>(26 05 33 13-0041)</small>		
<i>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.</i>		
26 05 33 13-1828 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1827)</small>		
26 05 33 13-1829 EA 1/2" Explosion Proof Malleable Iron Conduit Union.....	41.35	6.26
26 05 33 13-1830 EA 3/4" Explosion Proof Malleable Iron Conduit Union.....	52.56	6.92
26 05 33 13-1831 EA 1" Explosion Proof Malleable Iron Conduit Union.....	86.93	9.23
26 05 33 13-1832 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union.....	121.72	10.21
26 05 33 13-1833 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union.....	154.68	12.52
26 05 33 13-1834 EA 2" Explosion Proof Malleable Iron Conduit Union.....	194.82	14.50
26 05 33 13-1835 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union.....	275.59	20.72
26 05 33 13-1836 EA 3" Explosion Proof Malleable Iron Conduit Union.....	390.63	24.67
26 05 33 13-1837 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union.....	617.49	29.60
26 05 33 13-1838 EA 4" Explosion Proof Malleable Iron Conduit Union.....	671.31	37.83
26 05 33 13-1839 Explosion Proof Malleable Iron Hub Bodies <small>(26 05 33 13-1827)</small>		
26 05 33 13-1840 EA 1/2" Explosion Proof Malleable Iron Two Hub Body.....	76.99	19.77
26 05 33 13-1841 EA 3/4" Explosion Proof Malleable Iron Two Hub Body.....	94.11	22.40
26 05 33 13-1842 EA 1" Explosion Proof Malleable Iron Two Hub Body.....	104.11	24.71
26 05 33 13-1843 EA 1/2" Explosion Proof Malleable Iron Three Hub Body.....	102.11	24.71
26 05 33 13-1844 EA 3/4" Explosion Proof Malleable Iron Three Hub Body.....	121.61	29.65
26 05 33 13-1845 EA 1" Explosion Proof Malleable Iron Three Hub Body.....	136.24	33.93
26 05 33 13-1846 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-1827)</small>		
26 05 33 13-1847 EA 1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	79.71	16.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35	
26 05 33 13-1848 EA 3/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	91.30	18.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.84	
26 05 33 13-1849 EA 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	108.60	20.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.07	
26 05 33 13-1850 EA 1-1/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	132.23	24.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1851 EA 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	179.28	28.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.74	
26 05 33 13-1852 EA 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	221.10	32.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.71	
26 05 33 13-1853 EA 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	336.66	49.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.00	
26 05 33 13-1854 EA 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	417.43	61.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.37	
26 05 33 13-1855 EA 3-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	938.32	68.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.06	
26 05 33 13-1856 EA 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	1,283.04	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.50	
26 05 33 13-1857 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1827)</small>		
26 05 33 13-1858 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	478.43	7.58
26 05 33 13-1859 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	671.35	8.56
26 05 33 13-1860 Conduit Installed Below Grade <small>(26 05 33 13-0040)</small>		
<i>Note: By direct burial in trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.</i>		
26 05 33 13-1861 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1860)</small>		
26 05 33 13-1862 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <small>(26 05 33 13-1861)</small>		
<i>Note: Includes field bend conduit up to 1".</i>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1863	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.50	
			<i>For Schedule 60, Add</i>	0.16	
			<i>For Schedule 80, Add</i>	0.29	
26 05 33 13-1864	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.74	
			<i>For Schedule 60, Add</i>	0.18	
			<i>For Schedule 80, Add</i>	0.33	
26 05 33 13-1865	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.02	
			<i>For Schedule 60, Add</i>	0.22	
			<i>For Schedule 80, Add</i>	0.38	
26 05 33 13-1866	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.31	
			<i>For Schedule 60, Add</i>	0.25	
			<i>For Schedule 80, Add</i>	0.44	
26 05 33 13-1867	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.59	
			<i>For Schedule 60, Add</i>	0.28	
			<i>For Schedule 80, Add</i>	0.49	
26 05 33 13-1868	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.93	
			<i>For Schedule 60, Add</i>	0.33	
			<i>For Schedule 80, Add</i>	0.56	
26 05 33 13-1869	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.52	
			<i>For Schedule 60, Add</i>	0.44	
			<i>For Schedule 80, Add</i>	0.72	
26 05 33 13-1870	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.91	
			<i>For Schedule 60, Add</i>	0.51	
			<i>For Schedule 80, Add</i>	0.82	
26 05 33 13-1871	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.45	
			<i>For Schedule 60, Add</i>	0.60	
			<i>For Schedule 80, Add</i>	0.96	
26 05 33 13-1872	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.79	
			<i>For Schedule 60, Add</i>	0.65	
			<i>For Schedule 80, Add</i>	1.03	
26 05 33 13-1873	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.79	
			<i>For Schedule 60, Add</i>	0.87	
			<i>For Schedule 80, Add</i>	1.34	
26 05 33 13-1874	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.82	
			<i>For Schedule 60, Add</i>	1.09	
			<i>For Schedule 80, Add</i>	1.65	
26 05 33 13-1875			Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1861)</small>		
			See CSI section 26 05 33 13-2317 for conduit field bending.		
26 05 33 13-1876	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	18.67	
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	1.06	
			<i>For Schedule 80, Add</i>	2.02	
26 05 33 13-1877	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	22.37	
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	1.26	
			<i>For Schedule 80, Add</i>	2.41	
26 05 33 13-1878	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.40	
			<i>For 45 Degree Elbows, Deduct</i>	-0.07	
			<i>For Schedule 60, Add</i>	1.55	
			<i>For Schedule 80, Add</i>	2.92	
26 05 33 13-1879	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.52	
			<i>For 45 Degree Elbows, Deduct</i>	-0.10	
			<i>For Schedule 60, Add</i>	1.85	
			<i>For Schedule 80, Add</i>	3.46	
26 05 33 13-1880	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.72	
			<i>For 45 Degree Elbows, Deduct</i>	-0.13	
			<i>For Schedule 60, Add</i>	2.18	
			<i>For Schedule 80, Add</i>	4.03	
26 05 33 13-1881	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	39.06	
			<i>For 45 Degree Elbows, Deduct</i>	-0.18	
			<i>For Schedule 60, Add</i>	2.55	
			<i>For Schedule 80, Add</i>	4.65	
26 05 33 13-1882	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.27	
			<i>For 45 Degree Elbows, Deduct</i>	-0.33	
			<i>For Schedule 60, Add</i>	3.37	
			<i>For Schedule 80, Add</i>	5.91	
26 05 33 13-1883	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	52.65	
			<i>For 45 Degree Elbows, Deduct</i>	-0.56	
			<i>For Schedule 60, Add</i>	4.50	
			<i>For Schedule 80, Add</i>	7.60	
26 05 33 13-1884	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	63.67	
			<i>For 45 Degree Elbows, Deduct</i>	-0.79	
			<i>For Schedule 60, Add</i>	5.81	
			<i>For Schedule 80, Add</i>	9.65	
26 05 33 13-1885	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	74.68	
			<i>For 45 Degree Elbows, Deduct</i>	-1.01	
			<i>For Schedule 60, Add</i>	7.12	
			<i>For Schedule 80, Add</i>	11.70	
26 05 33 13-1886	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	94.21	
			<i>For 45 Degree Elbows, Deduct</i>	-1.75	
			<i>For Schedule 60, Add</i>	10.55	
			<i>For Schedule 80, Add</i>	16.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1887 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For 45 Degree Elbows, Deduct</i> <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	109.50 -2.24 12.94 20.28	
26 05 33 13-1888 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial <small>(26 05 33 13-1861)</small>		
26 05 33 13-1889 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.39 3.03	
26 05 33 13-1890 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.92 3.47	
26 05 33 13-1891 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.51 3.90	
26 05 33 13-1892 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.14 4.33	
26 05 33 13-1893 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63 4.77	
26 05 33 13-1894 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.33 5.20	
26 05 33 13-1895 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.52 5.85	
26 05 33 13-1896 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.49 6.50	
26 05 33 13-1897 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.88 7.58	
26 05 33 13-1898 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.58 8.66	
26 05 33 13-1899 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.79 9.75	
26 05 33 13-1900 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.85 10.83	
26 05 33 13-1901 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1861)</small>		
26 05 33 13-1902 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	18.26	
26 05 33 13-1903 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	20.13	
26 05 33 13-1904 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.78	
26 05 33 13-1905 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	25.45	
26 05 33 13-1906 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	28.12	
26 05 33 13-1907 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	33.20	
26 05 33 13-1908 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	36.81	
26 05 33 13-1909 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	44.33	
26 05 33 13-1910 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	49.44	
26 05 33 13-1911 Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-1861)</small>		
26 05 33 13-1912 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	10.34	
26 05 33 13-1913 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	11.92	
26 05 33 13-1914 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	13.44	
26 05 33 13-1915 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	15.02	
26 05 33 13-1916 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	16.52	
26 05 33 13-1917 EA 2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	18.19	
26 05 33 13-1918 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	21.22	
26 05 33 13-1919 EA 3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	24.07	
26 05 33 13-1920 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	28.35	
26 05 33 13-1921 EA 4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	32.03	
26 05 33 13-1922 EA 5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	38.71	
26 05 33 13-1923 EA 6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	43.56	
26 05 33 13-1924 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1860)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1925 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1924)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-1926 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	8.41 -0.32 -0.53 -0.74	1.57
26 05 33 13-1927 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	9.47 -0.36 -0.60 -0.83	1.96
26 05 33 13-1928 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.68 -0.45 -0.74 -1.04	2.18

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1929	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.16	2.93
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.91	
			<i>For >1,000, Deduct</i>	-1.27	
26 05 33 13-1930	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.67	3.31
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.50	
26 05 33 13-1931	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	21.17	3.61
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500 To 1,000, Deduct</i>	-1.38	
			<i>For >1,000, Deduct</i>	-1.91	
26 05 33 13-1932	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	30.84	5.41
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500 To 1,000, Deduct</i>	-2.03	
			<i>For >1,000, Deduct</i>	-2.80	
26 05 33 13-1933	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	39.70	6.77
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-3.59	
26 05 33 13-1934	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	48.96	7.14
			<i>For >250 To 500, Deduct</i>	-1.98	
			<i>For >500 To 1,000, Deduct</i>	-3.20	
			<i>For >1,000, Deduct</i>	-4.43	
26 05 33 13-1935	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	58.11	7.89
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500 To 1,000, Deduct</i>	-3.79	
			<i>For >1,000, Deduct</i>	-5.25	
26 05 33 13-1936	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	91.58	10.90
			<i>For >250 To 500, Deduct</i>	-3.87	
			<i>For >500 To 1,000, Deduct</i>	-6.15	
			<i>For >1,000, Deduct</i>	-8.44	
26 05 33 13-1937	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	122.45	14.29
			<i>For >250 To 500, Deduct</i>	-5.22	
			<i>For >500 To 1,000, Deduct</i>	-8.28	
			<i>For >1,000, Deduct</i>	-11.34	
26 05 33 13-1938			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-1939	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	9.03	2.26
26 05 33 13-1940	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	10.76	3.01
26 05 33 13-1941	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.67	3.76
26 05 33 13-1942	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.44	4.13
26 05 33 13-1943	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	18.31	4.88
26 05 33 13-1944	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	23.76	5.63
26 05 33 13-1945	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	44.42	6.77
26 05 33 13-1946	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	56.30	9.39
26 05 33 13-1947	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	69.91	10.90
26 05 33 13-1948	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	86.32	15.04
26 05 33 13-1949	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	224.66	20.67
26 05 33 13-1950	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	228.07	11.65
26 05 33 13-1951			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
			Note: 90, 45, or 30 degree.		
26 05 33 13-1952	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	34.63	9.39
26 05 33 13-1953	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	39.75	11.65
26 05 33 13-1954	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	47.42	14.29
26 05 33 13-1955	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	56.26	16.53
26 05 33 13-1956	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	66.07	18.79
26 05 33 13-1957	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	81.10	20.67
26 05 33 13-1958	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	126.76	25.94
26 05 33 13-1959	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	190.34	35.33
26 05 33 13-1960	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	236.73	39.84
26 05 33 13-1961	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	269.74	51.86
26 05 33 13-1962	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	569.18	84.57
26 05 33 13-1963	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	897.10	127.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1964				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-1965	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	84.76	14.29
26 05 33 13-1966	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	95.24	16.53
26 05 33 13-1967	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	108.75	18.79
26 05 33 13-1968	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	130.35	20.67
26 05 33 13-1969	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	182.50	25.94
26 05 33 13-1970				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-1971	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	94.86	14.29
26 05 33 13-1972	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	111.93	16.53
26 05 33 13-1973	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	120.72	18.79
26 05 33 13-1974	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	156.44	20.67
26 05 33 13-1975	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	207.65	25.94
26 05 33 13-1976	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	264.94	35.33
26 05 33 13-1977				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-1978	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	106.93	14.29
26 05 33 13-1979	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	120.62	16.53
26 05 33 13-1980	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	136.07	18.79
26 05 33 13-1981	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	165.09	20.67
26 05 33 13-1982	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	236.56	25.94
26 05 33 13-1983	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	298.88	35.33
26 05 33 13-1984	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	378.85	39.84
26 05 33 13-1985	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	424.58	51.86
26 05 33 13-1986				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-1987	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	127.79	14.29
26 05 33 13-1988	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	141.02	16.53
26 05 33 13-1989	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	159.23	18.79
26 05 33 13-1990	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	198.44	20.67
26 05 33 13-1991	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	288.29	25.94
26 05 33 13-1992	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	356.38	35.33
26 05 33 13-1993	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	413.96	39.84
26 05 33 13-1994	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	489.03	51.86
26 05 33 13-1995				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-1996	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	144.01	14.29
26 05 33 13-1997	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	160.00	16.53
26 05 33 13-1998	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	182.02	18.79
26 05 33 13-1999	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	227.47	20.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2000 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	316.52	25.94
26 05 33 13-2001 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	402.37	35.33
26 05 33 13-2002 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	499.32	39.84
26 05 33 13-2003 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	548.20	51.86
26 05 33 13-2004 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	914.57	84.57
26 05 33 13-2005 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-2006 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	165.24	14.29
26 05 33 13-2007 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	182.95	16.53
26 05 33 13-2008 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	207.01	18.79
26 05 33 13-2009 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	259.67	20.67
26 05 33 13-2010 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	363.56	25.94
26 05 33 13-2011 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	460.96	35.33
26 05 33 13-2012 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	542.09	39.84
26 05 33 13-2013 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	624.57	51.86
26 05 33 13-2014 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	968.10	84.57
26 05 33 13-2015 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,320.06	127.04
26 05 33 13-2016 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-2017 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	194.78	14.29
26 05 33 13-2018 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	203.40	16.53
26 05 33 13-2019 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	240.45	18.79
26 05 33 13-2020 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	304.49	20.67
26 05 33 13-2021 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	426.99	25.94
26 05 33 13-2022 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	539.96	35.33
26 05 33 13-2023 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	661.00	39.84
26 05 33 13-2024 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	773.16	51.86
26 05 33 13-2025 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,142.70	84.57
26 05 33 13-2026 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,400.21	127.04
26 05 33 13-2027 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-2028 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	201.90	14.29
26 05 33 13-2029 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	237.99	16.53
26 05 33 13-2030 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	269.38	18.79
26 05 33 13-2031 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	317.98	20.67
26 05 33 13-2032 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	442.83	25.94
26 05 33 13-2033 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	564.25	35.33
26 05 33 13-2034 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	725.76	39.84
26 05 33 13-2035 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	806.86	51.86
26 05 33 13-2036 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,189.60	84.57
26 05 33 13-2037 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,440.93	127.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2038				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-2039	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	66.01	9.39
26 05 33 13-2040	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	71.38	11.65
26 05 33 13-2041	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	93.01	14.29
26 05 33 13-2042	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	136.81	16.53
26 05 33 13-2043	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	162.70	18.79
26 05 33 13-2044	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	208.08	20.67
26 05 33 13-2045	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	277.59	25.94
26 05 33 13-2046	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	363.06	25.94
26 05 33 13-2047	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	465.71	39.84
26 05 33 13-2048	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	599.40	51.86
26 05 33 13-2049	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,095.59	84.57
26 05 33 13-2050	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,357.47	127.04
26 05 33 13-2051				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-2052	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	67.60	9.39
26 05 33 13-2053	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	77.45	11.65
26 05 33 13-2054	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	96.25	14.29
26 05 33 13-2055	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	142.75	16.53
26 05 33 13-2056	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	170.95	18.79
26 05 33 13-2057	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	225.90	20.67
26 05 33 13-2058	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	315.72	25.94
26 05 33 13-2059	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	401.83	25.94
26 05 33 13-2060	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	535.80	39.84
26 05 33 13-2061	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	669.23	51.86
26 05 33 13-2062	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,223.59	84.57
26 05 33 13-2063	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,564.16	127.04
26 05 33 13-2064				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1924)</small>		
26 05 33 13-2065	EA			1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	22.41	4.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-2066	EA			3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	24.93	5.63
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2067	EA			1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	28.69	7.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2068	EA			1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.24	8.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2069	EA			1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.08	9.39
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2070	EA			1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	24.89	4.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2071	EA			3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	26.76	5.63
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2072	EA		1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.54	7.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2073	EA		1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.20	8.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2074	EA		1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.19	9.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2075	EA		2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.35	10.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2076	EA		1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.02	4.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2077	EA		3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.88	5.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2078	EA		1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.76	7.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2079	EA		1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.45	8.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2080	EA		1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.44	9.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2081	EA		2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.01	10.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2082	EA		1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.76	4.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2083	EA		3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.62	5.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2084	EA		1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.63	7.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2085	EA		1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.51	8.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2086	EA		1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.61	9.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2087	EA		2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.06	10.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2088	EA		2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.68	12.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2089	EA		3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	81.98	17.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2090	EA		1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.88	4.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2091	EA		3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.86	5.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2092	EA		1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.89	7.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2093	EA		1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.57	8.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2094	EA		1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.79	9.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2095	EA		2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.11	10.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2096	EA		2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.50	12.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2097	EA		3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	85.88	17.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2098	EA		3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	102.87	19.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2099	EA		4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.31	25.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2100 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.12	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2101 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.12	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2102 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.16	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2103 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.07	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2104 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.30	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2105 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.23	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2106 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.70	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2107 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.71	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2108 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	104.12	19.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2109 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.64	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2110 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.49	35.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-2111 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.58	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2112 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.57	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2113 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.65	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2114 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.98	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2115 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.40	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2116 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.34	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2117 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.02	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2118 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.47	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2119 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.10	19.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2120 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.42	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2121 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.11	35.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-2122 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.29	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2123 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.27	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2124 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.75	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2125 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.22	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2126 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.63	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2127 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.79	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2128 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.02	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2129 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.08	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2130 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.59	19.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2131 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.11	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2132 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	211.19	35.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-2133 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.04	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2134 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.00	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2135 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.83	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2136 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.51	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2137 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.93	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2138 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.81	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2139 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	98.54	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2140 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	123.67	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2141 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	146.96	19.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2142 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	183.07	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2143 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	235.28	35.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-2144 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.81	4.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2145 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.86	5.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2146 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.57	7.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-2147 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.93	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-2148 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.35	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2149 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.24	10.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31	
26 05 33 13-2150 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.23	12.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2151 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.05	17.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33 13-2152 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.23	19.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95	
26 05 33 13-2153 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	192.56	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 05 33 13-2154 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	238.72	35.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	

26 05 33 13-2155 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1860)

Note: Direct burial or encased application.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2156 FRE SW Conduit <small>(26 05 33 13-2156)</small>		
26 05 33 13-2157 LF 1/2" FRE SW Conduit, Direct Burial.....	4.60	0.94
<i>For Work In Restricted Working Space, Add</i>	0.70	
26 05 33 13-2158 LF 3/4" FRE SW Conduit, Direct Burial.....	5.07	1.01
<i>For Work In Restricted Working Space, Add</i>	0.76	
26 05 33 13-2159 LF 1" FRE SW Conduit, Direct Burial.....	5.40	1.08
<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 33 13-2160 LF 1-1/4" FRE SW Conduit, Direct Burial.....	5.73	1.15
<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 33 13-2161 LF 1-1/2" FRE SW Conduit, Direct Burial.....	6.15	1.23
<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-2162 LF 2" FRE SW Conduit, Direct Burial.....	6.41	1.30
<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 33 13-2163 LF 2-1/2" FRE SW Conduit, Direct Burial.....	7.22	1.37
<i>For Work In Restricted Working Space, Add</i>	1.03	
26 05 33 13-2164 LF 3" FRE SW Conduit, Direct Burial.....	8.15	1.44
<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 33 13-2165 LF 3-1/2" FRE SW Conduit, Direct Burial.....	8.90	1.51
<i>For Work In Restricted Working Space, Add</i>	1.14	
26 05 33 13-2166 LF 4" FRE SW Conduit, Direct Burial.....	9.65	1.59
<i>For Work In Restricted Working Space, Add</i>	1.19	
26 05 33 13-2167 LF 5" FRE SW Conduit, Direct Burial.....	11.24	1.66
<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 33 13-2168 LF 6" FRE SW Conduit, Direct Burial.....	13.20	1.73
<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 33 13-2169 FRE SW Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2169)</small>		
26 05 33 13-2170 EA 1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	59.97	7.22
<i>For Work In Restricted Working Space, Add</i>	5.42	
<i>For 24" Radius, Add</i>	4.05	
<i>For 36" Radius, Add</i>	6.00	
<i>For 48" Radius, Add</i>	7.95	
26 05 33 13-2171 EA 3/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	68.60	8.66
<i>For Work In Restricted Working Space, Add</i>	6.50	
<i>For 24" Radius, Add</i>	4.60	
<i>For 36" Radius, Add</i>	6.86	
<i>For 48" Radius, Add</i>	9.12	
26 05 33 13-2172 EA 1" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	72.68	10.11
<i>For Work In Restricted Working Space, Add</i>	7.58	
<i>For 24" Radius, Add</i>	4.82	
<i>For 36" Radius, Add</i>	7.27	
<i>For 48" Radius, Add</i>	9.72	
26 05 33 13-2173 EA 1-1/4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	76.75	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For 24" Radius, Add</i>	5.03	
<i>For 36" Radius, Add</i>	7.68	
<i>For 48" Radius, Add</i>	10.32	
26 05 33 13-2174 EA 1-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	80.85	13.00
<i>For Work In Restricted Working Space, Add</i>	9.75	
<i>For 24" Radius, Add</i>	5.25	
<i>For 36" Radius, Add</i>	8.09	
<i>For 48" Radius, Add</i>	10.92	
26 05 33 13-2175 EA 2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	91.12	14.44
<i>For Work In Restricted Working Space, Add</i>	10.83	
<i>For 24" Radius, Add</i>	5.93	
<i>For 36" Radius, Add</i>	9.11	
<i>For 48" Radius, Add</i>	12.29	
26 05 33 13-2176 EA 2-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	105.57	15.89
<i>For Work In Restricted Working Space, Add</i>	11.92	
<i>For 24" Radius, Add</i>	6.92	
<i>For 36" Radius, Add</i>	10.56	
<i>For 48" Radius, Add</i>	14.19	
26 05 33 13-2177 EA 3" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	122.34	17.33
<i>For Work In Restricted Working Space, Add</i>	13.00	
<i>For 24" Radius, Add</i>	8.09	
<i>For 36" Radius, Add</i>	12.23	
<i>For 48" Radius, Add</i>	16.38	
26 05 33 13-2178 EA 3-1/2" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	139.45	20.21
<i>For Work In Restricted Working Space, Add</i>	15.17	
<i>For 24" Radius, Add</i>	9.20	
<i>For 36" Radius, Add</i>	13.95	
<i>For 48" Radius, Add</i>	18.70	
26 05 33 13-2179 EA 4" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	156.54	25.99
<i>For Work In Restricted Working Space, Add</i>	17.33	
<i>For 24" Radius, Add</i>	10.30	
<i>For 36" Radius, Add</i>	15.65	
<i>For 48" Radius, Add</i>	21.01	
26 05 33 13-2180 EA 5" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	188.46	25.99
<i>For Work In Restricted Working Space, Add</i>	19.50	
<i>For 24" Radius, Add</i>	12.51	
<i>For 36" Radius, Add</i>	18.85	
<i>For 48" Radius, Add</i>	25.18	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2181	EA	6" FRE SW Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	226.54	28.88
			<i>For Work In Restricted Working Space, Add</i>	21.66	
			<i>For 24" Radius, Add</i>	15.19	
			<i>For 36" Radius, Add</i>	22.65	
			<i>For 48" Radius, Add</i>	30.12	
26 05 33	13-2182		FRE SW Conduit Double Bell Couplings (26 05 33 13-2155)		
26 05 33	13-2183	EA	1/2" FRE SW Conduit Double Bell Coupling, Direct Burial.....	27.47	4.05
			<i>For Work In Restricted Working Space, Add</i>	3.03	
26 05 33	13-2184	EA	3/4" FRE SW Conduit Double Bell Coupling, Direct Burial.....	30.89	4.62
			<i>For Work In Restricted Working Space, Add</i>	3.47	
26 05 33	13-2185	EA	1" FRE SW Conduit Double Bell Coupling, Direct Burial.....	32.54	5.20
			<i>For Work In Restricted Working Space, Add</i>	3.90	
26 05 33	13-2186	EA	1-1/4" FRE SW Conduit Double Bell Coupling, Direct Burial.....	34.14	5.78
			<i>For Work In Restricted Working Space, Add</i>	4.33	
26 05 33	13-2187	EA	1-1/2" FRE SW Conduit Double Bell Coupling, Direct Burial.....	35.99	6.35
			<i>For Work In Restricted Working Space, Add</i>	4.77	
26 05 33	13-2188	EA	2" FRE SW Conduit Double Bell Coupling, Direct Burial.....	41.27	6.93
			<i>For Work In Restricted Working Space, Add</i>	5.20	
26 05 33	13-2189	EA	2-1/2" FRE SW Conduit Double Bell Coupling, Direct Burial.....	48.30	7.79
			<i>For Work In Restricted Working Space, Add</i>	5.85	
26 05 33	13-2190	EA	3" FRE SW Conduit Double Bell Coupling, Direct Burial.....	56.24	8.66
			<i>For Work In Restricted Working Space, Add</i>	6.50	
26 05 33	13-2191	EA	3-1/2" FRE SW Conduit Double Bell Coupling, Direct Burial.....	64.16	10.11
			<i>For Work In Restricted Working Space, Add</i>	7.58	
26 05 33	13-2192	EA	4" FRE SW Conduit Double Bell Coupling, Direct Burial.....	72.09	11.55
			<i>For Work In Restricted Working Space, Add</i>	8.66	
26 05 33	13-2193	EA	5" FRE SW Conduit Double Bell Coupling, Direct Burial.....	86.51	13.00
			<i>For Work In Restricted Working Space, Add</i>	9.75	
26 05 33	13-2194	EA	6" FRE SW Conduit Double Bell Coupling, Direct Burial.....	103.60	14.44
			<i>For Work In Restricted Working Space, Add</i>	10.83	
26 05 33	13-2195		FRE SW Conduit Radius Double Bell Couplings (26 05 33 13-2155)		
26 05 33	13-2196	EA	1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	19.90	4.05
			<i>For Work In Restricted Working Space, Add</i>	3.03	
26 05 33	13-2197	EA	3/4" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	22.43	4.62
			<i>For Work In Restricted Working Space, Add</i>	3.47	
26 05 33	13-2198	EA	1" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	24.00	5.20
			<i>For Work In Restricted Working Space, Add</i>	3.90	
26 05 33	13-2199	EA	1-1/4" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	25.55	5.78
			<i>For Work In Restricted Working Space, Add</i>	4.33	
26 05 33	13-2200	EA	1-1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	27.12	6.35
			<i>For Work In Restricted Working Space, Add</i>	4.77	
26 05 33	13-2201	EA	2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	28.62	6.93
			<i>For Work In Restricted Working Space, Add</i>	5.20	
26 05 33	13-2202	EA	2-1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	33.04	7.79
			<i>For Work In Restricted Working Space, Add</i>	5.85	
26 05 33	13-2203	EA	3" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	37.94	8.66
			<i>For Work In Restricted Working Space, Add</i>	6.50	
26 05 33	13-2204	EA	3-1/2" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	43.57	10.11
			<i>For Work In Restricted Working Space, Add</i>	7.58	
26 05 33	13-2205	EA	4" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	49.21	11.55
			<i>For Work In Restricted Working Space, Add</i>	8.66	
26 05 33	13-2206	EA	5" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	57.93	13.00
			<i>For Work In Restricted Working Space, Add</i>	9.75	
26 05 33	13-2207	EA	6" FRE SW Conduit Radius Double Bell Coupling, Direct Burial.....	67.87	14.44
			<i>For Work In Restricted Working Space, Add</i>	10.83	
26 05 33	13-2208		FRE SW Conduit Sleeve Couplings (26 05 33 13-2155)		
26 05 33	13-2209	EA	1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	17.95	2.31
			<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 33	13-2210	EA	3/4" FRE SW Conduit Sleeve Coupling, Direct Burial.....	20.03	2.60
			<i>For Work In Restricted Working Space, Add</i>	1.95	
26 05 33	13-2211	EA	1" FRE SW Conduit Sleeve Coupling, Direct Burial.....	20.90	2.88
			<i>For Work In Restricted Working Space, Add</i>	2.17	
26 05 33	13-2212	EA	1-1/4" FRE SW Conduit Sleeve Coupling, Direct Burial.....	21.70	3.18
			<i>For Work In Restricted Working Space, Add</i>	2.38	
26 05 33	13-2213	EA	1-1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	22.74	3.47
			<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33	13-2214	EA	2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	26.87	4.05
			<i>For Work In Restricted Working Space, Add</i>	3.03	
26 05 33	13-2215	EA	2-1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	32.37	4.91
			<i>For Work In Restricted Working Space, Add</i>	3.68	
26 05 33	13-2216	EA	3" FRE SW Conduit Sleeve Coupling, Direct Burial.....	38.56	5.78
			<i>For Work In Restricted Working Space, Add</i>	4.33	
26 05 33	13-2217	EA	3-1/2" FRE SW Conduit Sleeve Coupling, Direct Burial.....	45.18	7.22
			<i>For Work In Restricted Working Space, Add</i>	5.42	
26 05 33	13-2218	EA	4" FRE SW Conduit Sleeve Coupling, Direct Burial.....	51.81	8.66
			<i>For Work In Restricted Working Space, Add</i>	6.50	
26 05 33	13-2219	EA	5" FRE SW Conduit Sleeve Coupling, Direct Burial.....	62.94	10.11
			<i>For Work In Restricted Working Space, Add</i>	7.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2220 EA 6" FRE SW Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	75.98 8.66	11.55
26 05 33 13-2221 FRE SW Conduit Expansion Joints <small>(26 05 33 13-2155)</small>		
26 05 33 13-2222 EA 1/2" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	49.52 10.83	14.44
26 05 33 13-2223 EA 3/4" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	58.20 13.00	17.33
26 05 33 13-2224 EA 1" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	65.60 15.17	20.21
26 05 33 13-2225 EA 1-1/4" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	72.92 17.33	23.11
26 05 33 13-2226 EA 1-1/2" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.87 18.41	24.55
26 05 33 13-2227 EA 2" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	83.43 19.50	25.99
26 05 33 13-2228 EA 2-1/2" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	90.73 20.58	27.44
26 05 33 13-2229 EA 3" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	98.75 21.66	28.88
26 05 33 13-2230 EA 3-1/2" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	105.69 22.75	30.33
26 05 33 13-2231 EA 4" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	112.62 23.83	31.77
26 05 33 13-2232 EA 5" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	124.53 24.91	33.22
26 05 33 13-2233 EA 6" FRE SW Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	138.51 26.00	34.66
26 05 33 13-2234 FRE SW Conduit O-Ring Expansion Joints <small>(26 05 33 13-2155)</small>		
26 05 33 13-2235 EA 1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	54.96 10.83	14.44
26 05 33 13-2236 EA 3/4" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	64.31 13.00	17.33
26 05 33 13-2237 EA 1" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	71.74 15.17	20.21
26 05 33 13-2238 EA 1-1/4" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	79.12 17.33	23.11
26 05 33 13-2239 EA 1-1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	83.13 18.41	24.55
26 05 33 13-2240 EA 2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	90.57 19.50	25.99
26 05 33 13-2241 EA 2-1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	99.30 20.58	27.44
26 05 33 13-2242 EA 3" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	109.04 21.66	28.88
26 05 33 13-2243 EA 3-1/2" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	117.27 22.75	30.33
26 05 33 13-2244 EA 4" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	125.49 23.83	31.77
26 05 33 13-2245 EA 5" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	140.66 24.91	33.22
26 05 33 13-2246 EA 6" FRE SW Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	158.67 26.00	34.66
26 05 33 13-2247 FRE SW Conduit Adapters <small>(26 05 33 13-2155)</small>		
26 05 33 13-2248 EA 1/2" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	54.97 3.03	4.05
26 05 33 13-2249 EA 3/4" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	61.38 3.47	4.62
26 05 33 13-2250 EA 1" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	64.36 3.90	5.20
26 05 33 13-2251 EA 1-1/4" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	67.40 4.33	5.78
26 05 33 13-2252 EA 1-1/2" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	69.67 4.77	6.35
26 05 33 13-2253 EA 2" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.23 5.20	6.93
26 05 33 13-2254 EA 2-1/2" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	90.18 5.85	7.79
26 05 33 13-2255 EA 3" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	106.45 6.50	8.66
26 05 33 13-2256 EA 4" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	134.87 8.66	11.55
26 05 33 13-2257 EA 5" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	165.02 9.75	13.00
26 05 33 13-2258 EA 6" FRE SW Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	200.72 10.83	14.44

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2259		FRE SW Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2155)</small>		
	26 05 33 13-2260	EA	1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	64.44	14.44
			<i>For Work In Restricted Working Space, Add</i>	10.83	
	26 05 33 13-2261	EA	3/4" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	74.81	17.33
			<i>For Work In Restricted Working Space, Add</i>	13.00	
	26 05 33 13-2262	EA	1" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	89.45	20.21
			<i>For Work In Restricted Working Space, Add</i>	15.17	
	26 05 33 13-2263	EA	1-1/4" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	110.22	23.11
			<i>For Work In Restricted Working Space, Add</i>	17.33	
	26 05 33 13-2264	EA	1-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	133.28	24.55
			<i>For Work In Restricted Working Space, Add</i>	18.41	
	26 05 33 13-2265	EA	2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	171.56	25.99
			<i>For Work In Restricted Working Space, Add</i>	19.50	
	26 05 33 13-2266	EA	2-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	236.29	27.44
			<i>For Work In Restricted Working Space, Add</i>	20.58	
	26 05 33 13-2267	EA	3" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	280.13	28.88
			<i>For Work In Restricted Working Space, Add</i>	21.66	
	26 05 33 13-2268	EA	3-1/2" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	331.54	30.33
			<i>For Work In Restricted Working Space, Add</i>	22.75	
	26 05 33 13-2269	EA	4" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	382.95	31.77
			<i>For Work In Restricted Working Space, Add</i>	23.83	
	26 05 33 13-2270	EA	5" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	443.57	33.22
			<i>For Work In Restricted Working Space, Add</i>	24.91	
	26 05 33 13-2271	EA	6" FRE SW Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	698.71	34.66
			<i>For Work In Restricted Working Space, Add</i>	26.00	
26 05 33	13-2272		FRE SW Type LB, LR Or LL Two Hub Conduit Bodies And Cover <small>(26 05 33 13-2 155)</small>		
	26 05 33 13-2273	EA	1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	53.97	11.55
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
	26 05 33 13-2274	EA	3/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	62.42	13.00
			<i>For Work In Restricted Working Space, Add</i>	9.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75	
	26 05 33 13-2275	EA	1" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	81.71	14.44
			<i>For Work In Restricted Working Space, Add</i>	10.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.83	
	26 05 33 13-2276	EA	1-1/4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	99.66	17.33
			<i>For Work In Restricted Working Space, Add</i>	13.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00	
	26 05 33 13-2277	EA	1-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	126.59	21.67
			<i>For Work In Restricted Working Space, Add</i>	16.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
	26 05 33 13-2278	EA	2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	172.31	25.99
			<i>For Work In Restricted Working Space, Add</i>	19.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.50	
	26 05 33 13-2279	EA	2-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	277.05	30.33
			<i>For Work In Restricted Working Space, Add</i>	22.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.75	
	26 05 33 13-2280	EA	3" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	354.95	34.66
			<i>For Work In Restricted Working Space, Add</i>	26.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.00	
	26 05 33 13-2281	EA	3-1/2" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	426.40	40.44
			<i>For Work In Restricted Working Space, Add</i>	30.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.33	
	26 05 33 13-2282	EA	4" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	497.86	46.21
			<i>For Work In Restricted Working Space, Add</i>	34.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.66	
	26 05 33 13-2283	EA	5" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	586.08	51.99
			<i>For Work In Restricted Working Space, Add</i>	38.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.99	
	26 05 33 13-2284	EA	6" FRE SW Type LB, LR Or LL Two Hub Conduit Body And Cover, Direct Burial.....	664.25	57.77
			<i>For Work In Restricted Working Space, Add</i>	43.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.33	
26 05 33	13-2285		Spacers <small>(26 05 33 13-1860)</small>		
			Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1860 for conduit.		
	26 05 33 13-2286	EA	1" Base Spacers, Average 4" Wide, Direct Burial.....	7.08	
	26 05 33 13-2287	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	8.04	
	26 05 33 13-2288	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	8.90	
	26 05 33 13-2289	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	9.60	
	26 05 33 13-2290	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	8.96	
	26 05 33 13-2291	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	9.65	
	26 05 33 13-2292	EA	2" Base Spacer, Average 4" Wide, Direct Burial.....	11.17	
	26 05 33 13-2293	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	10.38	
	26 05 33 13-2294	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	12.37	
	26 05 33 13-2295	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	11.95	
	26 05 33 13-2296	EA	3" Base Spacer, Average 4" Wide, Direct Burial.....	14.17	
	26 05 33 13-2297	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial.....	13.51	
	26 05 33 13-2298	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	15.35	
	26 05 33 13-2299	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	14.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2300 EA 4" Base Spacer, Average 4" Wide, Direct Burial	15.81	
26 05 33 13-2301 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.08	
26 05 33 13-2302 EA 5" Base Spacer, Average 4" Wide, Direct Burial	17.48	
26 05 33 13-2303 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial	16.62	
26 05 33 13-2304 EA 6" Base Spacer, Average 4" Wide, Direct Burial	19.57	
26 05 33 13-2305 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial	18.86	
26 05 33 13-2306 Conduit Field Bending (26 05 33 13-0040)		
26 05 33 13-2307 Metallic Conduit Field Bending (26 05 33 13-2306)		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2308 EA 1-1/4" Metallic Conduit Field Bending	12.69	
26 05 33 13-2309 EA 1-1/2" Metallic Conduit Field Bending	16.92	
26 05 33 13-2310 EA 2" Metallic Conduit Field Bending	21.14	
26 05 33 13-2311 EA 2-1/2" Metallic Conduit Field Bending	29.60	
26 05 33 13-2312 EA 3" Metallic Conduit Field Bending	38.06	
26 05 33 13-2313 EA 3-1/2" Metallic Conduit Field Bending	46.52	
26 05 33 13-2314 EA 4" Metallic Conduit Field Bending	54.97	
26 05 33 13-2315 EA 5" Metallic Conduit Field Bending	67.65	
26 05 33 13-2316 EA 6" Metallic Conduit Field Bending	80.34	
26 05 33 13-2317 Plastic Conduit Field Bending (26 05 33 13-2306)		
Note: For PVC conduits.		
26 05 33 13-2318 EA 1" Plastic Conduit Field Bending	19.46	
26 05 33 13-2319 EA 1-1/4" Plastic Conduit Field Bending	21.14	
26 05 33 13-2320 EA 1-1/2" Plastic Conduit Field Bending	25.37	
26 05 33 13-2321 EA 2" Plastic Conduit Field Bending	33.83	
26 05 33 13-2322 EA 2-1/2" Plastic Conduit Field Bending	42.29	
26 05 33 13-2323 EA 3" Plastic Conduit Field Bending	50.74	
26 05 33 13-2324 EA 3-1/2" Plastic Conduit Field Bending	59.19	
26 05 33 13-2325 EA 4" Plastic Conduit Field Bending	67.65	
26 05 33 13-2326 EA 5" Plastic Conduit Field Bending	76.11	
26 05 33 13-2327 EA 6" Plastic Conduit Field Bending	84.57	
26 05 33 13-2328 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0040)		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2329 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit	24.71	
<i>For Work In Restricted Working Space, Add</i>		7.41
26 05 33 13-2330 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit	27.18	
<i>For Work In Restricted Working Space, Add</i>		8.15
26 05 33 13-2331 EA 1", Cut And Thread Existing In-Place Threaded Conduit	29.65	
<i>For Work In Restricted Working Space, Add</i>		8.90
26 05 33 13-2332 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit	32.13	
<i>For Work In Restricted Working Space, Add</i>		9.64
26 05 33 13-2333 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit	33.77	
<i>For Work In Restricted Working Space, Add</i>		10.13
26 05 33 13-2334 EA 2", Cut And Thread Existing In-Place Threaded Conduit	35.42	
<i>For Work In Restricted Working Space, Add</i>		10.63
26 05 33 13-2335 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit	37.07	
<i>For Work In Restricted Working Space, Add</i>		11.12
26 05 33 13-2336 EA 3", Cut And Thread Existing In-Place Threaded Conduit	38.71	
<i>For Work In Restricted Working Space, Add</i>		11.61
26 05 33 13-2337 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit	39.53	
<i>For Work In Restricted Working Space, Add</i>		11.86
26 05 33 13-2338 EA 4", Cut And Thread Existing In-Place Threaded Conduit	40.36	
<i>For Work In Restricted Working Space, Add</i>		12.11
26 05 33 13-2339 EA 5", Cut And Thread Existing In-Place Threaded Conduit	42.00	
<i>For Work In Restricted Working Space, Add</i>		12.60
26 05 33 13-2340 EA 6", Cut And Thread Existing In-Place Threaded Conduit	43.65	
<i>For Work In Restricted Working Space, Add</i>		13.10
26 05 33 13-2341 Flexible Conduit (26 05 33 13-0040)		
26 05 33 13-2342 Liquid Tight Flexible Conduit And Connectors (26 05 33 13-2341)		
Note: Steel inner core with PVC cover.		
26 05 33 13-2343 Liquid Tight Flexible Conduit (26 05 33 13-2342)		
26 05 33 13-2344 LF 3/8" Liquid Tight Flex Conduit	2.83	0.90
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		0.34
<i>For Work In Restricted Working Space, Add</i>		0.68
26 05 33 13-2345 LF 1/2" Liquid Tight Flex Conduit	2.91	0.90
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		0.34
<i>For Work In Restricted Working Space, Add</i>		0.68
26 05 33 13-2346 LF 3/4" Liquid Tight Flex Conduit	3.90	1.20
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		0.45
<i>For Work In Restricted Working Space, Add</i>		0.90
26 05 33 13-2347 LF 1" Liquid Tight Flex Conduit	4.35	1.20
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		0.45
<i>For Work In Restricted Working Space, Add</i>		0.90

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2348 LF 1-1/4" Liquid Tight Flex Conduit.....	5.59	1.50
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Work In Restricted Working Space, Add	1.13	
26 05 33 13-2349 LF 1-1/2" Liquid Tight Flex Conduit.....	7.08	1.80
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.35	
26 05 33 13-2350 LF 2" Liquid Tight Flex Conduit.....	9.34	2.41
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
26 05 33 13-2351 LF 2-1/2" Liquid Tight Flex Conduit.....	12.25	2.71
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
For Work In Restricted Working Space, Add	2.03	
26 05 33 13-2352 LF 3" Liquid Tight Flex Conduit.....	17.49	3.31
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
26 05 33 13-2353 LF 4" Liquid Tight Flex Conduit.....	23.69	4.21
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.58	
For Work In Restricted Working Space, Add	3.16	
26 05 33 13-2354 Straight Connector <small>(26 05 33 13-2342)</small>		
26 05 33 13-2355 EA 3/8" Straight Liquid Tight Connector	7.65	2.41
For Work In Restricted Working Space, Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-2356 EA 1/2" Straight Liquid Tight Connector	7.65	2.41
For Work In Restricted Working Space, Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-2357 EA 3/4" Straight Liquid Tight Connector	9.10	2.71
For Work In Restricted Working Space, Add	2.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.03	
26 05 33 13-2358 EA 1" Straight Liquid Tight Connector	11.68	3.01
For Work In Restricted Working Space, Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26	
26 05 33 13-2359 EA 1-1/4" Straight Liquid Tight Connector	14.56	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2360 EA 1-1/2" Straight Liquid Tight Connector	17.99	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2361 EA 2" Straight Liquid Tight Connector	24.20	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2362 EA 2-1/2" Straight Liquid Tight Connector	75.58	5.41
For Work In Restricted Working Space, Add	4.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-2363 EA 3" Straight Liquid Tight Connector	96.46	5.71
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-2364 EA 4" Straight Liquid Tight Connector	119.17	8.42
For Work In Restricted Working Space, Add	6.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-2365 90 Degree Angle Connector <small>(26 05 33 13-2342)</small>		
26 05 33 13-2366 EA 3/8" 90 Degree Angle Liquid Tight Connector.....	10.99	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2367 EA 1/2" 90 Degree Angle Liquid Tight Connector.....	11.34	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2368 EA 3/4" 90 Degree Angle Liquid Tight Connector.....	12.71	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2369 EA 1" 90 Degree Angle Liquid Tight Connector.....	17.24	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2370 EA 1-1/4" 90 Degree Angle Liquid Tight Connector.....	21.09	4.51
For Work In Restricted Working Space, Add	3.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-2371 EA 1-1/2" 90 Degree Angle Liquid Tight Connector.....	25.06	4.81
For Work In Restricted Working Space, Add	3.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-2372 EA 2" 90 Degree Angle Liquid Tight Connector.....	32.40	5.41
For Work In Restricted Working Space, Add	4.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-2373 EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	104.14	5.71
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-2374 EA 3" 90 Degree Angle Liquid Tight Connector.....	122.94	6.62
For Work In Restricted Working Space, Add	4.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 05 33 13-2375 EA 4" 90 Degree Angle Liquid Tight Connector.....	171.14	10.53
For Work In Restricted Working Space, Add	7.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2376 45 Degree Angle Connector <small>(26 05 33 13-2342)</small>		
26 05 33 13-2377 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	10.87	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2378 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	10.95	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-2379 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	12.71	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2380 EA 1" 45 Degree Angle Liquid Tight Connector.....	18.19	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-2381 EA 1-1/4" 45 Degree Angle Liquid Tight Connector	20.47	4.51
For Work In Restricted Working Space, Add	3.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-2382 EA 1-1/2" 45 Degree Angle Liquid Tight Connector	22.75	4.81
For Work In Restricted Working Space, Add	3.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-2383 Flexible Metallic Conduit And Connectors <small>(26 05 33 13-2341)</small>		
26 05 33 13-2384 Flexible Steel Conduit <small>(26 05 33 13-2383)</small>		
26 05 33 13-2385 LF 3/8" Flexible Metallic Conduit.....	2.95	0.98
For Flexible Aluminum Conduit, Add	0.09	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.36	
For Installation In Metal Stud Wall, Add	0.24	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.60	
For Work In Restricted Working Space, Add	0.72	
26 05 33 13-2386 LF 1/2" Flexible Metallic Conduit.....	3.06	0.98
For Flexible Aluminum Conduit, Add	0.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.37	
For Installation In Metal Stud Wall, Add	0.25	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.62	
For Work In Restricted Working Space, Add	0.74	
26 05 33 13-2387 LF 3/4" Flexible Metallic Conduit.....	3.49	1.31
For Flexible Aluminum Conduit, Add	0.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.40	
For Installation In Metal Stud Wall, Add	0.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.67	
For Work In Restricted Working Space, Add	0.80	
26 05 33 13-2388 LF 1" Flexible Metallic Conduit.....	4.39	1.31
For Flexible Aluminum Conduit, Add	0.25	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.43	
For Installation In Metal Stud Wall, Add	0.29	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.72	
For Work In Restricted Working Space, Add	0.86	
26 05 33 13-2389 LF 1-1/4" Flexible Metallic Conduit	5.01	1.64
For Flexible Aluminum Conduit, Add	0.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.46	
For Installation In Metal Stud Wall, Add	0.31	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.76	
For Work In Restricted Working Space, Add	0.92	
26 05 33 13-2390 LF 1-1/2" Flexible Metallic Conduit	6.61	1.97
For Flexible Aluminum Conduit, Add	0.57	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.48	
For Installation In Metal Stud Wall, Add	0.32	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.79	
For Work In Restricted Working Space, Add	0.95	
26 05 33 13-2391 LF 2" Flexible Metallic Conduit.....	7.51	2.64
For Flexible Aluminum Conduit, Add	0.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.49	
For Installation In Metal Stud Wall, Add	0.33	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.82	
For Work In Restricted Working Space, Add	0.99	
26 05 33 13-2392 LF 2-1/2" Flexible Steel Conduit	9.22	2.96
For Flexible Aluminum Conduit, Add	0.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Installation In Metal Stud Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.03	
For Work In Restricted Working Space, Add	1.23	
26 05 33 13-2393 LF 3" Flexible Metallic Conduit.....	13.80	3.62
For Flexible Aluminum Conduit, Add	1.46	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.74	
For Installation In Metal Stud Wall, Add	0.49	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.23	
For Work In Restricted Working Space, Add	1.48	
26 05 33 13-2394 LF 3-1/2" Flexible Metallic Conduit	16.93	3.95
For Flexible Aluminum Conduit, Add	1.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.86	
For Installation In Metal Stud Wall, Add	0.58	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.44	
For Work In Restricted Working Space, Add	1.73	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2395	LF		4" Flexible Metallic Conduit.....	19.47	4.60
			<i>For Flexible Aluminum Conduit, Add</i>	2.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.99	
			<i>For Installation In Metal Stud Wall, Add</i>	0.66	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 33 13-2396			Plain Squeeze Type Straight Connector <small>(26 05 33 13-2383)</small>		
26 05 33 13-2397	EA		3/8" Flexible Straight Connectors, Plain.....	5.06	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33 13-2398	EA		1/2" Flexible Straight Connectors, Plain.....	6.27	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33 13-2399	EA		3/4" Flexible Straight Connectors, Plain.....	7.21	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-2400	EA		1" Flexible Straight Connectors, Plain.....	11.57	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-2401	EA		1-1/4" Flexible Straight Connectors, Plain.....	16.40	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-2402	EA		1-1/2" Flexible Straight Connectors, Plain.....	21.63	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2403	EA		2" Flexible Straight Connectors, Plain.....	28.49	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2404	EA		2-1/2" Flexible Straight Connectors, Plain.....	46.12	6.91
			<i>For Work In Restricted Working Space, Add</i>	4.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 05 33 13-2405	EA		3" Flexible Straight Connectors, Plain.....	60.44	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 33 13-2406	EA		3-1/2" Flexible Straight Connectors, Plain.....	188.63	8.88
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2407	EA		4" Flexible Straight Connectors, Plain.....	235.79	10.85
			<i>For Work In Restricted Working Space, Add</i>	6.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 33 13-2408			Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-2383)</small>		
26 05 33 13-2409	EA		1/2" Flexible Straight Connectors, Insulated.....	7.01	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33 13-2410	EA		3/4" Flexible Straight Connectors, Insulated.....	8.18	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-2411	EA		1" Flexible Straight Connectors, Insulated.....	12.89	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-2412	EA		1-1/4" Flexible Straight Connectors, Insulated.....	18.84	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-2413	EA		1-1/2" Flexible Straight Connectors, Insulated.....	25.97	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2414	EA		2" Flexible Straight Connectors, Insulated.....	36.16	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2415	EA		2-1/2" Flexible Straight Connectors, Insulated.....	62.52	6.91
			<i>For Work In Restricted Working Space, Add</i>	4.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 05 33 13-2416	EA		3" Flexible Straight Connectors, Insulated.....	79.78	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 33 13-2417	EA		3-1/2" Flexible Straight Connectors, Insulated.....	218.44	8.88
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-2418	EA		4" Flexible Straight Connectors, Insulated.....	280.61	10.85
			<i>For Work In Restricted Working Space, Add</i>	6.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 33 13-2419			Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-2383)</small>		
26 05 33 13-2420	EA		3/8" Flexible 90 Degree Connector, Plain.....	7.11	3.29
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-2421	EA		1/2" Flexible 90 Degree Connector, Plain.....	9.40	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2422 EA 3/4" Flexible 90 Degree Connector, Plain.....	12.28	3.95
For Work In Restricted Working Space, Add	1.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.97	
26 05 33 13-2423 EA 1" Flexible 90 Degree Connector, Plain.....	17.24	4.60
For Work In Restricted Working Space, Add	2.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 05 33 13-2424 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	26.98	4.93
For Work In Restricted Working Space, Add	2.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 05 33 13-2425 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	42.26	5.75
For Work In Restricted Working Space, Add	3.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-2426 EA 2" Flexible 90 Degree Connector, Plain.....	50.98	7.08
For Work In Restricted Working Space, Add	4.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.19	
26 05 33 13-2427 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	112.89	7.57
For Work In Restricted Working Space, Add	4.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-2428 EA 3" Flexible 90 Degree Connector, Plain.....	145.11	8.88
For Work In Restricted Working Space, Add	5.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-2429 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	308.48	10.85
For Work In Restricted Working Space, Add	6.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 05 33 13-2430 EA 4" Flexible 90 Degree Connector, Plain.....	551.52	12.34
For Work In Restricted Working Space, Add	7.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 33 13-2431 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-2383)</small>		
26 05 33 13-2432 EA 1/2" Flexible 90 Degree Connector, Insulated.....	10.43	3.62
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2433 EA 3/4" Flexible 90 Degree Connector, Insulated.....	13.56	3.95
For Work In Restricted Working Space, Add	1.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.97	
26 05 33 13-2434 EA 1" Flexible 90 Degree Connector, Insulated.....	17.24	4.60
For Work In Restricted Working Space, Add	2.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 05 33 13-2435 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	31.50	4.93
For Work In Restricted Working Space, Add	2.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 05 33 13-2436 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	50.48	5.75
For Work In Restricted Working Space, Add	3.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-2437 EA 2" Flexible 90 Degree Connector, Insulated.....	64.34	7.08
For Work In Restricted Working Space, Add	4.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.19	
26 05 33 13-2438 EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	154.66	7.57
For Work In Restricted Working Space, Add	4.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-2439 EA 3" Flexible 90 Degree Connector, Insulated.....	190.36	8.88
For Work In Restricted Working Space, Add	5.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-2440 EA 3-1/2" Flexible 90 Degree Connector, Insulated.....	513.57	10.85
For Work In Restricted Working Space, Add	6.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 05 33 13-2441 EA 4" Flexible 90 Degree Connector, Insulated.....	766.34	12.34
For Work In Restricted Working Space, Add	7.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 33 13-2442 Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-2383)</small>		
26 05 33 13-2443 EA 3/8" Flexible 45 Degree Connector, Plain.....	7.94	3.29
For Work In Restricted Working Space, Add	1.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.48	
26 05 33 13-2444 EA 1/2" Flexible 45 Degree Connector, Plain.....	10.73	3.62
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2445 EA 3/4" Flexible 45 Degree Connector, Plain.....	13.77	3.95
For Work In Restricted Working Space, Add	1.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.97	
26 05 33 13-2446 Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-2383)</small>		
26 05 33 13-2447 EA 3/8" Flexible 45 Degree Connector, Insulated.....	8.52	3.95
For Work In Restricted Working Space, Add	1.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.48	
26 05 33 13-2448 EA 1/2" Flexible 45 Degree Connector, Insulated.....	11.68	3.62
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-2449 EA 3/4" Flexible 45 Degree Connector, Insulated.....	15.11	3.95
For Work In Restricted Working Space, Add	1.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.97	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2450		Plain Screw-In Connector <small>(26 05 33 13-2383)</small>		
26 05 33	13-2451	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	4.20	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33	13-2452	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	4.53	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33	13-2453	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	5.78	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33	13-2454	EA	1" Flexible Steel Screw-in Connector, Plain.....	8.28	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33	13-2455	EA	1-1/4" Flexible Steel Screw-in Connector, Plain.....	12.21	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33	13-2456	EA	1-1/2" Flexible Steel Screw-in Connector, Plain.....	14.92	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33	13-2457	EA	2" Flexible Steel Screw-in Connector, Plain.....	21.99	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33	13-2458		Insulated Screw-In Connector <small>(26 05 33 13-2383)</small>		
26 05 33	13-2459	EA	3/8" Flexible Steel Screw-in Connector, Insulated.....	4.45	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33	13-2460	EA	1/2" Flexible Steel Screw-in Connector, Insulated.....	4.72	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33	13-2461	EA	3/4" Flexible Steel Screw-in Connector, Insulated.....	6.28	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33	13-2462	EA	1" Flexible Steel Screw-in Connector, Insulated.....	9.05	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33	13-2463	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated.....	13.31	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33	13-2464	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated.....	16.23	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33	13-2465	EA	2" Flexible Steel Screw-in Connector, Insulated.....	23.15	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33	13-2466		Screw-In Coupling <small>(26 05 33 13-2383)</small>		
26 05 33	13-2467	EA	1/2" Flexible Steel Screw-in Coupling.....	5.01	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 33	13-2468	EA	3/4" Flexible Steel Screw-in Coupling.....	6.58	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33	13-2469		Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-2383)</small>		
26 05 33	13-2470	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	6.77	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
26 05 33	13-2471	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	9.22	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 33	13-2472	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	12.20	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33	13-2473		Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-2383)</small>		
26 05 33	13-2474	EA	3/8" Flexible Straight Connector, Die Cast.....	4.36	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33	13-2475	EA	1/2" Flexible Straight Connector, Die Cast.....	4.93	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.23	
26 05 33	13-2476	EA	3/4" Flexible Straight Connector, Die Cast.....	6.12	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33	13-2477	EA	1" Flexible Straight Connector, Die Cast.....	9.22	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33	13-2478	EA	1-1/4" Flexible Straight Connector, Die Cast.....	12.44	4.60
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2479 EA 1-1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.90 3.08 3.08	4.93
26 05 33 13-2480 EA 2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.88 3.70 3.70	5.59
26 05 33 13-2481 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2383)		
26 05 33 13-2482 EA 3/8" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77 1.48 1.48	3.29
26 05 33 13-2483 EA 1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15 1.73 1.73	3.62
26 05 33 13-2484 EA 3/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69 1.97 1.97	3.95
26 05 33 13-2485 EA 1" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.82 2.47 2.47	4.60
26 05 33 13-2486 EA 1-1/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63 2.96 2.96	4.93
26 05 33 13-2487 EA 1-1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.58 3.70 3.70	5.75
26 05 33 13-2488 EA 2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.57 4.19 4.19	7.08
26 05 33 13-2489 Non-Metallic Liquid Tight Flexible Conduit And Connectors (26 05 33 13-2341) Note: Carlon - CARFLEX.		
26 05 33 13-2490 Non-Metallic Liquid Tight Flexible Conduit (26 05 33 13-2489)		
26 05 33 13-2491 LF 3/8" Non-Metallic Liquid Tight Flex Conduit <i>For Work In Restricted Working Space, Add</i>	2.91 0.68	0.90
26 05 33 13-2492 LF 1/2" Non-Metallic Liquid Tight Flex Conduit <i>For Work In Restricted Working Space, Add</i>	2.96 0.68	0.90
26 05 33 13-2493 LF 3/4" Non-Metallic Liquid Tight Flex Conduit <i>For Work In Restricted Working Space, Add</i>	3.98 0.90	1.20
26 05 33 13-2494 LF 1" Non-Metallic Liquid Tight Flex Conduit <i>For Work In Restricted Working Space, Add</i>	4.98 0.90	1.20
26 05 33 13-2495 LF 1-1/4" Non-Metallic Liquid Tight Flex Conduit <i>For Work In Restricted Working Space, Add</i>	6.32 1.13	1.50
26 05 33 13-2496 LF 1-1/2" Non-Metallic Liquid Tight Flex Conduit <i>For Work In Restricted Working Space, Add</i>	8.07 1.35	1.80
26 05 33 13-2497 LF 2" Non-Metallic Liquid Tight Flex Conduit <i>For Work In Restricted Working Space, Add</i>	10.36 1.81	2.41
26 05 33 13-2498 Straight Connector (26 05 33 13-2489)		
26 05 33 13-2499 EA 3/8" Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41 1.81 1.81	2.41
26 05 33 13-2500 EA 1/2" Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41 1.81 1.81	2.41
26 05 33 13-2501 EA 3/4" Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31 2.03 2.03	2.71
26 05 33 13-2502 EA 1" Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.84 2.26 2.26	3.01
26 05 33 13-2503 EA 1-1/4" Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.82 2.48 2.48	3.31
26 05 33 13-2504 EA 1-1/2" Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.32 2.71 2.71	3.61
26 05 33 13-2505 EA 2" Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.92 3.16 3.16	4.21
26 05 33 13-2506 90 Degree Angle Connector (26 05 33 13-2489)		
26 05 33 13-2507 EA 3/8" Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16 2.48 2.48	3.31
26 05 33 13-2508 EA 1/2" Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16 2.48 2.48	3.31

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2509 EA 3/4" Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.01 2.71 2.71	3.61
26 05 33 13-2510 EA 1" Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.34 3.16 3.16	4.21
26 05 33 13-2511 EA 1-1/4" Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04 3.38 3.38	4.51
26 05 33 13-2512 EA 1-1/2" Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10 3.61 3.61	4.81
26 05 33 13-2513 EA 2" Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.29 4.06 4.06	5.41
26 05 33 13-2514 45 Degree Angle Connector (26 05 33 13-2489)		
26 05 33 13-2515 EA 3/8" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16 2.48 2.48	3.31
26 05 33 13-2516 EA 1/2" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16 2.48 2.48	3.31
26 05 33 13-2517 EA 3/4" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.01 2.71 2.71	3.61
26 05 33 13-2518 EA 1" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.34 3.16 3.16	4.21
26 05 33 13-2519 EA 1-1/4" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04 3.38 3.38	4.51
26 05 33 13-2520 EA 1-1/2" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10 3.61 3.61	4.81
26 05 33 13-2521 EA 2" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.29 4.06 4.06	5.41
26 05 33 13-2522 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2341) Note: Carlon - FLEX-PLUS.		
26 05 33 13-2523 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2522)		
26 05 33 13-2524 LF 1/2" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	2.73 0.74	0.98
26 05 33 13-2525 LF 3/4" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	3.65 0.99	1.31
26 05 33 13-2526 LF 1" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	3.87 0.99	1.31
26 05 33 13-2527 Terminal Adapter (26 05 33 13-2522)		
26 05 33 13-2528 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00 1.97 1.97	2.64
26 05 33 13-2529 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18 2.22 2.22	2.96
26 05 33 13-2530 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.22 2.47 2.47	3.29
26 05 33 13-2531 Coupling (26 05 33 13-2522)		
26 05 33 13-2532 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	6.94 1.97	2.64
26 05 33 13-2533 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	7.88 2.22	2.96
26 05 33 13-2534 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	8.94 2.47	3.29
26 05 33 16 Boxes For Electrical Systems (26 05 33) See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16) Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0110 for steel box/switch assemblies.		
26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0003 EA 1-1/2", 4" Square Steel Box <i>For Stud Bracket, Add</i>	26.47 0.44	12.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0004 EA 2-1/8", 4" Square Steel Box	27.28	12.34
For Stud Bracket, Add	0.79	
26 05 33 16-0005 EA 3-1/2", 4" Square Steel Box	30.09	12.34
For Stud Bracket, Add	0.86	
26 05 33 16-0006 EA 1-1/2", 4" Square Steel Extension Ring	20.45	8.22
26 05 33 16-0007 EA 2-1/8", 4" Square Steel Extension Ring	17.61	8.22
26 05 33 16-0008 EA 1/2", 1 Gang, 4" Square Steel Mud Ring	9.08	4.11
26 05 33 16-0009 EA 5/8", 1 Gang, 4" Square Steel Mud Ring	9.21	4.11
26 05 33 16-0010 EA 3/4", 1 Gang, 4" Square Steel Mud Ring	9.30	4.11
26 05 33 16-0011 EA 1", 1 Gang, 4" Square Steel Mud Ring	9.60	4.11
26 05 33 16-0012 EA 1-1/4", 1 Gang, 4" Square Steel Mud Ring	9.69	4.11
26 05 33 16-0013 EA 1-1/2", 1 Gang, 4" Square Steel Mud Ring	10.66	4.11
26 05 33 16-0014 EA 1/2", 2 Gang, 4" Square Steel Mud Ring	9.44	4.11
26 05 33 16-0015 EA 5/8", 2 Gang, 4" Square Steel Mud Ring	9.54	4.11
26 05 33 16-0016 EA 3/4", 2 Gang, 4" Square Steel Mud Ring	9.65	4.11
26 05 33 16-0017 EA 1", 2 Gang, 4" Square Steel Mud Ring	10.65	4.11
26 05 33 16-0018 EA 1-1/4", 2 Gang, 4" Square Steel Mud Ring	10.85	4.11
26 05 33 16-0019 EA 1-1/2", 2 Gang, 4" Square Steel Mud Ring	12.11	4.11
26 05 33 16-0020 EA 3/4", Fixture Cover, 4" Square Mud Rings	9.93	4.11
26 05 33 16-0021 EA 1", Fixture Cover, 4" Square Mud Rings	10.73	4.11
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover	9.43	4.11
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover	9.50	4.11
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover	9.41	4.11
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	9.63	4.11
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	9.80	4.11
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.03	4.11
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	9.77	4.11
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	12.03	4.11
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	9.77	4.11
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.29	4.11
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.03	4.11
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.03	4.11
26 05 33 16-0034 EA Flat, 4" Square Steel Exposed Work Cover	8.80	4.11
26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036 EA 1-1/2", 4-11/16" Square Steel Box	29.49	12.34
26 05 33 16-0037 EA 2-1/8", 4-11/16" Square Steel Box	27.64	12.34
For Stud Bracket, Add	0.42	
26 05 33 16-0038 EA 3-1/4", 4-11/16" Square Steel Box	36.92	12.34
26 05 33 16-0039 EA 1-1/2", 4-11/16" Square Extension Ring	21.22	8.22
26 05 33 16-0040 EA 2-1/8", 4-11/16" Square Extension Ring	21.67	8.22
26 05 33 16-0041 EA 1/2", 1 Gang, 4-11/16" Square Steel Mud Ring	10.92	4.11
26 05 33 16-0042 EA 5/8", 1 Gang, 4-11/16" Square Steel Mud Ring	10.94	4.11
26 05 33 16-0043 EA 3/4", 1 Gang, 4-11/16" Square Steel Mud Ring	11.73	4.11
26 05 33 16-0044 EA 1", 1 Gang, 4-11/16" Square Steel Mud Ring	11.42	4.11
26 05 33 16-0045 EA 1-1/4", 1 Gang, 4-11/16" Square Steel Mud Ring	11.35	4.11
26 05 33 16-0046 EA 1-1/2", 1 Gang, 4-11/16" Square Steel Mud Ring	14.62	4.11
26 05 33 16-0047 EA 1/2", 2 Gang, 4-11/16" Square Steel Mud Ring	11.55	4.11
26 05 33 16-0048 EA 5/8", 2 Gang, 4-11/16" Square Steel Mud Ring	11.72	4.11
26 05 33 16-0049 EA 3/4", 2 Gang, 4-11/16" Square Steel Mud Ring	11.73	4.11
26 05 33 16-0050 EA 1", 2 Gang, 4-11/16" Square Steel Mud Ring	12.89	4.11
26 05 33 16-0051 EA 1-1/4", 2 Gang, 4-11/16" Square Steel Mud Ring	13.13	4.11
26 05 33 16-0052 EA 1-1/2", 2 Gang, 4-11/16" Square Steel Mud Ring	15.94	4.11
26 05 33 16-0053 EA 1/2", Fixture Cover, 4-11/16" Square Steel Mud Ring	11.40	4.11
26 05 33 16-0054 EA 5/8", Fixture Cover, 4-11/16" Square Steel Mud Ring	11.48	4.11
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	13.65	4.11
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	14.26	4.11
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	13.47	4.11
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	12.81	4.11
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	15.03	4.11
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.26	4.11
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.26	4.11
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.26	4.11
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover	9.29	4.11
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	13.19	6.17
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box	9.51	4.12
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	15.16	6.17
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	16.17	6.17
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2", 4" Steel Octagon Box	22.03	10.27
For Stud Bracket, Add	1.07	
26 05 33 16-0071 EA 2-1/8", 4" Steel Octagon Box	22.75	10.27
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover	8.75	4.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001) Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2", 4" Steel Octagonal Concrete Ring	36.12	
26 05 33 16-0075 EA 2-1/2", 4" Steel Octagonal Concrete Ring	38.30	
26 05 33 16-0076 EA 3", 4" Steel Octagonal Concrete Ring	40.08	
26 05 33 16-0077 EA 3-1/2", 4" Steel Octagonal Concrete Ring	41.82	
26 05 33 16-0078 EA 4", 4" Steel Octagonal Concrete Ring	45.43	
26 05 33 16-0079 EA 5", 4" Steel Octagonal Concrete Ring	49.16	
26 05 33 16-0080 EA 6", 4" Steel Octagonal Concrete Ring	52.12	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover	9.73	4.11
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	32.15	10.27
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	35.26	11.10
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	42.15	12.34
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	54.39	13.57
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	79.38	14.80
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	43.18	10.27
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	47.02	11.10
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	62.00	12.34
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	79.08	13.57
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	128.18	14.80
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring	13.96	4.11
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring	14.14	4.11
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring	16.27	4.11
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring	19.92	4.11
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring	27.94	4.11
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover	12.13	4.11
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover	14.12	4.11
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover	16.76	4.11
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover	20.13	4.11
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover	28.51	4.11
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2", 3" x 2", Stud Bracket, Steel Switch Box	23.41	10.27
26 05 33 16-0105 EA 2-3/4", 3" x 2", Stud Bracket, Steel Switch Box	23.72	10.27
26 05 33 16-0106 EA 3-1/2", 3" x 2", Stud Bracket, Steel Switch Box	25.31	10.27
26 05 33 16-0107 EA 2-1/2", 2 Device, Stud Bracket, Steel Box	28.89	10.27
26 05 33 16-0108 EA 2-1/2", 3 Device, Stud Bracket, Steel Box	29.20	10.27
26 05 33 16-0109 EA 2-1/2", 4 Device, Stud Bracket, Steel Box	34.05	10.27
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2", 4" x 2" Steel Handy Box	21.95	10.27
For Stud Bracket, Add	1.72	
26 05 33 16-0112 EA 1-7/8", 4" x 2" Steel Handy Box	22.28	10.27
For Stud Bracket, Add	0.74	
26 05 33 16-0113 EA 2-1/8", 4" x 2" Steel Handy Box	23.02	10.27
For Stud Bracket, Add	1.01	
26 05 33 16-0114 EA 1-1/2", 4" x 2" Steel Handy Box Extension Ring	14.34	6.16
26 05 33 16-0115 EA 1-7/8", 4" x 2" Steel Handy Box Extension Ring	14.01	6.16
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	4.83	2.05
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.89	2.05
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.58	2.05
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	4.61	2.05
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.23	2.05
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	4.61	2.05
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	32.65	14.39
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	36.27	15.21
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	41.29	16.45
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	46.84	18.09
26 05 33 16-0127 Cast Boxes (26 05 33 16) Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0239 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2", Type FS, Shallow, Single Gang Cast Iron Alloy Box	70.43	24.67
Note: One hub.		
26 05 33 16-0131 EA 3/4", Type FS, Shallow, Single Gang Cast Iron Alloy Box	75.90	28.77
Note: One hub.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0132 EA 1", Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	89.38	34.95
26 05 33 16-0133 EA 1/2", Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	88.05	32.89
26 05 33 16-0134 EA 3/4", Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	112.53	39.06
26 05 33 16-0135 EA 1/2", Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	87.69	32.89
26 05 33 16-0136 EA 3/4", Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	105.45	39.06
26 05 33 16-0137 EA 1/2", Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	89.97	32.89
26 05 33 16-0138 EA 3/4", Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	105.48	39.06
26 05 33 16-0139 EA 1/2", Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	87.69	32.89
26 05 33 16-0140 EA 3/4", Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	102.67	39.06
26 05 33 16-0141 EA 1/2", Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	104.51	41.11
26 05 33 16-0142 EA 3/4", Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	123.69	49.33
26 05 33 16-0143 EA 1/2", Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	108.88	41.11
26 05 33 16-0144 EA 3/4", Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	140.35	49.33
26 05 33 16-0145 EA 1/2", Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	111.73	41.11
26 05 33 16-0146 EA 3/4", Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	133.50	49.33
26 05 33 16-0147 EA 1/2", Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	104.14	41.11
26 05 33 16-0148 EA 3/4", Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	135.43	49.33
26 05 33 16-0149 EA 1/2", Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	132.71	49.33
26 05 33 16-0150 EA 3/4", Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	160.11	59.61
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2", Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	73.65	24.67
26 05 33 16-0153 EA 3/4", Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	84.83	28.77
26 05 33 16-0154 EA 1", Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	99.68	34.95
26 05 33 16-0155 EA 1/2", Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	93.93	32.89
26 05 33 16-0156 EA 3/4", Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	108.48	39.06
26 05 33 16-0157 EA 1", Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	130.38	47.28
26 05 33 16-0158 EA 3/4", Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	116.50	39.06
26 05 33 16-0159 EA 3/4", Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	149.85	49.33
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2", Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	84.67	26.72
26 05 33 16-0162 EA 3/4", Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	93.84	30.83
26 05 33 16-0163 EA 1", Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	109.04	37.00
26 05 33 16-0164 EA 1/2", Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	102.65	34.95
26 05 33 16-0165 EA 3/4", Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	116.64	41.11
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2", Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	94.33	26.72
26 05 33 16-0168 EA 3/4", Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	102.92	30.83
26 05 33 16-0169 EA 1/2", Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	117.19	34.95
26 05 33 16-0170 EA 3/4", Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	132.00	41.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 16-0171		Cast Aluminum Boxes <small>(26 05 33 16-0127)</small> See CSI section 26 27 26 00-0239 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2", Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	62.21	20.56
26 05 33 16-0174	EA	3/4", Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	71.27	24.67
26 05 33 16-0175	EA	1", Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	79.31	30.83
26 05 33 16-0176	EA	1/2", Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	58.46	20.56
26 05 33 16-0177	EA	3/4", Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	73.91	24.67
26 05 33 16-0178	EA	1/2", Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	79.02	28.77
26 05 33 16-0179	EA	3/4", Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	94.94	34.95
26 05 33 16-0180	EA	1", Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	119.11	43.17
26 05 33 16-0181	EA	1/2", Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	85.54	28.77
26 05 33 16-0182	EA	3/4", Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	91.77	34.95
26 05 33 16-0183	EA	1/2", Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	81.83	28.77
26 05 33 16-0184	EA	3/4", Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	93.98	34.95
26 05 33 16-0185	EA	1/2", Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	79.44	28.77
26 05 33 16-0186	EA	3/4", Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	93.98	34.95
26 05 33 16-0187	EA	1/2", Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	73.91	28.77
26 05 33 16-0188	EA	3/4", Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	99.86	34.95
26 05 33 16-0189	EA	1/2", Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	94.17	37.00
26 05 33 16-0190	EA	3/4", Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	114.42	45.22
26 05 33 16-0191	EA	1/2", Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	99.90	37.00
26 05 33 16-0192	EA	3/4", Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	134.27	45.22
26 05 33 16-0193	EA	1/2", Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	99.42	37.00
26 05 33 16-0194	EA	3/4", Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	121.97	45.22
26 05 33 16-0195	EA	3/4", Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	123.67	45.22
26 05 33 16-0196	EA	1/2", Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	121.22	45.22
26 05 33 16-0197	EA	3/4", Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	147.98	55.51
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small> Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2", Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	68.86	20.56
26 05 33 16-0200	EA	3/4", Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	82.49	24.67
26 05 33 16-0201	EA	1", Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	94.73	30.83
26 05 33 16-0202	EA	3/4", Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	88.56	24.67
26 05 33 16-0203	EA	1/2", Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	87.62	28.77
26 05 33 16-0204	EA	3/4", Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	105.50	34.95
26 05 33 16-0205	EA	1", Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	118.12	43.17
26 05 33 16-0206	EA	3/4", Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	106.90	34.95
26 05 33 16-0207	EA	3/4", Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	130.83	45.22
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0209 EA 1/2", Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	82.27	22.61
26 05 33 16-0210 EA 3/4", Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	94.25	26.72
26 05 33 16-0211 EA 1", Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	101.34	32.89
26 05 33 16-0212 EA 1/2", Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	102.92	30.83
26 05 33 16-0213 EA 3/4", Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	105.15	37.00
26 05 33 16-0214 EA 1", Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	129.86	45.22
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2", Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	82.20	22.61
26 05 33 16-0217 EA 3/4", Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	95.16	26.72
26 05 33 16-0218 EA 1/2", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	105.00	30.83
26 05 33 16-0219 EA 3/4", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	119.05	37.00
26 05 33 16-0220 EA 1/2", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	105.00	30.83
26 05 33 16-0221 EA 3/4", Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	119.05	37.00
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2", Type FSC, Shallow, Three Gang Cast Aluminum Box.....	110.22	32.89
26 05 33 16-0224 EA 3/4", Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	123.74	39.06
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4", Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	125.39	28.77
26 05 33 16-0227 EA 1", Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	139.85	34.95
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2", Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	129.84	32.89
26 05 33 16-0230 EA 3/4", Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	160.85	37.00
26 05 33 16-0231 EA 1", Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	147.29	41.11
26 05 33 16-0232 EA 1/2", Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body.....	143.90	37.00
26 05 33 16-0233 EA 3/4", 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	175.36	41.11
26 05 33 16-0234 Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0239 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2", Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	41.75	17.27
26 05 33 16-0237 EA 3/4", Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	47.72	20.15
26 05 33 16-0238 EA 1", Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	54.46	24.47
26 05 33 16-0239 EA 1/2", Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	53.47	23.02
26 05 33 16-0240 EA 3/4", Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	62.85	27.34
26 05 33 16-0241 EA 1", Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	76.23	33.09
26 05 33 16-0242 EA 1/2", Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	53.66	23.02
26 05 33 16-0243 EA 3/4", Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	62.34	27.34
26 05 33 16-0244 EA 1", Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	74.49	33.09
26 05 33 16-0245 EA 1/2", Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	67.76	28.77
26 05 33 16-0246 EA 3/4", Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	77.25	34.54
26 05 33 16-0247 EA 1", Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	91.04	41.73

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0248			Deep, Single Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249	EA		No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	42.31	17.27
26 05 33 16-0250	EA		1/2", Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	41.32	17.27
26 05 33 16-0251	EA		3/4", Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	49.06	20.15
26 05 33 16-0252	EA		1", Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	55.01	24.47
26 05 33 16-0253	EA		1/2", Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	54.58	23.02
26 05 33 16-0254	EA		3/4", Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	61.41	27.34
26 05 33 16-0255	EA		1", Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	73.41	33.09
26 05 33 16-0256			Shallow, Two Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0257	EA		1/2", Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	44.91	18.70
26 05 33 16-0258	EA		3/4", Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	51.46	21.59
26 05 33 16-0259	EA		1", Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	57.44	25.90
26 05 33 16-0260	EA		1/2", Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	55.13	24.47
26 05 33 16-0261	EA		3/4", Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	68.13	28.77
26 05 33 16-0262	EA		1", Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	80.62	34.54
26 05 33 16-0263	EA		1/2", Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	56.44	24.47
26 05 33 16-0264	EA		3/4", Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	71.75	28.77
26 05 33 16-0265	EA		1", Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	77.72	34.54
26 05 33 16-0266	EA		1/2", Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	69.02	30.22
26 05 33 16-0267	EA		3/4", Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	90.68	35.97
26 05 33 16-0268	EA		1", Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	93.83	43.17
26 05 33 16-0269			Poke Thru Units <small>(26 05 33 16)</small>		
26 05 33 16-0270			Surface Poke Thru Units <small>(26 05 33 16-0269)</small>		
			Note: Excludes concrete drilling. See CSI section 27 11 19 00-0115 for jacks.		
26 05 33 16-0271	EA		Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	369.24	30.83
26 05 33 16-0272	EA		Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	235.83	
26 05 33 16-0273	EA		Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	32.56	8.22
26 05 33 16-0274	EA		Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTGBK.	39.53	4.11
26 05 33 16-0275	EA		Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	417.67	32.89
26 05 33 16-0276	EA		Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	220.76	
26 05 33 16-0277	EA		Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	55.87	12.34
26 05 33 16-0278	EA		Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTGBK.	39.53	4.11
26 05 33 16-0279	EA		Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	115.35	8.22
26 05 33 16-0280	EA		Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	330.42	28.77
26 05 33 16-0281	EA		Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTGBK.	27.43	4.11
26 05 33 16-0282	EA		Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	328.89	28.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	38.21	4.11
26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling.		
26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Rewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.68	32.89
26 05 33 16-0287 EA Recessed Rewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.75	32.89
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.10	32.89
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.10	32.89
26 05 33 16-0290 EA Recessed Rewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.68	32.89
26 05 33 16-0291 EA Recessed Rewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.68	32.89
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	520.60	32.89
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	327.27	30.83
26 05 33 16-0294 EA Recessed Rewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	350.78	30.83
26 05 33 16-0295 EA Recessed Rewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	353.11	30.83
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	100.75	16.45
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	229.18	8.22
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	229.18	8.22
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	190.63	8.22
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	27.65	2.05
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	13.81	4.11
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.90	4.11
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	13.75	4.11
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCl's, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	13.79	4.11
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	13.70	4.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	16.12	4.11
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.95	4.11
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	16.33	4.11
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	13.50	4.11
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	13.51	4.11
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	13.33	4.11
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	13.33	4.11
26 05 33 16-0313 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	31.81	6.16
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	12.23	4.11
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	12.53	4.11
26 05 33 16-0316 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	99.02	7.40
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	15.76	4.11
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	16.41	4.11
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	16.87	4.11
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCF). Covers the center compartment and one of the side compartments.	26.08	8.22
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	29.95	10.27
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	32.94	10.27
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	25.07	8.22
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	16.30	4.11
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	16.30	4.11
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	17.16	4.11
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	17.74	4.11
26 05 33 16-0328 Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	746.49	32.89
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	710.62	32.89
26 05 33 16-0331 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	703.87	32.89
26 05 33 16-0332 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	697.47	32.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0333 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	422.18	30.83
26 05 33 16-0334 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	472.71	30.83
26 05 33 16-0335 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	120.47	16.45
26 05 33 16-0336 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	247.79	8.22
26 05 33 16-0337 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	247.79	8.22
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	42.99	2.05
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	14.26	4.11
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.34	4.11
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.43	4.11
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.67	4.11
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	20.12	4.11
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	20.09	4.11
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	13.84	4.11
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	14.01	4.11
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.84	4.11
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.84	4.11
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.81	4.11
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	16.57	4.11
26 05 33 16-0351 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	19.05	4.11
26 05 33 16-0352 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	26.08	8.22

26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)

26 05 33 23-0001 Raceways (26 05 33 23)

26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0004 LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover.....	13.97	3.76
For Combination Hinged Screw Cover, Add	0.32	
For Concrete Or Masonry Surface, Add	0.38	
26 05 33 23-0005 EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover.....	13.62	5.63
For Combination Hinged Screw Cover, Add	0.12	
26 05 33 23-0006 EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover.....	16.40	7.03
For Combination Hinged Screw Cover, Add	0.12	
26 05 33 23-0007 EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	33.18	13.15
For Combination Hinged Screw Cover, Add	0.34	
26 05 33 23-0008 EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover.....	46.87	13.15
For Combination Hinged Screw Cover, Add	1.03	
26 05 33 23-0009 EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover.....	68.77	18.72
For Combination Hinged Screw Cover, Add	1.57	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0010	EA		2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	76.95 1.78	20.67
26 05 33 23-0011			4" x 4", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0012	LF		4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	17.20 0.39 0.47	4.73
26 05 33 23-0013	LF		4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	27.81 0.92 0.47	4.73
26 05 33 23-0014	EA		4" x 4", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	10.71 0.12	4.13
26 05 33 23-0015	EA		4" x 4", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	18.23 0.12	7.89
26 05 33 23-0016	EA		4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	39.65 0.37	16.09
26 05 33 23-0017	EA		4" x 4", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	54.70 1.12	16.09
26 05 33 23-0018	EA		4" x 4", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	75.92 1.70	20.89
26 05 33 23-0019	EA		4" x 4", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	87.93 1.95	24.43
26 05 33 23-0020			6" x 6", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021	LF		6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	24.58 0.66 0.57	5.63
26 05 33 23-0022	LF		6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	43.20 1.60 0.57	5.63
26 05 33 23-0023	EA		6" x 6", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	12.96 0.20	4.51
26 05 33 23-0024	EA		6" x 6", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	22.73 0.20	9.39
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	52.66 0.76	18.72
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	68.55 1.56	18.72
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	102.74 2.80	23.38
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	112.80 2.93	27.06
26 05 33 23-0029			8" x 8", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF		8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	37.20 1.25 0.62	6.17
26 05 33 23-0031	LF		8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	63.72 2.57 0.62	6.17
26 05 33 23-0032	EA		8" x 8", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	14.21 0.22	4.88
26 05 33 23-0033	EA		8" x 8", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	24.72 0.22	10.15
26 05 33 23-0034	EA		8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	58.56 0.87	20.59
26 05 33 23-0035	EA		8" x 8", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	84.37 2.16	20.59
26 05 33 23-0036	EA		8" x 8", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	121.32 3.53	25.41
26 05 33 23-0037	EA		8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	165.53 5.19	30.82
26 05 33 23-0038			10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039	LF		10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	52.55 1.91 0.72	7.14
26 05 33 23-0040	LF		10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	88.43 3.71 0.72	7.14
26 05 33 23-0041	EA		10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	18.88 0.38	5.63
26 05 33 23-0042	EA		10" x 10", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	30.15 0.38	11.28
26 05 33 23-0043	EA		10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	73.91 1.45	22.40
26 05 33 23-0044	EA		10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	125.10 4.01	22.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	184.51 6.40	28.26
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	256.28 9.62	31.95
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	61.89 2.23 0.86	8.64
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	97.95 4.03 0.86	8.64
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	23.65 0.58	6.02
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	35.67 0.58	12.03
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	92.81 2.20	24.43
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	160.61 5.59	24.43
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	205.93 7.29	30.07
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	322.92 12.76	33.83
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059 LF #500, 3/4" x 17/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	3.30 0.11	1.12
26 05 33 23-0060 EA #502 Bushing.....	3.25	1.50
26 05 33 23-0061 EA #504 One Or Two Hole Strap	3.29	1.50
26 05 33 23-0062 EA #506 Connection Cover	3.40	1.50
26 05 33 23-0063 EA #511 Flat 90 Degree Elbow	5.13	1.80
26 05 33 23-0064 EA #512 Flat 45 Degree Elbow	8.44	1.87
26 05 33 23-0065 EA #517 Adjustable Internal Elbow	6.38	2.26
26 05 33 23-0066 EA #518 Adjustable External Elbow	6.24	2.26
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small> Note: Available in ivory and white.		
26 05 33 23-0068 LF #700, 3/4" x 21/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	4.19 0.15	1.50
26 05 33 23-0069 EA #702 Bushing.....	3.33	1.50
26 05 33 23-0070 EA #704 One Or Two Hole Strap	3.44	1.50
26 05 33 23-0071 EA #706 Connection Cover	3.45	1.50
26 05 33 23-0072 EA #711 Flat 90 Degree Elbow	7.61	3.01
26 05 33 23-0073 EA #712 Flat 45 Degree Elbow	11.85	3.01
26 05 33 23-0074 EA #717 Adjustable Internal Elbow	8.20	3.01
26 05 33 23-0075 EA #718 Adjustable External Elbow	7.92	3.01
26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0077 EA #5700F 18" Flex Fitting, For #500 Or 700.....	22.61	2.26
26 05 33 23-0078 EA #5701 Galvanized Coupling, For #500 Or 700.....	3.41	1.50
26 05 33 23-0079 EA #5703 Supporting Clip, For #500 Or 700.....	3.43	1.50
26 05 33 23-0080 EA #5709 Ground Clamp	9.53	2.26
26 05 33 23-0081 EA #5711 Twisted Internal Ell (Right Or Left).....	9.75	3.01
26 05 33 23-0082 EA #5715 Tee.....	11.14	3.76
26 05 33 23-0083 EA #5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2".....	19.73	3.01
26 05 33 23-0084 EA #57242 Utility Box For #200, #500 Or #700.....	14.18	3.01
26 05 33 23-0085 EA #5731 Blank Cover, 2-3/8" Diameter	7.56	1.87
26 05 33 23-0086 EA #5733 Outlet Box, 3" Diameter	17.15	3.01
26 05 33 23-0087 EA #5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep	17.53	3.01
26 05 33 23-0088 EA #5736 Blank Cover, 4-3/8".....	8.02	1.87
26 05 33 23-0089 EA #5737 Extension Box/Open Base, 4-3/4" Diameter	16.42	3.01
26 05 33 23-0090 EA #5737A Extension Box/Open Base, 5-1/2" Diameter.....	16.66	3.01
26 05 33 23-0091 EA #5739A Extension Box/Open Base, 6-3/8" Diameter.....	18.68	3.01
26 05 33 23-0092 EA #5738 Fixture Box/Solid Base, 4-3/4" Diameter.....	15.71	3.01
26 05 33 23-0093 EA #5738A Fixture Box/Solid Base, 5-1/2" Diameter	15.88	3.01

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0094	EA	#5738AF Fan Box/Solid Base, 5-1/2" Diameter	18.03	3.01
26 05 33 23-0095	EA	#5739 Fixture Box/Solid Base, 6-3/8"	17.65	3.01
26 05 33 23-0096	EA	#57240 Standard Switch Box For #200, #500, Or #700.....	21.99	4.88
26 05 33 23-0097	EA	#57243G Duplex Receptacle And Box, Ground, For #200, #500 Or #700.....	33.20	9.39
26 05 33 23-0098	EA	#5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8"	16.63	4.88
26 05 33 23-0099	EA	#5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4"	25.26	4.88
26 05 33 23-0100	EA	#5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4"	29.25	4.88
26 05 33 23-0101	EA	#5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	42.35	4.88
26 05 33 23-0102	EA	#5744S Signal Box 1 Gang.....	22.89	4.13
26 05 33 23-0103	EA	#5744S2 Signal Box 2 Gang.....	25.51	4.13
26 05 33 23-0104	EA	#5744S3 Signal Box 3 Gang.....	39.52	4.13
26 05 33 23-0105	EA	#5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4"	16.39	4.88
26 05 33 23-0106	EA	#5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8"	15.16	4.88
26 05 33 23-0107	EA	#5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8"	20.23	4.88
26 05 33 23-0108	EA	#5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	39.49	4.88
26 05 33 23-0109	EA	#5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	16.29	4.88
26 05 33 23-0110	EA	#5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	21.50	4.88
26 05 33 23-0111	EA	#5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4"	38.87	4.88
26 05 33 23-0112	EA	#5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4"	57.15	4.88
26 05 33 23-0113	EA	#5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4"	97.65	4.88
26 05 33 23-0114	EA	#5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4"	99.38	4.88
26 05 33 23-0115	EA	#5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16"	15.39	4.88
26 05 33 23-0116	EA	#5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16"	15.59	4.88
26 05 33 23-0117	EA	#5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16"	21.14	4.88
26 05 33 23-0118	EA	#5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16"	39.08	4.88
26 05 33 23-0119	EA	#5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	16.37	4.88
26 05 33 23-0120	EA	#5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8"	21.30	4.88
26 05 33 23-0121	EA	#5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4"	30.83	4.88
26 05 33 23-0122	EA	#5760 Blank Ext. Box.....	10.44	1.87
26 05 33 23-0123	EA	#5780 Special Nipple, 1/2"	9.83	1.87
26 05 33 23-0124	EA	#5781 1/2" Box Connector	6.55	1.87
26 05 33 23-0125	EA	#5781A 3/4" Box Connector.....	12.41	2.26
26 05 33 23-0126	EA	#5784 1/2" Elbow Conduit Connector	13.89	2.26
26 05 33 23-0127	EA	#5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box.....	7.74	2.26
26 05 33 23-0128	EA	#5782 1/2" Conduit Connector	6.66	1.87
26 05 33 23-0129	EA	#5782A 3/4" Conduit Connector	15.33	2.26
26 05 33 23-0130	EA	#5786 Offset Connector.....	13.35	2.26
26 05 33 23-0131	EA	#5790B Armor Cable Connector.....	6.74	1.87

26 05 33 23-0132 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05

33 23-0057)

Note: Galvanized finish.

26 05 33 23-0133	LF	#1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway	5.87	1.87
		<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0134	EA	#1500WC Wire Clip	3.55	1.50
26 05 33 23-0135	EA	#1502 Bushing.....	4.41	1.87
26 05 33 23-0136	EA	#1504 2-Hole Strap.....	5.06	2.26
26 05 33 23-0137	EA	#1511 Flat Elbow	19.63	7.14
26 05 33 23-0138	EA	#1517 Internal Elbow	19.63	7.14
26 05 33 23-0139	EA	#1518 External Elbow	21.12	7.14
26 05 33 23-0140	EA	#1528 Utility Box.....	19.66	4.88
26 05 33 23-0141	EA	#1542D Junction Box.....	19.27	4.88
26 05 33 23-0142	EA	#1543GL Duplex Receptacle	37.33	9.39
26 05 33 23-0143	EA	#1546A Single Receptacle Box.....	21.10	4.88
26 05 33 23-0144	EA	#1546B Duplex Receptacle Box	23.60	4.88
26 05 33 23-0145	EA	#1546T Telephone Box.....	23.39	4.88
26 05 33 23-0146	EA	#1585 Combination Connection.....	11.20	2.26

26 05 33 23-0147 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05

33 23-0057)

Note: Galvanized finish.

26 05 33 23-0148	LF	#2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway	10.08	3.38
		<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0149	EA	#2600WC Wire Clip	3.66	1.50
26 05 33 23-0150	EA	#2602 Fiber Bushing.....	4.06	1.50
26 05 33 23-0151	EA	#2611 2-5/8 90 Degree Flat Elbow	13.73	2.63
26 05 33 23-0152	EA	#2642D Junction Box, 5" Diameter	20.46	3.76
26 05 33 23-0153	EA	#2686 Service Fitting	20.97	4.51

26 05 33 23-0154 Two Piece Surface Metal Raceways (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0155 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #200) (26 05 33 23-

0154)

26 05 33 23-0156	LF	#2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover	5.77	1.87
		<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0157	EA	#2000WC Wire Clip	2.70	1.50
26 05 33 23-0158	EA	#2001 Coupling.....	7.32	1.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0159 EA #2003 Supporting Clip	3.42	1.12
26 05 33 23-0160 EA #2006 Cover Clip	3.17	1.12
26 05 33 23-0161 EA #2009 Ground Clamp	7.99	1.87
26 05 33 23-0162 EA #2010A2 Entrance End Fitting	16.25	5.63
26 05 33 23-0163 EA #2010A3 Entrance End Fitting	27.07	7.52
26 05 33 23-0164 EA #2010B Blank End Fitting	4.44	1.87
26 05 33 23-0165 EA #2011 Flat 90 Degree Elbow	14.01	4.88
26 05 33 23-0166 EA #2015 Tee	25.25	7.07
26 05 33 23-0167 EA #2017TC Internal Corner Coupling	9.16	3.76
26 05 33 23-0168 EA #2048 Single Gang device Box	21.07	6.69
26 05 33 23-0169 EA #2048-2 2-Gang device Box	32.42	7.44
26 05 33 23-0170 EA #2051H Flush Plate Adapter	22.79	7.44
26 05 33 23-0171 EA #2089 Side Reducing Connector	18.63	3.76
26 05 33 23-0172 EA #2089E End Reducing Connector	7.61	1.87
26 05 33 23-0173	1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) (26 05 33 23-0154)	
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0174 LF #2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base	4.94	1.87
<i>For Concrete Or Masonry Surface, Add</i>		
	<i>0.19</i>	
26 05 33 23-0175 LF #2400C Raceway Cover	1.82	0.37
26 05 33 23-0176 EA #2400WC Wire Clip	2.69	1.50
26 05 33 23-0177 EA #2401 Coupling	7.27	1.87
26 05 33 23-0178 EA #2401D Raceway Coupling	5.71	1.87
26 05 33 23-0179 EA #2406 Cover Clip	3.27	1.12
26 05 33 23-0180 EA #2407-2CM or 2407-2TJ Device Bracket Frame	22.90	5.63
26 05 33 23-0181 EA #2409 Ground Clamp	6.10	1.50
26 05 33 23-0182 EA #2410A End Fitting	16.05	5.63
26 05 33 23-0183 EA #2410C Entrance End Fitting	23.31	5.63
26 05 33 23-0184 EA #2410B Blank End	4.45	1.87
26 05 33 23-0185 EA #2410D Divided Entrance End Fitting	22.57	5.63
26 05 33 23-0186 EA #2410FC Full Cap Entrance End Fitting	28.03	5.63
26 05 33 23-0187 EA #2411D Divided Flat 90 Degree Elbow	17.65	5.63
26 05 33 23-0188 EA #2411M Flat 90 Degree Elbow	16.93	5.63
26 05 33 23-0189 EA #2415M Tee	19.83	5.56
26 05 33 23-0190 EA #2417D Divided Internal Coupling	16.74	5.56
26 05 33 23-0191 EA #2417M Internal Coupling	16.13	5.56
26 05 33 23-0192 EA #2418M External Coupling	19.51	5.56
26 05 33 23-0193 EA #2444 Extra Deep Switch And Receptacle, 1 Gang	25.12	4.88
26 05 33 23-0194 EA #2444-2 Extra Deep Switch And Receptacle Box, 2 Gang	27.77	4.88
26 05 33 23-0195 EA #2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	28.95	4.88
26 05 33 23-0196 EA #2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	17.89	4.88
26 05 33 23-0197 EA #2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	27.18	4.88
26 05 33 23-0198 EA #2451H 4-1/2" x 4-1/2" Back Feed Fitting	20.48	5.63
26 05 33 23-0199 EA #2475D Bridge Fitting 2400/700/500	62.70	5.63
26 05 33 23-0200 EA #2489 Side Reducing Connector	16.89	3.01
26 05 33 23-0201 EA #2410BD Divided Blank End Fitting	4.55	1.87
26 05 33 23-0202 EA #2410DFO Divided Entrance End Fitting	36.20	5.63
26 05 33 23-0203 EA #2411FO Radiused Flat 90 Degree Elbow	24.77	5.56
26 05 33 23-0204 EA #2411DFO Radiused Divided Flat 90 Degree Elbow	27.53	5.63
26 05 33 23-0205 EA #2415FO Radiused Tee	28.05	5.56
26 05 33 23-0206 EA #2415DFO Radiused Divided Tee	29.43	5.56
26 05 33 23-0207 EA #2417FO Radiused Internal Coupling	24.82	5.56
26 05 33 23-0208 EA #2417DFO Radiused Divided Internal Coupling	25.54	5.56
26 05 33 23-0209 EA #2418FO Radiused External Coupling	26.53	5.56
26 05 33 23-0210 EA #2418DFO Radiused Divided External Coupling	27.20	5.56
26 05 33 23-0211 EA #2444D Divided Extra Deep Switch And Receptacle, 1 Gang	26.79	4.88
26 05 33 23-0212 EA #2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang	37.39	4.88
26 05 33 23-0213 EA #2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	33.03	4.88
26 05 33 23-0214 EA #2450 Device Bracket	8.43	1.87
26 05 33 23-0215	2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05 33 23-0154)	
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0216 LF #3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base	9.51	3.38
<i>For Concrete Or Masonry Surface, Add</i>		
	<i>0.34</i>	
26 05 33 23-0217 LF #3000CE Raceway Cover	2.18	0.37
26 05 33 23-0218 EA #3000WC Wire Clips For Conductors	3.58	1.50
26 05 33 23-0219 EA #3001 Couplings	9.38	1.50
26 05 33 23-0220 EA #3001A Rigid Inside Coupling	8.94	1.87
26 05 33 23-0221 EA #3003 Supporting Clip	6.70	1.87
26 05 33 23-0222 EA #3006E Clip Cover	3.92	1.50
26 05 33 23-0223 EA #3007C Device Brackets	10.07	3.01
26 05 33 23-0224 EA #3008C C-Hanger	10.90	2.26
26 05 33 23-0225 EA #3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors	23.03	7.14
26 05 33 23-0226 EA #3010B Blank End Fittings	8.60	3.01
26 05 33 23-0227 EA #3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit	25.36	7.14
26 05 33 23-0228 EA #3011E Flat 90 Degree Elbow	37.56	9.32
26 05 33 23-0229 EA #3014C Wall Box Connector	28.04	9.39
26 05 33 23-0230 EA #3015E Tee Fitting	52.30	11.65

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0231	EA		#3017TCE Internal Corner Coupling.....	24.91	7.14
26 05 33 23-0232	EA		#3018AE External Corner.....	30.48	7.14
26 05 33 23-0233	EA		#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4".....	22.04	7.14
26 05 33 23-0234	EA		#3028 Utility Box.....	37.78	7.14
26 05 33 23-0235	EA		#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57".....	11.51	1.87
26 05 33 23-0236	EA		#3036HE Blank Cover.....	13.29	1.87
26 05 33 23-0237	EA		#3040CE Switch Cover.....	11.71	1.87
26 05 33 23-0238	EA		#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	38.39	7.14
26 05 33 23-0239	EA		#3046BE Duplex Receptacle Cover.....	12.01	2.26
26 05 33 23-0240			4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) <small>(26 05 33 23-0154)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0241	LF		#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base.....	11.59	3.38
			<i>For Concrete Or Masonry Surface, Add</i>	0.36	
26 05 33 23-0242	LF		#4000C Raceway Cover.....	3.98	0.37
26 05 33 23-0243	LF		#4000D Divider.....	1.97	0.37
26 05 33 23-0244	EA		#4000WC Wire Clips For Conductors.....	4.39	1.87
26 05 33 23-0245	EA		#4001A Couplings.....	11.45	2.26
26 05 33 23-0246	EA		#4001D Divider Clip.....	5.52	2.26
26 05 33 23-0247	EA		#4007C-1 Device Plate, 1 Gang.....	12.37	4.88
26 05 33 23-0248	EA		#4007C-1R Single Device Fitting.....	15.63	4.88
26 05 33 23-0249	EA		#4007C-2 Device Plate, 2 Gang.....	13.12	4.88
26 05 33 23-0250	EA		#4010B Blank End Fittings.....	12.15	3.01
26 05 33 23-0251	EA		#4010DFO Entrance End Fitting.....	46.27	11.58
26 05 33 23-0252	EA		#4011 Flat 90 Degree Elbow.....	42.47	9.39
26 05 33 23-0253	EA		#4012TX Internal Or External 45 Degree Elbow.....	49.34	11.65
26 05 33 23-0254	EA		#4014A Wall Box Connector.....	65.80	11.65
26 05 33 23-0255	EA		#4015 Tee Fitting.....	68.26	11.65
26 05 33 23-0256	EA		#4015D Divided Tee Fitting.....	72.85	11.65
26 05 33 23-0257	EA		#4017 Internal Elbow.....	38.81	11.65
26 05 33 23-0258	EA		#4017N Inverted Internal Elbow.....	42.29	11.65
26 05 33 23-0259	EA		#4017TC Internal Corner Coupling.....	36.51	11.65
26 05 33 23-0260	EA		#4018 External Elbow.....	55.98	11.65
26 05 33 23-0261	EA		#4046A Or B Combination Single Or Double Receptacle And Telephone Outlet Cover.....	18.62	4.88
26 05 33 23-0262	EA		#4046H Tap-Off Fitting.....	16.63	4.88
26 05 33 23-0263	EA		#4046J Combination Single Receptacle And Phone Outlet Center.....	14.34	2.26
26 05 33 23-0264	EA		#4046T Telephone Outlet Cover.....	13.34	1.87
26 05 33 23-0265	EA		#4050 Device Mounting Bracket.....	19.21	4.88
26 05 33 23-0266	EA		#4074A Take-off Connector, #4000 To #3000.....	90.79	11.65
26 05 33 23-0267	EA		#4075D Bridge Fitting.....	80.69	11.65
26 05 33 23-0268	EA		#4086A Panel Connector.....	65.06	22.18
26 05 33 23-0269	EA		#4089 Reducing Connector Fitting.....	40.31	11.65
26 05 33 23-0270	EA		#4011FO Radiused Flat 90 Degree Elbow.....	52.11	9.39
26 05 33 23-0271	EA		#4015FO Radiused Tee Fitting.....	88.40	11.65
26 05 33 23-0272	EA		#4015DFO Radiused Full Capacity Divided Tee Fitting.....	88.11	11.65
26 05 33 23-0273	EA		#4017FO Internal Elbow.....	69.90	11.65
26 05 33 23-0274	EA		#4018FO Radiused External Elbow.....	70.05	11.65
26 05 33 23-0275	EA		#4075DA Bridge Fitting.....	80.69	11.65
26 05 33 23-0276			4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) <small>(26 05 33 23-0154)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0277	LF		#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base.....	16.74	4.13
			<i>For Concrete Or Masonry Surface, Add</i>	0.41	
26 05 33 23-0278	LF		#6000C Raceway Cover.....	4.77	1.12
26 05 33 23-0279	LF		#6000D Divider.....	4.88	1.12
26 05 33 23-0280	EA		#6000WC Wire Clips For Conductors.....	4.95	1.87
26 05 33 23-0281	EA		#6001A Couplings.....	14.11	3.76
26 05 33 23-0282	EA		#6001D Divider Clip.....	6.21	1.87
26 05 33 23-0283	EA		#6001TX Converter Coupling.....	17.72	4.88
26 05 33 23-0284	EA		#6006 Connection Cover.....	17.34	4.88
26 05 33 23-0285	EA		#6007C-1 Single Gang Device Plate.....	17.95	4.88
26 05 33 23-0286	EA		#6007C-2 Two Gang Device Plate.....	19.39	4.88
26 05 33 23-0287	EA		#6008A C-Hanger.....	27.64	7.14
26 05 33 23-0288	EA		#6010B Blank End Fittings.....	31.23	11.28
26 05 33 23-0289	EA		#6011TX Combination Flat Elbow.....	57.19	11.28
26 05 33 23-0290	EA		#6012TX Internal - External 45 Degree Elbow.....	56.72	10.83
26 05 33 23-0291	EA		#6014A Connector Fitting.....	81.99	11.65
26 05 33 23-0292	EA		#6017TX Combination Internal-External Elbow.....	59.46	12.78
26 05 33 23-0293	EA		#6046KD Circuit Breaker Housing.....	98.91	12.78
26 05 33 23-0294	EA		#6074 Take-off Connector, #6000 To #6000.....	103.91	11.28
26 05 33 23-0295	EA		#6074A Take-off Connector, #6000 To #4000.....	103.91	11.28
26 05 33 23-0296	EA		#6086 Panel Connector.....	67.23	26.16
26 05 33 23-0297			Two Piece Surface Aluminum Raceways <small>(26 05 33 23-0056)</small>		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0298				1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0299	LF			#AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base.....	7.51	1.87
				<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0300	LF			#AL2000C Aluminum Raceway Cover.....	3.64	0.37
26 05 33 23-0301	EA			#AL2000WC Wire Clip.....	3.61	1.50
26 05 33 23-0302	EA			#AL2001 Coupling.....	8.05	1.87
26 05 33 23-0303	EA			#AL2003 Supporting Clip.....	3.90	1.12
26 05 33 23-0304	EA			#AL2006 Cover Clip.....	4.92	1.12
26 05 33 23-0305	EA			#AL2009 Ground Clamp.....	7.06	1.87
26 05 33 23-0306	EA			#AL2010A Entrance End Fitting.....	19.75	5.63
26 05 33 23-0307	EA			#AL2010B Blank End Fitting.....	6.40	1.87
26 05 33 23-0308	EA			#AL2011 Flat 90 Degree Elbow.....	22.75	4.88
26 05 33 23-0309	EA			#AL2015 Tee.....	30.89	7.07
26 05 33 23-0310	EA			#AL2017 Internal Corner Elbow.....	20.52	3.76
26 05 33 23-0311	EA			#AL2018 External Corner Elbow.....	20.48	3.76
26 05 33 23-0312	EA			#AL2038 4-13/16" Round Fixture Box.....	76.89	6.69
26 05 33 23-0313	EA			#AL2044 4-1/2" x 3" x 2-1/4" D Box.....	40.19	6.69
26 05 33 23-0314	EA			#AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box.....	70.93	7.44
26 05 33 23-0315	EA			#AL2047 Single Gang Shallow Device Box.....	33.60	6.69
26 05 33 23-0316	EA			#AL2047-2 2-Gang Shallow Device Box.....	62.78	7.44
26 05 33 23-0317	EA			#AL2051H Flush Plate Adapter.....	27.29	7.44
26 05 33 23-0318				2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0319	LF			#AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base.....	7.86	1.87
				<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0320	LF			#AL2400C Aluminum Raceway Cover.....	3.47	0.37
26 05 33 23-0321	EA			#AL2400WC Wire Clip.....	4.65	1.50
26 05 33 23-0322	EA			#AL2401 Coupling.....	9.04	1.87
26 05 33 23-0323	EA			#AL2406 Cover Clip.....	5.97	1.12
26 05 33 23-0324	EA			#AL2409 Ground Clamp.....	5.28	1.50
26 05 33 23-0325	EA			#AL2410B Blank End.....	6.74	1.87
26 05 33 23-0326	EA			#AL2410B2 End Fitting.....	14.89	5.63
26 05 33 23-0327	EA			#AL2411 Flat 90 Degree Elbow.....	25.94	5.63
26 05 33 23-0328	EA			#AL2415 Tee.....	28.14	5.56
26 05 33 23-0329	EA			#AL2416 Fourway Fitting.....	32.79	5.56
26 05 33 23-0330	EA			#AL2417 Internal Coupling.....	25.84	5.56
26 05 33 23-0331	EA			#AL2418 External Coupling.....	27.71	5.56
26 05 33 23-0332	EA			#AL2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	23.29	5.63
26 05 33 23-0333				2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0334	LF			#AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base.....	14.59	3.38
				<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0335	LF			#AL3300CE Aluminum Raceway Cover.....	4.78	0.37
26 05 33 23-0336	LF			#AL3300D Raceway Divider.....	3.17	3.38
26 05 33 23-0337	EA			#AL3300WC Wire Clips For Conductors.....	6.29	1.50
26 05 33 23-0338	EA			#AL3301 Couplings.....	11.80	1.50
26 05 33 23-0339	EA			#AL3301D Divider Coupling.....	9.57	1.87
26 05 33 23-0340	EA			#AL3309 Ground Clamp.....	6.50	1.50
26 05 33 23-0341	EA			#AL3310B Blank End Fittings.....	13.49	3.01
26 05 33 23-0342	EA			#AL3310B1 End Fitting.....	22.51	7.14
26 05 33 23-0343	EA			#AL3311 Flat 90 Degree Elbow.....	65.11	9.32
				Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0344	EA			#AL3315 Tee Fitting.....	74.95	11.65
				Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0345	EA			#AL3316 Cross Fitting.....	84.36	11.65
				Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0346	EA			#AL3317 Internal Elbow.....	60.59	7.14
				Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0347	EA			#AL3318 External Elbow.....	60.66	7.14
				Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0348	EA			#AL3346E Single Receptacle Cover.....	13.54	2.26
26 05 33 23-0349	EA			#AL3346G GFCI/ Surge Receptacle Cover.....	24.06	2.26
26 05 33 23-0350	EA			#AL3356R Single Device Cover Plate.....	13.32	1.87
26 05 33 23-0351				5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0352	LF			#AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base.....	17.50	3.38
				<i>For Concrete Or Masonry Surface, Add</i>	0.36	
26 05 33 23-0353	LF			#AL5200C Aluminum Raceway Cover.....	7.80	0.37
26 05 33 23-0354	LF			#AL5200D Divider.....	4.55	0.37
26 05 33 23-0355	EA			#AL5200WC Wire Clips For Conductors.....	5.79	1.87
26 05 33 23-0356	EA			#AL5200WC2 Wire Clips For Conductors.....	4.87	1.87
26 05 33 23-0357	EA			#AL5200WC3 Wire Clips For Conductors.....	4.84	1.87
26 05 33 23-0358	EA			#AL5201 Couplings.....	11.42	2.26
26 05 33 23-0359	EA			#AL5206 Cover Clip.....	10.04	2.26

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0360 EA #AL5209 Ground Adapter.....	12.57	2.26
26 05 33 23-0361 EA #AL5210B Blank End Fittings.....	13.21	3.01
26 05 33 23-0362 EA #AL5210B1 Blank End Fittings.....	14.16	3.01
26 05 33 23-0363 EA #AL5210B2 Blank End Fittings.....	14.37	3.01
26 05 33 23-0364 EA #AL5210B3 Blank End Fittings.....	13.94	3.01
26 05 33 23-0365 EA #AL5211 Flat 90 Degree Elbow.....	72.15	9.39
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0366 EA #AL5214 Wall Box Connector.....	57.16	11.65
26 05 33 23-0367 EA #AL5215 Tee Fitting.....	84.48	11.65
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0368 EA #AL5216 Four Way Fitting.....	92.57	11.65
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0369 EA #AL5217 Internal Elbow.....	75.08	11.65
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0370 EA #AL5217A Internal Corner Coupling.....	32.51	11.65
26 05 33 23-0371 EA #AL5217N Inverted Internal Elbow.....	77.13	11.65
26 05 33 23-0372 EA #AL5218 External Elbow.....	75.72	11.65
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0373 EA #AL5246B Blank Device Cover Plate.....	16.21	2.26
26 05 33 23-0374 EA #AL5246D Receptacle Device Cover Plate.....	19.17	2.26
26 05 33 23-0375 EA #AL5246DD Double Receptacle Device Cover Plate.....	22.71	2.26
26 05 33 23-0376 EA #AL5246F Device Cover Plate.....	21.31	2.26
26 05 33 23-0377 EA #AL5246G Device Cover Plate.....	19.69	2.26
26 05 33 23-0378 EA #AL5246D2A Device Cover Plate.....	25.77	2.26
26 05 33 23-0379 EA #AL5246DABRT Device Cover Plate.....	27.44	2.26
26 05 33 23-0380 EA #AL5260 Offset Divider.....	18.62	4.88
26 05 33 23-0381 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)		
<small>(26 05 33 23-0297)</small>		
26 05 33 23-0382 LF #ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base.....	15.63	3.38
26 05 33 23-0383 EA #ALA3806 Cover Clip.....	7.45	2.26
26 05 33 23-0384 EA #ALA3810B Blank End Fittings.....	13.11	3.01
26 05 33 23-0385 EA #ALA3810B1 Entrance End Cap Fittings.....	14.06	3.01
26 05 33 23-0386 EA #ALA3811 Flat 90 Degree Elbow.....	71.50	9.39
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0387 EA #ALA3815 Flat Tee Fitting.....	73.93	11.65
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0388 EA #ALA3817 Internal Elbow.....	72.11	11.65
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0389 EA #ALA3817N Inverted Internal Elbow.....	84.70	11.65
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0390 EA #ALA3818 External Elbow.....	73.05	11.65
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0391 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)		
<small>(26 05 33 23-0297)</small>		
26 05 33 23-0392 LF #ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base.....	23.03	3.38
26 05 33 23-0393 EA #ALA4806 Cover Clip.....	10.11	2.26
26 05 33 23-0394 EA #ALA4810B Blank End Fittings.....	13.25	3.01
26 05 33 23-0395 EA #ALA4810B2 Entrance End Cap Fittings.....	14.68	3.01
26 05 33 23-0396 EA #ALA4811 Flat 90 Degree Elbow.....	84.15	9.39
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0397 EA #ALA4812A Flat 45 Degree Internal Elbow.....	87.34	9.39
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0398 EA #ALA4812B Flat 45 Degree External Elbow.....	87.34	9.39
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0399 EA #ALA4815 Flat Tee Fitting.....	114.91	11.65
Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0400 EA #ALA4817 Internal Elbow.....	78.38	11.65
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0401 EA #ALA4817N Inverted Internal Elbow.....	91.84	11.65
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0402 EA #ALA4818 External Elbow.....	82.17	11.65
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0403 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)		
<small>(26 05 33 23-0297)</small>		
26 05 33 23-0404 LF #ALAC-5 3" Wide Aluminum Raceway Cover.....	4.95	0.37
Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0405 EA #ALAWC Wire Clips.....	4.57	1.87
26 05 33 23-0406 EA #ALA01 Slide Couplings.....	11.56	2.26
26 05 33 23-0407 EA #ALA09 Grounding Adapter.....	9.97	2.26
26 05 33 23-0408 EA #ALA11RI Bend Radius Control Insert For Flat Elbow.....	27.17	9.39
26 05 33 23-0409 EA #ALA17A Internal Corner Coupling.....	32.50	11.65
26 05 33 23-0410 EA #ALA17/18RI Bend Radius Control Insert For Internal And External Elbow.....	30.01	9.39
26 05 33 23-0411 EA #ALA-BL Blank Cover Plate.....	12.16	2.26
26 05 33 23-0412 EA #ALA-DR Duplex Receptacle Cover Plate.....	12.94	2.26
26 05 33 23-0413 EA #ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	13.46	2.26
26 05 33 23-0414 EA #ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening.....	14.04	2.26
26 05 33 23-0415 EA #ALA-G GFCI/ Surge/ Decorator Cover Plate.....	13.05	2.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0416 EA #ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening	13.47	2.26
26 05 33 23-0417 EA #ALA-N Toggle Switch Cover Plate	13.80	2.26
26 05 33 23-0418 EA #ALA-LPB Active LPB Cover Plate	17.57	2.26
26 05 33 23-0419 EA #ALA-MAB Active MAB Cover Plate	16.54	2.26
26 05 33 23-0420 EA #ALA-MABRT Ortronics Cover Plate	19.00	2.26
26 05 33 23-0421 EA #ALA-SG 1-3/4" x 2-3/4" Cover Plate	13.83	2.26
26 05 33 23-0422 EA #ALA-2A Active 2A Cover Plate	18.37	2.26
26 05 33 23-0423 EA #ALA-ABRT Ortronics Communications Cover Plate	16.85	2.26
26 05 33 23-0424 EA #ALA-Z 3/4" Grommet/Mousehole Cover Plate	13.77	2.26
26 05 33 23-0425 EA #ALA-LPB3S2 Ortronics Low Profile Cover Plate	16.99	2.26
26 05 33 23-0426 Surface Metal Raceway, Preassembled With Outlets <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0427 LF Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit	23.28	6.00
For Concrete Or Masonry Surface, Add	0.60	
26 05 33 23-0428 LF Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit	18.33	4.28
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0429 LF Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit	16.89	4.52
For Concrete Or Masonry Surface, Add	0.45	
26 05 33 23-0430 LF Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit	15.91	4.28
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0431 LF Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit	14.82	4.36
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0432 LF Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits	21.92	4.28
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0433 LF Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits	18.91	4.28
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0434 LF Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits	17.75	4.28
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0435 Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0436 One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0435)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0437 #400, 7/8" x 7/16" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0438 LF #400BC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover	4.80	1.50
For Adhesive Back, Add	0.00	
For Concrete Or Masonry Surface, Add	0.15	
26 05 33 23-0439 EA #400WC Wire Clip	3.30	1.50
26 05 33 23-0440 EA #406 Cover Clip	3.48	1.50
26 05 33 23-0441 EA #410B Blank End Clip	6.69	3.01
26 05 33 23-0442 EA #411 Flat 90 Degree Elbow	7.81	3.01
26 05 33 23-0443 EA #415 Tee	9.86	3.76
26 05 33 23-0444 EA #417 Internal Elbow	7.68	3.01
26 05 33 23-0445 EA #418 External Elbow	7.68	3.01
26 05 33 23-0446 #800, 1-5/16" x 7/16" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0447 LF #800BC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover	5.09	1.50
For Adhesive Back, Add	0.03	
For Concrete Or Masonry Surface, Add	0.15	
26 05 33 23-0448 EA #800WC Wire Clip	3.36	1.50
26 05 33 23-0449 EA #806 Cover Clip	3.43	1.50
26 05 33 23-0450 EA #810A2 Entrance End Fitting	11.66	3.01
26 05 33 23-0451 EA #810B Blank End Fitting	6.77	3.01
26 05 33 23-0452 EA #811 Flat 90 Degree Elbow	7.88	3.01
26 05 33 23-0453 EA #815 Tee	9.93	3.76
26 05 33 23-0454 EA #817 Internal Elbow	7.74	3.01
26 05 33 23-0455 EA #818 External Elbow	7.74	3.01
26 05 33 23-0456 EA #889A End Reducer, #800 To #400	8.75	3.01
26 05 33 23-0457 #2300, 2-1/4" x 11/16" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0458 LF #2300BC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover	5.89	1.50
For Adhesive Back, Add	0.15	
For Concrete Or Masonry Surface, Add	0.15	
26 05 33 23-0459 EA #2300WC Wire Clip	3.41	1.50
26 05 33 23-0460 EA #2306 Cover Clip	3.73	1.50
26 05 33 23-0461 EA #2310A Entrance End Fitting	11.55	3.01
26 05 33 23-0462 EA #2310B Blank End Fitting	7.16	3.01
26 05 33 23-0463 EA #2310D Divided Entrance End Fitting	13.78	3.01
26 05 33 23-0464 EA #2311 Flat 90 Degree Elbow	8.03	3.01
26 05 33 23-0465 EA #2311D Divided Flat 90 Degree Elbow	8.94	3.01
26 05 33 23-0466 EA #2315 Tee	9.96	3.76
26 05 33 23-0467 EA #2317 Internal Elbow	8.03	3.01

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0468	EA		#2317D Divided Internal Elbow.....	8.95	3.01
26 05 33 23-0469	EA		#2318 External Elbow.....	8.03	3.01
26 05 33 23-0470	EA		#2318D Divided External Elbow.....	9.07	3.01
26 05 33 23-0471	EA		#2389A End Reducer, #2300 To #800.....	9.37	3.01
26 05 33 23-0472	EA		#2389 End Reducer, #2300 To #400.....	9.01	3.01
26 05 33 23-0473			#400, #800 Or #2300 Fittings <small>(26 05 33 23-0436)</small>		
26 05 33 23-0474	EA		#2336 Blank Cover, 4-1/2" Diameter.....	10.10	2.63
26 05 33 23-0475	EA		#2337A Extension Box, 5-1/2" Diameter.....	16.76	3.01
26 05 33 23-0476	EA		#2338-A Fixture Box, 5-1/2" Diameter.....	16.76	3.01
26 05 33 23-0477	EA		#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	15.01	3.01
26 05 33 23-0478	EA		#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	17.23	3.01
26 05 33 23-0479	EA		#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide.....	14.53	4.88
26 05 33 23-0480	EA		#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide.....	16.83	4.88
26 05 33 23-0481	EA		#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	15.17	4.88
26 05 33 23-0482	EA		#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	18.52	4.88
26 05 33 23-0483	EA		#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide.....	23.11	4.88
26 05 33 23-0484	EA		#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	14.35	4.88
26 05 33 23-0485			#2700, 3/4" x 3/8" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0486	LF		#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover.....	4.20	1.50
			<i>For Concrete Or Masonry Surface, Add</i>	0.15	
26 05 33 23-0487	EA		#2700WC 3/4" Wire Clip.....	1.75	0.75
26 05 33 23-0488	EA		#2706 Cover Clip.....	2.69	0.75
26 05 33 23-0489	EA		#2710B Blank End.....	4.20	1.50
26 05 33 23-0490	EA		#2711 Flat 90 Degree Elbow.....	4.95	1.87
26 05 33 23-0491	EA		#2715 Tee.....	7.96	3.38
26 05 33 23-0492	EA		#2717 Internal Elbow.....	5.70	2.26
26 05 33 23-0493	EA		#2718 External Elbow.....	5.70	2.26
26 05 33 23-0494	EA		#2786 Drop Ceiling Connector.....	6.76	2.63
26 05 33 23-0495			#2800, 1" x 1/2" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0496	LF		#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover.....	5.28	1.87
			<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0497	EA		#2800WC 1" Wire Clip.....	2.61	1.12
26 05 33 23-0498	EA		#2806 Cover Clip.....	3.55	1.12
26 05 33 23-0499	EA		#2810B Blank End.....	5.05	1.87
26 05 33 23-0500	EA		#2811 Flat 90 Degree Elbow.....	6.55	2.63
26 05 33 23-0501	EA		#2815 Tee.....	9.56	4.13
26 05 33 23-0502	EA		#2817 Internal Elbow.....	7.31	3.01
26 05 33 23-0503	EA		#2818 External Elbow.....	7.31	3.01
26 05 33 23-0504	EA		#2811FO Radiused Flat 90 Degree Elbow.....	7.15	2.63
26 05 33 23-0505	EA		#2815FO Radiused Tee.....	10.33	4.13
26 05 33 23-0506	EA		#2817FO Radiused Internal Elbow.....	7.99	3.01
26 05 33 23-0507	EA		#2818FO Radiused External Elbow.....	7.91	3.01
26 05 33 23-0508	EA		#2886 Drop Ceiling Connector.....	8.27	3.38
26 05 33 23-0509	EA		#2889 2800-2700 Reducer.....	7.52	3.01
26 05 33 23-0510			#2900, 1-1/2" x 3/4" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0511	LF		#2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.44	2.26
			<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0512	EA		#2900WC 1-1/2" Wire Clip.....	3.45	1.50
26 05 33 23-0513	EA		#2906 Cover Clip.....	4.37	1.50
26 05 33 23-0514	EA		#2910B Blank End.....	5.87	2.26
26 05 33 23-0515	EA		#2911 Flat 90 Degree Elbow.....	7.38	3.01
26 05 33 23-0516	EA		#2911FO Radiused Flat 90 Degree Elbow.....	8.25	3.01
26 05 33 23-0517	EA		#2915 Tee.....	10.38	4.51
26 05 33 23-0518	EA		#2915FO Radiused Tee.....	11.27	4.51
26 05 33 23-0519	EA		#2917FO Radiused Internal Elbow.....	9.04	3.38
26 05 33 23-0520	EA		#2917 Internal Elbow.....	8.13	3.38
26 05 33 23-0521	EA		#2918 External Elbow.....	8.13	3.38
26 05 33 23-0522	EA		#2918FO Radiused External Elbow.....	9.25	3.38
26 05 33 23-0523	EA		#2986 Drop Ceiling Connector.....	8.27	3.38
26 05 33 23-0524	EA		#2989 2900-2800 Reducer.....	9.20	3.76
26 05 33 23-0525	EA		#2989A 2900-2700 Reducer.....	9.00	3.76
26 05 33 23-0526			Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0435)</small>		
			Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0527			#5000, 5" x 1" <small>(26 05 33 23-0526)</small>		
26 05 33 23-0528	LF		#5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base.....	10.15	3.38
			<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0529	LF		#5000C Cover, Black, Gray Or White.....	9.58	3.38
26 05 33 23-0530	LF		#5000C Cover, Vinyl, Black Or Gray.....	9.58	3.38
26 05 33 23-0531	LF		#5000C Cover, Oak Veneer.....	16.19	3.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0532 LF #5000C Cover, Wood.....	13.45	3.38
26 05 33 23-0533 LF #5000T Quarter Round Trim, Black, Gray Or White.....	1.40	0.37
26 05 33 23-0534 LF #5000T Quarter Round Trim, Vinyl, Black Or Gray.....	1.40	0.37
26 05 33 23-0535 LF #5000T Quarter Round Trim, Oak Veneer.....	4.82	0.37
26 05 33 23-0536 LF #5000T Quarter Round Trim, Wood Veneer.....	3.04	0.37
26 05 33 23-0537 EA #5001 Base Coupling.....	9.31	3.76
26 05 33 23-0538 EA #5004 Blank/Coax Adapter.....	5.48	1.87
26 05 33 23-0539 EA #5005 Low Voltage Blank Plate.....	7.32	2.26
26 05 33 23-0540 EA #5006 Cover Clip.....	10.26	3.76
26 05 33 23-0541 EA #5006A Internal Wire Guard.....	9.36	3.76
26 05 33 23-0542 EA #5007C Device Bracket.....	10.83	3.76
26 05 33 23-0543 EA #5007C-1 Device Plate.....	19.86	7.52
26 05 33 23-0544 EA #5007C-2 Deep Device Plate.....	20.10	7.52
26 05 33 23-0545 EA #5010 End Cap, Right Or Left.....	17.00	7.14
26 05 33 23-0546 EA #5010A Entrance End Feed.....	33.61	11.65
26 05 33 23-0547 EA #5017B Internal Base Elbow.....	22.82	9.39
26 05 33 23-0548 EA #5017C Internal Cover Elbow.....	20.96	7.52
26 05 33 23-0549 EA #5017WG Internal Elbow Wire Guard.....	14.25	5.63
26 05 33 23-0550 EA #5018B External Base Elbow.....	22.88	9.39
26 05 33 23-0551 EA #5018C External Cover Elbow.....	21.53	7.52
26 05 33 23-0552 EA #5018WG External Elbow Wire Guard.....	9.47	3.76
26 05 33 23-0553 #5400, 5-1/4" x 1-11/16" <small>(26 05 33 23-0526)</small>		
26 05 33 23-0554 LF #5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	10.87	3.38
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.34</i>
26 05 33 23-0555 LF #5400TC Twin Snap Cover.....	2.37	0.37
26 05 33 23-0556 EA #5400TWC Twin Snap Cover Wire Clips.....	4.19	1.87
26 05 33 23-0557 EA #5406A Cover Clip.....	5.94	2.26
26 05 33 23-0558 EA #5408 Transition Fitting.....	42.04	11.65
26 05 33 23-0559 EA #5450 5-5/32" x 6" Device Bracket.....	16.25	3.76
26 05 33 23-0560 EA #5450A3 7-19/32" x 7-1/2" Device Bracket.....	21.57	3.76
26 05 33 23-0561 EA #5410 End Cap.....	19.59	7.14
26 05 33 23-0562 EA #5410DFO Radiused Divided Entrance Cap Fitting.....	38.59	11.65
26 05 33 23-0563 EA #5411FO Radiused Flat 90 Degree Elbow.....	35.11	9.39
26 05 33 23-0564 EA #5415 Tee Fitting.....	40.61	11.65
26 05 33 23-0565 EA #5417FO Radiused Internal Elbow.....	33.65	11.65
26 05 33 23-0566 EA #5418 External Elbow.....	34.15	11.65
26 05 33 23-0567 EA #5474 Transition Fitting.....	35.51	11.65
26 05 33 23-0568 #5500, 6-11/16" x 1-11/16" <small>(26 05 33 23-0526)</small>		
26 05 33 23-0569 LF #5500BD Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	13.67	3.38
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.34</i>
26 05 33 23-0570 LF #5500C Cover.....	4.96	0.37
26 05 33 23-0571 LF #5500D Divider.....	2.22	0.37
26 05 33 23-0572 EA #5500WC Wire Clips.....	4.91	1.87
26 05 33 23-0573 EA #5506 Cover Clip.....	8.02	2.26
26 05 33 23-0574 EA #5506B Base Seam Clip Fitting.....	5.71	2.26
26 05 33 23-0575 EA #5507AD Modular Furniture Adapter.....	7.62	2.26
26 05 33 23-0576 EA #5507B Blank Faceplate.....	7.44	2.26
26 05 33 23-0577 EA #5507D Duplex Receptacle Faceplate.....	7.69	2.26
26 05 33 23-0578 EA #5507FRJ Dual RJ Connector Faceplate.....	7.68	2.26
26 05 33 23-0579 EA #5507R Rectangular Receptacle Faceplate.....	7.69	2.26
26 05 33 23-0580 EA #5507RJ Dual RJ Connector Faceplate.....	7.69	2.26
26 05 33 23-0581 EA #5507S Rectangular Spacer Fitting.....	7.63	2.26
26 05 33 23-0582 EA #5507SW Switch Faceplate.....	7.44	2.26
26 05 33 23-0583 EA #5507T1 Twistlock Faceplate.....	7.62	2.26
26 05 33 23-0584 EA #5507T2 Single Receptacle Faceplate.....	7.73	2.26
26 05 33 23-0585 EA #5550 6-5/8" x 6" Device Bracket.....	19.33	3.76
26 05 33 23-0586 EA #5550A4 9-5/8" x 7-1/2" Device Bracket.....	27.03	3.76
26 05 33 23-0587 EA #5510 End Cap.....	21.43	7.14
26 05 33 23-0588 EA #5510D Entrance End Fitting.....	44.02	11.65
26 05 33 23-0589 EA #5511FO Radiused Flat 90 Degree Elbow.....	40.76	9.39
26 05 33 23-0590 EA #5514A Backfeed Connector.....	31.78	9.39
26 05 33 23-0591 EA #5515 Tee Fitting.....	46.65	11.65
26 05 33 23-0592 EA #5517FO Radiused Internal Elbow.....	37.27	11.65
26 05 33 23-0593 EA #5518 External Elbow.....	38.38	11.65
26 05 33 23-0594 EA #5518FO Radiused External Elbow.....	39.40	11.65
26 05 33 23-0595 EA #5574 Transition Fitting.....	40.22	11.65
26 05 33 23-0596 EA #5574A Transition Fitting.....	49.82	11.65

26 05 36 Cable Trays For Electrical Systems (26 05)

26 05 36 00-0001 **Cable Trays** (26 05 36)

Note: Excludes supporting hangers.

26 05 36 00-0002 **Ladder Bottom Galvanized Steel Cable Tray** (26 05 36 00-0001)

26 05 36 00-0003 **4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray** (26 05 36 00-0002)

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0005 LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.98	7.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.64	
26 05 36 00-0006 LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.76	8.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.77	
26 05 36 00-0007 LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.03	9.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.94	
26 05 36 00-0008 LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.81	9.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.18	
26 05 36 00-0009 LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	32.39	10.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.41	
26 05 36 00-0010 LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.12	11.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.95	
26 05 36 00-0011 LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.03	13.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.30	
26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0013 LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.83	7.73
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.54	
26 05 36 00-0014 LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.54	8.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.67	
26 05 36 00-0015 LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.20	8.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.77	
26 05 36 00-0016 LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.42	9.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.96	
26 05 36 00-0017 LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.34	9.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.12	
26 05 36 00-0018 LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	34.37	11.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.50	
26 05 36 00-0019 LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.59	12.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.73	
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0021 LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.11	7.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.48	
26 05 36 00-0022 LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.78	7.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.52	
26 05 36 00-0023 LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.80	8.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.68	
26 05 36 00-0024 LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.88	8.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.85	
26 05 36 00-0025 LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.78	9.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.02	
26 05 36 00-0026 LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	30.26	9.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.21	
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	32.57	10.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.37	
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.45	7.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.43	
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.87	7.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.46	
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.08	7.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.55	
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.35	8.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.65	
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.14	8.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.72	
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.56	8.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.91	
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.97	9.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.01	
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.14	7.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.42	
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.51	7.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.44	
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.71	7.73
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	22.78	8.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.60	
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	23.12	8.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.63	
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	24.61	8.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.73	
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	25.71	9.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.81	
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	190.37	82.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.17	
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	213.72	93.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.54	
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	235.23	103.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.87	
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	292.83	127.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.68	
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	334.34	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.26	
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	393.45	164.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.64	
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	452.80	187.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.62	
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	252.22	85.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.07	
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	276.95	98.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.48	
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	299.56	109.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.82	
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	352.97	136.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.95	
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	398.53	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.69	
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	445.88	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.65	
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	520.90	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.79	
26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	270.43	89.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.57	
26 05 36 00-0063 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	300.65	103.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.42	
26 05 36 00-0064 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	327.22	116.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.04	
26 05 36 00-0065 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	396.54	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.48	
26 05 36 00-0066 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	454.01	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.11	
26 05 36 00-0067 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.63	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.62	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0068	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	606.62 -41.34	231.87
26 05 36 00-0069			12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	140.78 -23.55 -42.57 -9.10	59.77
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	162.31 -26.09 -47.47 -10.26	71.70
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	181.59 -28.41 -51.91 -11.31	82.23
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	220.25 -32.85 -60.52 -13.37	103.93
26 05 36 00-0074	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	272.66 -41.19 -75.71 -16.66	127.29
26 05 36 00-0075	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	320.89 -49.87 -91.24 -19.91	146.11
26 05 36 00-0076	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	366.59 -55.22 -101.56 -22.36	171.52
26 05 36 00-0077			24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0078	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	154.84 -27.47 -49.21 -10.35	61.67
26 05 36 00-0079	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	179.39 -30.70 -55.30 -11.74	74.33
26 05 36 00-0080	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	205.25 -34.83 -62.82 -13.37	85.84
26 05 36 00-0081	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	246.60 -39.35 -71.68 -15.52	109.61
26 05 36 00-0082	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	304.22 -48.21 -87.91 -19.08	136.17
26 05 36 00-0083	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	355.66 -56.83 -103.49 -22.41	157.96
26 05 36 00-0084	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	419.27 -66.29 -120.92 -26.26	188.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0085				36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0086	EA			6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	180.83	63.64
				<i>For 60 Degree Bend, Deduct</i>	-35.29	
				<i>For 30 Degree Bend, Deduct</i>	-62.35	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.78	
26 05 36 00-0087	EA			9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.81	77.29
				<i>For 60 Degree Bend, Deduct</i>	-38.95	
				<i>For 30 Degree Bend, Deduct</i>	-69.22	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.34	
26 05 36 00-0088	EA			12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	230.19	89.71
				<i>For 60 Degree Bend, Deduct</i>	-41.58	
				<i>For 30 Degree Bend, Deduct</i>	-74.28	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.54	
26 05 36 00-0089	EA			18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.99	116.10
				<i>For 60 Degree Bend, Deduct</i>	-48.21	
				<i>For 30 Degree Bend, Deduct</i>	-86.80	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.42	
26 05 36 00-0090	EA			24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.02	146.11
				<i>For 60 Degree Bend, Deduct</i>	-54.87	
				<i>For 30 Degree Bend, Deduct</i>	-99.57	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.42	
26 05 36 00-0091	EA			30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.26	171.52
				<i>For 60 Degree Bend, Deduct</i>	-67.98	
				<i>For 30 Degree Bend, Deduct</i>	-122.83	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.23	
26 05 36 00-0092	EA			36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.87	207.62
				<i>For 60 Degree Bend, Deduct</i>	-78.43	
				<i>For 30 Degree Bend, Deduct</i>	-142.26	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.58	
26 05 36 00-0093				12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0094	EA			6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.33	82.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.38	
26 05 36 00-0095	EA			9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.35	93.90
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.51	
26 05 36 00-0096	EA			12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.08	103.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.56	
26 05 36 00-0097	EA			18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.19	127.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.81	
26 05 36 00-0098	EA			24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.61	146.11
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.68	
26 05 36 00-0099	EA			30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.14	164.45
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.81	
26 05 36 00-0100	EA			36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.95	187.72
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.05	
26 05 36 00-0101				24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0102	EA			6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.26	85.76
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.38	
26 05 36 00-0103	EA			9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.01	98.67
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.68	
26 05 36 00-0104	EA			12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.04	109.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.97	
26 05 36 00-0105	EA			18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.46	136.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.70	
26 05 36 00-0106	EA			24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.02	157.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.04	
26 05 36 00-0107	EA			30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.61	179.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.42	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0108	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....475.15 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -30.21	475.15	207.62
26 05 36 00-0109			36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0110	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....273.97 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -19.93	273.97	89.62
26 05 36 00-0111	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....302.12 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -21.56	302.12	103.85
26 05 36 00-0112	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....324.16 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -22.74	324.16	116.10
26 05 36 00-0113	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....384.65 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -26.29	384.65	146.11
26 05 36 00-0114	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....428.49 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -28.55	428.49	171.52
26 05 36 00-0115	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....491.01 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -32.66	491.01	197.35
26 05 36 00-0116	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....559.00 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -36.58	559.00	231.87
26 05 36 00-0117			12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0118	EA		6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....367.79 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -23.62	367.79	157.96
26 05 36 00-0119	EA		9" HWide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....398.29 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -25.53	398.29	171.52
26 05 36 00-0120	EA		12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....417.42 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -26.80	417.42	179.25
26 05 36 00-0121	EA		18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....464.71 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -30.03	464.71	197.35
26 05 36 00-0122	EA		24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....524.35 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -34.18	524.35	219.04
26 05 36 00-0123	EA		30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....577.57 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -38.40	577.57	232.28
26 05 36 00-0124	EA		36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....653.72 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -43.46	653.72	262.95
26 05 36 00-0125			24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126	EA		6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....449.81 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -30.69	449.81	171.52
26 05 36 00-0127	EA		9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....485.07 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -32.84	485.07	188.04
26 05 36 00-0128	EA		12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....506.86 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -34.24	506.86	197.35
26 05 36 00-0129	EA		18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....530.24 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -34.77	530.24	219.04
26 05 36 00-0130	EA		24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....620.31 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -41.47	620.31	246.68
26 05 36 00-0131	EA		30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....666.21 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -44.71	666.21	262.95
26 05 36 00-0132	EA		36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....798.22 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -54.51	798.22	303.83
26 05 36 00-0133			36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	558.44	188.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.18	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	600.51	207.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.75	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.74	219.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.42	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	703.04	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.75	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.70	281.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.40	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.35	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.22	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	983.15	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.44	
26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	421.52	146.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.97	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	432.67	151.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.61	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	444.28	157.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.27	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	470.10	171.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.72	
26 05 36 00-0146 EA 24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	486.10	179.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.67	
26 05 36 00-0147 EA 30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	528.71	197.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.43	
26 05 36 00-0148 EA 36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	572.74	219.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.02	
26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0150 EA 6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	584.77	157.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.32	
26 05 36 00-0151 EA 9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	600.35	164.45
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.33	
26 05 36 00-0152 EA 12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.84	171.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.39	
26 05 36 00-0153 EA 18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	653.67	188.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.70	
26 05 36 00-0154 EA 24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.57	197.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.41	
26 05 36 00-0155 EA 30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	724.16	219.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.16	
26 05 36 00-0156 EA 36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.78	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.02	
26 05 36 00-0157 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0158 EA 6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	886.90	171.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.40	
26 05 36 00-0159 EA 9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.58	179.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0160 EA 12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	929.97	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.33	
26 05 36 00-0161 EA 18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.47	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.74	
26 05 36 00-0162 EA 24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.34	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.48	
26 05 36 00-0163 EA 30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,066.76	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.12	
26 05 36 00-0164 EA 36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,132.76	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.81	
26 05 36 00-0165 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0166 EA 6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	458.47	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.40	
26 05 36 00-0167 EA 9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	481.87	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.88	
26 05 36 00-0168 EA 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	513.42	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.09	
26 05 36 00-0169 EA 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	549.47	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.59	
26 05 36 00-0170 EA 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	619.38	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.02	
26 05 36 00-0171 EA 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	686.30	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.16	
26 05 36 00-0172 EA 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	748.27	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.51	
26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0174 EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.45	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.39	
26 05 36 00-0175 EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	646.25	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.27	
26 05 36 00-0176 EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.07	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.25	
26 05 36 00-0177 EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.41	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.33	
26 05 36 00-0178 EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	809.15	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.60	
26 05 36 00-0179 EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	871.30	328.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.72	
26 05 36 00-0180 EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	972.22	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.34	
26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0182 EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	762.36	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.68	
26 05 36 00-0183 EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	805.14	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.60	
26 05 36 00-0184 EA 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	851.77	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.71	
26 05 36 00-0185 EA 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	927.79	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.46	
26 05 36 00-0186 EA 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.88	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0187 EA 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,164.09	394.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.57	
26 05 36 00-0188 EA 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,277.90	438.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.21	
26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190 EA 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	516.77	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.23	
26 05 36 00-0191 EA 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	543.10	207.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.00	
26 05 36 00-0192 EA 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	580.08	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.76	
26 05 36 00-0193 EA 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	622.67	232.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.90	
26 05 36 00-0194 EA 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.87	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.17	
26 05 36 00-0195 EA 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	784.17	281.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.94	
26 05 36 00-0196 EA 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	856.53	303.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.37	
26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198 EA 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	729.54	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.70	
26 05 36 00-0199 EA 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	762.86	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.93	
26 05 36 00-0200 EA 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.19	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.26	
26 05 36 00-0201 EA 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	850.26	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.11	
26 05 36 00-0202 EA 24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	945.43	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.23	
26 05 36 00-0203 EA 30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,016.71	328.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.26	
26 05 36 00-0204 EA 36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,140.81	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.20	
26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206 EA 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	920.42	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.49	
26 05 36 00-0207 EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.22	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.11	
26 05 36 00-0208 EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,023.88	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.92	
26 05 36 00-0209 EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,117.45	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.43	
26 05 36 00-0210 EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,276.62	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.78	
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,392.39	394.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.40	
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,523.76	438.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.80	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	182.80 -11.41	82.48
26 05 36 00-0216 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	205.55 -12.73	93.90
26 05 36 00-0217 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	226.35 -13.98	103.85
26 05 36 00-0218 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	281.31 -17.52	127.29
26 05 36 00-0219 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	321.37 -19.96	146.11
26 05 36 00-0220 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	376.40 -23.94	164.45
26 05 36 00-0221 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	432.87 -27.62	187.96
26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	236.61 -16.51	85.76
26 05 36 00-0224 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	260.86 -17.87	98.59
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	282.87 -19.15	109.61
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	334.96 -22.15	136.17
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	379.20 -24.76	157.96
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	424.86 -27.55	179.25
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	495.92 -32.29	207.62
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	253.14 -17.84	89.62
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	282.40 -19.60	103.76
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	308.13 -21.13	116.10
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	374.69 -25.29	146.11
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	430.00 -28.71	171.52
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	501.81 -33.74	197.35
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	575.15 -38.20	231.87
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	134.89	59.77
<i>For 60 Degree Bend, Deduct</i>	-21.61	
<i>For 30 Degree Bend, Deduct</i>	-39.33	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.51	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	156.18	71.70
<i>For 60 Degree Bend, Deduct</i>	-24.07	
<i>For 30 Degree Bend, Deduct</i>	-44.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.65	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	175.23	82.23
<i>For 60 Degree Bend, Deduct</i>	-26.31	
<i>For 30 Degree Bend, Deduct</i>	-48.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.67	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	213.53	103.93
<i>For 60 Degree Bend, Deduct</i>	-30.63	
<i>For 30 Degree Bend, Deduct</i>	-56.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.69	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.01	127.29
<i>For 60 Degree Bend, Deduct</i>	-38.33	
<i>For 30 Degree Bend, Deduct</i>	-70.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.79	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.84	146.11
<i>For 60 Degree Bend, Deduct</i>	-46.23	
<i>For 30 Degree Bend, Deduct</i>	-85.17	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.81	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.07	171.52
<i>For 60 Degree Bend, Deduct</i>	-51.42	
<i>For 30 Degree Bend, Deduct</i>	-95.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.21	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0247 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	147.40	61.67
<i>For 60 Degree Bend, Deduct</i>	-25.01	
<i>For 30 Degree Bend, Deduct</i>	-45.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.60	
26 05 36 00-0248 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	171.46	74.33
<i>For 60 Degree Bend, Deduct</i>	-28.08	
<i>For 30 Degree Bend, Deduct</i>	-50.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.95	
26 05 36 00-0249 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.37	85.84
<i>For 60 Degree Bend, Deduct</i>	-31.90	
<i>For 30 Degree Bend, Deduct</i>	-57.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.48	
26 05 36 00-0250 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	237.48	109.61
<i>For 60 Degree Bend, Deduct</i>	-36.34	
<i>For 30 Degree Bend, Deduct</i>	-66.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.61	
26 05 36 00-0251 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.17	136.17
<i>For 60 Degree Bend, Deduct</i>	-44.56	
<i>For 30 Degree Bend, Deduct</i>	-81.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.97	
26 05 36 00-0252 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.45	157.96
<i>For 60 Degree Bend, Deduct</i>	-52.47	
<i>For 30 Degree Bend, Deduct</i>	-96.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.09	
26 05 36 00-0253 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.14	188.04
<i>For 60 Degree Bend, Deduct</i>	-61.29	
<i>For 30 Degree Bend, Deduct</i>	-112.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.75	
26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	170.14	63.64
<i>For 60 Degree Bend, Deduct</i>	-31.76	
<i>For 30 Degree Bend, Deduct</i>	-56.47	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.71	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.52	77.29
			<i>For 60 Degree Bend, Deduct</i>	-35.23	
			<i>For 30 Degree Bend, Deduct</i>	-63.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.21	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.67	89.71
			<i>For 60 Degree Bend, Deduct</i>	-37.78	
			<i>For 30 Degree Bend, Deduct</i>	-67.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.39	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.50	116.10
			<i>For 60 Degree Bend, Deduct</i>	-44.08	
			<i>For 30 Degree Bend, Deduct</i>	-79.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.17	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.81	146.11
			<i>For 60 Degree Bend, Deduct</i>	-50.51	
			<i>For 30 Degree Bend, Deduct</i>	-92.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.10	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.21	171.52
			<i>For 60 Degree Bend, Deduct</i>	-62.35	
			<i>For 30 Degree Bend, Deduct</i>	-113.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.53	
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	459.90	207.62
			<i>For 60 Degree Bend, Deduct</i>	-72.17	
			<i>For 30 Degree Bend, Deduct</i>	-131.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.69	
26 05 36 00-0262			12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	197.11	82.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.86	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.01	93.90
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.97	
26 05 36 00-0265	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.55	103.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.00	
26 05 36 00-0266	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.14	127.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.31	
26 05 36 00-0267	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.61	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.08	
26 05 36 00-0268	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.66	164.45
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.16	
26 05 36 00-0269	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.22	187.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.38	
26 05 36 00-0270			24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.88	85.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.64	
26 05 36 00-0272	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.45	98.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.92	
26 05 36 00-0273	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	273.17	109.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0274	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.17	136.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.87	
26 05 36 00-0275	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.32	157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.17	
26 05 36 00-0276	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.42	179.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.50	
26 05 36 00-0277	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.82	207.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.18	
26 05 36 00-0278			36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	264.01	89.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.93	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	291.79	103.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.53	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	313.71	116.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.69	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	373.37	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.16	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	417.09	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.41	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	478.04	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.36	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	545.20	231.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.20	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287 EA 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	359.74	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.81	
26 05 36 00-0288 EA 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	389.65	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.67	
26 05 36 00-0289 EA 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	408.29	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.89	
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	454.26	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.98	
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	512.10	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.95	
26 05 36 00-0292 EA 30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	562.92	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.94	
26 05 36 00-0293 EA 36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	637.15	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.80	
26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295 EA 6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	437.20	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.43	
26 05 36 00-0296 EA 9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.86	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.52	
26 05 36 00-0297 EA 12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	493.17	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.87	
26 05 36 00-0298 EA 18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	542.36	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.98	
26 05 36 00-0299 EA 24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	604.22	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.87	
26 05 36 00-0300 EA 30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	648.68	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.95	
26 05 36 00-0301 EA 36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.77	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.26	
26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303 EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	539.59	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.29	
26 05 36 00-0304 EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	580.94	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.79	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	615.85	219.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.33	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	680.59	246.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.50	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.36	281.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.87	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	837.73	303.83
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.46	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	953.49	358.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.47	
26 05 36 00-0310		12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	407.83	146.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.61	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	418.86	151.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.23	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	430.35	157.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.88	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	455.93	171.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.30	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.69	179.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.23	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	513.34	197.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.89	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	556.77	219.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.42	
26 05 36 00-0318		24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	560.04	157.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.84	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	575.25	164.45
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.82	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	591.38	171.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.84	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	627.49	188.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.08	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.67	197.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.72	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	696.54	219.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.40	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	756.96	246.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.14	
26 05 36 00-0326		36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	840.67	171.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.77	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	860.75	179.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.14	
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	882.54	188.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.59	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	922.44	207.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.94	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	948.71	219.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0332 EA 30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,016.33	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.08	
26 05 36 00-0333 EA 36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,081.73	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.71	
26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0335 EA 6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	448.50	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.41	
26 05 36 00-0336 EA 9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.42	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.84	
26 05 36 00-0337 EA 12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.01	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.95	
26 05 36 00-0338 EA 18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	536.98	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.34	
26 05 36 00-0339 EA 24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	605.45	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.63	
26 05 36 00-0340 EA 30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	669.61	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.50	
26 05 36 00-0341 EA 36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	729.66	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.65	
26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0343 EA 6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.11	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.46	
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	626.32	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.28	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	657.53	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.20	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.55	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.14	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.86	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.27	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.45	328.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.24	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	943.40	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.46	
26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.34	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.98	
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	776.92	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.78	
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	822.35	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.77	
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.37	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.22	
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,029.86	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.11	
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,125.06	394.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.67	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,235.87	438.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.01	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.32	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.79	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	527.96	207.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.49	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	563.54	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.10	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	604.57	232.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.09	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	680.67	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.15	
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	759.96	281.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.52	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	829.54	303.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.67	
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.51	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.90	
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	733.96	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.04	
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	768.41	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.28	
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	818.57	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.94	
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	911.65	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.85	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	980.67	328.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.66	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,099.02	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.02	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	881.24	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.57	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	929.31	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.02	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	981.22	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.66	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,070.44	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.73	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,224.39	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.56	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,335.80	394.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.74	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,462.82	438.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.71	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	175.23	82.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.65	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	197.39	93.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.91	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	217.46	103.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.09	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.78	127.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.37	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.40	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.66	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.35	164.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.23	
26 05 36 00-0390 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.94	187.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.63	
26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	221.00	85.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.95	
26 05 36 00-0393 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.77	98.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.26	
26 05 36 00-0394 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.18	109.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.48	
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.95	136.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.35	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.86	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.83	
26 05 36 00-0397 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.85	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.45	
26 05 36 00-0398 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.94	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.79	
26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0400 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.85	89.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.12	
26 05 36 00-0401 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.15	103.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.77	
26 05 36 00-0402 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.03	116.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.22	
26 05 36 00-0403 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.83	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.11	
26 05 36 00-0404 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.98	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.30	
26 05 36 00-0405 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.00	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.86	
26 05 36 00-0406 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.69	231.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.05	
26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0408 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	129.01	59.77
<i>For 60 Degree Bend, Deduct</i>	-19.67	
<i>For 30 Degree Bend, Deduct</i>	-36.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	150.06	71.70
			<i>For 60 Degree Bend, Deduct</i>	-22.05	
			<i>For 30 Degree Bend, Deduct</i>	-40.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.03	
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	168.86	82.23
			<i>For 60 Degree Bend, Deduct</i>	-24.20	
			<i>For 30 Degree Bend, Deduct</i>	-44.91	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.03	
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.80	103.93
			<i>For 60 Degree Bend, Deduct</i>	-28.41	
			<i>For 30 Degree Bend, Deduct</i>	-53.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.02	
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	255.37	127.29
			<i>For 60 Degree Bend, Deduct</i>	-35.48	
			<i>For 30 Degree Bend, Deduct</i>	-66.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.93	
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.80	146.11
			<i>For 60 Degree Bend, Deduct</i>	-42.59	
			<i>For 30 Degree Bend, Deduct</i>	-79.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.70	
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.54	171.52
			<i>For 60 Degree Bend, Deduct</i>	-47.61	
			<i>For 30 Degree Bend, Deduct</i>	-88.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.06	
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	139.95	61.67
			<i>For 60 Degree Bend, Deduct</i>	-22.56	
			<i>For 30 Degree Bend, Deduct</i>	-41.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.86	
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	163.54	74.33
			<i>For 60 Degree Bend, Deduct</i>	-25.47	
			<i>For 30 Degree Bend, Deduct</i>	-46.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.16	
26 05 36 00-0418	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.48	85.84
			<i>For 60 Degree Bend, Deduct</i>	-28.97	
			<i>For 30 Degree Bend, Deduct</i>	-53.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.60	
26 05 36 00-0419	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.35	109.61
			<i>For 60 Degree Bend, Deduct</i>	-33.33	
			<i>For 30 Degree Bend, Deduct</i>	-61.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.70	
26 05 36 00-0420	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.13	136.17
			<i>For 60 Degree Bend, Deduct</i>	-40.92	
			<i>For 30 Degree Bend, Deduct</i>	-75.76	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.87	
26 05 36 00-0421	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.24	157.96
			<i>For 60 Degree Bend, Deduct</i>	-48.11	
			<i>For 30 Degree Bend, Deduct</i>	-88.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.76	
26 05 36 00-0422	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.01	188.04
			<i>For 60 Degree Bend, Deduct</i>	-56.30	
			<i>For 30 Degree Bend, Deduct</i>	-104.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.23	
26 05 36 00-0423			36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	159.46	63.64
			<i>For 60 Degree Bend, Deduct</i>	-28.24	
			<i>For 30 Degree Bend, Deduct</i>	-50.60	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.65	
26 05 36 00-0425	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.24	77.29
			<i>For 60 Degree Bend, Deduct</i>	-31.51	
			<i>For 30 Degree Bend, Deduct</i>	-56.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.14	89.71
<i>For 60 Degree Bend, Deduct</i>	-33.97	
<i>For 30 Degree Bend, Deduct</i>	-61.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.24	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.01	116.10
<i>For 60 Degree Bend, Deduct</i>	-39.96	
<i>For 30 Degree Bend, Deduct</i>	-73.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.92	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.60	146.11
<i>For 60 Degree Bend, Deduct</i>	-46.15	
<i>For 30 Degree Bend, Deduct</i>	-85.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.78	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.16	171.52
<i>For 60 Degree Bend, Deduct</i>	-56.73	
<i>For 30 Degree Bend, Deduct</i>	-104.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.82	
26 05 36 00-0430 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.92	207.62
<i>For 60 Degree Bend, Deduct</i>	-65.91	
<i>For 30 Degree Bend, Deduct</i>	-121.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.79	
26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	189.27	82.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.08	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.00	93.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.17	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.27	103.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.18	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.78	127.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.37	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.60	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0437 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.93	164.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.19	
26 05 36 00-0438 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.13	187.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.37	
26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	216.80	85.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.53	
26 05 36 00-0441 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.10	98.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.79	
26 05 36 00-0442 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	261.37	109.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.00	
26 05 36 00-0443 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.74	136.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.63	
26 05 36 00-0444 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.26	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.87	
26 05 36 00-0445 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.64	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.13	
26 05 36 00-0446 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.33	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.63	
26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.06	89.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.44	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0449 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....276.30	276.30	103.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-18.98	-18.98	
26 05 36 00-0450 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....298.04	298.04	116.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-20.13	-20.13	
26 05 36 00-0451 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....356.43	356.43	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-23.47	-23.47	
26 05 36 00-0452 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....399.98	399.98	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-25.70	-25.70	
26 05 36 00-0453 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....458.59	458.59	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-29.41	-29.41	
26 05 36 00-0454 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....524.48	524.48	231.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-33.13	-33.13	
26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456 EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....343.65	343.65	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-21.21	-21.21	
26 05 36 00-0457 EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....372.36	372.36	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-22.94	-22.94	
26 05 36 00-0458 EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....390.04	390.04	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-24.07	-24.07	
26 05 36 00-0459 EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....433.37	433.37	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-26.89	-26.89	
26 05 36 00-0460 EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....487.60	487.60	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-30.50	-30.50	
26 05 36 00-0461 EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....533.62	533.62	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-34.01	-34.01	
26 05 36 00-0462 EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....604.01	604.01	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-38.49	-38.49	
26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464 EA 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....411.98	411.98	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-26.90	-26.90	
26 05 36 00-0465 EA 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....445.45	445.45	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-28.88	-28.88	
26 05 36 00-0466 EA 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....465.79	465.79	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-30.13	-30.13	
26 05 36 00-0467 EA 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....512.82	512.82	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-33.03	-33.03	
26 05 36 00-0468 EA 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....572.04	572.04	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-36.65	-36.65	
26 05 36 00-0469 EA 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....613.62	613.62	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-39.45	-39.45	
26 05 36 00-0470 EA 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....730.86	730.86	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-47.77	-47.77	
26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472 EA 6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....501.88	501.88	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-34.52	-34.52	
26 05 36 00-0473 EA 9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....541.79	541.79	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-36.88	-36.88	
26 05 36 00-0474 EA 12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....574.06	574.06	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-39.15	-39.15	
26 05 36 00-0475 EA 18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....635.68	635.68	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-43.01	-43.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0476 EA 24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.69	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.80	
26 05 36 00-0477 EA 30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	782.49	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.93	
26 05 36 00-0478 EA 36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	894.17	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.54	
26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480 EA 6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	380.45	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.87	
26 05 36 00-0481 EA 9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	391.24	151.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.47	
26 05 36 00-0482 EA 12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	402.49	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.09	
26 05 36 00-0483 EA 18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	427.59	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.46	
26 05 36 00-0484 EA 24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	442.88	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.35	
26 05 36 00-0485 EA 30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	482.60	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.82	
26 05 36 00-0486 EA 36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	524.83	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.23	
26 05 36 00-0487 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488 EA 6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	510.56	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.90	
26 05 36 00-0489 EA 9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	525.06	164.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.80	
26 05 36 00-0490 EA 12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	540.47	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.75	
26 05 36 00-0491 EA 18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	575.13	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.85	
26 05 36 00-0492 EA 24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.88	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.34	
26 05 36 00-0493 EA 30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	641.30	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.87	
26 05 36 00-0494 EA 36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	699.32	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.38	
26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496 EA 6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	748.21	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.53	
26 05 36 00-0497 EA 9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	767.09	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.77	
26 05 36 00-0498 EA 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	787.67	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.10	
26 05 36 00-0499 EA 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	826.38	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.34	
26 05 36 00-0500 EA 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	851.44	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.89	
26 05 36 00-0501 EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	915.46	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.99	
26 05 36 00-0502 EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	979.66	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.50	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0503		12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>			
26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	428.57		197.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.41		
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	450.53		207.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.75		
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	479.20		219.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.66		
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	512.00		232.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.84		
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.59		262.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.84		
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.23		281.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.16		
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.43		303.83
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.93		
26 05 36 00-0511		24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>			
26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	558.45		219.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.59		
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	586.45		232.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.29		
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.47		246.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.09		
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.84		262.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.77		
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	739.26		303.83
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.61		
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	796.73		328.90
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.26		
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	885.76		358.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.70		
26 05 36 00-0519		36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>			
26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	681.31		246.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.57		
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.49		262.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.13		
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	763.51		281.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.89		
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	830.52		303.83
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.74		
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	957.81		358.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.90		
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,047.01		394.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.86		
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,151.82		438.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.61		
26 05 36 00-0527		12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>			
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	473.42		197.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.90		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.66	207.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.46	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.46	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.79	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	568.35	232.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.47	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	640.27	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.11	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.56	281.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.68	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.57	303.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.27	
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	645.45	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.29	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	676.15	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.26	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	708.87	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.33	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	755.19	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.60	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	844.09	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.09	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.59	328.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.45	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,015.45	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.67	
26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544 EA 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	802.89	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.73	
26 05 36 00-0545 EA 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	847.47	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.83	
26 05 36 00-0546 EA 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.90	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.12	
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	976.42	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.33	
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,119.92	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.11	
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,222.62	394.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.42	
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,340.94	438.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.52	
26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	172.59	82.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.39	
26 05 36 00-0554 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	194.53	93.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.63	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	214.35	103.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.78	
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.74	127.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.97	
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.86	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.21	
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.38	164.45
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.63	
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.96	187.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.93	
26 05 36 00-0560			24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.54	85.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.41	
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	239.14	98.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.70	
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.33	109.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.90	
26 05 36 00-0564	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.65	136.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.72	
26 05 36 00-0565	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.10	157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.15	
26 05 36 00-0566	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.49	179.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.71	
26 05 36 00-0567	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.20	207.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.92	
26 05 36 00-0568			36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0569	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.80	89.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.51	
26 05 36 00-0570	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.76	103.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.13	
26 05 36 00-0571	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.35	116.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.56	
26 05 36 00-0572	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.18	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.34	
26 05 36 00-0573	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.57	171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.46	
26 05 36 00-0574	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.91	197.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.85	
26 05 36 00-0575	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	532.68	231.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.95	
26 05 36 00-0576			12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	126.95	59.77
			<i>For 60 Degree Bend, Deduct</i>	-18.99	
			<i>For 30 Degree Bend, Deduct</i>	-34.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.72	
26 05 36 00-0578	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	147.92	71.70
			<i>For 60 Degree Bend, Deduct</i>	-21.34	
			<i>For 30 Degree Bend, Deduct</i>	-39.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.82	
26 05 36 00-0579	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.63	82.23
			<i>For 60 Degree Bend, Deduct</i>	-23.47	
			<i>For 30 Degree Bend, Deduct</i>	-43.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	204.45	103.93
<i>For 60 Degree Bend, Deduct</i>	-27.64	
<i>For 30 Degree Bend, Deduct</i>	-51.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.79	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.34	127.29
<i>For 60 Degree Bend, Deduct</i>	-34.48	
<i>For 30 Degree Bend, Deduct</i>	-64.54	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.63	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.93	146.11
<i>For 60 Degree Bend, Deduct</i>	-41.31	
<i>For 30 Degree Bend, Deduct</i>	-76.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.32	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.50	171.52
<i>For 60 Degree Bend, Deduct</i>	-46.28	
<i>For 30 Degree Bend, Deduct</i>	-86.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.66	
26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	137.35	61.67
<i>For 60 Degree Bend, Deduct</i>	-21.70	
<i>For 30 Degree Bend, Deduct</i>	-39.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.60	
26 05 36 00-0586 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	160.76	74.33
<i>For 60 Degree Bend, Deduct</i>	-24.55	
<i>For 30 Degree Bend, Deduct</i>	-45.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.88	
26 05 36 00-0587 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	184.37	85.84
<i>For 60 Degree Bend, Deduct</i>	-27.94	
<i>For 30 Degree Bend, Deduct</i>	-51.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.28	
26 05 36 00-0588 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.16	109.61
<i>For 60 Degree Bend, Deduct</i>	-32.28	
<i>For 30 Degree Bend, Deduct</i>	-59.89	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.38	
26 05 36 00-0589 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.26	136.17
<i>For 60 Degree Bend, Deduct</i>	-39.64	
<i>For 30 Degree Bend, Deduct</i>	-73.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.48	
26 05 36 00-0590 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.62	157.96
<i>For 60 Degree Bend, Deduct</i>	-46.59	
<i>For 30 Degree Bend, Deduct</i>	-86.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.30	
26 05 36 00-0591 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.71	188.04
<i>For 60 Degree Bend, Deduct</i>	-54.55	
<i>For 30 Degree Bend, Deduct</i>	-101.36	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.70	
26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	155.72	63.64
<i>For 60 Degree Bend, Deduct</i>	-27.00	
<i>For 30 Degree Bend, Deduct</i>	-48.54	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.27	
26 05 36 00-0594 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.29	77.29
<i>For 60 Degree Bend, Deduct</i>	-30.20	
<i>For 30 Degree Bend, Deduct</i>	-54.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.69	
26 05 36 00-0595 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	203.10	89.71
<i>For 60 Degree Bend, Deduct</i>	-32.64	
<i>For 30 Degree Bend, Deduct</i>	-59.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.84	
26 05 36 00-0596 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.64	116.10
<i>For 60 Degree Bend, Deduct</i>	-38.52	
<i>For 30 Degree Bend, Deduct</i>	-70.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.49	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.98	146.11
			<i>For 60 Degree Bend, Deduct</i>	-44.62	
			<i>For 30 Degree Bend, Deduct</i>	-82.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.32	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.19	171.52
			<i>For 60 Degree Bend, Deduct</i>	-54.76	
			<i>For 30 Degree Bend, Deduct</i>	-100.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.22	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.28	207.62
			<i>For 60 Degree Bend, Deduct</i>	-63.72	
			<i>For 30 Degree Bend, Deduct</i>	-117.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.13	
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.62	82.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.71	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.26	93.90
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.80	
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.40	103.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.79	
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.74	127.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.97	
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.40	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.76	
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.39	164.45
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.73	
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.43	187.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.90	
26 05 36 00-0608			24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0609	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.63	85.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.02	
26 05 36 00-0610	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.80	98.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.26	
26 05 36 00-0611	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	255.87	109.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.45	
26 05 36 00-0612	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.95	136.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.05	
26 05 36 00-0613	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	344.16	157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.26	
26 05 36 00-0614	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.21	179.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.48	
26 05 36 00-0615	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	442.10	207.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.91	
26 05 36 00-0616			36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.08	89.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.74	
26 05 36 00-0618	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.07	103.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.26	
26 05 36 00-0619	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.73	116.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.39	
26 05 36 00-0620	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.53	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.68	
26 05 36 00-0621	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.99	171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0622 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.51	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.51	
26 05 36 00-0623 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.81	231.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.16	
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625 EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.61	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.40	
26 05 36 00-0626 EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.71	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.08	
26 05 36 00-0627 EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.91	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	
26 05 36 00-0628 EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	422.92	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.85	
26 05 36 00-0629 EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.35	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.28	
26 05 36 00-0630 EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.97	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.54	
26 05 36 00-0631 EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.44	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.83	
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0633 EA 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.38	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.64	
26 05 36 00-0634 EA 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.24	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.56	
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.10	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.77	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.05	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.55	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.95	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.04	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.08	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.69	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	708.40	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.52	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.03	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.64	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.22	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.92	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	553.16	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.06	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.22	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.77	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.35	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.27	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	754.87	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.17	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	864.51	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.57	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	366.76	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.50	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	377.43	151.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.09	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	388.56	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.70	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	413.42	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.05	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	428.47	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.91	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	467.23	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.28	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	508.86	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.63	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	485.83	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.42	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	499.96	164.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.29	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	515.01	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.21	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	548.96	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.23	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	570.98	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.65	
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	613.68	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.11	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	670.50	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.49	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.98	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.90	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.26	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.09	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.24	188.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.36	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	778.35	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.53	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	802.81	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.03	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.03	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.95	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	928.62	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.40	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	418.60	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	440.08	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.71	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	467.79	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.52	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	499.51	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.60	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	563.66	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.45	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	619.54	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.49	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	673.82	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.07	
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	539.12	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.66	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	566.52	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.30	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	595.93	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.04	
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	634.99	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.58	
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	715.97	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.28	
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.88	328.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.78	
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	856.94	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.82	
26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689 EA 6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	654.29	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.87	
26 05 36 00-0690 EA 9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.27	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.31	
26 05 36 00-0691 EA 12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	734.10	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.94	
26 05 36 00-0692 EA 18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.10	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.49	
26 05 36 00-0693 EA 24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.78	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.30	
26 05 36 00-0694 EA 30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.98	394.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.96	
26 05 36 00-0695 EA 36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,109.79	438.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.40	
26 05 36 00-0696 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697 EA 6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	458.96	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.45	
26 05 36 00-0698 EA 9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	482.51	207.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.94	
26 05 36 00-0699 EA 12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	513.92	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.14	
26 05 36 00-0700 EA 18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	550.24	232.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.66	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.08	262.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.09	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.36	281.71
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.26	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	748.58	303.41
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.57	
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	617.41	219.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.49	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	647.25	232.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.37	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.09	246.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.35	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.50	262.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.44	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	810.32	303.83
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.72	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	872.55	328.90
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.85	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	973.66	358.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.49	
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	763.71	246.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.81	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	806.55	262.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.74	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	853.24	281.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.86	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	929.41	303.83
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.63	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,067.68	358.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.89	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,166.04	394.02
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.77	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,280.00	438.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.42	
26 05 36 00-0720		Dropout Or End Plates And Reducers <small>(26 05 36 00-0002)</small>		
26 05 36 00-0721		Straight Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722	EA	9"-6" Reducer, Steel Cable Tray	156.40	60.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.58	
26 05 36 00-0723	EA	12"-9" Reducer, Steel Cable Tray	165.96	65.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.12	
26 05 36 00-0724	EA	18"-12" Reducer, Steel Cable Tray	182.87	75.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.97	
26 05 36 00-0725	EA	24"-18" Reducer, Steel Cable Tray	203.84	87.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.07	
26 05 36 00-0726	EA	30"-24" Reducer, Steel Cable Tray	223.29	98.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.11	
26 05 36 00-0727	EA	36"-30" Reducer, Steel Cable Tray	253.94	112.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.00	
26 05 36 00-0728		Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729	EA	18"-6" Reducer, Steel Cable Tray	185.34	75.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.21	
26 05 36 00-0730	EA	24"-12" Reducer, Steel Cable Tray	206.45	87.82
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	227.96 -14.58	98.59
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	230.23 -14.81	98.50
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	255.14 -16.12	112.73
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	262.49 -16.61	115.69
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	271.05 -17.16	119.39
26 05 36 00-0736 Dropout Or End Plate <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	47.29	24.67
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	54.22	28.20
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	58.49	30.34
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	69.08	35.85
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	77.07	39.47
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	85.47	43.83
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	96.40	49.33
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray <small>(26 05 36 00-0001)</small> Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections <small>(26 05 36 00-0744)</small>		
26 05 36 00-0746 4" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.02 2.64 -1.92 1.20	5.75
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.35 2.79 -2.03 1.27	6.08
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.66 2.94 -2.14 1.33	6.33
26 05 36 00-0750 LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.49 3.27 -2.37 1.47	6.91
26 05 36 00-0751 LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.20 3.75 -2.71 1.66	7.40
26 05 36 00-0752 LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.14 4.11 -2.96 1.81	7.90
26 05 36 00-0753 LF 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.87 4.43 -3.19 1.94	8.39
26 05 36 00-0754 6" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755 LF 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.71 2.44 -1.79 1.14	5.75
26 05 36 00-0756 LF 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.96 2.58 -1.89 1.20	6.08
26 05 36 00-0757 LF 12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.20 2.72 -1.99 1.26	6.33
26 05 36 00-0758 LF 18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.86 3.02 -2.21 1.39	6.91
26 05 36 00-0759 LF 24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.29 3.47 -2.52 1.56	7.40
26 05 36 00-0760 LF 30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.05 3.80 -2.75 1.70	7.90

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	36.60	8.39
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.83	
26 05 36 00-0762			9" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	20.71	5.51
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.04	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	21.18	5.75
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.22	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.06	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	22.54	6.08
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.13	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	24.10	6.49
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.87	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.21	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	26.54	6.75
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.33	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	29.18	7.24
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.46	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	31.18	7.90
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.56	
26 05 36 00-0770			12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	20.20	5.34
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.01	
26 05 36 00-0772	LF		9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	20.58	5.51
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.17	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.03	
26 05 36 00-0773	LF		12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	21.51	5.83
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.08	
26 05 36 00-0774	LF		18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	22.78	6.16
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.14	
26 05 36 00-0775	LF		24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	24.33	6.25
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.60	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.22	
26 05 36 00-0776	LF		30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	26.29	6.91
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.31	
26 05 36 00-0777	LF		36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	28.02	7.49
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.40	
26 05 36 00-0778			18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779	LF		6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	19.90	5.18
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.00	
26 05 36 00-0780	LF		9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	20.09	5.42
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.00	
26 05 36 00-0781	LF		12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	21.10	5.59
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.06	
26 05 36 00-0782	LF		18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	22.21	5.92
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.35	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	23.33	6.00
For Class 12C Instead Of Class 12B, Add	2.50	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.83	
For 6" Overall Height Instead Of 4-5/8", Add	1.17	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	24.68	6.57
For Class 12C Instead Of Class 12B, Add	2.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.92	
For 6" Overall Height Instead Of 4-5/8", Add	1.23	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	26.38	7.16
For Class 12C Instead Of Class 12B, Add	2.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.04	
For 6" Overall Height Instead Of 4-5/8", Add	1.32	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	197.43	82.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.87	
For 6" Overall Height Instead Of 4-5/8", Add	9.87	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	218.10	93.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.98	
For 6" Overall Height Instead Of 4-5/8", Add	10.91	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	245.96	103.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.94	
For 6" Overall Height Instead Of 4-5/8", Add	12.30	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	294.19	127.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.81	
For 6" Overall Height Instead Of 4-5/8", Add	14.71	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	345.36	146.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.36	
For 6" Overall Height Instead Of 4-5/8", Add	17.27	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	381.97	164.45
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.49	
For 6" Overall Height Instead Of 4-5/8", Add	19.10	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	443.94	187.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.73	
For 6" Overall Height Instead Of 4-5/8", Add	22.20	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	249.31	85.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.78	
For 6" Overall Height Instead Of 4-5/8", Add	12.47	
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	275.24	98.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.31	
For 6" Overall Height Instead Of 4-5/8", Add	13.76	
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	298.95	109.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.76	
For 6" Overall Height Instead Of 4-5/8", Add	14.95	
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	353.00	136.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.96	
For 6" Overall Height Instead Of 4-5/8", Add	17.65	
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	401.46	157.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.99	
For 6" Overall Height Instead Of 4-5/8", Add	20.07	
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	449.96	179.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.06	
For 6" Overall Height Instead Of 4-5/8", Add	22.50	
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	516.23	207.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.32	
For 6" Overall Height Instead Of 4-5/8", Add	25.81	
26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	266.38	89.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.17	
For 6" Overall Height Instead Of 4-5/8", Add	13.32	
26 05 36 00-0805 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	292.92	103.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.65	
For 6" Overall Height Instead Of 4-5/8", Add	14.65	
26 05 36 00-0806 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	327.28	116.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.05	
For 6" Overall Height Instead Of 4-5/8", Add	16.36	
26 05 36 00-0807 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	393.98	146.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.22	
For 6" Overall Height Instead Of 4-5/8", Add	19.70	
26 05 36 00-0808 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	456.07	171.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.31	
For 6" Overall Height Instead Of 4-5/8", Add	22.80	
26 05 36 00-0809 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	515.79	197.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.13	
For 6" Overall Height Instead Of 4-5/8", Add	25.79	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0810	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	600.62	231.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.03	
26 05 36 00-0811			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		
26 05 36 00-0812	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	139.09	59.77
			<i>For 60 Degree Bend, Deduct</i>	-22.99	
			<i>For 30 Degree Bend, Deduct</i>	-41.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.95	
26 05 36 00-0813	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	160.46	71.70
			<i>For 60 Degree Bend, Deduct</i>	-25.48	
			<i>For 30 Degree Bend, Deduct</i>	-46.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.02	
26 05 36 00-0814	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	179.58	82.23
			<i>For 60 Degree Bend, Deduct</i>	-27.74	
			<i>For 30 Degree Bend, Deduct</i>	-50.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.98	
26 05 36 00-0815	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	223.32	103.93
			<i>For 60 Degree Bend, Deduct</i>	-33.86	
			<i>For 30 Degree Bend, Deduct</i>	-62.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.17	
26 05 36 00-0816	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	274.44	127.29
			<i>For 60 Degree Bend, Deduct</i>	-41.77	
			<i>For 30 Degree Bend, Deduct</i>	-76.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.72	
26 05 36 00-0817	EA		30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	314.97	146.11
			<i>For 60 Degree Bend, Deduct</i>	-47.92	
			<i>For 30 Degree Bend, Deduct</i>	-87.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.75	
26 05 36 00-0818	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	360.35	171.52
			<i>For 60 Degree Bend, Deduct</i>	-53.16	
			<i>For 30 Degree Bend, Deduct</i>	-98.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.02	
26 05 36 00-0819			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		
26 05 36 00-0820	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	155.91	61.67
			<i>For 60 Degree Bend, Deduct</i>	-27.82	
			<i>For 30 Degree Bend, Deduct</i>	-49.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.45	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.80	
26 05 36 00-0821	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	183.17	74.33
			<i>For 60 Degree Bend, Deduct</i>	-31.95	
			<i>For 30 Degree Bend, Deduct</i>	-57.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.16	
26 05 36 00-0822	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	203.83	85.84
			<i>For 60 Degree Bend, Deduct</i>	-34.36	
			<i>For 30 Degree Bend, Deduct</i>	-62.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.19	
26 05 36 00-0823	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	248.05	109.61
			<i>For 60 Degree Bend, Deduct</i>	-39.83	
			<i>For 30 Degree Bend, Deduct</i>	-72.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.40	
26 05 36 00-0824	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	302.86	136.17
			<i>For 60 Degree Bend, Deduct</i>	-47.76	
			<i>For 30 Degree Bend, Deduct</i>	-87.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.14	
26 05 36 00-0825	EA		30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	354.36	157.96
			<i>For 60 Degree Bend, Deduct</i>	-56.40	
			<i>For 30 Degree Bend, Deduct</i>	-102.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.72	
26 05 36 00-0826	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	409.08	188.04
			<i>For 60 Degree Bend, Deduct</i>	-62.92	
			<i>For 30 Degree Bend, Deduct</i>	-115.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.45	
26 05 36 00-0827			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	177.43	63.64
For 60 Degree Bend, Deduct	-34.17	
For 30 Degree Bend, Deduct	-60.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.44	
For 6" Overall Height Instead Of 4-5/8", Add	8.87	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	201.73	77.29
For 60 Degree Bend, Deduct	-36.95	
For 30 Degree Bend, Deduct	-65.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.73	
For 6" Overall Height Instead Of 4-5/8", Add	10.09	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	223.95	89.71
For 60 Degree Bend, Deduct	-39.52	
For 30 Degree Bend, Deduct	-70.85	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.92	
For 6" Overall Height Instead Of 4-5/8", Add	11.20	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	275.62	116.10
For 60 Degree Bend, Deduct	-46.43	
For 30 Degree Bend, Deduct	-83.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.88	
For 6" Overall Height Instead Of 4-5/8", Add	13.78	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	343.84	146.11
For 60 Degree Bend, Deduct	-57.45	
For 30 Degree Bend, Deduct	-103.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.21	
For 6" Overall Height Instead Of 4-5/8", Add	17.19	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	392.26	171.52
For 60 Degree Bend, Deduct	-63.69	
For 30 Degree Bend, Deduct	-115.68	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.93	
For 6" Overall Height Instead Of 4-5/8", Add	19.61	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	463.05	207.62
For 60 Degree Bend, Deduct	-73.21	
For 30 Degree Bend, Deduct	-133.56	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.00	
For 6" Overall Height Instead Of 4-5/8", Add	23.15	
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	211.65	82.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.31	
For 6" Overall Height Instead Of 4-5/8", Add	10.58	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	235.24	93.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.70	
For 6" Overall Height Instead Of 4-5/8", Add	11.76	
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	253.07	103.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.66	
For 6" Overall Height Instead Of 4-5/8", Add	12.65	
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	294.89	127.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.88	
For 6" Overall Height Instead Of 4-5/8", Add	14.74	
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	330.38	146.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.86	
For 6" Overall Height Instead Of 4-5/8", Add	16.52	
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	364.98	164.45
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.79	
For 6" Overall Height Instead Of 4-5/8", Add	18.25	
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	406.50	187.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.01	
For 6" Overall Height Instead Of 4-5/8", Add	20.33	
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	223.67	85.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.22	
For 6" Overall Height Instead Of 4-5/8", Add	11.18	
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	248.56	98.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.63	
For 6" Overall Height Instead Of 4-5/8", Add	12.43	
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	268.86	109.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.75	
For 6" Overall Height Instead Of 4-5/8", Add	13.44	
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	317.78	136.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.43	
For 6" Overall Height Instead Of 4-5/8", Add	15.89	
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	359.52	157.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.79	
For 6" Overall Height Instead Of 4-5/8", Add	17.98	
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	400.52	179.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.11	
For 6" Overall Height Instead Of 4-5/8", Add	20.03	
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	454.59	207.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.16	
For 6" Overall Height Instead Of 4-5/8", Add	22.73	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0851			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....274.20		89.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.71	
26 05 36 00-0853	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....300.55		103.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.03	
26 05 36 00-0854	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....329.23		116.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.46	
26 05 36 00-0855	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....384.65		146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.23	
26 05 36 00-0856	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....432.41		171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.62	
26 05 36 00-0857	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....486.27		197.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.31	
26 05 36 00-0858	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....550.54		231.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.53	
26 05 36 00-0859			12" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860	EA		6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....349.26		157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.46	
26 05 36 00-0861	EA		9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....377.61		171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.88	
26 05 36 00-0862	EA		12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....391.90		179.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.60	
26 05 36 00-0863	EA		18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....440.36		197.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.02	
26 05 36 00-0864	EA		24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....487.87		219.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.39	
26 05 36 00-0865	EA		30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....529.62		232.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.48	
26 05 36 00-0866	EA		36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....609.01		262.95
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.45	
26 05 36 00-0867			24" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868	EA		6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....432.63		171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.63	
26 05 36 00-0869	EA		9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....468.56		188.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.43	
26 05 36 00-0870	EA		12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....488.33		197.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.42	
26 05 36 00-0871	EA		18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....538.66		219.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.93	
26 05 36 00-0872	EA		24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....600.19		246.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.01	
26 05 36 00-0873	EA		30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....645.70		262.95
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.29	
26 05 36 00-0874	EA		36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....823.75		303.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.19	
26 05 36 00-0875			36" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876	EA		6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....520.76		188.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.04	
26 05 36 00-0877	EA		9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....559.10		207.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.96	
26 05 36 00-0878	EA		12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....597.91		219.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	656.62 -45.11 32.83	246.68
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	740.21 -50.56 37.01	281.63
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	849.15 -59.60 42.46	303.83
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	978.50 -67.97 48.93	358.50
26 05 36 00-0883 12" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	436.85 -31.51 21.84	146.11
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	452.08 -32.55 22.60	151.87
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	463.54 -33.19 23.18	157.96
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	490.48 -34.75 24.52	171.52
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	520.29 -37.09 26.01	179.25
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	554.64 -39.02 27.73	197.35
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	597.91 -41.54 29.90	219.04
26 05 36 00-0891 24" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	590.52 -45.89 29.53	157.96
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	605.64 -46.86 30.28	164.45
26 05 36 00-0894 EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	621.69 -47.87 31.08	171.52
26 05 36 00-0895 EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	659.02 -50.23 32.95	188.04
26 05 36 00-0896 EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	683.03 -51.86 34.15	197.35
26 05 36 00-0897 EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	727.71 -54.52 36.39	219.04
26 05 36 00-0898 EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	806.17 -60.06 40.31	246.68
26 05 36 00-0899 36" Radius Vertical Tee <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900 EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	908.58 -76.56 45.43	171.52
26 05 36 00-0901 EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	929.55 -78.02 46.48	179.25
26 05 36 00-0902 EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	952.21 -79.55 47.61	188.04
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	993.01 -82.00 49.65	207.62
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,020.16 -83.76 51.01	219.04
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,090.42 -88.49 54.52	246.68
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,156.69 -92.20 57.83	281.63

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0907			12" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908	EA		6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	448.82	197.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.44	
			For 6" Overall Height Instead Of 4-5/8", Add	22.44	
26 05 36 00-0909	EA		9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	478.68	207.62
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.57	
			For 6" Overall Height Instead Of 4-5/8", Add	23.93	
26 05 36 00-0910	EA		12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	499.15	219.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.66	
			For 6" Overall Height Instead Of 4-5/8", Add	24.96	
26 05 36 00-0911	EA		18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	549.37	232.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.58	
			For 6" Overall Height Instead Of 4-5/8", Add	27.47	
26 05 36 00-0912	EA		24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	606.19	262.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.70	
			For 6" Overall Height Instead Of 4-5/8", Add	30.31	
26 05 36 00-0913	EA		30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	666.84	281.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.22	
			For 6" Overall Height Instead Of 4-5/8", Add	33.34	
26 05 36 00-0914	EA		36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	753.21	303.83
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.01	
			For 6" Overall Height Instead Of 4-5/8", Add	37.66	
26 05 36 00-0915			24" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916	EA		6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	595.09	219.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.25	
			For 6" Overall Height Instead Of 4-5/8", Add	29.75	
26 05 36 00-0917	EA		9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	624.15	232.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.06	
			For 6" Overall Height Instead Of 4-5/8", Add	31.21	
26 05 36 00-0918	EA		12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	655.21	246.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.96	
			For 6" Overall Height Instead Of 4-5/8", Add	32.76	
26 05 36 00-0919	EA		18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	695.08	262.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.59	
			For 6" Overall Height Instead Of 4-5/8", Add	34.75	
26 05 36 00-0920	EA		24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	785.66	303.83
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.25	
			For 6" Overall Height Instead Of 4-5/8", Add	39.28	
26 05 36 00-0921	EA		30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	832.77	328.90
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.87	
			For 6" Overall Height Instead Of 4-5/8", Add	41.64	
26 05 36 00-0922	EA		36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	918.42	358.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.96	
			For 6" Overall Height Instead Of 4-5/8", Add	45.92	
26 05 36 00-0923			36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924	EA		6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	682.02	246.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.65	
			For 6" Overall Height Instead Of 4-5/8", Add	34.10	
26 05 36 00-0925	EA		9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	706.79	262.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.76	
			For 6" Overall Height Instead Of 4-5/8", Add	35.34	
26 05 36 00-0926	EA		12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	753.92	281.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.93	
			For 6" Overall Height Instead Of 4-5/8", Add	37.70	
26 05 36 00-0927	EA		18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	825.17	303.83
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.20	
			For 6" Overall Height Instead Of 4-5/8", Add	41.26	
26 05 36 00-0928	EA		24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	926.61	358.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.38	
			For 6" Overall Height Instead Of 4-5/8", Add	49.63	
26 05 36 00-0929	EA		30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,094.12	394.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.57	
			For 6" Overall Height Instead Of 4-5/8", Add	54.71	
26 05 36 00-0930	EA		36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,218.29	438.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.25	
			For 6" Overall Height Instead Of 4-5/8", Add	60.91	
26 05 36 00-0931			12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932	EA		6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	448.82	197.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.44	
			For 6" Overall Height Instead Of 4-5/8", Add	22.44	
26 05 36 00-0933	EA		9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	478.80	207.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.57	
			For 6" Overall Height Instead Of 4-5/8", Add	23.94	
26 05 36 00-0934	EA		12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	499.08	219.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.66	
			For 6" Overall Height Instead Of 4-5/8", Add	24.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	549.52	232.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-35.59</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>27.48</i>	
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	606.19	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-38.70</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>30.31</i>	
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	667.06	281.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-43.23</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>33.35</i>	
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	752.59	303.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-49.97</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>37.63</i>	
26 05 36 00-0939 24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	595.09	219.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-41.25</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>29.75</i>	
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	624.15	232.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-43.06</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>31.21</i>	
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	655.21	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-44.96</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>32.76</i>	
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	695.08	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-47.59</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>34.75</i>	
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	785.66	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-53.25</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>39.28</i>	
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	847.27	328.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-57.32</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>42.36</i>	
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	934.77	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-63.60</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>46.74</i>	
26 05 36 00-0947 36" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	803.91	246.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-59.83</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>40.20</i>	
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	847.45	262.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-62.83</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>42.37</i>	
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	903.02	281.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-66.84</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>45.15</i>	
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	968.65	303.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-71.55</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>48.43</i>	
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,170.38	358.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-87.16</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>58.52</i>	
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,290.93	394.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-96.26</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>64.55</i>	
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,437.32	438.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-107.16</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>71.87</i>	
26 05 36 00-0955 6" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	188.85	82.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-12.01</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>9.44</i>	
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	209.30	93.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-13.10</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>10.47</i>	
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	235.54	103.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-14.90</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>11.78</i>	
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	282.47	127.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-17.64</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>14.12</i>	
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	330.82	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-20.90</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>16.54</i>	
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	366.56	164.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-22.95</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>18.33</i>	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0963	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	425.27	187.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.26	
26 05 36 00-0964			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0965	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	234.11	85.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.71	
26 05 36 00-0966	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	259.39	98.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.72	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.97	
26 05 36 00-0967	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	282.35	109.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.12	
26 05 36 00-0968	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	334.98	136.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.75	
26 05 36 00-0969	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	381.71	157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.09	
26 05 36 00-0970	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	428.36	179.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.42	
26 05 36 00-0971	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	491.92	207.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.60	
26 05 36 00-0972			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0973	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	249.67	89.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.48	
26 05 36 00-0974	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	275.77	103.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.79	
26 05 36 00-0975	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	308.18	116.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.41	
26 05 36 00-0976	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	372.49	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.62	
26 05 36 00-0977	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	431.76	171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.59	
26 05 36 00-0978	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	489.09	197.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.45	
26 05 36 00-0979	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	570.02	231.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.50	
26 05 36 00-0980			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	133.45	59.77
			<i>For 60 Degree Bend, Deduct</i>	-21.13	
			<i>For 30 Degree Bend, Deduct</i>	-38.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.67	
26 05 36 00-0982	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	154.60	71.70
			<i>For 60 Degree Bend, Deduct</i>	-23.55	
			<i>For 30 Degree Bend, Deduct</i>	-43.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.73	
26 05 36 00-0983	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	173.51	82.23
			<i>For 60 Degree Bend, Deduct</i>	-25.74	
			<i>For 30 Degree Bend, Deduct</i>	-47.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.68	
26 05 36 00-0984	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	216.16	103.93
			<i>For 60 Degree Bend, Deduct</i>	-31.50	
			<i>For 30 Degree Bend, Deduct</i>	-58.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.81	
26 05 36 00-0985	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	265.54	127.29
			<i>For 60 Degree Bend, Deduct</i>	-38.84	
			<i>For 30 Degree Bend, Deduct</i>	-71.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.28	
26 05 36 00-0986	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	304.77	146.11
			<i>For 60 Degree Bend, Deduct</i>	-44.56	
			<i>For 30 Degree Bend, Deduct</i>	-82.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	349.71	171.52
<i>For 60 Degree Bend, Deduct</i>	-49.65	
<i>For 30 Degree Bend, Deduct</i>	-92.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.49	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	148.31	61.67
<i>For 60 Degree Bend, Deduct</i>	-25.31	
<i>For 30 Degree Bend, Deduct</i>	-45.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.42	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	174.70	74.33
<i>For 60 Degree Bend, Deduct</i>	-29.15	
<i>For 30 Degree Bend, Deduct</i>	-52.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.74	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	195.14	85.84
<i>For 60 Degree Bend, Deduct</i>	-31.49	
<i>For 30 Degree Bend, Deduct</i>	-57.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.76	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	238.72	109.61
<i>For 60 Degree Bend, Deduct</i>	-36.75	
<i>For 30 Degree Bend, Deduct</i>	-67.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.94	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	292.01	136.17
<i>For 60 Degree Bend, Deduct</i>	-44.18	
<i>For 30 Degree Bend, Deduct</i>	-81.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.60	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	341.34	157.96
<i>For 60 Degree Bend, Deduct</i>	-52.11	
<i>For 30 Degree Bend, Deduct</i>	-95.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.07	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	395.41	188.04
<i>For 60 Degree Bend, Deduct</i>	-58.41	
<i>For 30 Degree Bend, Deduct</i>	-107.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.87	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.77	
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0997 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	167.23	63.64
<i>For 60 Degree Bend, Deduct</i>	-30.80	
<i>For 30 Degree Bend, Deduct</i>	-54.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.36	
26 05 36 00-0998 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	191.31	77.29
<i>For 60 Degree Bend, Deduct</i>	-33.51	
<i>For 30 Degree Bend, Deduct</i>	-60.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.57	
26 05 36 00-0999 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	213.31	89.71
<i>For 60 Degree Bend, Deduct</i>	-36.01	
<i>For 30 Degree Bend, Deduct</i>	-65.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.67	
26 05 36 00-1000 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	263.90	116.10
<i>For 60 Degree Bend, Deduct</i>	-42.57	
<i>For 30 Degree Bend, Deduct</i>	-77.40	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.20	
26 05 36 00-1001 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	329.51	146.11
<i>For 60 Degree Bend, Deduct</i>	-52.72	
<i>For 30 Degree Bend, Deduct</i>	-95.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.48	
26 05 36 00-1002 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	377.06	171.52
<i>For 60 Degree Bend, Deduct</i>	-58.67	
<i>For 30 Degree Bend, Deduct</i>	-107.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.85	
26 05 36 00-1003 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	446.34	207.62
<i>For 60 Degree Bend, Deduct</i>	-67.70	
<i>For 30 Degree Bend, Deduct</i>	-124.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.33	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.32	
26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1005 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	205.68	82.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.72	
For 6" Overall Height Instead Of 4-5/8", Add	10.28	
26 05 36 00-1006 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	228.95	93.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.07	
For 6" Overall Height Instead Of 4-5/8", Add	11.45	
26 05 36 00-1007 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	246.67	103.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.02	
For 6" Overall Height Instead Of 4-5/8", Add	12.33	
26 05 36 00-1008 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	288.27	127.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.22	
For 6" Overall Height Instead Of 4-5/8", Add	14.41	
26 05 36 00-1009 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	323.44	146.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.17	
For 6" Overall Height Instead Of 4-5/8", Add	16.17	
26 05 36 00-1010 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	357.71	164.45
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.07	
For 6" Overall Height Instead Of 4-5/8", Add	17.89	
26 05 36 00-1011 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	399.01	187.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.26	
For 6" Overall Height Instead Of 4-5/8", Add	19.95	
26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1013 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	217.21	85.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.57	
For 6" Overall Height Instead Of 4-5/8", Add	10.86	
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	241.83	98.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.96	
For 6" Overall Height Instead Of 4-5/8", Add	12.09	
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	261.97	109.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.06	
For 6" Overall Height Instead Of 4-5/8", Add	13.10	
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	310.51	136.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.71	
For 6" Overall Height Instead Of 4-5/8", Add	15.53	
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	351.81	157.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.02	
For 6" Overall Height Instead Of 4-5/8", Add	17.59	
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	392.39	179.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.30	
For 6" Overall Height Instead Of 4-5/8", Add	19.62	
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	445.91	207.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.29	
For 6" Overall Height Instead Of 4-5/8", Add	22.30	
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	264.21	89.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.95	
For 6" Overall Height Instead Of 4-5/8", Add	13.21	
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	290.35	103.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.38	
For 6" Overall Height Instead Of 4-5/8", Add	14.52	
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	318.38	116.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.16	
For 6" Overall Height Instead Of 4-5/8", Add	15.92	
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	373.36	146.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.16	
For 6" Overall Height Instead Of 4-5/8", Add	18.67	
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	420.69	171.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.77	
For 6" Overall Height Instead Of 4-5/8", Add	21.03	
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	473.68	197.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.92	
For 6" Overall Height Instead Of 4-5/8", Add	23.68	
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	537.41	231.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.42	
For 6" Overall Height Instead Of 4-5/8", Add	26.87	
26 05 36 00-1028 12" Radius Horizontal Tees (26 05 36 00-0955)		
26 05 36 00-1029 EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	342.64	157.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.10	
For 6" Overall Height Instead Of 4-5/8", Add	17.13	
26 05 36 00-1030 EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	370.55	171.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.76	
For 6" Overall Height Instead Of 4-5/8", Add	18.53	
26 05 36 00-1031 EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	384.73	179.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.53	
For 6" Overall Height Instead Of 4-5/8", Add	19.24	
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	431.78	197.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.73	
For 6" Overall Height Instead Of 4-5/8", Add	21.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	478.42 -29.59 23.92	219.04
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	518.66 -32.51 25.93	232.28
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	595.88 -37.67 29.79	262.95
26 05 36 00-1036 24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	421.34 -27.84 21.07	171.52
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	456.62 -29.99 22.83	188.04
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	476.06 -31.16 23.80	197.35
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.31 -34.28 26.27	219.04
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	585.64 -38.01 29.28	246.68
26 05 36 00-1042 EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	629.74 -41.06 31.49	262.95
26 05 36 00-1043 EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	799.34 -54.62 39.97	303.83
26 05 36 00-1044 36" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1045 EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	504.80 -34.81 25.24	188.04
26 05 36 00-1046 EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	542.71 -36.97 27.14	207.62
26 05 36 00-1047 EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	580.01 -39.75 29.00	219.04
26 05 36 00-1048 EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	637.74 -43.22 31.89	246.68
26 05 36 00-1049 EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	719.37 -48.47 35.97	281.63
26 05 36 00-1050 EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	822.78 -56.96 41.14	303.83
26 05 36 00-1051 EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	949.20 -65.04 47.46	358.50
26 05 36 00-1052 12" Radius Vertical Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1053 EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	421.98 -30.02 21.10	146.11
26 05 36 00-1054 EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	436.78 -31.02 21.84	151.87
26 05 36 00-1055 EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	448.13 -31.65 22.41	157.96
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	474.74 -33.18 23.74	171.52
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	503.25 -35.39 25.16	179.25
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	537.27 -37.28 26.86	197.35
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	580.01 -39.75 29.00	219.04
26 05 36 00-1060 24" Radius Vertical Tees <small>(26 05 36 00-0955)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	565.34 -43.37 28.27	157.96
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	580.14 -44.31 29.01	164.45
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	595.86 -45.29 29.79	171.52
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	632.43 -47.58 31.62	188.04
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	655.79 -49.13 32.79	197.35
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	699.82 -51.73 34.99	219.04
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	775.78 -57.02 38.79	246.68
26 05 36 00-1068		36" Radius Vertical Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	860.69 -71.77 43.03	171.52
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	881.03 -73.16 44.05	179.25
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	903.07 -74.64 45.15	188.04
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	943.25 -77.02 47.16	207.62
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	969.77 -78.72 48.49	219.04
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,038.17 -83.26 51.91	246.68
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,103.82 -86.92 55.19	281.63
26 05 36 00-1076		12" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	439.60 -27.52 21.98	197.35
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	468.48 -29.55 23.42	207.62
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	488.84 -30.63 24.44	219.04
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	536.89 -34.33 26.84	232.28
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	593.28 -37.41 29.66	262.95
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	651.65 -41.70 32.58	281.63
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	734.22 -48.11 36.71	303.83
26 05 36 00-1084		24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	577.40 -39.48 28.87	219.04
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	605.91 -41.24 30.30	232.28
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	636.43 -43.09 31.82	246.68
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	675.33 -45.62 33.77	262.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.17 -51.10 38.21	303.83
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	824.27 -55.02 41.21	328.90
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	908.83 -61.00 45.44	358.50
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	661.18 -45.56 33.06	246.68
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	698.77 -47.96 34.94	262.95
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	745.42 -51.08 37.27	281.63
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	800.64 -54.75 40.03	303.83
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	962.22 -66.34 48.11	358.50
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,060.47 -73.21 53.02	394.02
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,180.85 -81.51 59.04	438.92
26 05 36 00-1100 12" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	439.60 -27.52 21.98	197.35
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	468.60 -29.55 23.43	207.70
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	488.77 -30.62 24.44	219.04
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	537.04 -34.34 26.85	232.36
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	593.28 -37.41 29.66	262.95
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	651.87 -41.71 32.59	281.71
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	733.60 -48.08 36.68	303.41
26 05 36 00-1108 24" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	577.40 -39.48 28.87	219.04
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	605.91 -41.24 30.30	232.28
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	636.43 -43.09 31.82	246.68
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	675.33 -45.62 33.77	262.95
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.17 -51.10 38.21	303.83
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	824.27 -55.02 41.21	328.90
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	908.83 -61.00 45.44	358.50
26 05 36 00-1116 36" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	773.70	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.81	
For 6" Overall Height Instead Of 4-5/8", Add	38.69	
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	815.98	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.68	
For 6" Overall Height Instead Of 4-5/8", Add	40.80	
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	869.66	281.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.50	
For 6" Overall Height Instead Of 4-5/8", Add	43.48	
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	933.09	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.99	
For 6" Overall Height Instead Of 4-5/8", Add	46.65	
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,126.32	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.75	
For 6" Overall Height Instead Of 4-5/8", Add	56.32	
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,242.15	394.02
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.38	
For 6" Overall Height Instead Of 4-5/8", Add	62.11	
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,383.03	438.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-101.73	
For 6" Overall Height Instead Of 4-5/8", Add	69.15	
26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	180.28	82.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.16	
For 6" Overall Height Instead Of 4-5/8", Add	9.01	
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	200.51	93.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.22	
For 6" Overall Height Instead Of 4-5/8", Add	10.03	
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	225.12	103.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.86	
For 6" Overall Height Instead Of 4-5/8", Add	11.26	
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	270.75	127.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.47	
For 6" Overall Height Instead Of 4-5/8", Add	13.54	
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	316.27	146.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.45	
For 6" Overall Height Instead Of 4-5/8", Add	15.81	
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	351.14	164.45
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.41	
For 6" Overall Height Instead Of 4-5/8", Add	17.56	
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	406.60	187.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.00	
For 6" Overall Height Instead Of 4-5/8", Add	20.33	
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	218.92	85.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.74	
For 6" Overall Height Instead Of 4-5/8", Add	10.95	
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	243.55	98.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.14	
For 6" Overall Height Instead Of 4-5/8", Add	12.18	
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	265.74	109.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.44	
For 6" Overall Height Instead Of 4-5/8", Add	13.29	
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	316.97	136.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.35	
For 6" Overall Height Instead Of 4-5/8", Add	15.85	
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	361.96	157.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.04	
For 6" Overall Height Instead Of 4-5/8", Add	18.10	
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	406.77	179.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.74	
For 6" Overall Height Instead Of 4-5/8", Add	20.34	
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	467.61	207.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.46	
For 6" Overall Height Instead Of 4-5/8", Add	23.38	
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	232.96	89.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.83	
For 6" Overall Height Instead Of 4-5/8", Add	11.65	
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	258.63	103.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.22	
For 6" Overall Height Instead Of 4-5/8", Add	12.93	
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	289.07	116.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.23	
For 6" Overall Height Instead Of 4-5/8", Add	14.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	351.00	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.55	
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	407.45	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.37	
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	462.39	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.12	
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	539.41	231.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.97	
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	127.81	59.77
<i>For 60 Degree Bend, Deduct</i>	-19.27	
<i>For 30 Degree Bend, Deduct</i>	-35.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.39	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	148.74	71.70
<i>For 60 Degree Bend, Deduct</i>	-21.61	
<i>For 30 Degree Bend, Deduct</i>	-40.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.44	
26 05 36 00-1152 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	167.43	82.23
<i>For 60 Degree Bend, Deduct</i>	-23.73	
<i>For 30 Degree Bend, Deduct</i>	-44.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.37	
26 05 36 00-1153 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	208.99	103.93
<i>For 60 Degree Bend, Deduct</i>	-29.14	
<i>For 30 Degree Bend, Deduct</i>	-54.33	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.24	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.45	
26 05 36 00-1154 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	256.64	127.29
<i>For 60 Degree Bend, Deduct</i>	-35.90	
<i>For 30 Degree Bend, Deduct</i>	-66.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.83	
26 05 36 00-1155 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	294.57	146.11
<i>For 60 Degree Bend, Deduct</i>	-41.19	
<i>For 30 Degree Bend, Deduct</i>	-76.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.73	
26 05 36 00-1156 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	339.08	171.52
<i>For 60 Degree Bend, Deduct</i>	-46.14	
<i>For 30 Degree Bend, Deduct</i>	-86.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.95	
26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	140.71	61.67
<i>For 60 Degree Bend, Deduct</i>	-22.81	
<i>For 30 Degree Bend, Deduct</i>	-41.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.04	
26 05 36 00-1159 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	166.24	74.33
<i>For 60 Degree Bend, Deduct</i>	-26.36	
<i>For 30 Degree Bend, Deduct</i>	-48.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.31	
26 05 36 00-1160 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	186.46	85.84
<i>For 60 Degree Bend, Deduct</i>	-28.63	
<i>For 30 Degree Bend, Deduct</i>	-52.49	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.32	
26 05 36 00-1161 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	229.39	109.61
<i>For 60 Degree Bend, Deduct</i>	-33.67	
<i>For 30 Degree Bend, Deduct</i>	-62.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.47	
26 05 36 00-1162 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	281.15	136.17
<i>For 60 Degree Bend, Deduct</i>	-40.59	
<i>For 30 Degree Bend, Deduct</i>	-75.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.06	
26 05 36 00-1163 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	328.32	157.96
<i>For 60 Degree Bend, Deduct</i>	-47.81	
<i>For 30 Degree Bend, Deduct</i>	-88.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.42	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	381.73	188.04
			<i>For 60 Degree Bend, Deduct</i>	-53.90	
			<i>For 30 Degree Bend, Deduct</i>	-100.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.09	
26 05 36 00-1165			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	157.03	63.64
			<i>For 60 Degree Bend, Deduct</i>	-27.44	
			<i>For 30 Degree Bend, Deduct</i>	-49.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.85	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	180.89	77.29
			<i>For 60 Degree Bend, Deduct</i>	-30.07	
			<i>For 30 Degree Bend, Deduct</i>	-54.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.04	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	202.68	89.71
			<i>For 60 Degree Bend, Deduct</i>	-32.50	
			<i>For 30 Degree Bend, Deduct</i>	-59.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.13	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	252.18	116.10
			<i>For 60 Degree Bend, Deduct</i>	-38.70	
			<i>For 30 Degree Bend, Deduct</i>	-70.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.61	
26 05 36 00-1170	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	315.19	146.11
			<i>For 60 Degree Bend, Deduct</i>	-47.99	
			<i>For 30 Degree Bend, Deduct</i>	-88.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.34	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.76	
26 05 36 00-1171	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	361.87	171.52
			<i>For 60 Degree Bend, Deduct</i>	-53.66	
			<i>For 30 Degree Bend, Deduct</i>	-98.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.09	
26 05 36 00-1172	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	429.63	207.62
			<i>For 60 Degree Bend, Deduct</i>	-62.18	
			<i>For 30 Degree Bend, Deduct</i>	-115.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.48	
26 05 36 00-1173			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1174	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	196.73	82.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.84	
26 05 36 00-1175	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	219.51	93.90
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.98	
26 05 36 00-1176	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	237.06	103.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.85	
26 05 36 00-1177	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	278.34	127.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.92	
26 05 36 00-1178	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	313.02	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.65	
26 05 36 00-1179	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	346.80	164.45
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.34	
26 05 36 00-1180	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	387.77	187.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.39	
26 05 36 00-1181			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	207.52	85.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.38	
26 05 36 00-1183	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	231.74	98.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.59	
26 05 36 00-1184	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	251.64	109.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.58	
26 05 36 00-1185	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	299.60	136.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.98	
26 05 36 00-1186	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	340.25	157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.87	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	380.18 -23.08 19.01	179.25
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	432.88 -25.99 21.64	207.62
26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	249.24 -17.45 12.46	89.62
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	275.05 -18.85 13.75	103.85
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	302.10 -20.53 15.11	116.10
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	356.43 -23.47 17.82	146.11
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	403.11 -26.02 20.16	171.52
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	454.79 -29.03 22.74	197.35
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	517.71 -32.45 25.89	231.87
26 05 36 00-1197 12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	329.40 -19.78 16.47	157.96
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	356.44 -21.35 17.82	171.52
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	370.41 -22.10 18.52	179.25
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	414.64 -25.02 20.73	197.35
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	459.54 -27.70 22.98	219.04
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	496.73 -30.32 24.84	232.28
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	569.62 -35.05 28.48	262.95
26 05 36 00-1205 24" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	398.77 -25.58 19.94	171.52
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	432.74 -27.61 21.64	188.04
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	451.54 -28.71 22.58	197.35
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	498.61 -31.61 24.93	219.04
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	556.56 -35.10 27.83	246.68
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	597.84 -37.87 29.89	262.95
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	750.50 -49.73 37.53	303.83
26 05 36 00-1213 36" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.90 -31.62 23.65	188.04

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1215	EA		9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	509.94	207.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.50	
26 05 36 00-1216	EA		12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	544.19	219.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.16	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.21	
26 05 36 00-1217	EA		18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	599.97	246.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.00	
26 05 36 00-1218	EA		24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	677.69	281.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.88	
26 05 36 00-1219	EA		30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	770.03	303.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.50	
26 05 36 00-1220	EA		36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	890.60	358.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.53	
26 05 36 00-1221			12" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222	EA		6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	392.24	146.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.61	
26 05 36 00-1223	EA		9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	406.17	151.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.31	
26 05 36 00-1224	EA		12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	417.31	157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.87	
26 05 36 00-1225	EA		18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	443.27	171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.16	
26 05 36 00-1226	EA		24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	469.17	179.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.46	
26 05 36 00-1227	EA		30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	502.54	197.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.13	
26 05 36 00-1228	EA		36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	544.19	219.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.16	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.21	
26 05 36 00-1229			24" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230	EA		6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	514.98	157.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.34	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.75	
26 05 36 00-1231	EA		9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	529.13	164.45
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.46	
26 05 36 00-1232	EA		12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	544.20	171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.21	
26 05 36 00-1233	EA		18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	579.25	188.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.96	
26 05 36 00-1234	EA		24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	601.31	197.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.07	
26 05 36 00-1235	EA		30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	644.04	219.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.20	
26 05 36 00-1236	EA		36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	715.01	246.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.75	
26 05 36 00-1237			36" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238	EA		6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	764.89	171.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.24	
26 05 36 00-1239	EA		9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	783.99	179.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.20	
26 05 36 00-1240	EA		12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	804.79	188.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.24	
26 05 36 00-1241	EA		18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	843.72	207.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.19	
26 05 36 00-1242	EA		24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	868.99	219.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	933.66 -72.81 46.68	246.68
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	998.07 -76.34 49.90	281.63
26 05 36 00-1245 12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	421.15 -25.67 21.06	197.35
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	448.08 -27.51 22.40	207.62
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	468.22 -28.57 23.41	219.04
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	511.93 -31.84 25.60	232.28
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	567.45 -34.83 28.37	262.95
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	621.26 -38.66 31.06	281.63
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	696.23 -44.31 34.81	303.83
26 05 36 00-1253 24" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	542.02 -35.95 27.10	219.04
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	569.45 -37.59 28.47	232.28
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	598.88 -39.33 29.94	246.68
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	635.82 -41.67 31.79	262.95
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	721.20 -46.80 36.06	303.83
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	778.25 -50.42 38.91	328.90
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	856.95 -55.82 42.85	358.50
26 05 36 00-1261 36" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	619.50 -41.39 30.98	246.68
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	655.36 -43.62 32.77	262.95
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	699.40 -46.47 34.97	281.63
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	751.58 -49.84 37.58	303.83
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	901.45 -60.27 45.07	358.50
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	993.19 -66.48 49.66	394.02
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,105.96 -74.02 55.30	438.92
26 05 36 00-1269 12" Radius Vertical Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	421.15 -25.67 21.06	197.35

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	448.08	207.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.51	
For 6" Overall Height Instead Of 4-5/8", Add	22.40	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	468.22	219.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.57	
For 6" Overall Height Instead Of 4-5/8", Add	23.41	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	511.93	232.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.84	
For 6" Overall Height Instead Of 4-5/8", Add	25.60	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	567.45	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.83	
For 6" Overall Height Instead Of 4-5/8", Add	28.37	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	621.26	281.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.66	
For 6" Overall Height Instead Of 4-5/8", Add	31.06	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	694.99	303.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.25	
For 6" Overall Height Instead Of 4-5/8", Add	34.75	
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	542.02	219.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.95	
For 6" Overall Height Instead Of 4-5/8", Add	27.10	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	569.45	232.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.59	
For 6" Overall Height Instead Of 4-5/8", Add	28.47	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	598.88	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.33	
For 6" Overall Height Instead Of 4-5/8", Add	29.94	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	635.82	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.67	
For 6" Overall Height Instead Of 4-5/8", Add	31.79	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	721.20	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.80	
For 6" Overall Height Instead Of 4-5/8", Add	36.06	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	778.25	328.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.42	
For 6" Overall Height Instead Of 4-5/8", Add	38.91	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	856.95	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.82	
For 6" Overall Height Instead Of 4-5/8", Add	42.85	
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	713.27	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.77	
For 6" Overall Height Instead Of 4-5/8", Add	35.66	
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	753.03	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.39	
For 6" Overall Height Instead Of 4-5/8", Add	37.65	
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	802.94	281.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.83	
For 6" Overall Height Instead Of 4-5/8", Add	40.15	
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	861.96	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.88	
For 6" Overall Height Instead Of 4-5/8", Add	43.10	
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,038.19	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.94	
For 6" Overall Height Instead Of 4-5/8", Add	51.91	
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,144.58	394.02
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.62	
For 6" Overall Height Instead Of 4-5/8", Add	57.23	
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,274.45	438.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.87	
For 6" Overall Height Instead Of 4-5/8", Add	63.72	
26 05 36 00-1293 12" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	177.28	82.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.86	
For 6" Overall Height Instead Of 4-5/8", Add	8.86	
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	197.44	93.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.92	
For 6" Overall Height Instead Of 4-5/8", Add	9.87	
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	221.48	103.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.50	
For 6" Overall Height Instead Of 4-5/8", Add	11.07	
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	266.64	127.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.06	
For 6" Overall Height Instead Of 4-5/8", Add	13.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	311.18	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.56	
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	345.75	164.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.87	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.29	
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	400.07	187.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.00	
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	213.60	85.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.68	
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	238.00	98.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.90	
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	259.93	109.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.00	
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	310.66	136.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.53	
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	355.05	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.75	
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	399.21	179.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.96	
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	459.10	207.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.96	
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	227.11	89.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.24	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.36	
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	252.63	103.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.63	
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	282.39	116.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.12	
26 05 36 00-1314 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	343.48	146.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.17	
26 05 36 00-1315 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	398.94	171.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.95	
26 05 36 00-1316 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	453.05	197.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.65	
26 05 36 00-1317 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	528.70	231.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.44	
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	125.83	59.77
<i>For 60 Degree Bend, Deduct</i>	-18.62	
<i>For 30 Degree Bend, Deduct</i>	-34.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.29	
26 05 36 00-1320 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	146.69	71.70
<i>For 60 Degree Bend, Deduct</i>	-20.94	
<i>For 30 Degree Bend, Deduct</i>	-38.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.33	
26 05 36 00-1321 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	165.30	82.23
<i>For 60 Degree Bend, Deduct</i>	-23.03	
<i>For 30 Degree Bend, Deduct</i>	-42.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.27	
26 05 36 00-1322 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	206.49	103.93
<i>For 60 Degree Bend, Deduct</i>	-28.31	
<i>For 30 Degree Bend, Deduct</i>	-52.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.32	
26 05 36 00-1323 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	253.52	127.29
<i>For 60 Degree Bend, Deduct</i>	-34.87	
<i>For 30 Degree Bend, Deduct</i>	-65.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.68	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1324	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	291.00	146.11
			<i>For 60 Degree Bend, Deduct</i>	-40.01	
			<i>For 30 Degree Bend, Deduct</i>	-74.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.55	
26 05 36 00-1325	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	335.36	171.52
			<i>For 60 Degree Bend, Deduct</i>	-44.91	
			<i>For 30 Degree Bend, Deduct</i>	-84.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.77	
26 05 36 00-1326			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	138.06	61.67
			<i>For 60 Degree Bend, Deduct</i>	-21.93	
			<i>For 30 Degree Bend, Deduct</i>	-39.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.90	
26 05 36 00-1328	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	163.27	74.33
			<i>For 60 Degree Bend, Deduct</i>	-25.38	
			<i>For 30 Degree Bend, Deduct</i>	-46.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.16	
26 05 36 00-1329	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	183.42	85.84
			<i>For 60 Degree Bend, Deduct</i>	-27.63	
			<i>For 30 Degree Bend, Deduct</i>	-50.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.17	
26 05 36 00-1330	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	226.12	109.61
			<i>For 60 Degree Bend, Deduct</i>	-32.59	
			<i>For 30 Degree Bend, Deduct</i>	-60.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.48	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.31	
26 05 36 00-1331	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	277.36	136.17
			<i>For 60 Degree Bend, Deduct</i>	-39.34	
			<i>For 30 Degree Bend, Deduct</i>	-73.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.87	
26 05 36 00-1332	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	323.76	157.96
			<i>For 60 Degree Bend, Deduct</i>	-46.30	
			<i>For 30 Degree Bend, Deduct</i>	-85.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.19	
26 05 36 00-1333	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	376.95	188.04
			<i>For 60 Degree Bend, Deduct</i>	-52.32	
			<i>For 30 Degree Bend, Deduct</i>	-97.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.85	
26 05 36 00-1334			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	153.46	63.64
			<i>For 60 Degree Bend, Deduct</i>	-26.26	
			<i>For 30 Degree Bend, Deduct</i>	-47.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.67	
26 05 36 00-1336	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	177.25	77.29
			<i>For 60 Degree Bend, Deduct</i>	-28.87	
			<i>For 30 Degree Bend, Deduct</i>	-52.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.86	
26 05 36 00-1337	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	198.96	89.71
			<i>For 60 Degree Bend, Deduct</i>	-31.27	
			<i>For 30 Degree Bend, Deduct</i>	-57.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.95	
26 05 36 00-1338	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	248.07	116.10
			<i>For 60 Degree Bend, Deduct</i>	-37.34	
			<i>For 30 Degree Bend, Deduct</i>	-68.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.40	
26 05 36 00-1339	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	310.17	146.11
			<i>For 60 Degree Bend, Deduct</i>	-46.34	
			<i>For 30 Degree Bend, Deduct</i>	-85.35	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.51	
26 05 36 00-1340	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	356.55	171.52
			<i>For 60 Degree Bend, Deduct</i>	-51.90	
			<i>For 30 Degree Bend, Deduct</i>	-96.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.83	
26 05 36 00-1341	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	423.78	207.62
			<i>For 60 Degree Bend, Deduct</i>	-60.25	
			<i>For 30 Degree Bend, Deduct</i>	-111.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	190.76 -12.22 9.54	82.23
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	213.21 -13.49 10.66	93.90
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	230.66 -14.41 11.53	103.85
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	271.72 -16.57 13.59	127.29
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	306.07 -18.43 15.30	146.11
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	339.53 -20.25 16.98	164.45
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	380.29 -22.38 19.01	187.72
26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	201.07 -12.96 10.05	85.76
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	225.01 -14.28 11.25	98.67
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	244.74 -15.34 12.24	109.61
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	292.33 -17.89 14.62	136.17
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	332.55 -20.10 16.63	157.96
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	372.04 -22.27 18.60	179.25
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	424.20 -25.12 21.21	207.62
26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	239.25 -16.46 11.96	89.62
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	264.84 -17.83 13.24	103.85
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	291.25 -19.45 14.56	116.10
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	345.14 -22.34 17.26	146.11
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	391.39 -24.84 19.57	171.52
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	442.20 -27.78 22.11	197.35
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	504.58 -31.14 25.23	231.87
26 05 36 00-1366 12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	322.78 -19.12 16.14	157.96
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	349.39 -20.64 17.47	171.52
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	363.25 -21.39 18.16	179.25

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	406.06 -24.16 20.30	197.35
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	450.10 -26.75 22.51	219.04
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	485.77 -29.22 24.29	232.28
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	556.49 -33.73 27.82	262.95
26 05 36 00-1374 24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	387.48 -24.45 19.37	171.52
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	420.80 -26.41 21.04	188.04
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	439.27 -27.48 21.96	197.35
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	485.26 -30.27 24.26	219.04
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	542.01 -33.64 27.10	246.68
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	581.88 -36.27 29.09	262.95
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	726.08 -47.29 36.30	303.83
26 05 36 00-1382 36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	456.94 -30.03 22.85	188.04
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	493.55 -32.05 24.68	207.62
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	526.28 -34.37 26.31	219.04
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	581.08 -37.55 29.05	246.68
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	656.86 -42.22 32.84	281.63
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	743.66 -49.05 37.18	303.83
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	861.29 -56.25 43.06	358.50
26 05 36 00-1390 12" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	377.38 -25.56 18.87	146.11
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	390.87 -26.43 19.54	151.87
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	401.90 -27.03 20.10	157.96
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	427.53 -28.46 21.38	171.52
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	452.13 -30.27 22.61	179.25
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	485.18 -32.07 24.26	197.35
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	526.28 -34.37 26.31	219.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1398				24" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
				EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	489.81	157.96
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.82	
				For 6" Overall Height Instead Of 4-5/8", Add	24.49	
				EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	503.63	164.45
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.66	
				For 6" Overall Height Instead Of 4-5/8", Add	25.18	
				EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	518.37	171.52
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.54	
				For 6" Overall Height Instead Of 4-5/8", Add	25.92	
				EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	552.66	188.04
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.60	
				For 6" Overall Height Instead Of 4-5/8", Add	27.63	
				EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	574.06	197.35
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.96	
				For 6" Overall Height Instead Of 4-5/8", Add	28.70	
				EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	616.15	219.04
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.36	
				For 6" Overall Height Instead Of 4-5/8", Add	30.81	
				EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	684.62	246.68
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.91	
				For 6" Overall Height Instead Of 4-5/8", Add	34.23	
26 05 36 00-1406				36" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
				EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	716.99	171.52
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.40	
				For 6" Overall Height Instead Of 4-5/8", Add	35.85	
				EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	735.47	179.25
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.61	
				For 6" Overall Height Instead Of 4-5/8", Add	36.77	
				EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	755.64	188.04
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.90	
				For 6" Overall Height Instead Of 4-5/8", Add	37.78	
				EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	793.95	207.62
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.09	
				For 6" Overall Height Instead Of 4-5/8", Add	39.70	
				EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	818.61	219.04
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.61	
				For 6" Overall Height Instead Of 4-5/8", Add	40.93	
				EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	881.41	246.68
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.58	
				For 6" Overall Height Instead Of 4-5/8", Add	44.07	
				EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	945.19	281.63
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.05	
				For 6" Overall Height Instead Of 4-5/8", Add	47.26	
26 05 36 00-1414				12" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
				EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	411.92	197.35
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.75	
				For 6" Overall Height Instead Of 4-5/8", Add	20.60	
				EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	437.87	207.62
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.48	
				For 6" Overall Height Instead Of 4-5/8", Add	21.89	
				EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	457.91	219.04
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.54	
				For 6" Overall Height Instead Of 4-5/8", Add	22.90	
				EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	499.45	232.28
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.59	
				For 6" Overall Height Instead Of 4-5/8", Add	24.97	
				EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	554.53	262.95
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.54	
				For 6" Overall Height Instead Of 4-5/8", Add	27.73	
				EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	606.07	281.63
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.14	
				For 6" Overall Height Instead Of 4-5/8", Add	30.30	
				EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	677.24	303.83
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.41	
				For 6" Overall Height Instead Of 4-5/8", Add	33.86	
26 05 36 00-1422				24" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
				EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	524.33	219.04
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.18	
				For 6" Overall Height Instead Of 4-5/8", Add	26.22	
				EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	551.21	232.28
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.77	
				For 6" Overall Height Instead Of 4-5/8", Add	27.56	
				EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	580.11	246.68
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.45	
				For 6" Overall Height Instead Of 4-5/8", Add	29.01	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	616.07	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.69	
For 6" Overall Height Instead Of 4-5/8", Add	30.80	
26 05 36 00-1427 EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	699.71	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.66	
For 6" Overall Height Instead Of 4-5/8", Add	34.99	
26 05 36 00-1428 EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	755.24	328.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.12	
For 6" Overall Height Instead Of 4-5/8", Add	37.76	
26 05 36 00-1429 EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	831.01	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.22	
For 6" Overall Height Instead Of 4-5/8", Add	41.55	
26 05 36 00-1430 36" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1431 EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	598.67	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.31	
For 6" Overall Height Instead Of 4-5/8", Add	29.93	
26 05 36 00-1432 EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	633.65	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.45	
For 6" Overall Height Instead Of 4-5/8", Add	31.68	
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	676.39	281.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.17	
For 6" Overall Height Instead Of 4-5/8", Add	33.82	
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	727.06	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.39	
For 6" Overall Height Instead Of 4-5/8", Add	36.35	
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	871.06	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.23	
For 6" Overall Height Instead Of 4-5/8", Add	43.55	
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	959.54	394.02
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.12	
For 6" Overall Height Instead Of 4-5/8", Add	47.98	
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,068.52	438.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.28	
For 6" Overall Height Instead Of 4-5/8", Add	53.43	
26 05 36 00-1438 12" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	411.92	197.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.75	
For 6" Overall Height Instead Of 4-5/8", Add	20.60	
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	437.99	207.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.49	
For 6" Overall Height Instead Of 4-5/8", Add	21.90	
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	457.84	219.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.53	
For 6" Overall Height Instead Of 4-5/8", Add	22.89	
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	499.60	232.36
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.60	
For 6" Overall Height Instead Of 4-5/8", Add	24.98	
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	554.53	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.54	
For 6" Overall Height Instead Of 4-5/8", Add	27.73	
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	606.29	281.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.15	
For 6" Overall Height Instead Of 4-5/8", Add	30.31	
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	676.62	303.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.38	
For 6" Overall Height Instead Of 4-5/8", Add	33.83	
26 05 36 00-1446 24" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	524.33	219.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.18	
For 6" Overall Height Instead Of 4-5/8", Add	26.22	
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	551.21	232.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.77	
For 6" Overall Height Instead Of 4-5/8", Add	27.56	
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	580.11	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.45	
For 6" Overall Height Instead Of 4-5/8", Add	29.01	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	616.07	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.69	
For 6" Overall Height Instead Of 4-5/8", Add	30.80	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	699.71	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.66	
For 6" Overall Height Instead Of 4-5/8", Add	34.99	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	755.24	328.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.12	
For 6" Overall Height Instead Of 4-5/8", Add	37.76	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	831.01	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.22	
For 6" Overall Height Instead Of 4-5/8", Add	41.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	683.06	246.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.75	
For 6" Overall Height Instead Of 4-5/8", Add	34.15	
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	721.56	262.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.24	
For 6" Overall Height Instead Of 4-5/8", Add	36.08	
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	769.57	281.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.49	
For 6" Overall Height Instead Of 4-5/8", Add	38.48	
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	826.39	303.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.32	
For 6" Overall Height Instead Of 4-5/8", Add	41.32	
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	994.13	358.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.53	
For 6" Overall Height Instead Of 4-5/8", Add	49.71	
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,095.80	394.02
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.74	
For 6" Overall Height Instead Of 4-5/8", Add	54.79	
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,220.16	438.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.44	
For 6" Overall Height Instead Of 4-5/8", Add	61.01	
26 05 36 00-1462 Dropout Or End Plates And Reducers <small>(26 05 36 00-0744)</small>		
26 05 36 00-1463 Straight Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray.....	150.00	60.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.94	
For 6" Overall Height Instead Of 4-5/8", Add	7.50	
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray.....	159.44	65.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.47	
For 6" Overall Height Instead Of 4-5/8", Add	7.97	
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray.....	177.44	75.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.42	
For 6" Overall Height Instead Of 4-5/8", Add	8.87	
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray.....	198.29	87.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.52	
For 6" Overall Height Instead Of 4-5/8", Add	9.91	
26 05 36 00-1468 EA 30"-24" Reducer, Aluminum Cable Tray.....	217.63	98.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.54	
For 6" Overall Height Instead Of 4-5/8", Add	10.88	
26 05 36 00-1469 EA 36"-30" Reducer, Aluminum Cable Tray.....	244.33	112.73
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.04	
For 6" Overall Height Instead Of 4-5/8", Add	12.22	
26 05 36 00-1470 Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471 EA 18"-6" Reducer, Aluminum Cable Tray.....	177.51	75.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.43	
For 6" Overall Height Instead Of 4-5/8", Add	8.88	
26 05 36 00-1472 EA 24"-12" Reducer, Aluminum Cable Tray.....	198.50	87.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.53	
For 6" Overall Height Instead Of 4-5/8", Add	9.93	
26 05 36 00-1473 EA 30"-12" Reducer, Aluminum Cable Tray.....	217.50	98.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.53	
For 6" Overall Height Instead Of 4-5/8", Add	10.88	
26 05 36 00-1474 EA 30"-18" Reducer, Aluminum Cable Tray.....	218.45	98.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.64	
For 6" Overall Height Instead Of 4-5/8", Add	10.92	
26 05 36 00-1475 EA 36"-12" Reducer, Aluminum Cable Tray.....	243.25	112.73
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.93	
For 6" Overall Height Instead Of 4-5/8", Add	12.16	
26 05 36 00-1476 EA 36"-18" Reducer, Aluminum Cable Tray.....	249.27	115.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.29	
For 6" Overall Height Instead Of 4-5/8", Add	12.46	
26 05 36 00-1477 EA 36"-24" Reducer, Aluminum Cable Tray.....	257.61	119.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.81	
For 6" Overall Height Instead Of 4-5/8", Add	12.88	
26 05 36 00-1478 Dropout Or End Plate <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479 EA 6" Dropout Or End Plate, Aluminum Cable Tray.....	47.57	24.67
26 05 36 00-1480 EA 9" Dropout Or End Plate, Aluminum Cable Tray.....	53.85	28.20
26 05 36 00-1481 EA 12" Dropout Or End Plate, Aluminum Cable Tray.....	58.05	30.34
26 05 36 00-1482 EA 18" Dropout Or End Plate, Aluminum Cable Tray.....	69.81	35.85
26 05 36 00-1483 EA 24" Dropout Or End Plate, Aluminum Cable Tray.....	77.56	39.47
26 05 36 00-1484 EA 30" Dropout Or End Plate, Aluminum Cable Tray.....	87.10	43.83
26 05 36 00-1485 EA 36" Dropout Or End Plate, Aluminum Cable Tray.....	97.80	49.33

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1486			Solid Bottom Cable Tray (26 05 36 00-0001) Note: 3-5/8" Height.		
26 05 36 00-1487			Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)		
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section .....18.71	18.71	6.41
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 1.73		
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section.....23.26	23.26	7.90
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 2.18		
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section.....31.35	31.35	11.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 2.81		
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section.....36.23	36.23	12.99
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 3.26		
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section.....43.46	43.46	15.71
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 3.90		
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section.....54.71	54.71	18.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 5.21		
26 05 36 00-1494			Solid Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1486)		
26 05 36 00-1495			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1496	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....197.42	197.42	82.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 15.90		
26 05 36 00-1497	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....260.54	260.54	115.77
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 19.78		
26 05 36 00-1498	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....320.73	320.73	146.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 23.75		
26 05 36 00-1499	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....393.27	393.27	179.49
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 29.07		
26 05 36 00-1500	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....458.78	458.78	208.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 34.15		
26 05 36 00-1501	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....514.93	514.93	232.28
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 38.53		
26 05 36 00-1502			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1503	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....228.46	228.46	85.68
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 19.98		
26 05 36 00-1504	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....305.84	305.84	123.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 25.30		
26 05 36 00-1505	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....378.95	378.95	157.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 30.52		
26 05 36 00-1506	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....463.94	463.94	197.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 36.70		
26 05 36 00-1507	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....544.34	544.34	231.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 43.01		
26 05 36 00-1508	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....615.54	615.54	262.95
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 48.50		
26 05 36 00-1509			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1510	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....274.58	274.58	89.54
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 26.27		
26 05 36 00-1511	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....360.69	360.69	131.81
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 32.14		
26 05 36 00-1512	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....458.72	458.72	171.77
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 40.18		
26 05 36 00-1513	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....552.01	552.01	219.04
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 46.29		
26 05 36 00-1514	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....662.56	662.56	262.95
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 55.55		
26 05 36 00-1515	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....757.07	757.07	303.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 63.05		
26 05 36 00-1516			45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1517	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....182.44	182.44	82.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 13.64		
26 05 36 00-1518	EA		12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....243.66	243.66	115.77
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 17.25		
26 05 36 00-1519	EA		18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....301.14	301.14	145.95
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 20.84		
26 05 36 00-1520	EA		24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....369.31	369.31	179.25
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 25.52		
26 05 36 00-1521	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....430.75	430.75	208.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 29.95		
26 05 36 00-1522	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....482.25	482.25	231.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 33.70		
26 05 36 00-1523			45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1524	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....207.15	207.15	85.76
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 16.78		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	280.62 21.54	123.34
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	350.35 26.20	158.12
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	430.18 31.64	197.35
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	505.58 37.13	232.28
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	571.23 41.85	262.95
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	243.44 21.58	89.62
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	304.99 25.83	119.47
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	415.61 33.71	171.77
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	505.94 39.31	219.46
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	606.50 47.15	262.95
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	695.31 53.67	303.83
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	210.32 17.87	82.07
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	270.19 21.23	115.77
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	321.93 23.93	146.11
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	390.86 28.71	179.49
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	444.31 31.98	208.03
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	487.67 34.51	231.87
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	246.54 22.70	85.68
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	319.10 27.29	123.42
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	386.18 31.61	157.96
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	462.74 36.52	197.35
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	527.46 40.48	231.87
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.63 45.06	262.95
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	290.25 28.62	89.54
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	357.53 33.67	119.72
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	458.72 40.18	171.77
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	554.42 46.65	219.04
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.48 52.84	262.95
26 05 36 00-1557 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	729.33 58.89	303.00
26 05 36 00-1558 12" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	347.60 25.82	157.96
26 05 36 00-1560 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	420.01 30.16	197.01
26 05 36 00-1561 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	495.64 35.63	232.28
26 05 36 00-1562 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.17 41.79	282.20
26 05 36 00-1563 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.97 46.11	303.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1564	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	756.73 53.75	358.50
26 05 36 00-1565			24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	417.32 34.01	171.52
26 05 36 00-1567	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	518.25 41.23	219.04
26 05 36 00-1568	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	608.31 47.42	262.95
26 05 36 00-1569	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	778.46 61.95	328.90
26 05 36 00-1570	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	848.36 67.50	358.50
26 05 36 00-1571	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,002.83 77.27	438.92
26 05 36 00-1572			36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	519.54 46.60	188.04
26 05 36 00-1574	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	641.42 55.10	246.68
26 05 36 00-1575	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	757.10 62.93	303.83
26 05 36 00-1576	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	919.50 78.17	358.50
26 05 36 00-1577	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,008.52 85.39	395.34
26 05 36 00-1578	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,183.97 95.37	493.35
26 05 36 00-1579			12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	401.86 33.96	157.96
26 05 36 00-1581	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	473.59 38.15	197.35
26 05 36 00-1582	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	512.22 40.32	219.04
26 05 36 00-1583	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	547.96 43.56	231.87
26 05 36 00-1584	EA		30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	610.72 47.78	262.95
26 05 36 00-1585	EA		36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	684.76 52.08	303.83
26 05 36 00-1586			24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587	EA		6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	490.87 45.04	171.52
26 05 36 00-1588	EA		12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	579.74 50.45	219.04
26 05 36 00-1589	EA		18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	636.60 54.38	246.68
26 05 36 00-1590	EA		24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	674.62 57.36	262.95
26 05 36 00-1591	EA		30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	765.54 64.20	303.83
26 05 36 00-1592	EA		36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	868.86 70.57	358.50
26 05 36 00-1593			36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594	EA		6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	632.41 63.57	187.72
26 05 36 00-1595	EA		12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	736.68 69.39	246.68
26 05 36 00-1596	EA		18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	818.98 75.92	281.63
26 05 36 00-1597	EA		24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	868.03 79.57	303.83
26 05 36 00-1598	EA		30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,019.57 93.18	358.50
26 05 36 00-1599	EA		36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,102.87 99.76	394.02
26 05 36 00-1600			12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601	EA		6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	430.18 31.64	197.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	496.84 35.81	232.28
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	598.33 42.82	281.63
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	692.86 49.11	328.90
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	818.32 57.07	394.02
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	908.78 63.16	438.92
26 05 36 00-1607 24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	550.25 45.96	219.46
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.48 52.84	262.95
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	778.46 61.95	328.90
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	954.26 77.25	395.34
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,051.06 84.51	438.92
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,159.85 91.75	493.35
26 05 36 00-1614 36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	712.56 65.77	246.68
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	837.88 75.05	303.83
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,020.58 87.20	395.34
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,159.57 100.78	438.92
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,286.45 110.74	493.35
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,433.00 121.09	563.16
26 05 36 00-1621 Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622 EA 12"-6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	168.72 14.34	65.78
26 05 36 00-1623 EA 18"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	184.20 15.24	74.33
26 05 36 00-1624 EA 24"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	205.45 16.54	85.68
26 05 36 00-1625 EA 30"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	231.97 18.35	98.67
26 05 36 00-1626 EA 36"-30" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	252.33 19.61	109.44
26 05 36 00-1627 Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628 EA 18"-6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	184.27 15.24	74.42
26 05 36 00-1629 EA 24"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	204.54 16.38	85.84
26 05 36 00-1630 EA 30"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	229.43 17.98	98.59
26 05 36 00-1631 EA 30"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	230.50 18.16	98.50
26 05 36 00-1632 EA 36"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	251.13 19.43	109.44
26 05 36 00-1633 EA 36"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	252.33 19.61	109.44
26 05 36 00-1634 EA 36"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	253.86 19.81	109.61
26 05 36 00-1635 Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636 EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	53.41	24.67
26 05 36 00-1637 EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	65.47	30.10
26 05 36 00-1638 EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	75.93	35.69
26 05 36 00-1639 EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	85.13	39.47
26 05 36 00-1640 EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	94.72	43.83
26 05 36 00-1641 EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	105.44	49.33
26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section.....	17.29	5.18
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1.73	
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section.....	21.43	6.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.21	
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section.....	27.45	7.90
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.79	
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section.....	32.42	8.72
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.42	
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section.....	39.92	11.27
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	4.11	
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section.....	47.19	12.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	5.02	
26 05 36 00-1649			Solid Bottom Aluminum Cable Tray Fittings (26 05 36 00-1496)		
26 05 36 00-1650			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	206.59	82.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.28	
26 05 36 00-1652	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	250.88	103.60
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.36	
26 05 36 00-1653	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	288.88	116.02
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.99	
26 05 36 00-1654	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	336.75	136.25
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.80	
26 05 36 00-1655	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	397.03	158.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.20	
26 05 36 00-1656	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	448.99	179.49
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.43	
26 05 36 00-1657			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1658	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	241.61	85.68
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.96	
26 05 36 00-1659	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	300.09	109.77
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.73	
26 05 36 00-1660	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	339.05	123.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.30	
26 05 36 00-1661	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	408.52	146.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.92	
26 05 36 00-1662	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	474.34	171.28
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.60	
26 05 36 00-1663	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	545.96	197.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.00	
26 05 36 00-1664			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1665	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	295.69	89.54
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.44	
26 05 36 00-1666	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	369.57	116.26
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.06	
26 05 36 00-1667	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	427.99	131.81
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.24	
26 05 36 00-1668	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	486.43	157.71
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.68	
26 05 36 00-1669	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	566.23	188.04
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.60	
26 05 36 00-1670	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	660.75	218.72
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.67	
26 05 36 00-1671			45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1672	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	191.41	82.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.99	
26 05 36 00-1673	EA		12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	233.69	103.60
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.78	
26 05 36 00-1674	EA		18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	267.69	115.94
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.83	
26 05 36 00-1675	EA		24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	312.14	136.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.16	
26 05 36 00-1676	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	367.66	158.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.80	
26 05 36 00-1677	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	415.17	179.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.44	
26 05 36 00-1678			45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1679	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	219.98	85.76
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.70	
26 05 36 00-1680	EA		12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	274.14	109.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.85	
26 05 36 00-1681	EA		18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	310.09	123.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	372.23 31.48	146.11
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	433.59 36.41	171.77
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	498.20 41.84	197.35
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	263.67 24.61	89.62
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	330.52 30.24	116.02
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	382.15 35.36	131.81
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	437.92 39.33	158.12
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	510.60 45.25	188.04
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	596.87 52.95	219.46
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	219.25 19.21	82.07
26 05 36 00-1694 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	258.48 21.50	103.60
26 05 36 00-1695 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	289.97 24.16	116.02
26 05 36 00-1696 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	329.16 26.66	136.25
26 05 36 00-1697 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	372.07 29.46	158.12
26 05 36 00-1698 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	410.13 31.68	179.00
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	260.06 24.72	85.68
26 05 36 00-1701 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	309.86 28.19	109.77
26 05 36 00-1702 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	342.31 30.79	123.34
26 05 36 00-1703 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	392.24 34.48	146.11
26 05 36 00-1704 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	442.87 37.88	171.28
26 05 36 00-1705 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.54 42.49	197.35
26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	303.29 30.58	89.54
26 05 36 00-1708 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	367.39 35.73	116.26
26 05 36 00-1709 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	408.46 39.31	131.81
26 05 36 00-1710 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	459.30 42.61	157.71
26 05 36 00-1711 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	530.42 48.23	188.04
26 05 36 00-1712 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	590.21 52.08	218.72
26 05 36 00-1713 12" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	370.64 29.28	157.96
26 05 36 00-1715 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	428.58 34.45	179.00
26 05 36 00-1716 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	475.41 38.42	197.35
26 05 36 00-1717 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	529.65 42.87	219.46
26 05 36 00-1718 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	627.14 50.24	262.95
26 05 36 00-1719 EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	765.23 59.97	328.90

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1720 24" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721 EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	462.80	171.52
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.83	
26 05 36 00-1722 EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	528.59	197.35
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.40	
26 05 36 00-1723 EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	590.86	219.04
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.12	
26 05 36 00-1724 EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	715.05	262.95
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.43	
26 05 36 00-1725 EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	862.90	328.90
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.62	
26 05 36 00-1726 EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	952.03	359.57
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	82.87	
26 05 36 00-1727 36" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	600.96	188.04
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.81	
26 05 36 00-1729 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	679.85	219.04
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.47	
26 05 36 00-1730 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	774.70	246.68
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	75.09	
26 05 36 00-1731 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	928.33	303.00
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	88.74	
26 05 36 00-1732 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,125.53	395.34
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	102.94	
26 05 36 00-1733 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,252.47	438.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	114.72	
26 05 36 00-1734 12" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	416.22	157.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.11	
26 05 36 00-1736 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	455.06	179.25
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.38	
26 05 36 00-1737 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	475.68	187.72
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.06	
26 05 36 00-1738 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	502.01	197.01
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.46	
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	553.96	219.04
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.58	
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	637.99	262.95
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.87	
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	511.64	171.52
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.16	
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	567.66	197.35
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.26	
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	601.10	207.62
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.56	
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	641.87	219.04
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.77	
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	715.01	246.68
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	66.14	
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	825.23	303.00
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.28	
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	665.61	187.72
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.55	
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	729.63	216.42
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.38	
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	777.09	231.87
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.92	
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	812.68	246.68
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.79	
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	903.43	281.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	88.58	
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	645.32	358.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.04	
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	435.53	179.25
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.45	
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	483.01	197.35
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.56	
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	562.21	231.87
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	669.01 53.42	281.63
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	730.81 59.11	303.00
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	848.92 67.41	359.57
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	568.18 52.29	197.67
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	641.87 59.77	219.04
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	738.92 67.01	262.95
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	913.20 82.02	329.80
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,000.86 90.20	359.57
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,149.37 99.25	438.92
26 05 36 00-1769 36" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	772.10 79.30	219.04
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	850.67 86.49	246.68
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	994.69 98.57	303.83
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,190.65 112.71	395.34
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,306.74 122.86	438.92
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,495.12 142.04	493.35
26 05 36 00-1776 Straight Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1777 EA 12"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	161.32 14.80	56.41
26 05 36 00-1778 EA 18"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	178.92 15.89	65.70
26 05 36 00-1779 EA 24"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	197.71 17.27	74.33
26 05 36 00-1780 EA 30"-24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	223.26 19.19	85.76
26 05 36 00-1781 EA 36"-30" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	248.84 20.91	98.50
26 05 36 00-1782 Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783 EA 18"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	177.89 15.73	65.70
26 05 36 00-1784 EA 24"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	196.84 17.11	74.50
26 05 36 00-1785 EA 30"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	220.99 18.86	85.68
26 05 36 00-1786 EA 30"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	221.98 19.02	85.68
26 05 36 00-1787 EA 36"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	248.84 20.91	98.50
26 05 36 00-1788 EA 36"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	249.93 21.07	98.50
26 05 36 00-1789 EA 36"-24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	252.36 21.41	98.67
26 05 36 00-1790 Dropout Or End Plate <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791 EA 6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	54.84	24.67
26 05 36 00-1792 EA 12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	65.68	30.10
26 05 36 00-1793 EA 18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	78.09	35.69
26 05 36 00-1794 EA 24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	86.24	39.47
26 05 36 00-1795 EA 30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	96.90	43.83
26 05 36 00-1796 EA 36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	109.90	49.33
26 05 36 00-1797 Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 6" Height.		
26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799 LF 6" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	24.84 -1.76	8.63

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1800 LF 12" Vented Bottom Steel Cable Tray, Straight Section.....	29.14	9.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.09	
26 05 36 00-1801 LF 18" Vented Bottom Steel Cable Tray, Straight Section.....	34.23	11.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.48	
26 05 36 00-1802 LF 24" Vented Bottom Steel Cable Tray, Straight Section.....	39.28	12.99
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.84	
26 05 36 00-1803 LF 30" Vented Bottom Steel Cable Tray, Straight Section.....	51.42	15.71
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.83	
26 05 36 00-1804 LF 36" Vented Bottom Steel Cable Tray, Straight Section.....	61.15	19.73
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.47	
26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1797)		
26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1807 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	237.37	103.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.08	
26 05 36 00-1808 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	310.58	140.61
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.34	
26 05 36 00-1809 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	386.37	179.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.70	
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	473.76	219.46
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.09	
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	534.34	247.17
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.84	
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	611.97	282.20
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.68	
26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	277.35	109.53
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.61	
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	362.34	151.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.58	
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	460.88	197.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.64	
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	559.91	246.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.43	
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	596.30	254.81
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.39	
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	747.35	328.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.33	
26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	334.60	115.77
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.81	
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	436.43	164.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.92	
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	560.15	219.46
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.73	
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	674.50	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.98	
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	778.54	328.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.45	
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	913.52	394.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.51	
26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	223.39	104.01
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.67	
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	293.82	140.61
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.66	
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	366.67	179.00
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.75	
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	449.35	219.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.68	
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	507.41	247.17
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.14	
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	579.76	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.51	
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	256.66	109.61
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.53	
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	338.32	151.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.17	
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	432.37	197.67
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.77	
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	527.18	246.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	604.22 -36.90	282.20
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	703.53 -42.94	328.90
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	303.82 -20.71	116.02
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	400.07 -26.32	164.20
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	517.38 -33.45	219.46
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	630.43 -39.52	282.20
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	727.86 -45.38	328.90
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	859.14 -52.97	395.34
26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	255.53 -16.92	103.60
26 05 36 00-1850 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	326.78 -20.96	140.61
26 05 36 00-1851 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	392.37 -24.30	179.25
26 05 36 00-1852 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	472.56 -28.97	219.46
26 05 36 00-1853 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	521.14 -31.52	247.17
26 05 36 00-1854 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	584.51 -34.99	281.63
26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	301.35 -21.01	109.53
26 05 36 00-1857 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	379.14 -25.26	151.87
26 05 36 00-1858 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	468.08 -30.36	197.35
26 05 36 00-1859 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	555.11 -34.95	246.68
26 05 36 00-1860 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	631.30 -39.66	281.63
26 05 36 00-1861 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	717.35 -44.33	328.90
26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	353.80 -25.73	115.77
26 05 36 00-1864 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	444.83 -30.76	164.70
26 05 36 00-1865 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	555.35 -37.25	219.46
26 05 36 00-1866 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	672.10 -43.74	281.63
26 05 36 00-1867 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	755.75 -48.17	328.90
26 05 36 00-1868 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	887.12 -55.87	394.02
26 05 36 00-1869 12" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	426.09 -26.16	197.35
26 05 36 00-1871 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	518.30 -31.31	246.19
26 05 36 00-1872 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	592.78 -35.76	282.20
26 05 36 00-1873 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	689.75 -41.57	328.90
26 05 36 00-1874 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	759.55 -46.08	358.50
26 05 36 00-1875 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	834.33 -50.60	394.02
26 05 36 00-1876 24" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1877 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	525.90	219.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.33	
26 05 36 00-1878 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	644.50	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.98	
26 05 36 00-1879 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	743.75	328.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.97	
26 05 36 00-1880 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	911.12	394.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.27	
26 05 36 00-1881 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,007.51	438.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.17	
26 05 36 00-1882 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,127.01	493.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.59	
26 05 36 00-1883 36" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1884 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	641.50	246.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.59	
26 05 36 00-1885 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	810.94	328.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.69	
26 05 36 00-1886 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	945.63	395.34
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.62	
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,167.81	493.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.67	
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,308.91	565.79
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-83.74	
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,525.37	656.07
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-97.87	
26 05 36 00-1890 12" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	490.88	197.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.64	
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	575.51	246.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.99	
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	606.28	262.95
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.71	
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	646.90	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.22	
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	694.69	303.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.15	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	789.55	358.50
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.08	
26 05 36 00-1897 24" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	582.29	219.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.97	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	697.29	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.26	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	745.08	303.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.19	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	804.94	328.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.09	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	867.54	358.50
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.88	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,024.31	438.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.85	
26 05 36 00-1904 36" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	755.87	246.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.07	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	902.13	328.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.80	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	963.53	358.50
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.47	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,048.81	395.34
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.94	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,181.49	438.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.57	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,394.60	563.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-92.53	
26 05 36 00-1911 12" Radius Horizontal Crosses (26 05 36 00-1805)		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	535.92	246.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.04	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	596.38	282.20
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.12	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	688.55	328.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.45	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	804.33	394.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	894.52 -53.01	437.36
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,008.23 -59.71	493.35
26 05 36 00-1918 24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	665.97 -43.08	282.20
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	753.35 -47.93	328.90
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	882.32 -55.39	394.02
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,109.02 -69.79	493.35
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,255.41 -78.61	563.16
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,429.38 -88.27	656.07
26 05 36 00-1925 36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	878.13 -60.40	328.90
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,005.62 -67.62	395.34
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,176.21 -76.51	493.35
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,525.22 -97.56	659.53
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,785.66 -112.68	790.59
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,148.44 -132.62	986.71
26 05 36 00-1932 Straight Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	200.62 -13.06	84.03
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	219.43 -14.12	93.90
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	249.59 -15.84	109.44
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	275.15 -17.24	123.34
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	300.78 -18.76	135.84
26 05 36 00-1938 Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	219.43 -14.12	93.90
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	248.71 -15.74	109.61
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	273.74 -17.11	123.18
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	274.74 -17.22	123.09
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	299.58 -18.64	135.84
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	300.78 -18.76	135.84
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	302.48 -18.90	136.17
26 05 36 00-1946 Dropout Or End Plate <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	65.02	30.34
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	76.99	35.60
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	84.89	39.30
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	95.36	43.83
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	106.01	49.25
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	124.57	58.87
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	22.15 -1.68	6.41
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	24.54 -1.87	7.08
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	27.46 -2.09	7.90

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1957	LF		18" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	31.86 -2.45	8.80
26 05 36 00-1958	LF		24" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	36.44 -2.83	9.78
26 05 36 00-1959	LF		30" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	45.89 -3.65	11.27
26 05 36 00-1960	LF		36" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	51.30 -4.03	13.24
26 05 36 00-1961			Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1977)</small>		
26 05 36 00-1962			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	248.06 -16.15	103.93
26 05 36 00-1964	EA		9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	269.47 -17.54	112.81
26 05 36 00-1965	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	298.52 -19.27	127.04
26 05 36 00-1966	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	335.59 -21.83	140.77
26 05 36 00-1967	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	403.51 -26.04	171.77
26 05 36 00-1968	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	473.76 -30.91	197.67
26 05 36 00-1969	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	523.14 -34.03	219.46
26 05 36 00-1970			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	291.09 -19.98	109.53
26 05 36 00-1972	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	353.87 -24.04	136.17
26 05 36 00-1973	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	399.66 -27.31	151.87
26 05 36 00-1974	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	480.02 -32.36	187.72
26 05 36 00-1975	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	555.48 -37.32	218.72
26 05 36 00-1976	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	617.33 -41.18	246.68
26 05 36 00-1977			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	346.04 -24.95	115.77
26 05 36 00-1979	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	418.58 -29.67	146.28
26 05 36 00-1980	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	473.06 -33.58	164.70
26 05 36 00-1981	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	563.12 -39.01	207.62
26 05 36 00-1982	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	590.38 -42.27	201.20
26 05 36 00-1983	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	746.07 -51.14	281.63
26 05 36 00-1984			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	231.73 -14.51	104.01
26 05 36 00-1986	EA		9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	251.73 -15.76	112.97
26 05 36 00-1987	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	279.42 -17.36	127.04
26 05 36 00-1988	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	313.12 -19.59	140.61
26 05 36 00-1989	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	377.32 -23.44	171.52
26 05 36 00-1990	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	442.01 -27.73	197.67
26 05 36 00-1991	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	487.87 -30.53	219.04
26 05 36 00-1992			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	267.37 -17.60	109.61
26 05 36 00-1994	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	325.93 -21.25	136.17
26 05 36 00-1995	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	367.75 -24.10	152.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	443.72 -28.70	188.04
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	514.76 -33.19	219.46
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	571.97 -36.64	246.68
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	312.74 -21.61	116.02
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	379.56 -25.79	145.95
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	429.36 -29.21	164.70
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	515.95 -34.26	208.03
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	586.05 -39.25	232.28
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	686.25 -45.11	282.20
26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	263.90 -17.75	103.60
26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	284.14 -19.04	112.56
26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	309.38 -20.35	127.04
26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	335.59 -21.83	140.77
26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	398.08 -25.49	171.77
26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	446.63 -28.19	197.67
26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	483.42 -30.09	219.04
26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	305.20 -21.39	109.53
26 05 36 00-2016 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	360.38 -24.69	136.17
26 05 36 00-2017 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	398.58 -27.20	151.87
26 05 36 00-2018 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	460.96 -30.43	188.04
26 05 36 00-2019 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	520.32 -33.78	219.04
26 05 36 00-2020 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	573.92 -36.84	246.68
26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	344.96 -24.85	115.77
26 05 36 00-2023 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	406.64 -28.47	146.28
26 05 36 00-2024 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	456.78 -31.96	164.70
26 05 36 00-2025 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	543.58 -37.06	207.62
26 05 36 00-2026 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	604.18 -41.06	232.28
26 05 36 00-2027 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	692.89 -45.82	281.63
26 05 36 00-2028 12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	442.85 -27.84	197.35
26 05 36 00-2030 EA 9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	463.27 -29.02	207.62
26 05 36 00-2031 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	491.45 -30.92	218.72
26 05 36 00-2032 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	559.55 -35.36	247.17
26 05 36 00-2033 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	638.62 -40.40	281.63
26 05 36 00-2034 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	729.41 -45.53	328.90

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2035 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	803.77 -50.50	358.50
26 05 36 00-2036 24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	538.76 -35.62	219.04
26 05 36 00-2038 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	607.83 -40.27	246.19
26 05 36 00-2039 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	686.38 -45.17	281.63
26 05 36 00-2040 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	818.03 -54.47	328.00
26 05 36 00-2041 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	951.89 -62.25	395.34
26 05 36 00-2042 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,073.40 -70.76	438.92
26 05 36 00-2043 36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	690.05 -48.45	246.68
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	789.48 -55.48	281.63
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	821.39 -59.25	274.71
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,080.01 -75.16	394.02
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,275.94 -86.32	495.33
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,459.58 -99.03	563.16
26 05 36 00-2050 12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	485.18 -32.07	197.35
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	503.43 -33.04	207.62
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	534.42 -35.19	219.04
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	557.51 -36.40	232.28
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	585.04 -37.99	246.19
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	620.63 -40.15	262.95
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	694.99 -44.25	303.00
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	586.52 -40.40	219.04
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	649.07 -44.39	246.19
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	693.34 -47.42	262.95
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	740.64 -50.60	281.63
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	798.10 -54.56	303.00
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	897.76 -59.81	359.57
26 05 36 00-2065 36" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	752.17 -54.70	246.19
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	832.89 -59.82	281.63
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	879.49 -62.70	303.00
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	951.18 -67.64	329.80
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,033.42 -73.38	359.57
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,184.76 -82.03	437.36
26 05 36 00-2072 12" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	507.29	219.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.47	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	539.06	232.28
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.55	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	568.23	247.17
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.23	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	633.20	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.85	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	729.04	328.00
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.57	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	817.23	357.52
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.93	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	998.52	438.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.28	
26 05 36 00-2080 24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	666.99	247.17
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.10	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	748.24	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.36	
26 05 36 00-2083 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	847.33	328.00
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.40	
26 05 36 00-2084 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,004.04	394.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.57	
26 05 36 00-2085 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,103.36	437.36
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.89	
26 05 36 00-2086 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,361.91	563.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.26	
26 05 36 00-2087 36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	887.15	281.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.25	
26 05 36 00-2089 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	994.59	329.80
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.98	
26 05 36 00-2090 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,139.70	394.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.13	
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,384.47	495.33
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-97.17	
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,550.71	565.79
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-107.92	
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,798.85	656.07
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-125.21	
26 05 36 00-2094 Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095 EA 9"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	179.15	65.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-12.43	
26 05 36 00-2096 EA 12"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	188.19	69.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.05	
26 05 36 00-2097 EA 18"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	215.09	82.15
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.66	
26 05 36 00-2098 EA 24"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	239.89	93.82
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.17	
26 05 36 00-2099 EA 30"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	268.46	109.61
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.71	
26 05 36 00-2100 EA 36"-30" Reducer, Vented Bottom, Aluminum Cable Tray.....	294.14	123.09
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.16	
26 05 36 00-2101 Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102 EA 12"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	188.00	69.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.04	
26 05 36 00-2103 EA 18"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	215.00	82.15
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.66	
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	215.00	82.15
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.66	
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	240.01	93.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.18	
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	240.01	93.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.18	
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	240.25	93.98
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.19	
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	270.47	109.53
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.92	
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	268.14	109.44
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.69	
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	294.14	123.09
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.16	
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	294.14	123.09
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.16	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	294.55 -19.18	123.34
26 05 36 00-2113 Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	64.78	30.34
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	70.69	33.13
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	76.11	35.60
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	85.75	39.30
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	97.52	43.83
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	108.18	49.25
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	123.84	56.41
26 05 36 00-2121 Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122 Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123 Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section	6.29	1.48
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	7.56	1.72
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	8.87	1.97
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	12.00	2.64
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	15.29	3.54
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	18.58	4.36
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	95.29	49.42
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	37.00	5.26
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	41.47	6.16
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	45.14	7.32
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	61.21	9.37
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	75.10	11.93
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	90.39	13.24
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	109.13	15.79
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	56.48	5.83
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	59.34	6.83
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	67.13	8.22
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	83.34	10.44
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	102.35	13.16
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	130.87	15.13
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	152.32	17.92
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	79.30	6.57
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	88.25	7.57
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	96.04	9.37
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	121.46	10.93
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	147.69	15.21
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	173.79	17.19
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	203.21	19.73
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	28.85	5.26
<i>For 60 Degree Bend, Deduct</i>	-7.49	
<i>For 30 Degree Bend, Deduct</i>	-12.78	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	34.27	6.16
<i>For 60 Degree Bend, Deduct</i>	-8.95	
<i>For 30 Degree Bend, Deduct</i>	-15.25	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	38.54	7.32
<i>For 60 Degree Bend, Deduct</i>	-9.93	
<i>For 30 Degree Bend, Deduct</i>	-16.95	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	46.73	8.96
<i>For 60 Degree Bend, Deduct</i>	-11.99	
<i>For 30 Degree Bend, Deduct</i>	-20.48	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	54.54	10.36
<i>For 60 Degree Bend, Deduct</i>	-14.01	
<i>For 30 Degree Bend, Deduct</i>	-23.93	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	63.72	11.93
<i>For 60 Degree Bend, Deduct</i>	-16.44	
<i>For 30 Degree Bend, Deduct</i>	-28.07	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	71.12	13.16
<i>For 60 Degree Bend, Deduct</i>	-18.43	
<i>For 30 Degree Bend, Deduct</i>	-31.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	39.10	5.83
<i>For 60 Degree Bend, Deduct</i>	-10.67	
<i>For 30 Degree Bend, Deduct</i>	-18.11	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	44.35	6.83
<i>For 60 Degree Bend, Deduct</i>	-12.03	
<i>For 30 Degree Bend, Deduct</i>	-20.42	
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	50.94	8.22
<i>For 60 Degree Bend, Deduct</i>	-13.65	
<i>For 30 Degree Bend, Deduct</i>	-23.21	
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	59.07	9.86
<i>For 60 Degree Bend, Deduct</i>	-15.71	
<i>For 30 Degree Bend, Deduct</i>	-26.72	
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	68.02	11.27
<i>For 60 Degree Bend, Deduct</i>	-18.12	
<i>For 30 Degree Bend, Deduct</i>	-30.82	
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	84.37	13.16
<i>For 60 Degree Bend, Deduct</i>	-22.79	
<i>For 30 Degree Bend, Deduct</i>	-38.71	
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	93.72	15.21
<i>For 60 Degree Bend, Deduct</i>	-25.10	
<i>For 30 Degree Bend, Deduct</i>	-42.68	
26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	53.53	6.57
<i>For 60 Degree Bend, Deduct</i>	-15.15	
<i>For 30 Degree Bend, Deduct</i>	-25.02	
26 05 36 00-2173 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	60.65	7.57
<i>For 60 Degree Bend, Deduct</i>	-17.10	
<i>For 30 Degree Bend, Deduct</i>	-28.93	
26 05 36 00-2174 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	68.40	9.37
<i>For 60 Degree Bend, Deduct</i>	-18.98	
<i>For 30 Degree Bend, Deduct</i>	-32.16	
26 05 36 00-2175 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	77.96	10.44
<i>For 60 Degree Bend, Deduct</i>	-21.73	
<i>For 30 Degree Bend, Deduct</i>	-36.80	
26 05 36 00-2176 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	95.03	12.75
<i>For 60 Degree Bend, Deduct</i>	-26.47	
<i>For 30 Degree Bend, Deduct</i>	-44.83	
26 05 36 00-2177 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	105.72	15.21
<i>For 60 Degree Bend, Deduct</i>	-29.06	
<i>For 30 Degree Bend, Deduct</i>	-49.28	
26 05 36 00-2178 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	124.61	16.45
<i>For 60 Degree Bend, Deduct</i>	-34.81	
<i>For 30 Degree Bend, Deduct</i>	-58.94	
26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180 EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	32.30	5.26
26 05 36 00-2181 EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	34.27	6.16
26 05 36 00-2182 EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	37.94	7.32
26 05 36 00-2183 EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	44.35	8.96
26 05 36 00-2184 EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	49.34	11.60
26 05 36 00-2185 EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	55.00	13.24
26 05 36 00-2186 EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	68.88	15.79
26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188 EA 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	38.49	5.83
26 05 36 00-2189 EA 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	43.15	6.83
26 05 36 00-2190 EA 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	46.74	8.22
26 05 36 00-2191 EA 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	60.24	9.86
26 05 36 00-2192 EA 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	70.41	12.75
26 05 36 00-2193 EA 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	81.09	15.21
26 05 36 00-2194 EA 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	93.52	17.92
26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196 EA 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	44.51	6.57
26 05 36 00-2197 EA 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	55.26	7.57
26 05 36 00-2198 EA 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	63.64	9.37
26 05 36 00-2199 EA 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	77.96	10.44
26 05 36 00-2200 EA 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	91.49	14.55
26 05 36 00-2201 EA 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	109.00	17.19
26 05 36 00-2202 EA 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	127.62	19.73
26 05 36 00-2203 12" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	56.90	8.55
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	60.24	9.86
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	68.47	11.60

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	81.97	13.16
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	100.92	15.21
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	125.27	21.87
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	150.55	26.23
26 05 36 00-2211 24" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	82.14	8.96
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	94.15	10.44
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	99.73	12.34
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	125.50	14.14
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	183.32	16.45
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	218.72	24.67
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	246.14	30.34
26 05 36 00-2219 36" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	136.82	9.37
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	141.84	10.93
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	158.73	13.16
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	186.15	15.21
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	241.11	17.92
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	276.28	28.28
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	319.98	35.77
26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	82.91	11.60
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	87.75	12.34
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	96.97	13.16
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	114.12	15.21
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	144.44	21.87
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	167.30	26.23
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	190.94	28.20
26 05 36 00-2235 24" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	141.77	12.34
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	153.94	13.16
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	165.09	14.14
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	196.52	16.45
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	247.49	24.67
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	283.27	30.34
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	316.27	32.80
26 05 36 00-2243 36" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	224.73	13.16
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	233.49	14.14
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	246.14	15.21
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	284.30	17.92
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	371.04	28.20
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	407.84	35.93
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	437.74	39.47
26 05 36 00-2251 Reducers (26 05 36 00-2122)		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	37.28	6.16
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	40.37	7.32
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	40.37	7.32
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	44.95	8.96
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	44.95	8.96
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	54.85	9.86
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	58.45	9.86
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	57.21	11.27
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	60.81	11.27
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	63.20	11.27
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	66.11	12.34
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	67.31	12.34
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	68.51	12.34
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	69.11	12.34
26 05 36 00-2266 Aluminum Covers (26 05 36 00-2121)		
26 05 36 00-2267 Ventilated Straight Sections (26 05 36 00-2266)		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section.....	5.82	1.48
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section.....	6.90	1.72
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section.....	8.07	1.97
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section.....	10.73	2.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section	13.91	3.54
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section	16.04	4.36
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section	91.67	49.42
26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	33.76	5.26
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	36.32	6.16
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	40.36	7.32
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	52.52	9.37
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	66.58	11.93
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	77.89	13.24
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	94.71	15.79
26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	43.88	5.83
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	53.68	6.83
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	60.41	8.22
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	72.70	10.44
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	90.33	13.16
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	108.85	15.13
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	133.03	17.92
26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	69.52	6.57
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	76.69	7.57
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	88.36	9.37
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	105.09	10.93
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	130.57	15.21
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	150.16	17.19
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	175.00	19.73
26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	27.26	5.26
<i>For 60 Degree Bend, Deduct</i>	-6.97	
<i>For 30 Degree Bend, Deduct</i>	-11.91	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	29.26	6.16
<i>For 60 Degree Bend, Deduct</i>	-7.29	
<i>For 30 Degree Bend, Deduct</i>	-12.50	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	33.41	7.32
<i>For 60 Degree Bend, Deduct</i>	-8.23	
<i>For 30 Degree Bend, Deduct</i>	-14.13	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	39.35	8.96
<i>For 60 Degree Bend, Deduct</i>	-9.55	
<i>For 30 Degree Bend, Deduct</i>	-16.42	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	44.47	10.36
<i>For 60 Degree Bend, Deduct</i>	-10.69	
<i>For 30 Degree Bend, Deduct</i>	-18.39	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	54.12	11.93
<i>For 60 Degree Bend, Deduct</i>	-13.28	
<i>For 30 Degree Bend, Deduct</i>	-22.79	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	63.17	13.16
<i>For 60 Degree Bend, Deduct</i>	-15.80	
<i>For 30 Degree Bend, Deduct</i>	-27.07	
26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	31.13	5.83
<i>For 60 Degree Bend, Deduct</i>	-8.04	
<i>For 30 Degree Bend, Deduct</i>	-13.73	
26 05 36 00-2309 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	38.48	6.83
<i>For 60 Degree Bend, Deduct</i>	-10.09	
<i>For 30 Degree Bend, Deduct</i>	-17.19	
26 05 36 00-2310 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	41.96	8.22
<i>For 60 Degree Bend, Deduct</i>	-10.69	
<i>For 30 Degree Bend, Deduct</i>	-18.27	
26 05 36 00-2311 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	50.66	9.86
<i>For 60 Degree Bend, Deduct</i>	-12.93	
<i>For 30 Degree Bend, Deduct</i>	-22.10	
26 05 36 00-2312 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	61.16	11.27
<i>For 60 Degree Bend, Deduct</i>	-15.85	
<i>For 30 Degree Bend, Deduct</i>	-27.05	
26 05 36 00-2313 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	70.82	13.16
<i>For 60 Degree Bend, Deduct</i>	-18.32	
<i>For 30 Degree Bend, Deduct</i>	-31.26	
26 05 36 00-2314 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	81.76	15.21
<i>For 60 Degree Bend, Deduct</i>	-21.15	
<i>For 30 Degree Bend, Deduct</i>	-36.10	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2315			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2316	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	47.83	6.57
			<i>For 60 Degree Bend, Deduct</i>	-13.27	
			<i>For 30 Degree Bend, Deduct</i>	-22.48	
26 05 36 00-2317	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	52.82	7.57
			<i>For 60 Degree Bend, Deduct</i>	-14.52	
			<i>For 30 Degree Bend, Deduct</i>	-24.62	
26 05 36 00-2318	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	57.94	9.37
			<i>For 60 Degree Bend, Deduct</i>	-15.53	
			<i>For 30 Degree Bend, Deduct</i>	-26.40	
26 05 36 00-2319	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	68.38	10.44
			<i>For 60 Degree Bend, Deduct</i>	-18.57	
			<i>For 30 Degree Bend, Deduct</i>	-31.53	
26 05 36 00-2320	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	83.10	12.75
			<i>For 60 Degree Bend, Deduct</i>	-22.54	
			<i>For 30 Degree Bend, Deduct</i>	-38.27	
26 05 36 00-2321	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	95.87	15.21
			<i>For 60 Degree Bend, Deduct</i>	-25.81	
			<i>For 30 Degree Bend, Deduct</i>	-43.86	
26 05 36 00-2322	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	107.73	16.45
			<i>For 60 Degree Bend, Deduct</i>	-29.24	
			<i>For 30 Degree Bend, Deduct</i>	-49.65	
26 05 36 00-2323			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324	EA		6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	30.05	5.26
26 05 36 00-2325	EA		9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	31.70	6.16
26 05 36 00-2326	EA		12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	35.47	7.32
26 05 36 00-2327	EA		18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	42.08	8.96
26 05 36 00-2328	EA		24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	47.56	11.60
26 05 36 00-2329	EA		30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	50.76	13.24
26 05 36 00-2330	EA		36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	61.01	15.79
26 05 36 00-2331			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2332	EA		6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	34.11	5.83
26 05 36 00-2333	EA		9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	37.94	6.83
26 05 36 00-2334	EA		12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	42.50	8.22
26 05 36 00-2335	EA		18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	51.18	9.86
26 05 36 00-2336	EA		24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	59.20	12.75
26 05 36 00-2337	EA		30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	74.14	15.21
26 05 36 00-2338	EA		36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	83.11	17.92
26 05 36 00-2339			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340	EA		6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	39.13	6.57
26 05 36 00-2341	EA		9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	47.39	7.57
26 05 36 00-2342	EA		12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	55.81	9.37
26 05 36 00-2343	EA		18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	66.21	10.44
26 05 36 00-2344	EA		24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	81.82	14.55
26 05 36 00-2345	EA		30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	101.32	17.19
26 05 36 00-2346	EA		36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	110.97	19.73
26 05 36 00-2347			12" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348	EA		6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	49.03	8.55
26 05 36 00-2349	EA		9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	53.35	9.86
26 05 36 00-2350	EA		12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	60.52	11.60
26 05 36 00-2351	EA		18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	70.82	13.16
26 05 36 00-2352	EA		24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	87.19	15.21
26 05 36 00-2353	EA		30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	109.19	21.87
26 05 36 00-2354	EA		36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	131.67	26.23
26 05 36 00-2355			24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356	EA		6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	71.38	8.96
26 05 36 00-2357	EA		9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	80.31	10.44
26 05 36 00-2358	EA		12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	91.08	12.34
26 05 36 00-2359	EA		18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	105.99	14.14
26 05 36 00-2360	EA		24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	158.66	16.45
26 05 36 00-2361	EA		30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	186.57	24.67
26 05 36 00-2362	EA		36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	212.27	30.34
26 05 36 00-2363			36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364	EA		6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	118.73	9.37
26 05 36 00-2365	EA		9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	123.52	10.93
26 05 36 00-2366	EA		12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	138.07	13.16
26 05 36 00-2367	EA		18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	156.69	15.21
26 05 36 00-2368	EA		24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	197.06	17.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	234.86	28.28
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	271.24	35.77
26 05 36 00-2371 12" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	72.50	11.60
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	76.99	12.34
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	84.93	13.16
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	101.30	15.21
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	124.36	21.87
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	147.90	26.23
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	167.43	28.20
26 05 36 00-2379 24" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	124.77	12.34
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	133.74	13.16
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	143.98	14.14
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	167.34	16.45
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	208.24	24.67
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	245.85	30.34
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	266.33	32.80
26 05 36 00-2387 36" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	189.08	13.16
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	198.24	14.14
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	213.12	15.21
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	236.13	17.92
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	302.12	28.20
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	352.91	35.93
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	385.94	39.47
26 05 36 00-2395 Reducers (26 05 36 00-2266)		
26 05 36 00-2396 EA 9"-6" Reducer, Aluminum Cable Tray Covers.....	36.87	6.16
26 05 36 00-2397 EA 12"-6" Reducer, Aluminum Cable Tray Covers.....	39.84	7.32
26 05 36 00-2398 EA 12"-9" Reducer, Aluminum Cable Tray Covers.....	39.84	7.32
26 05 36 00-2399 EA 18"-6" Reducer, Aluminum Cable Tray Covers.....	45.33	8.96
26 05 36 00-2400 EA 18"-12" Reducer, Aluminum Cable Tray Covers.....	45.33	8.96
26 05 36 00-2401 EA 24"-12" Reducer, Aluminum Cable Tray Covers.....	50.09	9.86
26 05 36 00-2402 EA 24"-18" Reducer, Aluminum Cable Tray Covers.....	54.40	9.86
26 05 36 00-2403 EA 30"-12" Reducer, Aluminum Cable Tray Covers.....	57.88	11.27
26 05 36 00-2404 EA 30"-18" Reducer, Aluminum Cable Tray Covers.....	59.49	11.27
26 05 36 00-2405 EA 30"-24" Reducer, Aluminum Cable Tray Covers.....	60.61	11.27
26 05 36 00-2406 EA 36"-12" Reducer, Aluminum Cable Tray Covers.....	63.93	12.34
26 05 36 00-2407 EA 36"-18" Reducer, Aluminum Cable Tray Covers.....	65.02	12.34
26 05 36 00-2408 EA 36"-24" Reducer, Aluminum Cable Tray Covers.....	65.56	12.34
26 05 36 00-2409 EA 36"-30" Reducer, Aluminum Cable Tray Covers.....	66.10	12.34
26 05 36 00-2410 Galvanized Steel Dividers (26 05 36 00-2121)		
26 05 36 00-2411 Straight Dividers (26 05 36 00-2410)		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight.....	6.59	1.97
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight.....	7.71	2.13
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight.....	9.45	2.47
26 05 36 00-2415 3" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	39.71	14.14
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	44.67	14.63
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	46.93	15.21
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	53.31	15.79
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	50.91	15.79
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	54.98	16.45
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	63.41	17.19
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	77.32	17.92
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	62.93	17.92
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	69.73	18.83
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	77.88	19.73
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	97.01	20.81
26 05 36 00-2428 4" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	44.97	14.63
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	49.33	15.21
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	53.31	15.79
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	60.38	16.45
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	60.38	16.45

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	70.01	17.19
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	76.72	17.92
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	93.72	18.83
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	67.01	17.19
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	73.72	17.92
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	86.52	18.83
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	107.88	19.73
26 05 36 00-2441 6" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	49.88	16.45
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	53.81	17.19
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	58.73	17.92
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	67.33	18.83
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	61.61	17.19
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	71.33	17.92
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	78.72	18.83
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	95.28	19.73
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	68.33	17.92
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	78.72	18.83
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	95.28	19.73
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	115.01	20.81
26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	42.99	11.93
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	47.76	13.16
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	57.33	14.63
26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)		
26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight	6.11	1.89
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	7.15	2.05
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	8.70	2.31
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	35.12	13.65
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	38.16	14.14
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	41.48	14.63
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	47.04	15.21
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	45.95	15.21
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	50.19	15.79
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	57.23	16.45
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	69.31	17.19
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	60.08	17.19
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	70.63	17.92
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	83.97	18.83
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	101.81	19.73
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	41.04	14.14
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	44.68	14.63
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	48.66	15.21
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	53.98	15.79
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	53.44	15.79
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	61.02	16.45
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	68.22	17.19
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	84.19	17.92
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	69.71	16.45
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	82.87	17.19
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	96.13	17.92
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	114.90	18.83
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	45.52	15.79
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	50.17	16.45
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	52.49	17.19
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	58.15	17.92
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	55.60	16.45
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	67.14	17.19
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	72.26	17.92
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	88.85	18.83
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	71.48	17.19
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	87.45	17.92
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	99.16	18.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	114.29	19.73
26 05 36 00-2502 Horizontal Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	38.58	11.27
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	42.27	12.34
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	51.45	13.65
26 05 36 00-2506 Wall Brackets <small>(26 05 36 00-0001)</small>		
26 05 36 00-2507 Wall Brackets <small>(26 05 36 00-2506)</small>		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket	45.45	16.45
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket	47.20	17.19
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket	51.10	17.92
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket	54.05	18.83
26 05 36 00-2512 EA 24" Wide Tray Wall Bracket	58.19	19.73
26 05 36 00-2513 EA 30" Wide Tray Wall Bracket	67.14	20.81
26 05 36 00-2514 EA 36" Wide Tray Wall Bracket	78.30	22.20
26 05 36 00-2515 Fiberglass Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray <small>(26 05 36 00-2515)</small>		
<small>Note: Excludes hangers and support system.</small>		
26 05 36 00-2517 Straight Tray Sections <small>(26 05 36 00-2516)</small>		
26 05 36 00-2518 LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	7.32	2.22
<i>For 9" Rung Spacing, Add</i>		
0.14		
<i>For 6" Rung Spacing, Add</i>		
0.60		
<i>For 4" Rung Spacing, Add</i>		
1.11		
<i>For 18" Rung Spacing, Deduct</i>		
-0.10		
<i>For Solid Bottom, Add</i>		
1.70		
<i>For Vented Trough Bottom, Add</i>		
2.02		
26 05 36 00-2519 LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	8.27	2.72
<i>For 9" Rung Spacing, Add</i>		
0.15		
<i>For 6" Rung Spacing, Add</i>		
0.62		
<i>For 4" Rung Spacing, Add</i>		
1.14		
<i>For 18" Rung Spacing, Deduct</i>		
-0.10		
<i>For Solid Bottom, Add</i>		
1.86		
<i>For Vented Trough Bottom, Add</i>		
2.18		
26 05 36 00-2520 LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	9.21	3.29
<i>For 9" Rung Spacing, Add</i>		
0.15		
<i>For 6" Rung Spacing, Add</i>		
0.64		
<i>For 4" Rung Spacing, Add</i>		
1.18		
<i>For 18" Rung Spacing, Deduct</i>		
-0.11		
<i>For Solid Bottom, Add</i>		
2.02		
<i>For Vented Trough Bottom, Add</i>		
2.33		
26 05 36 00-2521 LF 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	11.17	4.36
<i>For 9" Rung Spacing, Add</i>		
0.16		
<i>For 6" Rung Spacing, Add</i>		
0.69		
<i>For 4" Rung Spacing, Add</i>		
1.27		
<i>For 18" Rung Spacing, Deduct</i>		
-0.12		
<i>For Solid Bottom, Add</i>		
2.37		
<i>For Vented Trough Bottom, Add</i>		
2.66		
26 05 36 00-2522 LF 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.13	5.51
<i>For 9" Rung Spacing, Add</i>		
0.17		
<i>For 6" Rung Spacing, Add</i>		
0.74		
<i>For 4" Rung Spacing, Add</i>		
1.35		
<i>For 18" Rung Spacing, Deduct</i>		
-0.12		
<i>For Solid Bottom, Add</i>		
2.71		
<i>For Vented Trough Bottom, Add</i>		
2.99		
26 05 36 00-2523 LF 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.36	6.00
<i>For 9" Rung Spacing, Add</i>		
0.19		
<i>For 6" Rung Spacing, Add</i>		
0.80		
<i>For 4" Rung Spacing, Add</i>		
1.46		
<i>For 18" Rung Spacing, Deduct</i>		
-0.13		
<i>For Solid Bottom, Add</i>		
2.95		
<i>For Vented Trough Bottom, Add</i>		
3.26		
26 05 36 00-2524 LF 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.62	6.57
<i>For 9" Rung Spacing, Add</i>		
0.20		
<i>For 6" Rung Spacing, Add</i>		
0.86		
<i>For 4" Rung Spacing, Add</i>		
1.58		
<i>For 18" Rung Spacing, Deduct</i>		
-0.14		
<i>For Solid Bottom, Add</i>		
3.21		
<i>For Vented Trough Bottom, Add</i>		
3.54		
26 05 36 00-2525 90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2526	EA		6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	40.97	16.45
			For 9" Rung Spacing, Add	0.57	
			For 6" Rung Spacing, Add	2.45	
			For 4" Rung Spacing, Add	4.48	
			For 18" Rung Spacing, Deduct	-0.41	
			For Solid Bottom, Add	8.59	
			For Vented Trough Bottom, Add	9.60	
			For 60 Degree Bend, Deduct	-7.85	
			For 45 Degree Bend, Deduct	-10.87	
			For 30 Degree Bend, Deduct	-13.90	
26 05 36 00-2527	EA		9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	46.00	19.16
			For 9" Rung Spacing, Add	0.60	
			For 6" Rung Spacing, Add	2.58	
			For 4" Rung Spacing, Add	4.74	
			For 18" Rung Spacing, Deduct	-0.43	
			For Solid Bottom, Add	9.48	
			For Vented Trough Bottom, Add	10.49	
			For 60 Degree Bend, Deduct	-8.56	
			For 45 Degree Bend, Deduct	-11.90	
			For 30 Degree Bend, Deduct	-15.23	
26 05 36 00-2528	EA		12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	54.34	24.09
			For 9" Rung Spacing, Add	0.64	
			For 6" Rung Spacing, Add	2.72	
			For 4" Rung Spacing, Add	4.99	
			For 18" Rung Spacing, Deduct	-0.45	
			For Solid Bottom, Add	10.88	
			For Vented Trough Bottom, Add	11.79	
			For 60 Degree Bend, Deduct	-9.61	
			For 45 Degree Bend, Deduct	-13.42	
			For 30 Degree Bend, Deduct	-17.22	
26 05 36 00-2529	EA		18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	64.44	29.11
			For 9" Rung Spacing, Add	0.73	
			For 6" Rung Spacing, Add	3.13	
			For 4" Rung Spacing, Add	5.74	
			For 18" Rung Spacing, Deduct	-0.52	
			For Solid Bottom, Add	12.80	
			For Vented Trough Bottom, Add	13.79	
			For 60 Degree Bend, Deduct	-11.24	
			For 45 Degree Bend, Deduct	-15.72	
			For 30 Degree Bend, Deduct	-20.19	
26 05 36 00-2530	EA		24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	73.09	33.47
			For 9" Rung Spacing, Add	0.80	
			For 6" Rung Spacing, Add	3.44	
			For 4" Rung Spacing, Add	6.31	
			For 18" Rung Spacing, Deduct	-0.57	
			For Solid Bottom, Add	14.40	
			For Vented Trough Bottom, Add	15.44	
			For 60 Degree Bend, Deduct	-12.59	
			For 45 Degree Bend, Deduct	-17.62	
			For 30 Degree Bend, Deduct	-22.65	
26 05 36 00-2531	EA		30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	79.81	35.69
			For 9" Rung Spacing, Add	0.92	
			For 6" Rung Spacing, Add	3.95	
			For 4" Rung Spacing, Add	7.25	
			For 18" Rung Spacing, Deduct	-0.66	
			For Solid Bottom, Add	15.93	
			For Vented Trough Bottom, Add	17.23	
			For 60 Degree Bend, Deduct	-14.04	
			For 45 Degree Bend, Deduct	-19.62	
			For 30 Degree Bend, Deduct	-25.19	
26 05 36 00-2532	EA		36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	87.84	38.40
			For 9" Rung Spacing, Add	1.06	
			For 6" Rung Spacing, Add	4.54	
			For 4" Rung Spacing, Add	8.33	
			For 18" Rung Spacing, Deduct	-0.76	
			For Solid Bottom, Add	17.72	
			For Vented Trough Bottom, Add	19.31	
			For 60 Degree Bend, Deduct	-15.75	
			For 45 Degree Bend, Deduct	-21.96	
			For 30 Degree Bend, Deduct	-28.17	
26 05 36 00-2533			Inside Or Outside Vertical Risers <small>(26 05 36 00-2516)</small>		
26 05 36 00-2534	EA		6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	57.99	16.45
			For 9" Rung Spacing, Add	1.17	
			For 6" Rung Spacing, Add	5.00	
			For 4" Rung Spacing, Add	9.16	
			For 18" Rung Spacing, Deduct	-0.83	
			For Solid Bottom, Add	13.70	
			For Vented Trough Bottom, Add	16.41	
			For 60 Degree Bend, Deduct	-13.46	
			For 45 Degree Bend, Deduct	-18.36	
			For 30 Degree Bend, Deduct	-23.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass	62.56	19.16
<i>For 9" Rung Spacing, Add</i>	1.18	
<i>For 6" Rung Spacing, Add</i>	5.07	
<i>For 4" Rung Spacing, Add</i>	9.29	
<i>For 18" Rung Spacing, Deduct</i>	-0.84	
<i>For Solid Bottom, Add</i>	14.45	
<i>For Vented Trough Bottom, Add</i>	17.11	
<i>For 60 Degree Bend, Deduct</i>	-14.03	
<i>For 45 Degree Bend, Deduct</i>	-19.18	
<i>For 30 Degree Bend, Deduct</i>	-24.34	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	70.43	24.09
<i>For 9" Rung Spacing, Add</i>	1.20	
<i>For 6" Rung Spacing, Add</i>	5.14	
<i>For 4" Rung Spacing, Add</i>	9.42	
<i>For 18" Rung Spacing, Deduct</i>	-0.86	
<i>For Solid Bottom, Add</i>	15.70	
<i>For Vented Trough Bottom, Add</i>	18.22	
<i>For 60 Degree Bend, Deduct</i>	-14.92	
<i>For 45 Degree Bend, Deduct</i>	-20.50	
<i>For 30 Degree Bend, Deduct</i>	-26.07	
26 05 36 00-2537 EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	78.87	29.11
<i>For 9" Rung Spacing, Add</i>	1.24	
<i>For 6" Rung Spacing, Add</i>	5.29	
<i>For 4" Rung Spacing, Add</i>	9.70	
<i>For 18" Rung Spacing, Deduct</i>	-0.88	
<i>For Solid Bottom, Add</i>	17.12	
<i>For Vented Trough Bottom, Add</i>	19.56	
<i>For 60 Degree Bend, Deduct</i>	-16.00	
<i>For 45 Degree Bend, Deduct</i>	-22.06	
<i>For 30 Degree Bend, Deduct</i>	-28.13	
26 05 36 00-2538 EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	86.37	33.47
<i>For 9" Rung Spacing, Add</i>	1.27	
<i>For 6" Rung Spacing, Add</i>	5.43	
<i>For 4" Rung Spacing, Add</i>	9.96	
<i>For 18" Rung Spacing, Deduct</i>	-0.91	
<i>For Solid Bottom, Add</i>	18.39	
<i>For Vented Trough Bottom, Add</i>	20.76	
<i>For 60 Degree Bend, Deduct</i>	-16.97	
<i>For 45 Degree Bend, Deduct</i>	-23.46	
<i>For 30 Degree Bend, Deduct</i>	-29.95	
26 05 36 00-2539 EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	90.61	35.69
<i>For 9" Rung Spacing, Add</i>	1.30	
<i>For 6" Rung Spacing, Add</i>	5.57	
<i>For 4" Rung Spacing, Add</i>	10.22	
<i>For 18" Rung Spacing, Deduct</i>	-0.93	
<i>For Solid Bottom, Add</i>	19.17	
<i>For Vented Trough Bottom, Add</i>	21.55	
<i>For 60 Degree Bend, Deduct</i>	-17.61	
<i>For 45 Degree Bend, Deduct</i>	-24.37	
<i>For 30 Degree Bend, Deduct</i>	-31.13	
26 05 36 00-2540 EA 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	98.61	38.40
<i>For 9" Rung Spacing, Add</i>	1.44	
<i>For 6" Rung Spacing, Add</i>	6.16	
<i>For 4" Rung Spacing, Add</i>	11.29	
<i>For 18" Rung Spacing, Deduct</i>	-1.03	
<i>For Solid Bottom, Add</i>	20.95	
<i>For Vented Trough Bottom, Add</i>	23.62	
<i>For 60 Degree Bend, Deduct</i>	-19.30	
<i>For 45 Degree Bend, Deduct</i>	-26.70	
<i>For 30 Degree Bend, Deduct</i>	-34.09	
26 05 36 00-2541 Horizontal Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2542 EA 6" Horizontal Tee, Fiberglass Cable Tray	90.42	41.11
<i>For 9" Rung Spacing, Add</i>	1.01	
<i>For 6" Rung Spacing, Add</i>	4.31	
<i>For 4" Rung Spacing, Add</i>	7.91	
<i>For 18" Rung Spacing, Deduct</i>	-0.72	
<i>For Solid Bottom, Add</i>	17.88	
<i>For Vented Trough Bottom, Add</i>	19.21	
26 05 36 00-2543 EA 9" Horizontal Tee, Fiberglass Cable Tray	102.25	48.27
<i>For 9" Rung Spacing, Add</i>	1.05	
<i>For 6" Rung Spacing, Add</i>	4.48	
<i>For 4" Rung Spacing, Add</i>	8.22	
<i>For 18" Rung Spacing, Deduct</i>	-0.75	
<i>For Solid Bottom, Add</i>	19.82	
<i>For Vented Trough Bottom, Add</i>	21.00	
26 05 36 00-2544 EA 12" Horizontal Tee, Fiberglass Cable Tray	117.36	57.56
<i>For 9" Rung Spacing, Add</i>	1.09	
<i>For 6" Rung Spacing, Add</i>	4.65	
<i>For 4" Rung Spacing, Add</i>	8.53	
<i>For 18" Rung Spacing, Deduct</i>	-0.78	
<i>For Solid Bottom, Add</i>	22.26	
<i>For Vented Trough Bottom, Add</i>	23.20	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2545 EA 18" Horizontal Tee, Fiberglass Cable Tray	131.17	64.72
For 9" Rung Spacing, Add	1.20	
For 6" Rung Spacing, Add	5.12	
For 4" Rung Spacing, Add	9.39	
For 18" Rung Spacing, Deduct	-0.85	
For Solid Bottom, Add	24.80	
For Vented Trough Bottom, Add	25.79	
26 05 36 00-2546 EA 24" Horizontal Tee, Fiberglass Cable Tray	137.78	67.42
For 9" Rung Spacing, Add	1.28	
For 6" Rung Spacing, Add	5.50	
For 4" Rung Spacing, Add	10.08	
For 18" Rung Spacing, Deduct	-0.92	
For Solid Bottom, Add	26.16	
For Vented Trough Bottom, Add	27.30	
26 05 36 00-2547 EA 30" Horizontal Tee, Fiberglass Cable Tray	147.37	71.29
For 9" Rung Spacing, Add	1.42	
For 6" Rung Spacing, Add	6.07	
For 4" Rung Spacing, Add	11.13	
For 18" Rung Spacing, Deduct	-1.01	
For Solid Bottom, Add	28.18	
For Vented Trough Bottom, Add	29.55	
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray	159.84	76.79
For 9" Rung Spacing, Add	1.57	
For 6" Rung Spacing, Add	6.71	
For 4" Rung Spacing, Add	12.30	
For 18" Rung Spacing, Deduct	-1.12	
For Solid Bottom, Add	30.68	
For Vented Trough Bottom, Add	32.28	
26 05 36 00-2549 Horizontal Crosses <small>(26 05 36 00-2516)</small>		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	143.74	71.29
For 9" Rung Spacing, Add	1.29	
For 6" Rung Spacing, Add	5.53	
For 4" Rung Spacing, Add	10.13	
For 18" Rung Spacing, Deduct	-0.92	
For Solid Bottom, Add	27.09	
For Vented Trough Bottom, Add	28.10	
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	153.05	76.79
For 9" Rung Spacing, Add	1.33	
For 6" Rung Spacing, Add	5.69	
For 4" Rung Spacing, Add	10.43	
For 18" Rung Spacing, Deduct	-0.95	
For Solid Bottom, Add	28.65	
For Vented Trough Bottom, Add	29.56	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	162.37	82.31
For 9" Rung Spacing, Add	1.37	
For 6" Rung Spacing, Add	5.85	
For 4" Rung Spacing, Add	10.73	
For 18" Rung Spacing, Deduct	-0.98	
For Solid Bottom, Add	30.21	
For Vented Trough Bottom, Add	31.03	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	173.70	87.74
For 9" Rung Spacing, Add	1.47	
For 6" Rung Spacing, Add	6.32	
For 4" Rung Spacing, Add	11.59	
For 18" Rung Spacing, Deduct	-1.05	
For Solid Bottom, Add	32.38	
For Vented Trough Bottom, Add	33.30	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	184.32	93.24
For 9" Rung Spacing, Add	1.56	
For 6" Rung Spacing, Add	6.68	
For 4" Rung Spacing, Add	12.25	
For 18" Rung Spacing, Deduct	-1.11	
For Solid Bottom, Add	34.33	
For Vented Trough Bottom, Add	35.29	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	196.47	98.75
For 9" Rung Spacing, Add	1.70	
For 6" Rung Spacing, Add	7.27	
For 4" Rung Spacing, Add	13.33	
For 18" Rung Spacing, Deduct	-1.21	
For Solid Bottom, Add	36.74	
For Vented Trough Bottom, Add	37.89	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	212.25	105.82
For 9" Rung Spacing, Add	1.87	
For 6" Rung Spacing, Add	8.03	
For 4" Rung Spacing, Add	14.73	
For 18" Rung Spacing, Deduct	-1.34	
For Solid Bottom, Add	39.87	
For Vented Trough Bottom, Add	41.26	
26 05 36 00-2557 Horizontal Wyes <small>(26 05 36 00-2516)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	87.52	41.11
For 9" Rung Spacing, Add	0.90	
For 6" Rung Spacing, Add	3.88	
For 4" Rung Spacing, Add	7.11	
For 18" Rung Spacing, Deduct	-0.65	
For Solid Bottom, Add	17.01	
For Vented Trough Bottom, Add	18.05	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	92.68	43.91
For 9" Rung Spacing, Add	0.94	
For 6" Rung Spacing, Add	4.03	
For 4" Rung Spacing, Add	7.39	
For 18" Rung Spacing, Deduct	-0.67	
For Solid Bottom, Add	17.94	
For Vented Trough Bottom, Add	18.98	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	114.25	57.56
For 9" Rung Spacing, Add	0.98	
For 6" Rung Spacing, Add	4.19	
For 4" Rung Spacing, Add	7.68	
For 18" Rung Spacing, Deduct	-0.70	
For Solid Bottom, Add	21.33	
For Vented Trough Bottom, Add	21.96	
26 05 36 00-2561 EA 18" Horizontal Wye, Fiberglass Cable Tray	127.75	64.72
For 9" Rung Spacing, Add	1.08	
For 6" Rung Spacing, Add	4.61	
For 4" Rung Spacing, Add	8.45	
For 18" Rung Spacing, Deduct	-0.77	
For Solid Bottom, Add	23.77	
For Vented Trough Bottom, Add	24.42	
26 05 36 00-2562 EA 24" Horizontal Wye, Fiberglass Cable Tray	134.04	67.42
For 9" Rung Spacing, Add	1.15	
For 6" Rung Spacing, Add	4.94	
For 4" Rung Spacing, Add	9.05	
For 18" Rung Spacing, Deduct	-0.82	
For Solid Bottom, Add	25.04	
For Vented Trough Bottom, Add	25.80	
26 05 36 00-2563 EA 30" Horizontal Wye, Fiberglass Cable Tray	143.32	71.29
For 9" Rung Spacing, Add	1.28	
For 6" Rung Spacing, Add	5.46	
For 4" Rung Spacing, Add	10.02	
For 18" Rung Spacing, Deduct	-0.91	
For Solid Bottom, Add	26.96	
For Vented Trough Bottom, Add	27.93	
26 05 36 00-2564 EA 36" Horizontal Wye, Fiberglass Cable Tray	155.37	76.79
For 9" Rung Spacing, Add	1.41	
For 6" Rung Spacing, Add	6.04	
For 4" Rung Spacing, Add	11.07	
For 18" Rung Spacing, Deduct	-1.01	
For Solid Bottom, Add	29.34	
For Vented Trough Bottom, Add	30.49	
26 05 36 00-2565 Straight Reducers (26 05 36 00-2516)		
26 05 36 00-2566 EA 9"-6" Reducer, Fiberglass Cable Tray	39.31	16.45
For 9" Rung Spacing, Add	0.51	
For 6" Rung Spacing, Add	2.20	
For 4" Rung Spacing, Add	4.03	
For 18" Rung Spacing, Deduct	-0.37	
For Solid Bottom, Add	8.09	
For Vented Trough Bottom, Add	8.94	
26 05 36 00-2567 EA 12"-9" Reducer, Fiberglass Cable Tray.....	43.62	19.16
For 9" Rung Spacing, Add	0.52	
For 6" Rung Spacing, Add	2.23	
For 4" Rung Spacing, Add	4.08	
For 18" Rung Spacing, Deduct	-0.37	
For Solid Bottom, Add	8.77	
For Vented Trough Bottom, Add	9.54	
26 05 36 00-2568 EA 18"-12" Reducer, Fiberglass Cable Tray.....	47.93	21.95
For 9" Rung Spacing, Add	0.53	
For 6" Rung Spacing, Add	2.26	
For 4" Rung Spacing, Add	4.14	
For 18" Rung Spacing, Deduct	-0.38	
For Solid Bottom, Add	9.45	
For Vented Trough Bottom, Add	10.13	
26 05 36 00-2569 EA 24"-18" Reducer, Fiberglass Cable Tray.....	51.75	24.09
For 9" Rung Spacing, Add	0.54	
For 6" Rung Spacing, Add	2.34	
For 4" Rung Spacing, Add	4.28	
For 18" Rung Spacing, Deduct	-0.39	
For Solid Bottom, Add	10.10	
For Vented Trough Bottom, Add	10.75	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2570	EA		30"-24" Reducer, Fiberglass Cable Tray.....	57.63	26.31
			For 9" Rung Spacing, Add	0.64	
			For 6" Rung Spacing, Add	2.72	
			For 4" Rung Spacing, Add	4.99	
			For 18" Rung Spacing, Deduct	-0.45	
			For Solid Bottom, Add	11.37	
			For Vented Trough Bottom, Add	12.20	
26 05 36 00-2571	EA		36"-30" Reducer, Fiberglass Cable Tray.....	64.68	29.11
			For 9" Rung Spacing, Add	0.74	
			For 6" Rung Spacing, Add	3.17	
			For 4" Rung Spacing, Add	5.80	
			For 18" Rung Spacing, Deduct	-0.53	
			For Solid Bottom, Add	12.87	
			For Vented Trough Bottom, Add	13.89	
26 05 36 00-2572			Vertical Tees (26 05 36 00-2516)		
26 05 36 00-2573	EA		6" Vertical Tee, Fiberglass Cable Tray.....	116.58	41.11
			For 9" Rung Spacing, Add	1.92	
			For 6" Rung Spacing, Add	8.24	
			For 4" Rung Spacing, Add	15.10	
			For 18" Rung Spacing, Deduct	-1.37	
			For Solid Bottom, Add	25.72	
			For Vented Trough Bottom, Add	29.67	
26 05 36 00-2574	EA		9" Vertical Tee, Fiberglass Cable Tray.....	121.37	43.91
			For 9" Rung Spacing, Add	1.95	
			For 6" Rung Spacing, Add	8.34	
			For 4" Rung Spacing, Add	15.29	
			For 18" Rung Spacing, Deduct	-1.39	
			For Solid Bottom, Add	26.54	
			For Vented Trough Bottom, Add	30.46	
26 05 36 00-2575	EA		12" Vertical Tee, Fiberglass Cable Tray.....	142.59	57.56
			For 9" Rung Spacing, Add	1.97	
			For 6" Rung Spacing, Add	8.44	
			For 4" Rung Spacing, Add	15.47	
			For 18" Rung Spacing, Deduct	-1.41	
			For Solid Bottom, Add	29.83	
			For Vented Trough Bottom, Add	33.30	
26 05 36 00-2576	EA		18" Vertical Tee, Fiberglass Cable Tray.....	154.84	64.72
			For 9" Rung Spacing, Add	2.02	
			For 6" Rung Spacing, Add	8.67	
			For 4" Rung Spacing, Add	15.90	
			For 18" Rung Spacing, Deduct	-1.45	
			For Solid Bottom, Add	31.90	
			For Vented Trough Bottom, Add	35.25	
26 05 36 00-2577	EA		24" Vertical Tee, Fiberglass Cable Tray.....	160.41	67.42
			For 9" Rung Spacing, Add	2.07	
			For 6" Rung Spacing, Add	8.89	
			For 4" Rung Spacing, Add	16.30	
			For 18" Rung Spacing, Deduct	-1.48	
			For Solid Bottom, Add	32.95	
			For Vented Trough Bottom, Add	36.35	
26 05 36 00-2578	EA		30" Vertical Tee, Fiberglass Cable Tray.....	167.51	71.29
			For 9" Rung Spacing, Add	2.12	
			For 6" Rung Spacing, Add	9.09	
			For 4" Rung Spacing, Add	16.67	
			For 18" Rung Spacing, Deduct	-1.52	
			For Solid Bottom, Add	34.22	
			For Vented Trough Bottom, Add	37.61	
26 05 36 00-2579	EA		36" Vertical Tee, Fiberglass Cable Tray.....	182.09	76.79
			For 9" Rung Spacing, Add	2.34	
			For 6" Rung Spacing, Add	10.05	
			For 4" Rung Spacing, Add	18.42	
			For 18" Rung Spacing, Deduct	-1.67	
			For Solid Bottom, Add	37.36	
			For Vented Trough Bottom, Add	41.18	
26 05 39 Underfloor Raceways for Electrical Systems (26 05)					
26 05 39 00-0001 Underfloor Ducts (26 05 39)					
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)					
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)					
26 05 39 00-0004	EA		Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	70.76	14.47
26 05 39 00-0005	EA		Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	89.09	16.94
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)					
26 05 39 00-0007	EA		Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	117.95	18.33
26 05 39 00-0008	EA		Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	135.12	20.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0009 Junction Boxes <small>(26 05 39 00-0001)</small>		
26 05 39 00-0010 One Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	179.79	28.77
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	203.57	30.83
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	327.71	28.77
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	222.87	30.83
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	353.84	40.54
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	496.62	44.07
26 05 39 00-0017 Two Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	757.09	29.11
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	871.13	30.83
26 05 39 00-0020 Elbow Fittings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0021 90 Degree Horizontal Elbow <small>(26 05 39 00-0020)</small>		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	87.85	10.60
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	90.50	10.60
26 05 39 00-0024 90 Degree Vertical Elbow <small>(26 05 39 00-0020)</small>		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree.....	49.26	10.60
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	50.32	10.60
26 05 39 00-0027 Offset Elbow <small>(26 05 39 00-0020)</small>		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	49.26	12.34
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	50.32	12.34
26 05 39 00-0030 Couplings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0031 Sleeve Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling.....	31.81	16.45
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling.....	49.53	16.45
26 05 39 00-0034 Expansion Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling.....	70.66	16.45
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling.....	71.98	17.35
26 05 39 00-0037 Reducing Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling.....	68.16	2.47
26 05 39 00-0039 Duct Supports <small>(26 05 39 00-0001)</small>		
26 05 39 00-0040 Combination Support And Coupling <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	72.97	34.54
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	81.38	34.54
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	89.85	34.54
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	81.38	38.65
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	98.51	38.65
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	89.85	41.11
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	89.85	41.11
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	98.51	41.11
26 05 39 00-0049 Duct Support Only <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	65.73	30.42
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	77.32	30.42
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	89.78	30.42
26 05 39 00-0053 Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		
26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	6.42	2.47
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	6.85	2.47

26 Electrical**26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 39 00-0057	Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058	EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	26.15	4.11
26 05 39 00-0059	EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	27.79	4.11
26 05 39 00-0060	EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	26.99	4.11
26 05 39 00-0061	EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	27.86	4.11
26 05 39 00-0062	Holdings And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063	EA Tile Holder, Underfloor Duct Accessories	169.47	34.54
26 05 39 00-0064	EA Terrazzo Holder, Underfloor Duct Accessories.....	322.33	34.54
26 05 39 00-0065	EA Closing Caps For Inserts, Underfloor Duct Accessories	2.21	0.82
26 05 39 00-0066	Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067	EA Underfloor Dust Carpet Pan.....	73.23	4.51

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001	Duct Bank <small>(26 05 43)</small>		
Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.			
26 05 43 00-0002	Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank <small>(26 05 43 00-0001)</small>		
Note: Includes appropriate spacers and fittings.			
26 05 43 00-0003	LF 2 At 2", Rigid Galvanized Conduit Duct Bank	21.21	
26 05 43 00-0004	LF 4 At 2", Rigid Galvanized Conduit Duct Bank	42.44	
26 05 43 00-0005	LF 2 At 3", Rigid Galvanized Conduit Duct Bank	43.47	
26 05 43 00-0006	LF 4 At 3", Rigid Galvanized Conduit Duct Bank	87.17	
26 05 43 00-0007	LF 2 At 4", Rigid Galvanized Conduit Duct Bank	63.93	
26 05 43 00-0008	LF 4 At 4", Rigid Galvanized Conduit Duct Bank	128.61	
26 05 43 00-0009	LF 6 At 4", Rigid Galvanized Conduit Duct Bank	193.51	
26 05 43 00-0010	LF 2 At 5", Rigid Galvanized Conduit Duct Bank	118.41	
26 05 43 00-0011	LF 4 At 5", Rigid Galvanized Conduit Duct Bank	236.07	
26 05 43 00-0012	LF 6 At 5", Rigid Galvanized Conduit Duct Bank	364.02	
26 05 43 00-0013	LF 2 At 6", Rigid Galvanized Conduit Duct Bank	168.45	
26 05 43 00-0014	LF 4 At 6", Rigid Galvanized Conduit Duct Bank	338.09	
26 05 43 00-0015	LF 6 At 6", Rigid Galvanized Conduit Duct Bank	502.58	
26 05 43 00-0016	Polyvinyl Chloride (PVC), Type EB Duct Bank System <small>(26 05 43 00-0001)</small>		
Note: Includes appropriate spacers and fittings.			
26 05 43 00-0017	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	5.04	
26 05 43 00-0018	LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.13	
26 05 43 00-0019	LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.30	
26 05 43 00-0020	LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.66	
26 05 43 00-0021	LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.28	
26 05 43 00-0022	LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	27.00	
26 05 43 00-0023	LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.79	
26 05 43 00-0024	LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	17.58	
26 05 43 00-0025	LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	35.20	
26 05 43 00-0026	LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	52.79	
26 05 43 00-0027	LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	10.95	
26 05 43 00-0028	LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.88	
26 05 43 00-0029	LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	42.24	
26 05 43 00-0030	LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	59.60	
26 05 43 00-0031	LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	19.81	
26 05 43 00-0032	LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	29.48	
26 05 43 00-0033	LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	59.13	
26 05 43 00-0034	LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	96.22	
26 05 43 00-0035	Polyvinyl Chloride (PVC), Type DB Duct Bank System <small>(26 05 43 00-0001)</small>		
Note: Includes appropriate spacers and fittings.			
26 05 43 00-0036	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	5.58	
26 05 43 00-0037	LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	12.28	
26 05 43 00-0038	LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	23.45	
26 05 43 00-0039	LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	6.87	
26 05 43 00-0040	LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	13.72	
26 05 43 00-0041	LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	27.37	
26 05 43 00-0042	LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	8.94	
26 05 43 00-0043	LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	17.88	
26 05 43 00-0044	LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	35.81	
26 05 43 00-0045	LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	53.69	
26 05 43 00-0046	LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	11.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.33	
26 05 43 00-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	43.15	
26 05 43 00-0049 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.96	
26 05 43 00-0050 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.12	
26 05 43 00-0051 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.13	
26 05 43 00-0052 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.43	
26 05 43 00-0053 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	98.18	
 26 05 43 00-0054 Male Or Female Adapters <small>(26 05 43 00-0001)</small>		
26 05 43 00-0055 EA 2" Adapter	28.32	
26 05 43 00-0056 EA 3" Adapter	40.79	
26 05 43 00-0057 EA 4" Adapter	52.70	
26 05 43 00-0058 EA 5" Adapter	80.59	
26 05 43 00-0059 EA 6" Adapter	99.68	
 26 05 46 Utility Poles for Electrical Systems <small>(26 05)</small>		
26 05 46 00-0001 Wood Poles <small>(26 05 46)</small>		
26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention <small>(26 05 46 00-0001)</small>		
<i>Note: Machine dig and set.</i>		
26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	694.23	220.18
<i>For Class 1 Pole, Add</i>	88.83	
<i>For Class 2 Pole, Add</i>	50.76	
<i>For Class 4 Pole, Deduct</i>	-25.38	
<i>For Class 5 Pole, Deduct</i>	-76.14	
<i>For Class 6 Pole, Deduct</i>	-101.52	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	833.19	244.29
<i>For Class 1 Pole, Add</i>	120.60	
<i>For Class 2 Pole, Add</i>	68.91	
<i>For Class 4 Pole, Deduct</i>	-34.46	
<i>For Class 5 Pole, Deduct</i>	-103.37	
<i>For Class 6 Pole, Deduct</i>	-137.83	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,079.40	323.10
<i>For Class 1 Pole, Add</i>	151.65	
<i>For Class 2 Pole, Add</i>	86.66	
<i>For Class 4 Pole, Deduct</i>	-43.33	
<i>For Class 5 Pole, Deduct</i>	-129.99	
<i>For Class 6 Pole, Deduct</i>	-173.32	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,236.85	355.37
<i>For Class 1 Pole, Add</i>	184.15	
<i>For Class 2 Pole, Add</i>	105.23	
<i>For Class 4 Pole, Deduct</i>	-52.61	
<i>For Class 5 Pole, Deduct</i>	-157.84	
<i>For Class 6 Pole, Deduct</i>	-210.46	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,414.80	395.80
<i>For Class 1 Pole, Add</i>	218.09	
<i>For Class 2 Pole, Add</i>	124.62	
<i>For Class 4 Pole, Deduct</i>	-62.31	
<i>For Class 5 Pole, Deduct</i>	-186.94	
<i>For Class 6 Pole, Deduct</i>	-249.25	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,610.55	444.21
<i>For Class 1 Pole, Add</i>	252.76	
<i>For Class 2 Pole, Add</i>	144.43	
<i>For Class 4 Pole, Deduct</i>	-72.22	
<i>For Class 5 Pole, Deduct</i>	-216.65	
<i>For Class 6 Pole, Deduct</i>	-288.86	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,802.55	488.58
<i>For Class 1 Pole, Add</i>	288.86	
<i>For Class 2 Pole, Add</i>	165.06	
<i>For Class 4 Pole, Deduct</i>	-82.53	
<i>For Class 5 Pole, Deduct</i>	-247.60	
<i>For Class 6 Pole, Deduct</i>	-330.13	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,015.49	537.27
<i>For Class 1 Pole, Add</i>	329.30	
<i>For Class 2 Pole, Add</i>	188.17	
<i>For Class 4 Pole, Deduct</i>	-94.09	
<i>For Class 5 Pole, Deduct</i>	-282.26	
<i>For Class 6 Pole, Deduct</i>	-376.35	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,339.13	585.58
<i>For Class 1 Pole, Add</i>	758.77	
<i>For Class 2 Pole, Add</i>	433.58	
<i>For Class 4 Pole, Deduct</i>	-216.79	
<i>For Class 5 Pole, Deduct</i>	-650.38	
<i>For Class 6 Pole, Deduct</i>	-867.17	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,669.53	622.93
<i>For Class 1 Pole, Add</i>	848.28	
<i>For Class 2 Pole, Add</i>	484.73	
<i>For Class 4 Pole, Deduct</i>	-242.37	
<i>For Class 5 Pole, Deduct</i>	-727.10	
<i>For Class 6 Pole, Deduct</i>	-969.46	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,036.23	665.33
For Class 1 Pole, Add	946.94	
For Class 2 Pole, Add	541.11	
For Class 4 Pole, Deduct	-270.55	
For Class 5 Pole, Deduct	-811.66	
For Class 6 Pole, Deduct	-1,082.22	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015 LF Remove And Relocate Wood Pole With Cross Arms, Up To 75'	18.77	
26 05 46 00-0016 Crossarms (26 05 46)		
Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	152.46	65.67
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	185.14	65.67
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	194.83	84.44
26 05 46 00-0021 Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	395.57	182.93
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	420.38	182.93
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	438.46	182.93
26 05 46 00-0025 Fiberglass Crossarms (26 05 46 00-0016)		
Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	156.09	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	200.89	39.40
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	210.27	42.22
26 05 46 00-0030 Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	251.90	50.66
26 05 46 00-0032 Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	389.06	64.73
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	463.08	78.81
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	67.65	11.26
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket	338.30	56.29
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm	278.03	93.81
26 05 46 00-0038 Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039 Epoxy Construction Units, In Place Mounting (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	83.65	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	65.91	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting	170.33	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	129.38	
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	56.50	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	47.81	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting.....	152.23	
26 05 46 00-0048 Guying (26 05 46)		
Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy (26 05 46 00-0048)		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole	623.01	262.68
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole	632.42	262.68
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole	651.78	262.68
26 05 46 00-0053 EA Guy Guard, Plastic.....	21.97	
26 05 46 00-0054 Head Guy, 50' Spans (26 05 46 00-0048)		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole	910.74	403.40
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole	910.74	403.40
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole	910.74	403.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0058 Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small> Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	396.82	197.01
26 05 46 00-0060 Pole Anchor <small>(26 05 46 00-0048)</small> Note: Joslyn.		
26 05 46 00-0061 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft	56.87	
26 05 46 00-0062 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft	61.40	
26 05 46 00-0063 EA Pole Anchor, 8" Helix, 1" x 66" Shaft	72.06	
26 05 46 00-0064 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	90.74	
26 05 46 00-0065 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	119.33	
26 05 46 00-0066 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	160.34	
26 05 46 00-0067 Insulators <small>(26 05 46)</small>		
26 05 46 00-0068 Pin Insulator With Pin <small>(26 05 46 00-0067)</small>		
26 05 46 00-0069 EA 5 KV Class 55-3, Pin Insulator With Pin	126.25	56.29
26 05 46 00-0070 EA 15 KV Class 55-5, Pin Insulator With Pin	130.08	56.29
26 05 46 00-0071 Suspension Insulator <small>(26 05 46 00-0067)</small> Note: Includes clevis and strain clamp.		
26 05 46 00-0072 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	160.59	75.05
26 05 46 00-0073 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	171.01	75.05
26 05 46 00-0074 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	240.48	93.81
26 05 46 00-0075 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	381.71	150.11
26 05 46 00-0076 Spool Insulator With Clevis <small>(26 05 46 00-0067)</small>		
26 05 46 00-0077 EA 5 KV Class 53-5, Spool Insulator With Clevis	53.47	23.45
26 05 46 00-0078 EA 15 KV Class, Spool Insulator With Clevis	171.63	84.44
26 05 46 00-0079 EA 25 KV Class, Spool Insulator With Clevis	222.53	84.44
26 05 46 00-0080 Secondary Rack <small>(26 05 46 00-0067)</small>		
26 05 46 00-0081 EA 1 Spool Secondary Rack	106.20	46.90
26 05 46 00-0082 EA 2 Spool Secondary Rack	109.55	59.85
26 05 46 00-0083 EA 3 Spool Secondary Rack	164.02	79.74
26 05 46 00-0084 EA 4 Spool Secondary Rack	184.27	79.74
26 05 46 00-0085 Outdoor Load Break Switches <small>(26 05 46)</small> Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086 7.2 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0087 EA 600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	2,728.62	318.97
26 05 46 00-0088 EA 1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,250.76	318.97
26 05 46 00-0089 EA 1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,811.53	539.43
26 05 46 00-0090 EA 2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,005.51	539.43
26 05 46 00-0091 14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0092 EA 600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,307.17	318.97
26 05 46 00-0093 EA 1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,179.26	318.97
26 05 46 00-0094 EA 1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,811.53	539.43
26 05 46 00-0095 EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,005.51	539.43
26 05 46 00-0096 23 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0097 EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,654.57	370.56
26 05 46 00-0098 EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,768.04	370.56
26 05 46 00-0099 EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,193.49	637.93
26 05 46 00-0100 EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,393.83	637.93
26 05 46 00-0101 Square Distribution Poles <small>(26 05 46)</small>		
26 05 46 00-0102 Square Steel Tapered Shaft Distribution Poles <small>(26 05 46 00-0101)</small>		
26 05 46 00-0103 EA 20', Steel Taped Shaft Distribution Pole	2,108.55	398.71
26 05 46 00-0104 EA 25', Steel Taped Shaft Distribution Pole	2,359.00	422.16
26 05 46 00-0105 EA 30', Steel Taped Shaft Distribution Pole	2,563.56	469.07
26 05 46 00-0106 EA 35', Steel Taped Shaft Distribution Pole	2,835.30	515.97
26 05 46 00-0107 EA 40', Steel Taped Shaft Distribution Pole	3,792.28	562.89
26 05 46 00-0108 Square Prestressed Concrete Distribution Poles <small>(26 05 46 00-0101)</small>		
26 05 46 00-0109 EA 30', Prestressed Concrete Square Pole For Distribution	2,357.62	690.78

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0110 EA 35', Prestressed Concrete Square Pole For Distribution.....	2,611.97	757.63
26 05 46 00-0111 EA 40', Prestressed Concrete Square Pole For Distribution.....	3,025.77	846.76
26 05 46 00-0112 EA 45', Prestressed Concrete Square Pole For Distribution.....	3,398.51	935.89
26 05 46 00-0113 EA 50', Prestressed Concrete Square Pole For Distribution.....	4,077.57	1,136.44
26 05 46 00-0114 EA 55', Prestressed Concrete Square Pole For Distribution.....	4,781.28	1,336.99
26 05 46 00-0115 EA 60', Prestressed Concrete Square Pole For Distribution.....	5,591.80	1,515.26
26 05 46 00-0116 EA 65', Prestressed Concrete Square Pole For Distribution.....	6,281.63	1,871.79
26 05 46 00-0117 EA 70', Prestressed Concrete Square Pole For Distribution.....	7,566.50	2,050.05
26 05 46 00-0118 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		
26 05 46 00-0120 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,236.81	351.81
26 05 46 00-0121 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,115.65	375.26
26 05 46 00-0122 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,582.24	422.16
26 05 46 00-0123 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,246.25	469.07
26 05 46 00-0124 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,408.79	515.97
26 05 46 00-0125 Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126 Round Tapered Pole (26 05 46 00-0125)		
26 05 46 00-0127 EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	3,139.10	562.89
26 05 46 00-0128 EA 45', Galvanized Steel Tapered Round Pole For Distribution.....	3,639.01	609.79
26 05 46 00-0129 EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	3,878.55	656.70
26 05 46 00-0130 EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	4,563.29	750.52
26 05 46 00-0131 EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	5,627.54	844.33
26 05 46 00-0132 EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	6,612.13	1,047.31
26 05 46 00-0133 EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	7,364.00	1,188.14
26 05 46 00-0134 EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	8,141.78	1,336.99
26 05 46 00-0135 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	9,140.27	1,515.26
26 05 46 00-0136 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	9,766.00	1,604.39
26 05 46 00-0137 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	10,604.11	1,782.65
26 05 46 00-0138 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	11,668.88	2,005.49
26 05 46 00-0139 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	12,890.74	2,272.89
26 05 46 00-0140 12 Sided Tapered (26 05 46 00-0125)		
26 05 46 00-0141 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,297.20	562.89
26 05 46 00-0142 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,843.87	609.79
26 05 46 00-0143 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,468.38	656.70
26 05 46 00-0144 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,112.24	750.52
26 05 46 00-0145 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,424.74	844.33
26 05 46 00-0146 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,432.69	1,047.31
26 05 46 00-0147 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,082.79	1,188.14
26 05 46 00-0148 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,009.31	1,336.99
26 05 46 00-0149 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,001.69	1,515.26
26 05 46 00-0150 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,834.81	1,604.39
26 05 46 00-0151 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,836.53	1,782.65
26 05 46 00-0152 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,883.84	2,005.49
26 05 46 00-0153 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,146.50	2,272.89
26 05 46 00-0154 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,495.10	2,540.29
26 05 46 00-0155 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0125)		
26 05 46 00-0156 EA Ladder Clips.....	12.30	
26 05 46 00-0157 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	92.32	
26 05 46 00-0158 EA Ground Sleeve-2' At Ground Line.....	92.85	
26 05 46 00-0159 Arms With Baseplates And Endplates (26 05 46 00-0125)		
26 05 46 00-0160 EA 4' Arm With Baseplate And Endplate.....	461.38	93.81
26 05 46 00-0161 EA 5' Arm With Baseplate And Endplate.....	498.50	93.81
26 05 46 00-0162 EA 6' Arm With Baseplate And Endplate.....	630.15	140.72
26 05 46 00-0163 EA 7' Arm With Baseplate And Endplate.....	662.62	140.72
26 05 46 00-0164 EA 8' Arm With Baseplate And Endplate.....	792.85	187.63
26 05 46 00-0165 EA 9' Arm With Baseplate And Endplate.....	829.95	187.63
26 05 46 00-0166 EA 10' Arm With Baseplate And Endplate.....	1,095.45	234.53
26 05 46 00-0167 EA 11' Arm With Baseplate And Endplate.....	1,137.10	234.53
26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0125)		
26 05 46 00-0169 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	218.24	93.81
26 05 46 00-0170 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	240.98	93.81
26 05 46 00-0171 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	272.08	93.81
26 05 46 00-0172 Armless Construction Brackets (26 05 46 00-0125)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0173				Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0174	EA			7" 1 Position Vertical Insulation And Equipment Bracket.....	221.95	93.81
26 05 46 00-0175	EA			12" 1 Position Vertical Insulation And Equipment Bracket.....	236.31	93.81
26 05 46 00-0176	EA			12" 3 Position Vertical Insulation And Equipment Bracket.....	259.64	93.81
26 05 46 00-0177	EA			18" 1 Position Vertical Insulation And Equipment Bracket.....	368.83	140.72
26 05 46 00-0178	EA			18" 3 Position Vertical Insulation And Equipment Bracket.....	382.45	140.72
26 05 46 00-0179				Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0180	EA			Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	210.77	93.81
26 05 46 00-0181	EA			Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	240.94	93.81
26 05 46 00-0182	EA			Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	354.22	140.72
26 05 46 00-0183	EA			Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	425.42	140.72
26 05 46 00-0184	EA			Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	548.79	187.63
26 05 46 00-0185	EA			Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	586.58	187.63
26 05 46 00-0186				Pole Top Bracket And Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0187	EA			Pole Top Pin - 5".....	215.15	93.81
26 05 46 00-0188	EA			Pole Top Bracket - 5".....	222.47	93.81
26 05 46 00-0189				Angle Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0190	EA			Angle Pin - 25 Degree, 6".....	214.16	93.81
26 05 46 00-0191	EA			Angle Pin - 25 Degree, 7 1/4".....	237.95	93.81
26 05 46 00-0192				Static And Neutral Wire Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0193	EA			Neutral Wire Bracket.....	196.11	93.81
26 05 46 00-0194	EA			Static Wire Bracket.....	228.12	93.81
26 05 46 00-0195				Cutout, Arrestor And Terminator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0196	EA			Cutout And Arrestor, With Mounting Bracket.....	205.94	93.81
26 05 46 00-0197	EA			Equipment Mounting T Bracket.....	217.93	93.81
26 05 46 00-0198	EA			15 KV Cutout.....	272.79	
26 05 46 00-0199	EA			9/10 KV Arrestor.....	255.93	93.81
26 05 46 00-0200				Spacer Cable, Conduit Support And Cluster Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0201	EA			Spacer Cable.....	230.78	93.81
26 05 46 00-0202	EA			Conduit Support.....	202.73	93.81
26 05 46 00-0203	EA			Cluster Bracket For Mounting Transformer On Pole, 3 Diameter.....	297.59	93.81
26 05 46 00-0204				15 KV 200 Amp Solenoid Operated High Voltage Switch <small>(26 05 46 00-0172)</small>		
				Note: Includes pole mounting bracket.		
26 05 46 00-0205	EA			15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,211.90	234.53
26 05 46 00-0206				Octagonal Tapered <small>(26 05 46 00-0125)</small>		
26 05 46 00-0207	EA			40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,457.60	562.89
26 05 46 00-0208	EA			45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,021.77	609.79
26 05 46 00-0209	EA			50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,666.70	656.70
26 05 46 00-0210	EA			55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,328.05	797.42
26 05 46 00-0211	EA			60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	9,722.22	844.33
26 05 46 00-0212	EA			65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,753.50	1,047.31
26 05 46 00-0213	EA			70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	12,456.09	1,114.16
26 05 46 00-0214	EA			75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	13,407.40	1,336.99
26 05 46 00-0215	EA			80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	14,423.10	1,426.13
26 05 46 00-0216	EA			85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	15,281.02	1,604.39
26 05 46 00-0217	EA			90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	17,345.45	1,693.52
26 05 46 00-0218	EA			95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	18,419.01	2,005.49
26 05 46 00-0219	EA			100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	19,707.92	2,139.19
26 05 46 00-0220	EA			105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	21,085.68	2,406.59
26 05 46 00-0221				Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0222	LF			Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	32.83	
26 05 46 00-0223				Special Steel Bases For Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0224	EA			Spin-In Steel Base For Poles.....	169.18	
26 05 46 00-0225	EA			Series 3, 25' Pole And less.....	185.08	46.90
26 05 46 00-0226	EA			Series 4, 40' Pole And less.....	219.45	53.94
26 05 46 00-0227	EA			Series 5, 50' Pole And less.....	249.11	58.64

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0228 Primary Fuse Cutouts <small>(26 05 46)</small> Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0229 Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small> Note: Includes the fuse and cut-out switch.		
26 05 46 00-0230 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0231 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....451.62		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0232 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....545.43		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....140.72		
26 05 46 00-0233 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....638.93		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....168.77		
26 05 46 00-0234 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....646.37		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....168.87		
26 05 46 00-0235 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....646.37		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....168.87		
26 05 46 00-0236 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0237 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting .....451.62		187.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0238 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0239 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting .....461.25		187.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0240 Fuseholders <small>(26 05 46 00-0229)</small> Note: Including current limiting fuse.		
26 05 46 00-0241 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....411.03		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0242 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....504.84		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....140.72		
26 05 46 00-0243 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....598.34		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....168.77		
26 05 46 00-0244 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....414.36		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0245 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....508.17		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....140.72		
26 05 46 00-0246 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....411.03		187.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0247 Accessories <small>(26 05 46 00-0229)</small>		
26 05 46 00-0248 EA Hot Line Clamp .....56.84		21.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....14.07		
26 05 46 00-0249 EA Stirrup .....59.89		21.10
26 05 46 00-0250 Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small> Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0251 8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0252 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....526.60		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0253 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....620.41		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....140.72		
26 05 46 00-0254 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....713.91		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....168.77		
26 05 46 00-0255 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....728.34		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....168.87		
26 05 46 00-0256 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....728.34		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....168.87		
26 05 46 00-0257 17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0258 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting .....526.60		187.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0259 17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0260 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting .....526.60		187.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0261 Fuseholders <small>(26 05 46 00-0250)</small> Note: Includes current limiting fuses.		
26 05 46 00-0262 EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....414.47		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....112.58		
26 05 46 00-0263 EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....508.28		234.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....140.72		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0264 EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	601.78 168.77	234.53
26 05 46 00-0265 EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	414.47 112.58	234.53
26 05 46 00-0266 Pole Mounted Capacitors (26 05 46 00-0260)		
26 05 46 00-0267 EA Capacitors - Pole Mounted 6 KVAR.....	805.64	189.13
26 05 46 00-0268 Pole Structure Assemblies (26 05 46 00-0228)		
26 05 46 00-0269 5 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0270 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	369.15	178.25
26 05 46 00-0271 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	618.65	300.20
26 05 46 00-0272 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	606.85	234.53
26 05 46 00-0273 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	331.14	121.96
26 05 46 00-0274 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	435.48	168.86
26 05 46 00-0275 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	802.18	337.73
26 05 46 00-0276 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	617.02	253.30
26 05 46 00-0277 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,175.46	506.60
26 05 46 00-0278 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,328.38	572.27
26 05 46 00-0279 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	700.65	281.44
26 05 46 00-0280 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	648.92	300.20
26 05 46 00-0281 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,262.61	609.79
26 05 46 00-0282 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	872.80	365.88
26 05 46 00-0283 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	574.85	262.68
26 05 46 00-0284 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,124.59	534.74
26 05 46 00-0285 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	795.46	272.06
26 05 46 00-0286 15 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0287 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	378.78	178.25
26 05 46 00-0288 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	632.41	300.20
26 05 46 00-0289 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	653.62	234.53
26 05 46 00-0290 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	347.65	121.96
26 05 46 00-0291 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	458.87	159.48
26 05 46 00-0292 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	848.95	337.73
26 05 46 00-0293 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	651.42	253.30
26 05 46 00-0294 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,245.62	506.60
26 05 46 00-0295 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,423.31	572.27
26 05 46 00-0296 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	747.42	281.44
26 05 46 00-0297 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	666.80	300.20
26 05 46 00-0298 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,280.49	609.79
26 05 46 00-0299 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	908.57	365.88
26 05 46 00-0300 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	592.73	253.30
26 05 46 00-0301 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,142.47	534.74
26 05 46 00-0302 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	831.23	328.35
26 05 46 00-0303 25 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0304 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	911.15	281.44
26 05 46 00-0305 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	529.43	140.72
26 05 46 00-0306 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	773.71	215.77
26 05 46 00-0307 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,163.55	440.93
26 05 46 00-0308 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,021.21	328.35
26 05 46 00-0309 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,766.85	647.31
26 05 46 00-0310 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,785.87	731.75
26 05 46 00-0311 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,185.56	426.85
26 05 46 00-0312 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,059.30	426.85
26 05 46 00-0313 50 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0314 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,224.73	384.64
26 05 46 00-0315 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	652.23	197.01
26 05 46 00-0316 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	890.96	309.59
26 05 46 00-0317 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,710.37	628.56
26 05 46 00-0318 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,301.35	469.07
26 05 46 00-0319 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,535.29	938.14
26 05 46 00-0320 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,935.00	1,041.34
26 05 46 00-0321 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,472.63	506.60
26 05 46 00-0322 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,556.53	586.34
26 05 46 00-0323 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,487.54	553.50
26 05 46 00-0324 Overhead To Underground Conversion Structures (26 05 46 00-0228)		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0325 5 KV Structures <small>(26 05 46 00-0324)</small> Note: Excludes pole.		
26 05 46 00-0326 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,397.03	1,876.28
26 05 46 00-0327 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,397.03	1,876.28
26 05 46 00-0328 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,397.03	1,876.28
26 05 46 00-0329 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,397.03	1,876.28
26 05 46 00-0330 15 KV Structures <small>(26 05 46 00-0324)</small> Note: Excludes pole.		
26 05 46 00-0331 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,461.76	1,876.28
26 05 46 00-0332 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,461.76	1,876.28
26 05 46 00-0333 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,461.76	1,876.28
26 05 46 00-0334 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,461.76	1,876.28
26 05 46 00-0335 25 KV Structures <small>(26 05 46 00-0324)</small> Note: Excludes pole.		
26 05 46 00-0336 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,532.38	1,876.28
26 05 46 00-0337 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,532.38	1,876.28
26 05 46 00-0338 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,532.38	1,876.28
26 05 46 00-0339 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,532.38	1,876.28
26 05 46 00-0340 Transformer Stations <small>(26 05 46 00-0228)</small> Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0341 5 KV Station <small>(26 05 46 00-0340)</small>		
26 05 46 00-0342 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	4,623.54	2,501.08
26 05 46 00-0343 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,192.65	2,814.42
26 05 46 00-0344 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	5,761.77	3,126.82
26 05 46 00-0345 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	5,761.77	3,126.82
26 05 46 00-0346 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	4,623.54	2,501.08
26 05 46 00-0347 15 KV Stations <small>(26 05 46 00-0340)</small>		
26 05 46 00-0348 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	4,688.28	2,501.08
26 05 46 00-0349 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,257.39	2,814.42
26 05 46 00-0350 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,826.50	3,126.82
26 05 46 00-0351 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	5,826.50	3,126.82
26 05 46 00-0352 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	4,688.28	2,501.08
26 05 46 00-0353 25 KV Stations <small>(26 05 46 00-0340)</small>		
26 05 46 00-0354 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	4,758.90	2,501.08
26 05 46 00-0355 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	5,328.01	2,814.42
26 05 46 00-0356 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	5,897.12	3,126.82
26 05 46 00-0357 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	5,897.12	3,126.82
26 05 46 00-0358 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	4,758.90	2,501.08
26 05 53 Identification for Electrical Systems <small>(26 05)</small>		
26 05 53 00-0001 Conduit Markers Pressure-Sensitive <small>(26 05 53)</small> Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on	8.92	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on	9.33	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on	10.16	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.32	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.48	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on	10.73	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.40	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on	12.73	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.98	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on	13.23	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.74	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on	14.29	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on	14.77	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on	15.26	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on	16.64	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on	17.54	
26 05 53 00-0018 Labeling Electrical Wires <small>(26 05 53)</small>		
26 05 53 00-0019 EA Labeling Wire	1.76	

26 05 83 Wiring Connections (26 05)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0001 Tape Wrapped Compression Connectors <small>(26 05 83)</small>						
	26 05 83 00-0002	EA		#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	10.39	3.70
	26 05 83 00-0003	EA		#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	11.34	4.11
	26 05 83 00-0004	EA		#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	12.18	4.52
	26 05 83 00-0005	EA		1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	13.96	4.93
	26 05 83 00-0006	EA		2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	15.03	5.34
	26 05 83 00-0007	EA		3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	16.62	5.75
	26 05 83 00-0008	EA		4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.80	6.16
	26 05 83 00-0009	EA		250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	19.35	6.57
	26 05 83 00-0010	EA		300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	21.44	7.40
	26 05 83 00-0011	EA		350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.52	7.81
	26 05 83 00-0012	EA		400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	24.86	8.22
	26 05 83 00-0013	EA		500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	26.92	8.63
	26 05 83 00-0014	EA		750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	29.99	9.45
	26 05 83 00-0015	EA		1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	34.68	10.69
26 05 83 00-0016 One Hole Tape Wrapped Compression Lugs <small>(26 05 83)</small>						
	26 05 83 00-0017	EA		#16-14 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	14.08	10.69
	26 05 83 00-0018	EA		#12-10 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	15.91	11.52
	26 05 83 00-0019	EA		#8 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	19.50	12.75
	26 05 83 00-0020	EA		#6 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	27.50	16.45
	26 05 83 00-0021	EA		#4 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	32.32	16.45
	26 05 83 00-0022	EA		#2 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	37.19	16.45
	26 05 83 00-0023	EA		1/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	45.92	24.67
	26 05 83 00-0024	EA		2/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	53.91	24.67
	26 05 83 00-0025	EA		3/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	63.12	24.67
	26 05 83 00-0026	EA		4/0 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	76.14	32.89
	26 05 83 00-0027	EA		250 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	90.33	49.33
	26 05 83 00-0028	EA		300 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	103.32	49.33
	26 05 83 00-0029	EA		350 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	111.08	49.33
	26 05 83 00-0030	EA		400 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	120.87	57.56
	26 05 83 00-0031	EA		500 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	132.10	57.56
	26 05 83 00-0032	EA		750 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	143.62	65.78
	26 05 83 00-0033	EA		1,000 MCM Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts.....	168.27	74.01
26 05 83 00-0034 Tape Wrapped Split Bolt Connectors <small>(26 05 83)</small>						
	26 05 83 00-0035	EA		#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	42.86	32.89
	26 05 83 00-0036	EA		#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	47.13	35.36
	26 05 83 00-0037	EA		#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	53.70	37.00
	26 05 83 00-0038	EA		#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	62.19	41.11
	26 05 83 00-0039	EA		1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	73.25	45.22
	26 05 83 00-0040	EA		2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	81.63	49.33
	26 05 83 00-0041	EA		3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	101.85	53.45
	26 05 83 00-0042	EA		4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	109.24	57.56
	26 05 83 00-0043	EA		250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	115.07	61.67
	26 05 83 00-0044	EA		300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	130.55	67.83
	26 05 83 00-0045	EA		350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	146.03	98.67
	26 05 83 00-0046	EA		400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	159.68	82.23
	26 05 83 00-0047	EA		500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	173.35	111.00
	26 05 83 00-0048	EA		750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	191.01	115.12
	26 05 83 00-0049	EA		1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	214.95	123.34
26 05 83 00-0050 Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small>						
	26 05 83 00-0051	EA		#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	58.77	32.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.27	
	26 05 83 00-0052	EA		#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	67.80	32.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
	26 05 83 00-0053	EA		1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	93.91	49.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.41	
	26 05 83 00-0054	EA		4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	111.65	49.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.63	
	26 05 83 00-0055	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	133.72	61.67
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.37	
	26 05 83 00-0056	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	184.87	82.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.39	
26 05 83 00-0057 Terminal Blocks <small>(26 05 83)</small>						
				Note: Labor excludes wire termination.		
	26 05 83 00-0058	EA		Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	702.77	304.24
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.72	
	26 05 83 00-0059	EA		#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	167.59	41.18
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.95	
	26 05 83 00-0060	EA		#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	183.57	41.18
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.21	

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0061 Two Hole Tape Wrapped Compression Lugs <small>(26 05 83)</small>					
26 05 83 00-0062	EA		#8 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	28.47	13.98
26 05 83 00-0063	EA		#6 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	30.52	14.88
26 05 83 00-0064	EA		#4 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	32.23	14.88
26 05 83 00-0065	EA		#2 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	37.08	17.10
26 05 83 00-0066	EA		1/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	45.81	21.38
26 05 83 00-0067	EA		2/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	53.79	25.41
26 05 83 00-0068	EA		3/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	62.98	29.77
26 05 83 00-0069	EA		4/0 AWG Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	75.99	36.10
26 05 83 00-0070	EA		250 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	90.15	42.84
26 05 83 00-0071	EA		300 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	103.12	48.92
26 05 83 00-0072	EA		350 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	110.87	52.71
26 05 83 00-0073	EA		400 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	120.62	57.07
26 05 83 00-0074	EA		500 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	131.81	62.33
26 05 83 00-0075	EA		750 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	143.89	67.59
26 05 83 00-0076	EA		1,000 MCM Compression Lugs, 2 Hole, Wrapped, Low Voltage, To 600 Volts.....	177.57	82.23
26 05 83 00-0077 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>					
26 05 83 00-0078	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	28.46	14.88
26 05 83 00-0079	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	30.52	14.88
26 05 83 00-0080	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	32.23	14.88
26 05 83 00-0081	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	37.08	17.10
26 05 83 00-0082	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	45.80	21.38
26 05 83 00-0083	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	53.79	25.41
26 05 83 00-0084	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	62.98	29.77
26 05 83 00-0085	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	75.99	36.10
26 05 83 00-0086	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	90.15	42.84
26 05 83 00-0087	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	103.12	48.92
26 05 83 00-0088	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	110.87	52.71
26 05 83 00-0089	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	120.62	57.07
26 05 83 00-0090	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	131.81	62.33
26 05 83 00-0091	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	132.07	62.33
26 05 83 00-0092	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	28.46	14.88
26 05 83 00-0093	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	30.52	14.88
26 05 83 00-0094	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	32.23	14.88
26 05 83 00-0095	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	37.08	17.10
26 05 83 00-0096	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	45.80	21.38
26 05 83 00-0097	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	53.79	25.41
26 05 83 00-0098	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	62.98	29.77
26 05 83 00-0099	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	75.99	36.10
26 05 83 00-0100	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	90.15	42.84
26 05 83 00-0101	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	103.12	48.92
26 05 83 00-0102	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	110.87	52.71
26 05 83 00-0103	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	120.62	57.07
26 05 83 00-0104	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	131.81	62.33
26 05 83 00-0105	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	132.07	62.33
26 05 83 00-0106 Copper Mechanical Lugs <small>(26 05 83)</small>					
26 05 83 00-0107	EA		#8 Copper Mechanical Lugs.....	22.66	10.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 83 00-0108	EA		#6 Copper Mechanical Lugs.....	27.23	12.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.45	
26 05 83 00-0109	EA		#4 Copper Mechanical Lugs.....	31.49	14.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 83 00-0110	EA		#2 Copper Mechanical Lugs.....	40.96	18.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 05 83 00-0111	EA		1/0 Copper Mechanical Lugs.....	55.15	24.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 05 83 00-0112	EA		2/0 Copper Mechanical Lugs.....	65.37	28.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.19	
26 05 83 00-0113	EA		3/0 Copper Mechanical Lugs.....	76.14	32.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.74	
26 05 83 00-0114	EA		4/0 Copper Mechanical Lugs.....	86.39	36.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.13	
26 05 83 00-0115	EA		250 MCM Copper Mechanical Lugs.....	98.37	41.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 83 00-0116	EA		300 MCM Copper Mechanical Lugs.....	110.14	45.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.14	
26 05 83 00-0117	EA		350 MCM Copper Mechanical Lugs.....	121.86	49.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 83 00-0118	EA		400 MCM Copper Mechanical Lugs.....	133.51	53.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.04	
26 05 83 00-0119	EA		500 MCM Copper Mechanical Lugs.....	145.35	57.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.53	
26 05 83 00-0120	EA		750 MCM Copper Mechanical Lugs.....	164.90	65.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.34	
26 05 83 00-0121	EA		1,000 MCM Copper Mechanical Lugs.....	186.58	74.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0122				Gel Connectors <small>(26 05 83)</small>		
26 05 83 00-0123	EA			3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	34.90	
				Note: Kit contains connector, gel filled cap and cap clamp.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 83 00-0124	EA			4 Port, #14 to 2, Gel Tap Splice Kit.....	34.20	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 83 00-0125				Other Connections <small>(26 05 83)</small>		
26 05 83 00-0126	EA			#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.05	3.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 83 00-0127	EA			#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.10	3.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 83 00-0128	EA			#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.16	3.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 83 00-0129				Motor/Equipment Connections And Terminations <small>(26 05 83)</small>		
				Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.		
26 05 83 00-0130				AC Single Phase, 230 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0131	EA			<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.59	20.56
26 05 83 00-0132	EA			1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.37	20.56
26 05 83 00-0133	EA			3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.85	24.67
26 05 83 00-0134	EA			1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.67	30.83
26 05 83 00-0135	EA			1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.10	30.83
26 05 83 00-0136	EA			2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.19	30.83
26 05 83 00-0137	EA			3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.62	30.83
26 05 83 00-0138	EA			5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.36	41.11
26 05 83 00-0139	EA			7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.97	41.11
26 05 83 00-0140	EA			10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.12	51.39
26 05 83 00-0141				AC Three Phase, 230 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0142	EA			1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.37	20.56
26 05 83 00-0143	EA			3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.85	24.67
26 05 83 00-0144	EA			1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.67	30.83
26 05 83 00-0145	EA			1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.10	30.83
26 05 83 00-0146	EA			2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.19	30.83
26 05 83 00-0147	EA			3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.62	30.83
26 05 83 00-0148	EA			5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.36	41.11
26 05 83 00-0149	EA			7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.97	41.11
26 05 83 00-0150	EA			10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.12	51.39
26 05 83 00-0151	EA			15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.30	51.39
26 05 83 00-0152	EA			20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.42	61.67
26 05 83 00-0153	EA			25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.73	61.67
26 05 83 00-0154	EA			30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	205.75	82.23
26 05 83 00-0155	EA			40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	257.72	102.78
26 05 83 00-0156	EA			50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	305.20	123.34
26 05 83 00-0157	EA			60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	361.33	143.89
26 05 83 00-0158	EA			75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	414.71	164.45
26 05 83 00-0159	EA			100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	515.67	205.56
26 05 83 00-0160	EA			125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	610.22	244.62
26 05 83 00-0161	EA			150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	719.83	285.32
26 05 83 00-0162	EA			200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,039.89	427.90
26 05 83 00-0163				AC Three Phase, 460 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0164	EA			1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.37	20.56
26 05 83 00-0165	EA			3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.85	24.67
26 05 83 00-0166	EA			1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.67	30.83
26 05 83 00-0167	EA			1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.10	30.83
26 05 83 00-0168	EA			2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.19	30.83
26 05 83 00-0169	EA			3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.62	30.83
26 05 83 00-0170	EA			5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.36	41.11
26 05 83 00-0171	EA			7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	92.97	41.11
26 05 83 00-0172	EA			10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.12	51.39
26 05 83 00-0173	EA			15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.30	51.39
26 05 83 00-0174	EA			20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.42	61.67
26 05 83 00-0175	EA			25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.73	61.67
26 05 83 00-0176	EA			30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	205.75	82.23
26 05 83 00-0177	EA			40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	257.97	102.94
26 05 83 00-0178	EA			50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	305.20	123.34
26 05 83 00-0179	EA			60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	361.33	143.89
26 05 83 00-0180	EA			75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	414.71	164.45
26 05 83 00-0181	EA			100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	515.67	205.56
26 05 83 00-0182	EA			125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	610.45	244.70
26 05 83 00-0183	EA			150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	720.15	285.48
26 05 83 00-0184	EA			200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,040.60	428.23

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0185 AC Single Phase, 120 Volt <small>(26 05 83 00-0129)</small>		
26 05 83 00-0186 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.59	20.56
26 05 83 00-0187 Motor Moisture Sensor <small>(26 05 83 00-0129)</small>		
26 05 83 00-0188 EA Motor Moisture Sensor Located In Winding	264.47	
26 09 Instrumentation and Control for Electrical Systems <small>(26)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 Lighting Control Devices <small>(26 09)</small>		
26 09 23 00-0001 Lighting Contactors <small>(26 09 23)</small>		
Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	288.07	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	39.47	
26 09 23 00-0006 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	352.68	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0007 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	649.48	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	69.07	
26 09 23 00-0008 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,000.88	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	93.74	
26 09 23 00-0009 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,030.08	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	123.34	
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	325.19	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0012 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	387.19	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	49.34	
26 09 23 00-0013 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	706.45	131.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	78.94	
26 09 23 00-0014 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,082.80	172.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	103.61	
26 09 23 00-0015 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,181.70	226.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	135.67	
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	380.65	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	49.34	
26 09 23 00-0018 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	453.09	90.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	54.27	
26 09 23 00-0019 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	849.42	148.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	88.80	
26 09 23 00-0020 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,287.25	189.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	113.47	
26 09 23 00-0021 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,765.90	246.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	148.01	
26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0024 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	454.45	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	39.47	
26 09 23 00-0025 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	573.27	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0026 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,089.37	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	69.07	
26 09 23 00-0027 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,625.67	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	93.74	
26 09 23 00-0028 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,096.48	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	123.34	
26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0030 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	474.18	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	44.40	
26 09 23 00-0031 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	607.78	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	49.34	
26 09 23 00-0032 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,147.63	131.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	78.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0033 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,707.16	172.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.61	
26 09 23 00-0034 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,247.67	226.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.67	
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0036 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	513.66	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 09 23 00-0037 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	673.68	90.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.27	
26 09 23 00-0038 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,462.17	148.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.80	
26 09 23 00-0039 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,083.18	189.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.47	
26 09 23 00-0040 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	4,304.87	246.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.01	
26 09 23 00-0041 Mechanically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0044 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	409.33	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.47	
26 09 23 00-0045 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	465.34	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 09 23 00-0046 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	868.78	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.07	
26 09 23 00-0047 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,208.57	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.74	
26 09 23 00-0048 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,704.32	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.34	
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0050 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	439.40	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 09 23 00-0051 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	500.71	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 09 23 00-0052 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	927.04	131.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.94	
26 09 23 00-0053 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,290.92	172.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.61	
26 09 23 00-0054 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,038.69	226.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.67	
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0056 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	475.59	82.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 09 23 00-0057 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	535.22	90.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.27	
26 09 23 00-0058 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,081.62	148.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.80	
26 09 23 00-0059 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,507.84	189.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.47	
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,655.14	246.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.01	
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	596.86	65.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.47	
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	685.93	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,309.96	115.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.07	
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,833.36	156.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.74	
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,769.86	205.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.34	
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0069 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	633.04	74.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0070 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....721.30 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.34		82.23
26 09 23 00-0071 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,368.22 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 78.94		131.56
26 09 23 00-0072 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,916.14 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 103.61		172.67
26 09 23 00-0073 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....4,105.09 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 135.67		226.12
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0075 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....671.58 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.34		82.23
26 09 23 00-0076 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....755.81 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 54.27		90.44
26 09 23 00-0077 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....1,694.37 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 88.80		148.00
26 09 23 00-0078 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....2,303.77 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.47		189.12
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....5,162.72 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 148.01		246.68
26 09 23 00-0080 Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....771.08 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 54.27		90.44
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....1,210.49 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 86.83		144.72
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....1,931.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.96		189.94
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....3,475.42 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 149.24		248.73
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....1,358.67 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 54.27		90.44
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....2,116.07 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 86.83		144.72
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....3,512.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.96		189.94
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch .....5,496.86 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 149.24		248.73
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch .....838.16 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 54.27		90.44
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch .....1,442.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 86.83		144.72
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch .....2,151.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.96		189.94
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch .....4,100.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 149.24		248.73



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0101		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0094)		
26 09 23 00-0102		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0101)		
26 09 23 00-0103	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,426.40	90.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>54.27</i>	
26 09 23 00-0104	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,349.56	144.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>86.83</i>	
26 09 23 00-0105	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	3,732.59	189.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>113.96</i>	
26 09 23 00-0106	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	6,121.86	248.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>149.24</i>	
26 09 23 00-0107		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)		
26 09 23 00-0108	EA	Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	86.25	21.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.85</i>	
26 09 23 00-0109	EA	Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	93.44	21.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.85</i>	
26 09 23 00-0110		Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0111	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	890.92	82.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>49.34</i>	
26 09 23 00-0112	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	1,137.65	82.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>49.34</i>	
26 09 23 00-0113	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	1,388.78	82.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>49.34</i>	
26 09 23 00-0114		Light Control Panels ^(26 09 23)		
26 09 23 00-0115		Power Filters ^(26 09 23 00-0114)		
26 09 23 00-0116	EA	600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17".....	22,913.07	685.19
26 09 23 00-0117	EA	200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17".....	13,521.42	297.90
26 09 23 00-0118		Signal Filters ^(26 09 23 00-0114)		
26 09 23 00-0119	EA	0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	10,580.98	622.94
26 09 23 00-0120	EA	0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	7,224.15	380.70
26 09 23 00-0121	EA	0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	4,032.51	221.02
26 09 23 00-0122	EA	5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case.....	5,468.69	221.02
26 09 23 00-0123		Radio Controlled Devices (Lutron) ^(26 09 23)		
26 09 23 00-0124		Tabletop Transmitters For Radio Controlled Devices ^(26 09 23 00-0123)		
26 09 23 00-0125		Switched Lighting Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0124)		
26 09 23 00-0126	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	254.09	12.36
26 09 23 00-0127	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	328.80	12.36
26 09 23 00-0128	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	412.86	12.36
26 09 23 00-0129		Dimmable Lighting Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0124)		
26 09 23 00-0130	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	254.09	12.36
26 09 23 00-0131	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	300.78	12.36
26 09 23 00-0132	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	412.86	12.36
26 09 23 00-0133	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	254.09	12.36
26 09 23 00-0134	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	328.80	12.36
26 09 23 00-0135	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	412.86	12.36
26 09 23 00-0136		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0124)		
26 09 23 00-0137	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	328.80	12.36
26 09 23 00-0138	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	412.86	12.36
26 09 23 00-0139	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	412.86	12.36

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 09 23 00-0140		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0141	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	254.09		12.36
26 09 23 00-0142	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	328.80		12.36
26 09 23 00-0143	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	300.78		12.36
26 09 23 00-0144	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	366.16		12.36
26 09 23 00-0145	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	328.80		12.36
26 09 23 00-0146	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	394.18		12.36
26 09 23 00-0147	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	328.80		12.36
26 09 23 00-0148		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0149	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	254.09		12.36
26 09 23 00-0150	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	328.80		12.36
26 09 23 00-0151	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	328.80		12.36
26 09 23 00-0152	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	412.86		12.36
26 09 23 00-0153	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	328.80		12.36
26 09 23 00-0154	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	412.86		12.36
26 09 23 00-0155		Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0156	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	254.09		12.36
26 09 23 00-0157	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	328.80		12.36
26 09 23 00-0158	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	412.86		12.36
26 09 23 00-0159		Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0124)</small>			
26 09 23 00-0160	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	57.95		12.36
26 09 23 00-0161		Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0162	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	235.41		12.36
26 09 23 00-0163	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	254.09		12.36
26 09 23 00-0164	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	254.09		12.36
26 09 23 00-0165	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	254.09		12.36
26 09 23 00-0166	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	254.09		12.36
26 09 23 00-0167	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	254.09		12.36
26 09 23 00-0168		Interfaces For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0169	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	235.41		12.36
26 09 23 00-0170	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	235.41		12.36
26 09 23 00-0171	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	235.41		12.36
26 09 23 00-0172	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-B)	472.64		12.36
26 09 23 00-0173	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	674.38		12.36
26 09 23 00-0174	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	674.38		12.36
26 09 23 00-0175		Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0176	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	300.78		12.36
26 09 23 00-0177	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	338.14		12.36
26 09 23 00-0178	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	394.18		12.36
26 09 23 00-0179		AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0123)</small>			
26 09 23 00-0180	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	440.88		12.36
26 09 23 00-0181	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	604.33		12.36
26 09 23 00-0182		Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small> Note: Includes testing of new devices and certification.			



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0183				Occupancy Sensors <small>(26 09 23 00-0182)</small> Note: Exclude boxes.		
26 09 23 00-0184				Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0183)</small>		
26 09 23 00-0185				Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0184)</small>		
26 09 23 00-0186	EA			Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	94.08	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0187	EA			Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	110.83	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0188				Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0184)</small>		
26 09 23 00-0189	EA			Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....	69.38	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0190	EA			Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	69.38	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0191	EA			Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100).....	76.44	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0192	EA			Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200).....	90.55	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0193	EA			Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	92.31	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0194	EA			Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....	94.08	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0195				Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0184)</small>		
26 09 23 00-0196	EA			Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	121.42	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0197	EA			Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....	139.05	8.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.94</i>	
26 09 23 00-0198				Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0184)</small>		
26 09 23 00-0199	EA			Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	5.18	2.06
26 09 23 00-0200	EA			One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.32	2.06
26 09 23 00-0201	EA			Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.32	2.06
26 09 23 00-0202				Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0183)</small>		
26 09 23 00-0203				Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0202)</small>		
26 09 23 00-0204				25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		
26 09 23 00-0205	EA			500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	123.50	18.53
26 09 23 00-0206	EA			1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	142.02	18.53
26 09 23 00-0207	EA			2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	159.65	18.53
26 09 23 00-0208	EA			90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	159.65	18.53
26 09 23 00-0209				32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		
26 09 23 00-0210	EA			600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	131.43	18.53
26 09 23 00-0211	EA			1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	149.07	18.53
26 09 23 00-0212	EA			2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	166.71	18.53
26 09 23 00-0213	EA			90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	166.71	18.53
26 09 23 00-0214				35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		
26 09 23 00-0215	EA			600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605).....	128.79	18.53
26 09 23 00-0216	EA			1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105).....	146.43	18.53
26 09 23 00-0217	EA			2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205).....	164.06	18.53
26 09 23 00-0218	EA			90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255).....	164.06	18.53
26 09 23 00-0219	EA			600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	138.49	18.53
26 09 23 00-0220	EA			1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	156.13	18.53
26 09 23 00-0221	EA			2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	174.65	18.53
26 09 23 00-0222	EA			90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	174.65	18.53
26 09 23 00-0223				40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0203)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0224	EA		500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	138.49	18.53
26 09 23 00-0225	EA		1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	156.13	18.53
26 09 23 00-0226	EA		2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	174.65	18.53
26 09 23 00-0227	EA		500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	131.43	18.53
26 09 23 00-0228	EA		1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	149.07	18.53
26 09 23 00-0229	EA		2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	166.71	18.53
26 09 23 00-0230	EA		500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	131.43	18.53
26 09 23 00-0231	EA		1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	149.07	18.53
26 09 23 00-0232	EA		2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	166.71	18.53
26 09 23 00-0233			Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0202)</small>		
26 09 23 00-0234	EA		30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	102.33	18.53
26 09 23 00-0235	EA		HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	104.98	18.53
26 09 23 00-0236	EA		Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	116.44	18.53
26 09 23 00-0237	EA		Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	121.73	18.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0238	EA		Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	121.73	18.53
26 09 23 00-0239	EA		Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	133.20	18.53
26 09 23 00-0240	EA		Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	136.72	18.53
26 09 23 00-0241			Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0202)</small>		
26 09 23 00-0242	EA		1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	172.00	18.53
26 09 23 00-0243	EA		1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	190.52	18.53
26 09 23 00-0244	EA		1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	190.52	18.53
26 09 23 00-0245			Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0183)</small>		
26 09 23 00-0246			Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0245)</small>		
26 09 23 00-0247	EA		120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	190.52	18.53
26 09 23 00-0248	EA		2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	190.52	18.53
26 09 23 00-0249			Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0245)</small>		
26 09 23 00-0250	EA		2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	190.52	18.53
26 09 23 00-0251			Occupancy Sensor Power Packs <small>(26 09 23 00-0182)</small>		
26 09 23 00-0252			Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0253	EA		220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	60.29	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0254	EA		347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	60.29	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0255			Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0256	EA		120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	55.00	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0257			Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0251)</small>		
26 09 23 00-0258	EA		120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	67.34	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0259			Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0260	EA		120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	65.58	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0261	EA		277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	65.58	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0262			Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0263 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.57 9.89	16.47
26 09 23 00-0264 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.57 9.89	16.47
26 09 23 00-0265 Occupancy Sensor Power Supplies <small>(26 09 23 00-0251)</small>		
26 09 23 00-0266 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.12 9.89	16.47
26 09 23 00-0267 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.12 9.89	16.47
26 09 23 00-0268 Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0269 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	226.97	16.47
26 09 23 00-0270 DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0251)</small>		
26 09 23 00-0271 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	69.99	16.47
26 09 23 00-0272 Occupancy Sensor Accessories <small>(26 09 23 00-0182)</small>		
26 09 23 00-0273 Protective Cages For Occupancy Sensors <small>(26 09 23 00-0272)</small>		
26 09 23 00-0274 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	41.46	6.17
26 09 23 00-0275 Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0272)</small>		
26 09 23 00-0276 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	32.05	10.29
26 09 23 00-0277 Occupancy/Lighting Logger <small>(26 09 23 00-0272)</small> Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0278 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	308.99	35.01
26 09 23 00-0279 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0272)</small>		
26 09 23 00-0280 EA Remove And Reinstall Surface Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	55.60	
26 09 23 00-0281 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	24.71	
26 09 23 00-0282 Digital Time Light Switches <small>(26 09 23 00-0182)</small>		
26 09 23 00-0283 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	67.62	8.23
26 09 23 00-0284 Daylight Sensing Light Switches <small>(26 09 23 00-0182)</small>		
26 09 23 00-0285 EA User Adjustable Light Level Settings, Daylight Sensing Light Switch (Watt Stopper LS-100)	90.55	8.23
26 09 23 00-0286 Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small> Note: Includes testing of new devices and certification.		
26 09 23 00-0287 Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0286)</small> Note: Exclude boxes		
26 09 23 00-0288 Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0287)</small>		
26 09 23 00-0289 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0288)</small>		
26 09 23 00-0290 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	98.97	8.23
26 09 23 00-0291 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	71.47	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0292 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	68.45	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0293 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	68.45	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0294 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	85.22	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0295 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	85.22	8.23
26 09 23 00-0296 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	102.41	8.23
26 09 23 00-0297 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	85.22	8.23
26 09 23 00-0298 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0288)</small> Note: Includes passive infrared and microphonics detection		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0299 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	126.47	8.23
26 09 23 00-0300 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	98.97	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0301 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	96.91	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0302 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	96.91	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0303 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	112.72	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0304 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	112.72	8.23
26 09 23 00-0305 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	120.97	8.23
26 09 23 00-0306 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0288)</small>		
26 09 23 00-0307 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	9.62	2.06
26 09 23 00-0308 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	9.62	2.06
26 09 23 00-0309 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	17.87	2.06
26 09 23 00-0310 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	17.87	2.06
26 09 23 00-0311 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0287)</small>		
26 09 23 00-0312 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0311)</small>		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0313 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	119.57	18.53
26 09 23 00-0314 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	119.57	18.53
26 09 23 00-0315 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	119.57	18.53
26 09 23 00-0316 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	126.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0317 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	126.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0318 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	104.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0319 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	153.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0320 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	153.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0321 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	131.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0322 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	119.57	18.53
26 09 23 00-0323 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	119.57	18.53
26 09 23 00-0324 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	119.57	18.53
26 09 23 00-0325 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	126.45	18.53
26 09 23 00-0326 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	126.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0327 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	104.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0328 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	153.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0329 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	153.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0330 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	131.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0331 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0311)</small>		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0332 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	147.07	18.53
26 09 23 00-0333 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	147.07	18.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0334 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	147.07	18.53
26 09 23 00-0335 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	140.19	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0336 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	140.19	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0337 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	118.19	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0338 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	167.69	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0339 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	167.69	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0340 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	145.69	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0341 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	147.07	18.53
26 09 23 00-0342 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	147.07	18.53
26 09 23 00-0343 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	147.07	18.53
26 09 23 00-0344 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	140.19	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0345 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	140.19	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0346 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	118.19	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0347 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	167.69	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0348 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	167.69	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0349 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	145.69	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0350 Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0287)		
26 09 23 00-0351 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0350)		
26 09 23 00-0352 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	119.57	18.53
26 09 23 00-0353 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	133.32	18.53
26 09 23 00-0354 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	160.82	18.53
26 09 23 00-0355 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	153.95	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0356 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	181.45	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0357 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0350)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0358 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	147.07	18.53
26 09 23 00-0359 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	167.69	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0360 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	195.19	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	
26 09 23 00-0361 High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0287)		
26 09 23 00-0362 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0361)		
26 09 23 00-0363 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	119.57	18.53
26 09 23 00-0364 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	119.57	18.53
26 09 23 00-0365 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	119.57	18.53
26 09 23 00-0366 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	104.45	18.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	

26 Electrical

26 09 Instrumentation and Control for Electrical Systems

26 09 23 Lighting Control Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0367 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	104.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0368 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	104.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0369 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	131.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0370 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	131.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0371 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	131.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0372 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	114.07	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0373 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	114.07	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0374 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	114.07	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0375 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	114.07	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0376 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	114.07	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0377 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	114.07	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0378 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	133.32	18.53
26 09 23 00-0379 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	133.32	18.53
26 09 23 00-0380 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	133.32	18.53
26 09 23 00-0381 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	159.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0382 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	159.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0383 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	159.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0384 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	141.57	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0385 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	141.57	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0386 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	120.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0387 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	120.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0388 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	120.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0389 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	120.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0390 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	133.32	18.53
26 09 23 00-0391 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	133.32	18.53
26 09 23 00-0392 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	159.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0393 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	159.45	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0394 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	153.95	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0395 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	140.19	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0396 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	140.19	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0397 Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0286)</small>						
	26 09 23 00-0398	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	71.45	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
	26 09 23 00-0399	EA		2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	98.95	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
	26 09 23 00-0400	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	57.70	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
	26 09 23 00-0401	EA		2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	53.57	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
	26 09 23 00-0402	EA		20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	67.33	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
	26 09 23 00-0403	EA		120/277 Volt AC, HID Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	101.70	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
	26 09 23 00-0404	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	101.70	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
	26 09 23 00-0405	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	101.70	16.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 09 23 00-0406 Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0286)</small>						
26 09 23 00-0407 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0406)</small>						
	26 09 23 00-0408	EA		Remove And Reinstall Wall Switch Mounted Occupancy Sensor.....	24.71	
				Note: Includes storing and cleaning.		
	26 09 23 00-0409	EA		Remove And Reinstall Surface Mounted Occupancy Sensor.....	55.60	
				Note: Includes storing and cleaning.		
26 09 23 00-0410 Daylighting Control (Sensor Switch) <small>(26 09 23 00-0286)</small>						
	26 09 23 00-0411	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	105.82	18.53
	26 09 23 00-0412	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	105.82	18.53
	26 09 23 00-0413	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	105.82	18.53
	26 09 23 00-0414	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	105.82	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0415	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	105.82	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0416	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	105.82	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0417	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	105.82	18.53
	26 09 23 00-0418	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	105.82	18.53
	26 09 23 00-0419	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	105.82	18.53
	26 09 23 00-0420	EA		Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	105.82	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0421	EA		Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	105.82	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0422	EA		Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	105.82	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0423	EA		Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	147.07	18.53
	26 09 23 00-0424	EA		Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	147.07	18.53
	26 09 23 00-0425	EA		Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	147.07	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0426	EA		Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	147.07	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0427	EA		Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	147.07	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
	26 09 23 00-0428	EA		Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	147.07	18.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 09 23 00-0429 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small>						
				Note: Includes testing of new devices and certification.		
26 09 23 00-0430 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0429)</small>						
				Note: Excludes boxes.		
26 09 23 00-0431 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0430)</small>						
26 09 23 00-0432 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0431)</small>						
				Note: Includes passive infrared and microphonics detection		
	26 09 23 00-0433	EA		Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	168.49	8.23
26 09 23 00-0434 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0430)</small>						

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0435			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0434)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0436	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	204.12	18.53
26 09 23 00-0437	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	204.12	18.53
26 09 23 00-0438	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	204.12	18.53
26 09 23 00-0439			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0434)</small>		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0440	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	237.53	18.53
26 09 23 00-0441	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	237.53	18.53
26 09 23 00-0442	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	245.87	18.53
26 09 23 00-0443			Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0430)</small>		
26 09 23 00-0444			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0443)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0445	EA		Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	237.53	18.53
26 09 23 00-0446			High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0430)</small>		
26 09 23 00-0447			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0446)</small>		
26 09 23 00-0448	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	204.12	18.53
26 09 23 00-0449			Occupancy Sensor Power Packs (Sensor Switch nLight®) <small>(26 09 23 00-0429)</small>		
26 09 23 00-0450	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	74.71	16.47
26 09 23 00-0451	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	91.43	16.47
26 09 23 00-0452	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	119.82	16.47
26 09 23 00-0453	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	119.82	16.47
26 09 23 00-0454			Occupancy Sensor Accessories (Sensor Switch nLight®) <small>(26 09 23 00-0429)</small>		
26 09 23 00-0455	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	245.87	18.53
26 09 23 00-0456	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	329.42	18.53
26 09 23 00-0457			Daylighting Controls (Sensor Switch nLight®) <small>(26 09 23 00-0429)</small>		
26 09 23 00-0458	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	170.71	18.53
26 09 23 00-0459			Controls (Sensor Switch nLight®) <small>(26 09 23 00-0429)</small>		
26 09 23 00-0460	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	115.59	18.53
26 09 23 00-0461	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	162.37	18.53
26 09 23 00-0462	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	362.82	18.53
26 09 23 00-0463	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	362.82	18.53
26 09 23 00-0464	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,331.70	18.53
26 09 23 00-0465			Occupancy Sensors (Lutron) <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0466			Wireless Occupancy Sensors <small>(26 09 23 00-0465)</small>		
26 09 23 00-0467	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRFX-OCR2B-P-WH).....	92.96	18.53
26 09 23 00-0468	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0469	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0470	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0471	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0472	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53
26 09 23 00-0473	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	92.96	18.53



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0474	EA			Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® LRF-2-O-H-LB-P-WH).....	66.52	18.53
26 09 23 00-0475	EA			Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	135.09	18.53
26 09 23 00-0476	EA			Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	143.24	18.53
26 09 23 00-0477	EA			Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	167.62	18.53
26 09 23 00-0478	EA			Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	181.07	18.53
26 09 23 00-0479	EA			Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	180.48	18.53
26 09 23 00-0480	EA			Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	191.83	18.53
26 09 23 00-0481	EA			Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	126.62	18.53
26 09 23 00-0482	EA			Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	112.67	18.53
26 09 23 00-0483	EA			Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	142.60	18.53
26 09 23 00-0484	EA			Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	148.29	18.53
26 09 23 00-0485	EA			Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	174.40	18.53
26 09 23 00-0486	EA			Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	145.84	18.53
26 09 23 00-0487 Nodes And Modules <small>(26 09 23 00-0465)</small>						
26 09 23 00-0488	EA			0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	129.12	18.53
26 09 23 00-0489	EA			0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	129.12	18.53
26 09 23 00-0490	EA			4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	165.94	18.53
26 09 23 00-0491	EA			4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	165.94	18.53
26 09 23 00-0492	EA			120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	223.22	20.59
26 09 23 00-0493	EA			120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	236.87	20.59
26 09 23 00-0494	EA			120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	277.58	20.59
26 09 23 00-0495	EA			120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	279.11	20.59
26 09 23 00-0496	EA			120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	344.88	20.59
26 09 23 00-0497	EA			120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	375.73	20.59
26 09 23 00-0498	EA			120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	362.07	20.59
26 09 23 00-0499	EA			1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	842.57	32.95
26 09 23 00-0500	EA			2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,114.59	37.07
26 09 23 00-0501	EA			3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,391.30	41.18
26 09 23 00-0502 Other Accessories <small>(26 09 23 00-0465)</small>						
26 09 23 00-0503	EA			Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	26.17	
26 09 23 00-0504	EA			Pico® Wireless Control (Lutron® PJ).....	42.36	
26 09 23 00-0505	EA			4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	75.48	
26 09 23 00-0506	EA			8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	154.89	
26 09 23 00-0507	EA			4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	148.69	18.53
26 09 23 00-0508	EA			seeTouch® QS Wallstation (Lutron® QSWS2).....	218.44	18.53
26 09 23 00-0509	EA			seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	246.35	18.53
26 09 23 00-0510	EA			120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	348.12	20.59
26 09 23 00-0511	EA			120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	459.74	20.59
26 09 23 00-0512	EA			Control Interface (Lutron® QSE-CI-NWK-E).....	560.27	18.53
26 09 23 00-0513	EA			1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	564.68	18.53
26 09 23 00-0514	EA			2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	753.11	18.53
26 09 23 00-0515	MLF			5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,431.68	575.58
26 09 23 00-0516	MLF			5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	1,874.95	575.58
26 09 23 00-0517 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>						
Note: Includes testing of new devices and certification.						
26 09 23 00-0518	EA			120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	94.33	18.53
26 09 23 00-0519	EA			480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	102.95	18.53
26 09 23 00-0520	EA			120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	99.41	18.53
26 09 23 00-0521	EA			480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	109.63	18.53
26 09 23 00-0522 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>						
Note: Includes testing of new devices and certification.						
26 09 23 00-0523 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0522)</small>						

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0524		Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0523) Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0525	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	173.67	
26 09 23 00-0526	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	240.49	
26 09 23 00-0527		Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0523)		
26 09 23 00-0528	EA	Retrofit Receptacle Kit (Roam® DUR103).....	35.03	
26 09 23 00-0529	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	6,775.21	46.63
26 09 23 00-0530		Consoles (26 09 23)		
26 09 23 00-0531	EA	20" X 24" Oil Tight Console, Counter Mounted.....	365.67	102.78

26 10 Medium-Voltage Electrical Distribution (26)**26 11 Substations** (26 10)**26 11 13 Primary Unit Substations** (26 11)**26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section** (26 11 13)**26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"** (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	40,886.30	1,426.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>870.37</i>	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	50,158.25	1,803.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,087.96</i>	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	56,805.64	1,803.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,087.96</i>	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	65,309.60	1,803.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,160.49</i>	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	74,096.89	2,223.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,339.02</i>	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179.....	1,128.40	150.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>89.02</i>	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N.....	361.04	109.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>59.37</i>	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67.....	539.28	109.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>73.98</i>	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	426.62	109.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>59.37</i>	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87.....	1,595.97	368.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>222.41</i>	

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	23,592.05	1,426.14
		<i>For 50 Hz Operation, Add</i>	<i>2,482.90</i>	
		<i>For Forced Air Cooling, Add</i>	<i>2,482.90</i>	
		<i>For External Control Panel, Add</i>	<i>620.72</i>	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	<i>206.91</i>	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	<i>1,034.54</i>	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	<i>2,586.35</i>	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	<i>3,103.62</i>	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	26,985.60	1,786.87
		<i>For 50 Hz Operation, Add</i>	<i>2,803.09</i>	
		<i>For Forced Air Cooling, Add</i>	<i>2,803.09</i>	
		<i>For External Control Panel, Add</i>	<i>700.77</i>	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	<i>233.59</i>	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	<i>1,167.95</i>	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	<i>2,919.89</i>	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	<i>3,503.86</i>	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	41,505.59	2,516.71
		<i>For 50 Hz Operation, Add</i>	<i>4,361.74</i>	
		<i>For Forced Air Cooling, Add</i>	<i>4,361.74</i>	
		<i>For External Control Panel, Add</i>	<i>1,090.44</i>	
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	<i>363.48</i>	
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	<i>1,817.39</i>	
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	<i>4,543.48</i>	
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	<i>5,452.18</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	60,134.29	3,030.51
For 50 Hz Operation, Add	6,431.75	
For Forced Air Cooling, Add	6,431.75	
For External Control Panel, Add	1,607.94	
For Internally Mounted Current Transformers And Linear Couplers, Add	535.98	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,679.89	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,699.74	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,039.68	
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	74,089.79	3,921.84
For 50 Hz Operation, Add	7,910.31	
For Forced Air Cooling, Add	7,910.31	
For External Control Panel, Add	1,977.58	
For Internally Mounted Current Transformers And Linear Couplers, Add	659.19	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,295.96	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,239.91	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,887.89	
26 11 13 00-0021 23 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	26,386.96	1,929.49
For 50 Hz Operation, Add	2,731.25	
For External Control Panel, Add	682.81	
For Internally Mounted Current Transformers And Linear Couplers, Add	227.60	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,138.02	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,845.06	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,414.07	
For Forced Air Cooling, Add	1,820.84	
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	30,134.42	1,929.49
For 50 Hz Operation, Add	3,090.63	
For External Control Panel, Add	772.66	
For Internally Mounted Current Transformers And Linear Couplers, Add	257.55	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,287.76	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,219.40	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,863.28	
For Forced Air Cooling, Add	2,060.42	
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	48,311.00	2,852.28
For 50 Hz Operation, Add	5,101.03	
For External Control Panel, Add	1,275.26	
For Internally Mounted Current Transformers And Linear Couplers, Add	425.09	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,125.43	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,313.57	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,376.28	
For Forced Air Cooling, Add	3,400.68	
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	64,848.77	3,921.84
For 50 Hz Operation, Add	6,801.39	
For External Control Panel, Add	1,700.35	
For Internally Mounted Current Transformers And Linear Couplers, Add	566.78	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,833.91	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,084.78	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,501.74	
For Forced Air Cooling, Add	4,534.26	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	80,250.49	3,921.84
For 50 Hz Operation, Add	8,649.60	
For External Control Panel, Add	2,162.40	
For Internally Mounted Current Transformers And Linear Couplers, Add	720.80	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,604.00	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,010.00	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,812.00	
For Forced Air Cooling, Add	5,766.40	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	33,129.20	2,306.99
For 50 Hz Operation, Add	3,450.00	
For External Control Panel, Add	862.50	
For Internally Mounted Current Transformers And Linear Couplers, Add	287.50	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,437.50	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,593.75	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,312.50	
For Forced Air Cooling, Add	2,300.00	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	40,014.50	3,607.30
For 50 Hz Operation, Add	4,168.75	
For External Control Panel, Add	1,042.19	
For Internally Mounted Current Transformers And Linear Couplers, Add	347.40	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,736.98	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,342.45	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,210.93	
For Forced Air Cooling, Add	2,779.16	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	55,306.55	3,607.30
For 50 Hz Operation, Add	5,766.42	
For External Control Panel, Add	1,441.61	
For Internally Mounted Current Transformers And Linear Couplers, Add	480.54	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,402.68	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,006.69	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,208.03	
For Forced Air Cooling, Add	3,844.28	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	71,009.42	3,832.71
For 50 Hz Operation, Add	7,540.67	
For External Control Panel, Add	1,885.17	
For Internally Mounted Current Transformers And Linear Couplers, Add	628.39	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,141.95	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,854.86	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,425.84	
For Forced Air Cooling, Add	5,027.11	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	122,582.71	4,902.31
For 50 Hz Operation, Add	13,454.94	
For External Control Panel, Add	3,363.73	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,121.24	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,606.22	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,015.56	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,818.67	
For Forced Air Cooling, Add	8,969.96	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	50,755.68	2,684.50
For 50 Hz Operation, Add	5,457.69	
For External Control Panel, Add	1,364.42	
For Internally Mounted Current Transformers And Linear Couplers, Add	454.81	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,274.04	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,685.09	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,822.11	
For Forced Air Cooling, Add	3,638.46	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	57,364.66	2,684.50
For 50 Hz Operation, Add	6,187.47	
For External Control Panel, Add	1,546.87	
For Internally Mounted Current Transformers And Linear Couplers, Add	515.62	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,578.11	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,445.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,734.33	
For Forced Air Cooling, Add	4,124.98	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	79,437.98	3,607.30
For 50 Hz Operation, Add	8,662.19	
For External Control Panel, Add	2,165.55	
For Internally Mounted Current Transformers And Linear Couplers, Add	721.85	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,609.25	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,023.12	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,827.74	
For Forced Air Cooling, Add	5,774.79	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	97,196.90	4,902.31
For 50 Hz Operation, Add	10,408.64	
For External Control Panel, Add	2,602.16	
For Internally Mounted Current Transformers And Linear Couplers, Add	867.39	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,336.93	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,842.33	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,010.80	
For Forced Air Cooling, Add	6,939.09	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	138,022.60	4,902.31
For 50 Hz Operation, Add	15,307.72	
For External Control Panel, Add	3,826.93	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,275.64	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,378.22	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,945.55	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	19,134.65	
For Forced Air Cooling, Add	10,205.15	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	73,002.73	2,852.28
For 50 Hz Operation, Add	8,064.03	
For External Control Panel, Add	2,016.01	
For Internally Mounted Current Transformers And Linear Couplers, Add	672.00	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,360.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,400.04	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,080.04	
For Forced Air Cooling, Add	5,376.02	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	83,865.81	3,607.30
For 50 Hz Operation, Add	9,193.53	
For External Control Panel, Add	2,298.38	
For Internally Mounted Current Transformers And Linear Couplers, Add	766.13	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,830.64	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,576.60	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,491.91	
For Forced Air Cooling, Add	6,129.02	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	115,166.05	3,607.30
For 50 Hz Operation, Add	12,949.56	
For External Control Panel, Add	3,237.39	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,079.13	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,395.65	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,489.13	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,186.95	
For Forced Air Cooling, Add	8,633.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	122,134.74 13,401.18 3,350.30 1,116.77 5,583.83 13,959.56 16,751.48 8,934.12	4,902.31
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	159,834.46 17,925.15 4,481.29 1,493.76 7,468.81 18,672.03 22,406.43 11,950.10	4,902.31
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV ^(26 11 13)		
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,725.78	715.52
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	48,000.31	715.52
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	54,658.18	888.79
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	51,137.99	1,068.73
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	57,595.58	1,068.73
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	65,710.55	1,241.63
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	67,756.74	1,418.56
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,796.80	1,418.56
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	79,457.69	1,593.05
26 11 16 Secondary Unit Substations ^(26 11)		
26 11 16 00-0001 Substation Primary Incoming Section ^(26 11 16)		
26 11 16 00-0002 Manual Transferring Fused Load Break Switches ^(26 11 16 00-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 00-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	21,173.16	1,050.72
26 11 16 00-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	24,362.18	1,050.72
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches ^(26 11 16 00-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	29,874.86	1,050.72
26 11 16 00-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	31,950.30	1,050.72
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches ^(26 11 16 00-0001)		
26 11 16 00-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	5,127.58	
26 11 16 00-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	499.10	
26 11 16 00-0011 Oil Filled Substation Transformers ^(26 11 16) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ ^(26 11 16 00-0011)		
26 11 16 00-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	9,652.02 593.43 254.33 84.78	587.24
26 11 16 00-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	13,920.73 886.37 379.87 126.62	629.18
26 11 16 00-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	15,693.56 1,004.59 430.54 143.51	671.13
26 11 16 00-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	18,337.55 1,183.80 507.34 169.11	713.07
26 11 16 00-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	20,199.85 1,308.29 560.69 186.90	755.01
26 11 16 00-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	21,323.31 1,381.06 591.88 197.29	796.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	24,688.88	1,803.65
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,610.77	
For Control Power Transformer On Fans And Auxiliary, Add	690.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	230.11	
26 11 16 00-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	26,353.67	943.77
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,712.63	
For Control Power Transformer On Fans And Auxiliary, Add	733.98	
For Internal Mounted Current Transformer And Linear Coupler, Add	244.66	
26 11 16 00-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	29,399.06	1,006.69
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,917.00	
For Control Power Transformer On Fans And Auxiliary, Add	821.57	
For Internal Mounted Current Transformer And Linear Coupler, Add	273.86	
26 11 16 00-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	33,991.67	1,090.58
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,226.74	
For Control Power Transformer On Fans And Auxiliary, Add	954.32	
For Internal Mounted Current Transformer And Linear Coupler, Add	318.11	
26 11 16 00-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,305.04	1,174.46
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,446.93	
For Control Power Transformer On Fans And Auxiliary, Add	1,048.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	349.56	
26 11 16 00-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ (26 11 16 00-0011)		
26 11 16 00-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	9,229.09	587.24
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	563.82	
For Control Power Transformer On Fans And Auxiliary, Add	241.64	
For Internal Mounted Current Transformer And Linear Coupler, Add	80.55	
26 11 16 00-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	13,783.58	629.18
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	876.77	
For Control Power Transformer On Fans And Auxiliary, Add	375.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	125.25	
26 11 16 00-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	15,684.20	671.13
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,003.94	
For Control Power Transformer On Fans And Auxiliary, Add	430.26	
For Internal Mounted Current Transformer And Linear Coupler, Add	143.42	
26 11 16 00-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,353.65	713.07
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,184.93	
For Control Power Transformer On Fans And Auxiliary, Add	507.83	
For Internal Mounted Current Transformer And Linear Coupler, Add	169.28	
26 11 16 00-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,843.27	755.01
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,423.33	
For Control Power Transformer On Fans And Auxiliary, Add	610.00	
For Internal Mounted Current Transformer And Linear Coupler, Add	203.33	
26 11 16 00-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	23,369.67	796.96
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,524.30	
For Control Power Transformer On Fans And Auxiliary, Add	653.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	217.76	
26 11 16 00-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,633.81	838.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,676.92	
For Control Power Transformer On Fans And Auxiliary, Add	718.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	239.56	
26 11 16 00-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	27,981.40	943.77
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,826.57	
For Control Power Transformer On Fans And Auxiliary, Add	782.82	
For Internal Mounted Current Transformer And Linear Coupler, Add	260.94	
26 11 16 00-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	31,503.96	1,006.69
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,064.34	
For Control Power Transformer On Fans And Auxiliary, Add	884.72	
For Internal Mounted Current Transformer And Linear Coupler, Add	294.91	
26 11 16 00-0034 Accessories For Oil Filled Substation Transformers (26 11 16 00-0011)		
26 11 16 00-0035 EA Sudden Pressure Relay.....	2,569.52	
26 11 16 00-0036 EA Throats Or Flanges (HV Or LV).....	5,101.36	
26 11 16 00-0037 EA Lightning Arrestors (3 - 1 Pole).....	3,359.05	
26 11 16 00-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	18,641.04	
26 11 16 00-0039 EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	17,440.55	
26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 00-0011)		
Note: For transformer liquid containment area.		
26 11 16 00-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,157.04	923.08
26 11 16 00-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,157.04	923.08
26 11 16 00-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,157.04	923.08
26 11 16 00-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,157.04	923.08
26 11 16 00-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,157.04	923.08
26 11 16 00-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,157.04	923.08
26 11 16 00-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,157.04	923.08
26 11 16 00-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid.....	3,687.61	1,064.33
26 11 16 00-0049 Dry Type Substation Transformer (26 11 16)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V <small>(26 11 16 00-0049)</small> Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,644.94 9,181.61 -382.57 3,500.82	671.13
26 11 16 00-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,728.83 9,181.61 -382.57 3,509.21	713.07
26 11 16 00-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,179.83 9,301.21 -387.55 3,578.23	838.90
26 11 16 00-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,959.49 10,268.34 -427.85 3,949.62	922.80
26 11 16 00-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,096.84 11,349.41 -472.89 4,379.57	1,090.58
26 11 16 00-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,438.01 13,152.78 -548.03 5,074.36	1,258.36
26 11 16 00-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,413.11 15,235.83 -634.83 5,888.48	1,510.03
26 11 16 00-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	33,498.00 18,085.42 -753.56 6,966.88	1,677.81
26 11 16 00-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	43,074.97 23,730.94 -988.79 9,053.69	1,761.70
26 11 16 00-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,101.89 8,855.78 -368.99 3,381.35	671.13
26 11 16 00-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,728.83 9,181.61 -382.57 3,509.21	713.07
26 11 16 00-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,179.83 9,301.21 -387.55 3,578.23	838.90
26 11 16 00-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,959.49 10,268.34 -427.85 3,949.62	922.80
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,096.84 11,349.41 -472.89 4,379.57	1,090.58
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,438.01 13,152.78 -548.03 5,074.36	1,258.36
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,413.11 15,235.83 -634.83 5,888.48	1,510.03
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	33,498.00 18,085.42 -753.56 6,966.88	1,677.81
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	43,074.97 23,730.94 -988.79 9,053.69	1,761.70
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	47,207.33 26,109.68 -1,087.90 9,942.67	1,845.59

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	52,581.15	1,929.49
For Gas Filled Transformers, Add	29,233.31	
For Single Phase Transformers, Deduct	-1,218.05	
For Dry Type Unit, Add	11,104.78	
26 11 16 00-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	60,433.25	2,013.38
For Gas Filled Transformers, Add	33,843.90	
For Single Phase Transformers, Deduct	-1,410.16	
For Dry Type Unit, Add	12,812.11	
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	17,936.49	755.01
For Gas Filled Transformers, Add	9,855.88	
For Single Phase Transformers, Deduct	-410.66	
For Dry Type Unit, Add	3,764.82	
26 11 16 00-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,560.29	796.96
For Gas Filled Transformers, Add	10,179.82	
For Single Phase Transformers, Deduct	-424.16	
For Dry Type Unit, Add	3,891.99	
26 11 16 00-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	19,918.46	922.80
For Gas Filled Transformers, Add	10,843.72	
For Single Phase Transformers, Deduct	-451.82	
For Dry Type Unit, Add	4,160.59	
26 11 16 00-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,059.34	1,006.69
For Gas Filled Transformers, Add	11,427.58	
For Single Phase Transformers, Deduct	-476.15	
For Dry Type Unit, Add	4,391.45	
26 11 16 00-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,037.95	1,174.46
For Gas Filled Transformers, Add	13,013.41	
For Single Phase Transformers, Deduct	-542.23	
For Dry Type Unit, Add	5,006.48	
26 11 16 00-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	26,675.98	1,342.25
For Gas Filled Transformers, Add	14,394.89	
For Single Phase Transformers, Deduct	-599.79	
For Dry Type Unit, Add	5,546.58	
26 11 16 00-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,173.71	1,593.92
For Gas Filled Transformers, Add	16,791.52	
For Single Phase Transformers, Deduct	-699.65	
For Dry Type Unit, Add	6,475.68	
26 11 16 00-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	37,622.50	1,761.70
For Gas Filled Transformers, Add	20,459.46	
For Single Phase Transformers, Deduct	-852.48	
For Dry Type Unit, Add	7,854.14	
26 11 16 00-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	45,217.20	1,845.59
For Gas Filled Transformers, Add	24,915.61	
For Single Phase Transformers, Deduct	-1,038.15	
For Dry Type Unit, Add	9,504.84	
26 11 16 00-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	17,936.49	755.01
For Gas Filled Transformers, Add	9,855.88	
For Single Phase Transformers, Deduct	-410.66	
For Dry Type Unit, Add	3,764.82	
26 11 16 00-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,560.29	796.96
For Gas Filled Transformers, Add	10,179.82	
For Single Phase Transformers, Deduct	-424.16	
For Dry Type Unit, Add	3,891.99	
26 11 16 00-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	19,918.46	922.80
For Gas Filled Transformers, Add	10,843.72	
For Single Phase Transformers, Deduct	-451.82	
For Dry Type Unit, Add	4,160.59	
26 11 16 00-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,059.34	1,006.69
For Gas Filled Transformers, Add	11,427.58	
For Single Phase Transformers, Deduct	-476.15	
For Dry Type Unit, Add	4,391.45	
26 11 16 00-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,037.95	1,174.46
For Gas Filled Transformers, Add	13,013.41	
For Single Phase Transformers, Deduct	-542.23	
For Dry Type Unit, Add	5,006.48	
26 11 16 00-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,536.96	1,342.25
For Gas Filled Transformers, Add	12,511.48	
For Single Phase Transformers, Deduct	-521.31	
For Dry Type Unit, Add	4,855.99	
26 11 16 00-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,724.96	1,593.92
For Gas Filled Transformers, Add	12,922.27	
For Single Phase Transformers, Deduct	-538.43	
For Dry Type Unit, Add	5,056.95	
26 11 16 00-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,234.08	1,761.70
For Gas Filled Transformers, Add	16,026.41	
For Single Phase Transformers, Deduct	-667.77	
For Dry Type Unit, Add	6,228.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	35,640.82 19,169.78 -798.74 7,398.04	1,845.59
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	39,725.09 21,519.68 -896.65 8,276.44	1,929.49
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	46,417.96 25,434.73 -1,059.78 9,728.74	2,013.38
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	56,598.61 31,442.45 -1,310.10 11,948.35	2,097.26
26 11 16 00-0096 Substation Secondary Distribution Section <small>(26 11 16)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker <small>(26 11 16 00-0096)</small> Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	10,921.56	726.31
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	17,278.71	1,098.11
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	23,396.64	1,348.86
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	38,805.21	1,565.03
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	49,860.53	1,781.19
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker <small>(26 11 16 00-0096)</small>		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,835.74	220.49
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,587.71	220.49
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,310.23	324.25
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,439.45	324.25
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	17,421.30	475.56
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering <small>(26 11 16 00-0096)</small> Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,247.94 140.91	246.43
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,802.04 165.41	246.43
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,678.92 237.78	380.45
26 11 16 00-0113 Accessories For Substation Secondary Distribution <small>(26 11 16 00-0096)</small>		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,189.37 45.10	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	939.82 45.10	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,837.38 45.10	75.17
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,837.38 45.10	75.17
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,732.02 45.10	75.17
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,814.99 45.10	75.17
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,131.66 51.39	85.68
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,362.56 761.34	1,268.90
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,321.21	75.17
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,540.42	75.17
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	820.70 22.55	37.59
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,031.38 45.10	75.17
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	783.03	37.59

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0002 EA Remove And Relocate Oil Filled Transformer, Up To 37.5 KVA.....	885.04
26 12 13 00-0003 EA Remove And Relocate Oil Filled Transformers, >37.5 To 100 KVA.....	1,628.71



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 12 13 00-0004	Single Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>			
	Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.			
26 12 13 00-0005	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA <small>(26 12 13 00-0004)</small>			
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,403.68	352.54
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,711.04	440.68
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,013.42	528.81
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,572.41	661.01
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,065.68	793.22
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,986.47	925.42
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,732.88	1,101.69
26 12 13 00-0013	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA <small>(26 12 13 00-0004)</small>			
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,403.68	352.54
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,730.23	440.68
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,013.42	528.81
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,572.41	661.01
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,065.68	793.22
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,789.29	925.42
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,632.75	1,101.69
26 12 13 00-0021	Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>			
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,381.30	352.54
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,650.29	440.68
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,953.34	528.81
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,558.55	661.01
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,007.14	793.22
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,826.26	925.42
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,641.99	1,101.69
26 12 13 00-0029	Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>			
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,485.22	352.54
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,757.40	440.68
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,233.95	528.81
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,808.34	661.01
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,287.16	793.22
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,240.39	925.42
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,310.54	1,101.69
26 12 13 00-0037	Transformer Platforms <small>(26 12 13 00-0004)</small>			
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	4,428.16	595.35
26 12 13 00-0039	Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN Auto FCAN <small>(26 12 13 00-0004)</small>			
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,285.05	705.08
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,548.88	793.22
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,939.87	881.35
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,953.05	1,233.89
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,520.05	1,410.16
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,917.54	1,762.69
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,992.21	1,938.97
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,118.18	2,467.77
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,924.78	2,820.31
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,285.48	3,525.40
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,908.40	4,406.74
26 12 13 00-0051	Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL <small>(26 12 13 00-0004)</small>			
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,403.68	431.69
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,711.04	539.56
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,013.06	646.82
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,573.26	810.58
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,064.86	970.98
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,985.36	1,130.86
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,732.88	1,348.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,403.68	431.69
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,730.23	539.56
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,013.06	646.82
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,573.26	810.58
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,064.86	970.98
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,788.18	1,130.86
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,632.75	1,348.99
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,235.54	352.54
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,504.82	440.68
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,768.53	528.81
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,268.56	661.01
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,784.95	793.22
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,881.77	925.42
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,528.66	1,101.69
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,184.67	352.54
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,440.87	440.68
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,739.46	528.81
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,210.43	661.01
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,705.02	793.22
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,591.11	925.42
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,238.00	1,101.69
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 V <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	6,438.88	1,938.97
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	8,227.21	2,467.77
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	9,702.35	2,644.05
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	12,401.00	3,305.06
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	17,601.77	4,406.74
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	23,764.83	5,067.76
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Remove And Relocate "Dry Type" Transformer Up To 37.5 KVA.....	348.14	
26 12 16 00-0003 EA Remove And Relocate "Dry Type" Transformer, >37.5 To 112.5 KVA.....	1,547.32	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,574.43	419.45
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,880.99	419.45
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,431.45	574.65
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,156.63	574.65
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,698.56	755.01
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,068.18	755.01
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	433.22	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	455.20	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0013	EA		Loadbreaker Inserts, Factory Modifications	500.72	
26 12 19 00-0014			Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>		
			Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015			Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
			Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA		25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,110.21	419.45
26 12 19 00-0017	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,563.95	419.45
26 12 19 00-0018	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,894.50	574.65
26 12 19 00-0019	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,757.80	574.65
26 12 19 00-0020	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,323.29	755.01
26 12 19 00-0021	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,438.62	755.01
26 12 19 00-0022	EA		250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,932.87	1,048.63
26 12 19 00-0023			Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA		Loadbreaker Current Limiting Fuse Factory Modifications	577.63	
26 12 19 00-0025	EA		Lightning Arrestors, Factory Modifications	146.36	
26 12 19 00-0026	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0027	EA		Loop Feed Air Switch, Factory Modifications	740.87	
26 12 19 00-0028	EA		Loadbreaker Inserts (Two), Factory Modifications	197.78	
26 12 19 00-0029	EA		Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	171.09	
26 12 19 00-0030			Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
			Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA		25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,323.10	419.45
26 12 19 00-0032	EA		37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,634.79	419.45
26 12 19 00-0033	EA		50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,866.65	574.65
26 12 19 00-0034	EA		75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,587.51	574.65
26 12 19 00-0035	EA		100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,676.49	755.01
26 12 19 00-0036	EA		167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,061.25	755.01
26 12 19 00-0037	EA		250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,939.20	1,048.63
26 12 19 00-0038			Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>		
			Note: Conventional type.		
26 12 19 00-0039			13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>		
			Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA		10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,290.02	300.20
26 12 19 00-0041	EA		15 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,906.53	422.16
26 12 19 00-0042	EA		50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,391.85	675.46
26 12 19 00-0043	EA		100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,474.79	675.46
26 12 19 00-0044	EA		167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,183.85	1,107.01
26 12 19 00-0045	EA		250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,345.98	1,107.01
26 12 19 00-0046			Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047			7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA		10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,233.34	318.97
26 12 19 00-0049	EA		15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,444.39	318.97
26 12 19 00-0050	EA		25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,854.14	450.31
26 12 19 00-0051	EA		37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,729.68	450.31
26 12 19 00-0052	EA		50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,302.13	609.79
26 12 19 00-0053	EA		100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,330.03	938.14
26 12 19 00-0054	EA		167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,070.49	938.14
26 12 19 00-0055	EA		250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,170.99	1,172.68
26 12 19 00-0056			7.2 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA		10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,233.34	318.97
26 12 19 00-0058	EA		15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,444.44	318.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,854.14	450.31
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,729.68	450.31
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,302.13	609.79
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,485.03	825.56
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,330.03	825.56
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,070.49	1,041.34
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,170.99	1,172.68
26 12 19 00-0066 2.4 KV Primary, 277 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,411.21	318.97
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,638.23	318.97
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,083.97	450.31
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,023.27	450.31
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,638.35	609.79
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,885.51	825.56
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,951.62	825.56
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,942.95	1,041.34
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,353.72	1,172.68
26 12 19 00-0076 2.4 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,233.34	318.97
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,444.39	318.97
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,854.14	612.70
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,729.68	825.56
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,302.13	609.79
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,354.94	825.56
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,328.86	825.56
26 12 19 00-0084 2.4 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,233.34	318.97
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,444.39	318.97
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,854.14	450.31
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,729.68	450.31
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,302.13	609.79
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,354.94	825.56
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,328.86	825.56
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	1,956.73	328.35
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,131.91	365.88
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,552.71	403.40
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,303.84	562.89
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,712.91	656.70
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,974.89	769.27
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,930.71	881.85
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,988.30	1,125.76
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,078.34	1,266.49
26 13 Medium-Voltage Switchgear <small>(26 10)</small>		
26 13 16 Medium-Voltage Fusible Interrupter Switchgear <small>(26 13)</small>		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small>		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0003 EA 1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	9,621.73	975.67
<i>For Weatherproofing, Add</i>		
	1,979.97	
26 13 16 00-0004 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,090.34	975.67
<i>For Weatherproofing, Add</i>		
	2,083.06	
26 13 16 00-0005 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	13,718.34	1,243.04
<i>For Weatherproofing, Add</i>		
	2,853.45	
26 13 16 00-0006 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,644.66	1,243.04
<i>For Weatherproofing, Add</i>		
	3,916.32	
26 13 16 00-0007 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,653.76	1,501.02
<i>For Weatherproofing, Add</i>		
	5,653.35	
26 13 16 00-0008 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	24,360.95	1,501.02
<i>For Weatherproofing, Add</i>		
	5,138.30	
26 13 16 00-0009 7.2 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0010 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,290.37	1,125.76
<i>For Weatherproofing, Add</i>		
	2,992.92	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 13	Medium-Voltage Switchgear



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	17,563.24 3,666.71	1,407.21
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	24,635.56 5,189.40	1,688.65
26 13 16 00-0013 13.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,804.21 2,873.57	1,125.76
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,960.63 3,980.99	1,125.76
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	27,625.56 5,856.51	1,501.02
26 13 16 00-0017 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	17,369.69 3,612.86	1,501.02
26 13 16 00-0018 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	25,137.64 5,294.91	1,876.28
26 13 16 00-0019 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	35,094.07 7,456.96	1,876.28
26 13 16 00-0020 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	24,223.48 5,085.94	1,876.28
26 13 16 00-0021 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	33,504.06 7,100.65	1,876.28
26 13 16 00-0022 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	43,358.72 9,243.11	1,876.28
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0024 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,350.95 871.03	614.48
26 13 16 00-0025 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,621.36 1,150.52	614.48
26 13 16 00-0026 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,123.95 1,233.26	816.18
26 13 16 00-0027 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,588.56 1,528.26	1,008.50
26 13 16 00-0028 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,159.78 2,093.93	1,008.50
26 13 16 00-0029 7.2 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0030 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,490.24 1,109.69	938.14
26 13 16 00-0031 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,180.08 1,453.81	938.14
26 13 16 00-0032 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,901.65 2,245.29	938.14
26 13 16 00-0033 13.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0034 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,675.31 1,137.45	797.42
26 13 16 00-0035 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,042.98 1,218.34	797.42
26 13 16 00-0036 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,630.89 1,760.25	985.05
26 13 16 00-0037 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,751.92 1,539.59	1,182.05
26 13 16 00-0038 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,484.54 1,920.77	1,182.05
26 13 16 00-0039 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,909.65 2,206.41	1,379.06
26 13 16 00-0040 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,274.22 2,039.22	1,576.08
26 13 16 00-0041 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	11,461.47 2,300.41	1,576.08
26 13 16 00-0042 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	14,088.47 2,850.71	1,763.71
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,802.23 356.71	594.49
26 13 16 00-0045 EA 2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,486.59 395.84	659.70
26 13 16 00-0046 EA 3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,537.64 476.21	793.67
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,006.60	1,193.60
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,353.84	75.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,476.05	75.17
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,187.60	75.17
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,436.85	75.17
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,025.94	75.17
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,559.84	75.17
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,525.25	75.17
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,722.50	75.17
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,610.67	75.17
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67.....	1,675.05	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 13 16 00-0058 EA AC Ammeter With Switch.....	662.13	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer.....	662.13	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 13 16 00-0060 EA Indicating Wattmeter.....	973.47	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 13 16 00-0061 EA Indicating Varmeter.....	1,146.20	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element.....	723.97	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N.....	1,685.71	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87.....	3,171.51	75.17
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary.....	452.62	75.17
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,120.20	75.17

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002 EA 1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	34,314.84	1,172.68
26 13 19 00-0003 EA 1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	37,909.78	1,482.26
26 13 19 00-0004 EA 1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,047.57	1,482.26
26 13 19 00-0005 EA 2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	39,296.33	1,172.68
26 13 19 00-0006 EA 2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	44,174.43	1,172.68
26 13 19 00-0007 EA 2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	50,355.58	1,379.06
26 13 19 00-0008 EA 3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	51,989.62	1,576.08
26 13 19 00-0009 EA 3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,892.49	1,576.08
26 13 19 00-0010 EA 3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	62,174.69	1,773.09

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 16 Medium-Voltage Fuses (26 18)

26 18 16 00-0001 Sectionalizing Switch (26 18 16)		
26 18 16 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 16 00-0001)		
Note: 15 KV - 25 KV.		
26 18 16 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 16 00-0002)		
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 16 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	18,822.26	629.18
26 18 16 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	21,133.36	629.18

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001 Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002 600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003 Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004 LF #6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.95	2.24
26 21 13 00-0005 LF #4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.71	2.65
26 21 13 00-0006 LF #2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.11	2.98
26 21 13 00-0007 LF #1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	16.16	3.75
26 21 13 00-0008 Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009 LF #6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.03	2.65
26 21 13 00-0010 LF #4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	10.69	2.98
26 21 13 00-0011 LF #2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	13.75	3.75
26 21 13 00-0012 LF #1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.09	4.57
26 21 13 00-0013 LF #2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	23.06	6.05
26 21 13 00-0014 LF #4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	30.78	7.51
26 21 13 00-0015 LF 336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	47.91	8.94

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017 LF #6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	10.77	2.98
26 21 13 00-0018 LF #4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	13.74	3.75
26 21 13 00-0019 LF #2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	17.97	4.81
26 21 13 00-0020 LF #1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	24.96	6.05
26 21 13 00-0021 LF #2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	28.03	6.70
26 21 13 00-0022 LF #3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	33.95	7.51
26 21 13 00-0023 LF #4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	39.25	8.94
26 21 13 00-0024 LF 336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	57.08	9.88
26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial <small>(26 21 13 00-0002)</small>		
Note: Excludes excavation and backfill.		
26 21 13 00-0026 MLF #6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,975.04	833.91
26 21 13 00-0027 MLF #4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	6,048.94	882.98
26 21 13 00-0028 MLF #2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	7,672.43	938.14
26 21 13 00-0029 MLF #1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	9,955.14	938.14
26 21 13 00-0030 MLF #2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	11,297.41	1,000.71
26 21 13 00-0031 MLF #3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	13,591.73	1,154.66
26 21 13 00-0032 MLF #4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	16,235.83	1,501.02
26 21 13 00-0033 Weather Proof Conduit Hubs <small>(26 21 13 00-0002)</small>		
26 21 13 00-0034 EA 1/2" Weatherproof Conduit Hubs.....	39.08	14.47
26 21 13 00-0035 EA 3/4" Weatherproof Conduit Hubs.....	44.66	16.45
26 21 13 00-0036 EA 1" Weatherproof Conduit Hubs.....	52.71	18.42
26 21 13 00-0037 EA 1-1/4" Weatherproof Conduit Hubs.....	74.80	24.67
26 21 13 00-0038 EA 1-1/2" Weatherproof Conduit Hubs.....	82.85	26.64
26 21 13 00-0039 EA 2" Weatherproof Conduit Hubs.....	111.38	30.92
26 21 13 00-0040 EA 2-1/2" Weatherproof Conduit Hubs.....	153.36	34.86
26 21 13 00-0041 EA 3" Weatherproof Conduit Hubs.....	202.87	41.11
26 21 13 00-0042 EA 4" Weatherproof Conduit Hubs.....	347.71	82.23
26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized <small>(26 21 13 00-0002)</small>		
26 21 13 00-0044 EA 1/2" Galvanized Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	43.78	14.47
26 21 13 00-0045 EA 3/4" Galvanized Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	50.28	16.45
26 21 13 00-0046 EA 1" Galvanized Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	64.24	21.02
26 21 13 00-0047 EA 1-1/4" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	77.63	24.67
26 21 13 00-0048 EA 1-1/2" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	97.75	30.40
26 21 13 00-0049 EA 2" Galvanized Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead.....	128.83	35.27
26 21 13 00-0050 EA 2-1/2" Galvanized Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead.....	218.38	39.78
26 21 13 00-0051 EA 3" Galvanized Weatherhead For 250 Thru 500 MCM Cable Service Entrance Threaded Weatherhead.....	233.98	41.11
26 21 13 00-0052 EA 4" Galvanized Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead.....	378.14	82.23
26 21 13 00-0053 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) <small>(26 21 13 00-0002)</small>		
26 21 13 00-0054 EA 1/2" Polyvinyl Chloride (PVC) Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	38.97	14.47
26 21 13 00-0055 EA 3/4" Polyvinyl Chloride (PVC) Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	43.91	16.45
26 21 13 00-0056 EA 1" Polyvinyl Chloride (PVC) Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	55.42	20.92
26 21 13 00-0057 EA 1-1/4" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	66.66	24.67
26 21 13 00-0058 EA 1-1/2" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	81.87	30.40
26 21 13 00-0059 EA 2" Polyvinyl Chloride (PVC) Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead.....	97.81	35.27
26 21 13 00-0060 EA 2-1/2" Polyvinyl Chloride (PVC) Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead.....	146.84	39.78
26 21 13 00-0061 EA 3" Polyvinyl Chloride (PVC) Weatherhead For 250 Thru 350 MCM Cable Service Entrance Threaded Weatherhead.....	151.38	41.11
26 21 13 00-0062 EA 3-1/2" Polyvinyl Chloride (PVC) Weatherhead For 500 MCM Cable Service Entrance Threaded Weatherhead.....	241.11	57.56
26 21 13 00-0063 EA 4" Polyvinyl Chloride (PVC) Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead.....	332.94	82.23
26 22 Low-Voltage Transformers <small>(26 20)</small>		
26 22 13 Low-Voltage Distribution Transformers <small>(26 22)</small>		
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers <small>(26 22 13)</small>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	578.43	211.43
26 22 13 00-0004 EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	744.27	253.70
26 22 13 00-0005 EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	867.27	264.70
26 22 13 00-0006 EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	991.25	274.85
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,284.11	295.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,483.92 42.48 63.72	317.14
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,614.34 46.89 70.33	338.28
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,635.33 43.71 65.57	380.56
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,909.44 53.19 79.78	422.85
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,456.76 72.10 108.14	507.42
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,048.88 93.25 139.87	591.99
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	4,615.56 154.67 232.00	761.12
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	7,728.83 293.42 440.12	930.26
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	11,581.86 473.38 710.07	1,057.12
26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	671.86	253.70
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	751.25	264.28
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	861.56	274.85
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	979.13	295.99
26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,483.92	317.14
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,614.34	338.28
26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	398.49	150.34
26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001) Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	30.61	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	39.01	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	46.52	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	55.50	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	75.09	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	89.78	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	110.18	
26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	978.53	264.28
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,075.84	274.85
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,163.50	295.99
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,376.04	317.14
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,782.94	338.28
26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	719.27	190.28
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	949.28	211.43
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,115.47	253.70
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,214.15	264.28
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,341.39	274.85
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,661.18	295.99
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,077.28	317.14
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,470.95	317.14

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 22	Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,574.10	338.28
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,683.74	359.42
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,430.48	380.56
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,572.21	401.71
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,630.03	422.85
26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer (26 22 13)		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057 Packaged Power Supply (26 22 13 00-0056)		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers	3,975.02	909.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		107.84
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		161.76
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers	4,617.81	972.55
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		133.64
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		200.45
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers	5,393.61	1,057.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		163.97
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		245.95
26 22 13 00-0061 Drive Isolation Transformers (26 22 13 00-0056)		
Note: Only use in step-up applications.		
26 22 13 00-0062 230 Volt Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,585.45	338.28
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,984.76	359.42
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,098.45	380.56
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,604.39	401.71
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,762.27	443.98
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,134.37	486.27
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,651.18	528.56
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,386.40	591.99
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,799.03	613.13
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,613.45	634.28
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,162.86	655.41
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,238.60	803.41
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,249.53	845.69
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,652.71	887.98
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,185.50	1,057.12
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,625.68	1,247.40
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,722.93	1,374.25
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	23,852.90	1,522.25
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	29,235.22	1,691.39
26 22 13 00-0082 208V Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0083 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,682.61	338.28
26 22 13 00-0084 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,100.10	359.42
26 22 13 00-0085 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,217.42	380.56
26 22 13 00-0086 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,746.96	401.71
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,908.58	443.98
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,253.01	465.13
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,876.39	549.70
26 22 13 00-0090 EA 61 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,600.30	591.99
26 22 13 00-0091 EA 83 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,031.79	613.13
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,885.51	634.28
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,511.63	655.41
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,627.05	803.41
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,685.14	845.69
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,155.44	887.98
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,799.93	1,057.12
26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,941.52	348.85
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,467.79	380.56
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		85.33
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		128.00
26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0102	EA			30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,804.99	465.13
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	93.74	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	140.60	
				<i>For K4 Factor Rating, Add</i>	1,312.31	
				<i>For K13 Factor Rating, Add</i>	1,874.73	
				<i>For K20 Factor Rating, Add</i>	2,437.15	
26 22 13 00-0103	EA			37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,332.11	507.42
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	115.86	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	173.80	
				<i>For K4 Factor Rating, Add</i>	1,622.09	
				<i>For K13 Factor Rating, Add</i>	2,317.27	
				<i>For K20 Factor Rating, Add</i>	3,012.45	
26 22 13 00-0104	EA			45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,503.00	549.70
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	120.18	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	180.27	
				<i>For K4 Factor Rating, Add</i>	1,682.52	
				<i>For K13 Factor Rating, Add</i>	2,403.60	
				<i>For K20 Factor Rating, Add</i>	3,124.68	
26 22 13 00-0105	EA			50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,469.15	591.99
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.26	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	246.39	
				<i>For K4 Factor Rating, Add</i>	2,299.63	
				<i>For K13 Factor Rating, Add</i>	3,285.18	
				<i>For K20 Factor Rating, Add</i>	4,270.73	
26 22 13 00-0106	EA			75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,457.96	634.28
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	159.47	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	239.21	
				<i>For K4 Factor Rating, Add</i>	2,232.59	
				<i>For K13 Factor Rating, Add</i>	3,189.42	
				<i>For K20 Factor Rating, Add</i>	4,146.25	
26 22 13 00-0107	EA			112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,520.56	761.12
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	199.92	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	299.87	
				<i>For K4 Factor Rating, Add</i>	2,798.82	
				<i>For K13 Factor Rating, Add</i>	3,998.31	
				<i>For K20 Factor Rating, Add</i>	5,197.80	
26 22 13 00-0108	EA			150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,023.75	845.69
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	266.62	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	399.93	
				<i>For K4 Factor Rating, Add</i>	3,732.65	
				<i>For K13 Factor Rating, Add</i>	5,332.36	
				<i>For K20 Factor Rating, Add</i>	6,932.07	
26 22 13 00-0109	EA			225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,481.88	1,057.12
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	368.38	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	552.57	
				<i>For K4 Factor Rating, Add</i>	5,157.36	
				<i>For K13 Factor Rating, Add</i>	7,367.65	
				<i>For K20 Factor Rating, Add</i>	9,577.95	
26 22 13 00-0110	EA			300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,580.16	1,310.83
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	447.93	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	671.89	
				<i>For K4 Factor Rating, Add</i>	6,270.96	
				<i>For K13 Factor Rating, Add</i>	8,958.51	
				<i>For K20 Factor Rating, Add</i>	11,646.06	
26 22 13 00-0111	EA			500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	16,331.93	1,606.82
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	655.91	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	983.87	
				<i>For K4 Factor Rating, Add</i>	9,182.80	
				<i>For K13 Factor Rating, Add</i>	13,118.29	
				<i>For K20 Factor Rating, Add</i>	17,053.78	
26 22 13 00-0112	EA			750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	35,888.71	1,929.49
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,599.93	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,399.89	
				<i>For K4 Factor Rating, Add</i>	22,398.96	
				<i>For K13 Factor Rating, Add</i>	31,998.52	
				<i>For K20 Factor Rating, Add</i>	41,598.08	
26 22 13 00-0113	EA			1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	46,830.34	2,114.23
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,130.09	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,195.14	
				<i>For K4 Factor Rating, Add</i>	29,821.31	
				<i>For K13 Factor Rating, Add</i>	42,601.87	
				<i>For K20 Factor Rating, Add</i>	55,382.43	
26 22 13 00-0114				480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN		
				Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115	EA			6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,624.83	327.70
				<i>For K4 Factor Rating, Add</i>	678.59	
				<i>For K13 Factor Rating, Add</i>	969.42	
				<i>For K20 Factor Rating, Add</i>	1,260.25	
26 22 13 00-0116	EA			9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,941.52	348.85
				<i>For K4 Factor Rating, Add</i>	870.67	
				<i>For K13 Factor Rating, Add</i>	1,243.82	
				<i>For K20 Factor Rating, Add</i>	1,616.97	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,467.79	380.56
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	85.33	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	128.00	
For K4 Factor Rating, Add	1,194.67	
For K13 Factor Rating, Add	1,706.67	
For K20 Factor Rating, Add	2,218.67	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps		
(26 22 13 00-0056)		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,498.89	465.13
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	178.43	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	267.65	
For K4 Factor Rating, Add	2,498.04	
For K13 Factor Rating, Add	3,568.63	
For K20 Factor Rating, Add	4,639.22	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,070.57	549.70
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	198.56	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	297.84	
For K4 Factor Rating, Add	2,779.82	
For K13 Factor Rating, Add	3,971.17	
For K20 Factor Rating, Add	5,162.52	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,308.22	634.28
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	301.98	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	452.98	
For K4 Factor Rating, Add	4,227.78	
For K13 Factor Rating, Add	6,039.68	
For K20 Factor Rating, Add	7,851.58	
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,140.44	761.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	380.91	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	571.36	
For K4 Factor Rating, Add	5,332.73	
For K13 Factor Rating, Add	7,618.19	
For K20 Factor Rating, Add	9,903.65	
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	10,939.36	845.69
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	462.40	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	693.60	
For K4 Factor Rating, Add	6,473.58	
For K13 Factor Rating, Add	9,247.97	
For K20 Factor Rating, Add	12,022.36	
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	13,996.08	1,057.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	594.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	891.14	
For K4 Factor Rating, Add	8,317.30	
For K13 Factor Rating, Add	11,881.85	
For K20 Factor Rating, Add	15,446.41	
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,042.39	1,310.83
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	721.04	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,081.56	
For K4 Factor Rating, Add	10,094.52	
For K13 Factor Rating, Add	14,420.74	
For K20 Factor Rating, Add	18,746.96	
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	26,898.94	1,606.82
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,184.27	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,776.40	
For K4 Factor Rating, Add	16,579.71	
For K13 Factor Rating, Add	23,685.30	
For K20 Factor Rating, Add	30,790.89	
26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127)		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,330.59	380.56
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,416.39	465.13
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,885.13	549.70
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,175.96	634.28
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	9,092.20	761.12
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,981.57	845.69
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,842.72	1,057.12
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	20,041.12	1,310.83
26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0127)		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,645.69	380.56
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,913.91	465.13
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,641.97	549.70
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	7,155.94	634.28
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,605.89	761.12
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,840.52	845.69
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	14,988.12	1,057.12
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	23,525.32	1,310.83



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0146			NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147			Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148			150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	2,904.46	377.51
26 22 13 00-0150	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,542.70	461.39
26 22 13 00-0151	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,274.07	545.29
26 22 13 00-0152	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,769.21	629.18
26 22 13 00-0153	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,744.27	755.01
26 22 13 00-0154	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,663.73	838.90
26 22 13 00-0155	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,831.47	1,048.63
26 22 13 00-0156	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,115.49	1,300.31
26 22 13 00-0157			115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,551.17	377.51
26 22 13 00-0159	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,326.06	461.39
26 22 13 00-0160	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,229.33	545.29
26 22 13 00-0161	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,122.68	629.18
26 22 13 00-0162	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,141.26	755.01
26 22 13 00-0163	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,059.51	838.90
26 22 13 00-0164	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,051.95	1,048.63
26 22 13 00-0165	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,769.95	1,300.31
26 22 13 00-0166			80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,195.27	377.51
26 22 13 00-0168	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,111.60	461.39
26 22 13 00-0169	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,184.60	545.29
26 22 13 00-0170	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,473.98	629.18
26 22 13 00-0171	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,903.82	755.01
26 22 13 00-0172	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,455.28	838.90
26 22 13 00-0173	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,272.43	1,048.63
26 22 13 00-0174	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	27,424.42	1,300.31
26 22 13 00-0175			Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176			150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	3,979.84	377.51
26 22 13 00-0178	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,850.48	461.39
26 22 13 00-0179	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,864.72	545.29
26 22 13 00-0180	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,023.54	629.18
26 22 13 00-0181	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,929.93	755.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,739.38	838.90
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,308.46	1,048.63
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,033.95	1,300.31
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,623.94	377.51
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,636.02	461.39
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,819.99	545.29
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,377.02	629.18
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,359.31	755.01
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,147.95	838.90
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	23,174.00	1,048.63
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	34,626.98	1,300.31
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,270.21	377.51
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,421.55	461.39
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,775.25	545.29
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,728.31	629.18
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,114.13	755.01
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,145.27	838.90
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	28,037.36	1,048.63
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	41,490.08	1,300.31
26 22 13 00-0203 3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	414.61	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	704.08	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	704.08	
26 22 13 00-0207 Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	522.01	150.34
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211 Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	759.71	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	123.54	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	494.15	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,423.67	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	174.41	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	138.07	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA.....	4,134.61	1,543.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,028.92	
26 22 13 00-0220 EA Containment Area For 112.5 KVA.....	4,134.61	1,543.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,028.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0221 EA Containment Area For 150 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,134.61 1,028.92	1,543.36
26 22 13 00-0222 EA Containment Area For 225 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,134.61 1,028.92	1,543.36
26 22 13 00-0223 EA Containment Area For 300 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,129.08 1,027.26	1,543.36
26 22 13 00-0224 EA Containment Area For 500 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,129.08 1,027.26	1,543.36
26 22 13 00-0225 EA Containment Area For 750 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,149.43 1,027.26	1,543.36
26 22 13 00-0226 EA Containment Area For 1,000 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,444.46 1,027.26	1,543.36
26 22 13 00-0227 Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small> Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,429.41	1,006.69
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,865.43	1,006.69
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,156.10	1,006.69
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,028.13	1,006.69
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,849.46	1,510.03
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,140.13	1,510.03
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,628.24	1,510.03
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	14,928.28	2,013.38
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,707.06	2,013.38
26 22 13 00-0237 Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,574.75	1,006.69
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,156.10	1,006.69
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,301.44	1,006.69
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,446.78	1,006.69
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,849.46	1,510.03
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,430.81	1,510.03
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,628.24	1,510.03
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,073.61	2,013.38
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,707.06	2,013.38
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,329.41	1,357.28
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	10,369.03	1,602.30
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,886.06	1,958.36
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	13,969.98	2,203.37
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	16,574.76	2,319.27
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	20,944.72	3,388.78
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	24,370.24	3,833.87
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	29,953.28	4,406.74
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	32,720.76	4,627.08
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	34,979.89	5,156.07
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	39,562.79	5,508.61
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	34,702.56	3,738.59
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	42,407.14	4,299.40
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	47,863.61	4,525.64
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	51,083.64	5,058.10
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	56,820.76	5,211.37



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 22 13 00-0265	Silicone Filled Distribution Transformers, 3 Phase <small>(26 22 13 00-0209)</small>		
	Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266	EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	14,975.17	1,602.30
26 22 13 00-0267	EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	16,436.57	1,958.36
26 22 13 00-0268	EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	19,129.96	2,203.37
26 22 13 00-0269	EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	22,648.94	2,319.27
26 22 13 00-0270	EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	28,076.92	3,388.78
26 22 13 00-0271	EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	34,940.14	3,833.87
26 22 13 00-0272	EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	42,163.28	4,406.74
26 22 13 00-0273	EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	47,598.39	4,627.08

26 22 13 00-0274	Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0275	EA Single Phase Foam Core Poly Pads.....	138.81	28.71
	Note: Excludes site prep.		

26 24 Switchboards And Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001	Fusible Switch Type 240 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0002	Incoming Service Section Main Device Only <small>(26 24 13 00-0001)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA 400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	2,809.42	719.22
26 24 13 00-0004	EA 600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,106.11	760.75
26 24 13 00-0005	EA 800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	4,978.42	862.96
26 24 13 00-0006	EA 1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,362.35	925.12
26 24 13 00-0007	EA 1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	8,552.19	986.37
26 24 13 00-0008	EA 2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,530.94	1,048.79
26 24 13 00-0009	EA 400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	3,385.53	719.22
26 24 13 00-0010	EA 600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,320.27	760.75
26 24 13 00-0011	EA 800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	6,000.93	863.69
26 24 13 00-0012	EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,182.14	925.12
26 24 13 00-0013	EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,552.19	987.36
26 24 13 00-0014	EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	9,530.94	1,048.79
26 24 13 00-0015	EA 2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,437.04	1,096.47
26 24 13 00-0016	EA 3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	12,959.28	1,174.67
26 24 13 00-0017	EA 4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	15,284.00	1,266.27
26 24 13 00-0018	EA 400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	1,923.02	637.25
26 24 13 00-0019	EA 600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,121.32	678.44
26 24 13 00-0020	EA 800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,430.22	780.97
26 24 13 00-0021	EA 1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,617.73	813.79
26 24 13 00-0022	EA 1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,784.58	843.13
26 24 13 00-0023	EA 1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,048.89	903.98
26 24 13 00-0024	EA 2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,296.00	965.98

26 24 13 00-0025	Branch Breaker Units <small>(26 24 13 00-0001)</small>		
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA 15 - 60 Amp MC Branch Breaker, 240 Volt.....	237.12	25.08
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.05	
26 24 13 00-0027	EA 70 - 100 Amp MC Branch Breaker, 240 Volt.....	347.71	39.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.68	
26 24 13 00-0028	EA 125 - 225 Amp MC Branch Breaker, 240 Volt.....	930.35	71.94
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.17	
26 24 13 00-0029	EA 100 - 400 Amp MC Branch Breaker, 240 Volt.....	1,648.20	93.74
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.24	
26 24 13 00-0030	EA 300 - 600 Amp MC Branch Breaker, 240 Volt.....	2,942.46	230.23
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0031	EA 400 - 800 Amp MC Branch Breaker, 240 Volt.....	4,696.51	230.23
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.12	
26 24 13 00-0032	EA 600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	7,618.26	410.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.18	

26 24 13 00-0033	Fusible Switch Type 480 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0034	Incoming Service Section Main Device Only <small>(26 24 13 00-0033)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA 400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	3,973.93	933.26
26 24 13 00-0036	EA 600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	4,434.05	933.26
26 24 13 00-0037	EA 800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	6,530.03	1,212.82
26 24 13 00-0038	EA 1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	7,392.82	1,212.82

26 24 13 00-0039	Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire <small>(26 24 13)</small>		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,527.13	637.25
26 24 13 00-0042 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,810.57	678.44
26 24 13 00-0043 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,278.98	780.97
26 24 13 00-0044 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,648.47	842.48
26 24 13 00-0045 EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,074.03	637.25
26 24 13 00-0046 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,869.31	678.44
26 24 13 00-0047 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,414.84	780.97
26 24 13 00-0048 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	7,746.38	842.48
26 24 13 00-0049 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	9,089.59	945.59
26 24 13 00-0050 EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,780.72	554.94
26 24 13 00-0051 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,992.84	596.21
26 24 13 00-0052 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,339.31	698.75
26 24 13 00-0053 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,515.97	731.56
26 24 13 00-0054 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,686.64	760.75
26 24 13 00-0055 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,914.18	813.79
26 24 13 00-0056 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,136.44	862.96
26 24 13 00-0057 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,893.07	1,068.92
26 24 13 00-0058 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,355.05	1,171.70
26 24 13 00-0059 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,112.32	1,264.21
26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	128.42	21.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	13.07	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	204.18	36.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	21.71	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	615.32	50.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	30.34	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	1,760.08	64.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	38.97	
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	2,778.75	158.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	94.96	
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	3,942.66	158.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	94.96	
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	6,505.77	302.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	181.33	
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,810.42	719.22
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,104.99	760.75
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,976.96	862.96
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,360.68	925.12
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,548.39	986.37
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,530.94	1,048.79
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,386.53	719.22
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,319.15	760.75
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,000.93	863.69
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,180.47	925.12
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,550.28	987.36
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,530.94	1,048.79
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,014.12	637.25
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,248.48	678.44
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,620.76	780.97
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,817.19	813.79
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,006.82	843.13
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,262.83	903.98
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,522.42	965.98
26 24 13 00-0089 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,176.51	1,097.71
26 24 13 00-0090 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,616.98	1,174.59
26 24 13 00-0091 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,438.90	1,262.16
26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0068)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093 EA 15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	237.12	25.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.05	
26 24 13 00-0094 EA 70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	347.71	39.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.68	
26 24 13 00-0095 EA 125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	930.35	71.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	43.17	
26 24 13 00-0096 EA 100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	1,648.20	93.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	56.24	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0097	EA		300 - 600 Amp MC Branch Breaker, 120/208 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,942.46 138.12	230.23
26 24 13 00-0098	EA		400 - 800 Amp MC Branch Breaker, 120/208 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,696.51 138.12	230.23
26 24 13 00-0099	EA		600 - 1,200 Amp MC Branch Breaker, 120/208 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,618.26 246.18	410.31
26 24 13 00-0100			Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101			Incoming Service Section Main Device Only (26 24 13 00-0100) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA		400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	3,648.52	986.37
26 24 13 00-0103	EA		600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	4,001.20	1,048.79
26 24 13 00-0104	EA		800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	5,658.87	1,170.64
26 24 13 00-0105	EA		1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	6,183.22	1,253.44
26 24 13 00-0106	EA		400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,626.62	986.37
26 24 13 00-0107	EA		600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,193.47	1,048.79
26 24 13 00-0108	EA		800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,015.93	1,171.95
26 24 13 00-0109	EA		1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,837.08	1,253.44
26 24 13 00-0110	EA		1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,248.74	1,336.57
26 24 13 00-0111	EA		2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	10,272.62	1,419.61
26 24 13 00-0112	EA		400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,014.12	637.25
26 24 13 00-0113	EA		600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,248.48	678.44
26 24 13 00-0114	EA		800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,620.76	780.97
26 24 13 00-0115	EA		1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,817.19	813.79
26 24 13 00-0116	EA		1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,006.82	843.13
26 24 13 00-0117	EA		1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,262.83	903.98
26 24 13 00-0118	EA		2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,522.42	965.98
26 24 13 00-0119			Branch Breaker Units (26 24 13 00-0100) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA		15 - 60 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	488.37 15.05	25.08
26 24 13 00-0121	EA		70 - 100 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.90 23.68	39.47
26 24 13 00-0122	EA		125 - 225 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,022.67 43.17	71.94
26 24 13 00-0123	EA		100 - 400 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,648.20 56.24	93.74
26 24 13 00-0124	EA		300 - 600 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,949.78 138.12	230.23
26 24 13 00-0125	EA		400 - 800 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,039.76 138.12	230.23
26 24 13 00-0126	EA		600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,485.90 246.18	410.31
26 24 13 00-0127			Fusible Branch Circuit Switch (26 24 13) Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128			240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0129	EA		30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	506.75 204.29	64.55
26 24 13 00-0130	EA		30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	505.00 204.29	64.55
26 24 13 00-0131	EA		60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	505.00 204.29	64.55
26 24 13 00-0132	EA		60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	791.09 204.29	85.10
26 24 13 00-0133	EA		100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	791.09 204.29	85.10
26 24 13 00-0134			240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0135	EA		100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	578.70 195.71	63.31
26 24 13 00-0136	EA		200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	841.13 195.71	63.31
26 24 13 00-0137	EA		400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,162.68	170.61
26 24 13 00-0138			240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139	EA		30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	648.46 204.29	72.76
26 24 13 00-0140	EA		30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	646.71 204.29	72.76
26 24 13 00-0141	EA		60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	646.71 204.29	72.76
26 24 13 00-0142	EA		60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	973.10 204.29	97.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	973.10 204.29	97.44
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0145 EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	700.41 204.29	71.53
26 24 13 00-0146 EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,128.22 195.71	71.53
26 24 13 00-0147 EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	2,893.07	191.01
26 24 13 00-0148 EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	4,128.88	244.70
26 24 13 00-0149 EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	7,673.63	331.53
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151 EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	913.37 204.29	72.76
26 24 13 00-0152 EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	911.60 204.29	72.76
26 24 13 00-0153 EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	913.37 204.29	72.76
26 24 13 00-0154 EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,372.81 204.29	97.44
26 24 13 00-0155 EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,402.40 204.29	97.44
26 24 13 00-0156 EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,978.72 204.29	127.45
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158 EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	985.73 204.29	71.53
26 24 13 00-0159 EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,490.45 195.71	71.53
26 24 13 00-0160 EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	3,627.83 195.71	191.01
26 24 13 00-0161 EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	4,406.99	244.70
26 24 13 00-0162 EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	7,673.63	331.53
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Type WRI Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165 600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	1,896.83	756.47
26 24 13 00-0167 EA 24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,257.20	756.47
26 24 13 00-0168 EA 34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,513.82	962.03
26 24 13 00-0169 EA 42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,779.46	962.03
26 24 13 00-0170 800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,138.57	875.70
26 24 13 00-0172 EA 24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,488.44	875.70
26 24 13 00-0173 EA 34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,779.46	1,085.37
26 24 13 00-0174 EA 42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,018.09	1,085.37
26 24 13 00-0175 1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,512.73	1,068.92
26 24 13 00-0177 EA 24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,871.58	1,068.92
26 24 13 00-0178 EA 34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,181.23	1,315.60
26 24 13 00-0179 EA 42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,530.83	1,315.60
26 24 13 00-0180 1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,085.63	1,171.70
26 24 13 00-0182 EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,516.32	1,171.70
26 24 13 00-0183 EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,885.07	1,447.16
26 24 13 00-0184 EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,189.61	1,447.16
26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,238.06	1,175.82
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,704.56	1,323.83
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,779.65	1,323.83
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,941.01	1,397.82
26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,418.45	1,323.83

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,492.42	1,323.83
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,653.78	1,397.82
26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,523.87	1,397.82
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,653.78	1,397.82
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,712.05	1,397.82
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	396.14	98.67
26 24 13 00-0200 EA Drilled Bottom	446.81	98.67
26 24 13 00-0201 EA Cable Supports In Pull Box	157.75	24.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
<i>Note: Excludes no bus or terminal.</i>		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	386.29	115.12
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	663.57	148.00
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	663.57	148.00
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	498.74	115.12
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	710.55	168.56
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	812.27	168.56
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	853.10	217.89
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	902.85	217.89
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,086.38	685.19
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,379.62	744.79
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,241.03	951.68
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,637.90	1,038.17
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,945.95	1,105.18
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt	3,639.28	601.07
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp	2,106.93	570.97
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp	2,332.56	619.16
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	2,899.67	685.19
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,151.54	686.99
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,477.55	767.00
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	1,119.51	41.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.11	
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	1,145.62	41.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.66	
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	655.68	49.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.91	
26 24 13 00-0226 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,082.49	106.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.99	
26 24 13 00-0227 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	434.91	148.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.39	
26 24 13 00-0228 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,207.78	85.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.91	
26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V (26 24 13 00-0163)		
26 24 13 00-0230 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	1,600.21	356.85
26 24 13 00-0231 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,272.47	482.58
26 24 13 00-0232 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,556.35	587.33
26 24 13 00-0233 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,236.21	822.25
26 24 13 00-0234 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,011.59	1,027.82
26 24 13 00-0235 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,405.57	1,027.82
26 24 13 00-0236 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,454.08	1,370.44
26 24 13 00-0237 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,209.52	1,370.44
26 24 13 00-0238 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,304.90	1,631.43
26 24 13 00-0239 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,694.98	1,631.43
26 24 13 00-0240 Main Devices (26 24 13)		
26 24 13 00-0241 Power Circuit Breakers (26 24 13 00-0240)		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector (26 24 13 00-0241)		
<i>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</i>		
26 24 13 00-0243 EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	5,558.13	863.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	516.92	
26 24 13 00-0244 EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	10,122.60	1,438.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	862.50	
26 24 13 00-0245 EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	22,675.85	2,417.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,437.50	
26 24 13 00-0246 EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	36,547.72	3,913.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,390.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	1,891.75	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	244.31	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	320.52	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	230.86	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
<small>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</small>		
26 24 13 00-0252 EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	6,497.59	904.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>545.26</i>	
26 24 13 00-0253 EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	12,044.61	1,521.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>908.23</i>	
26 24 13 00-0254 EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	25,449.68	2,507.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,511.49</i>	
26 24 13 00-0255 EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	39,351.63	4,111.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,527.41</i>	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
<small>Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.</small>		
26 24 13 00-0257 EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	4,439.04	789.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>474.38</i>	
26 24 13 00-0258 EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	8,103.32	1,323.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>790.62</i>	
26 24 13 00-0259 EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	12,045.65	2,220.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,317.71</i>	
26 24 13 00-0260 EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	20,769.44	3,576.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,194.62</i>	
26 24 13 00-0261 EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	33,817.71	5,837.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3,649.04</i>	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
<small>Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.</small>		
26 24 13 00-0263 EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	5,210.96	756.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>452.45</i>	
26 24 13 00-0264 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	9,703.42	1,266.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>753.90</i>	
26 24 13 00-0265 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,862.34	2,104.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,258.55</i>	
26 24 13 00-0266 EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	22,883.50	3,428.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,097.58</i>	
26 24 13 00-0267 EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	35,838.70	5,879.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3,503.91</i>	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	1,932.51	690.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>397.86</i>	
26 24 13 00-0270 EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,790.75	690.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>432.76</i>	
26 24 13 00-0271 EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,094.20	822.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>474.38</i>	
26 24 13 00-0272 EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,666.41	822.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>513.91</i>	
26 24 13 00-0273 EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	5,394.05	986.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>563.18</i>	
26 24 13 00-0274 EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	8,649.32	986.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>622.92</i>	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	242.07	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	56.04	
26 24 13 00-0277 Switchboard Branch Breaker 480 V <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278 EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	391.42	59.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>35.75</i>	
26 24 13 00-0279 EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	462.91	79.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>47.44</i>	
26 24 13 00-0280 EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,323.50	119.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>71.46</i>	
26 24 13 00-0281 EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,748.33	149.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>89.63</i>	
26 24 13 00-0282 EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,118.78	200.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>120.21</i>	
26 24 13 00-0283 EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,560.93	256.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>154.17</i>	
26 24 13 00-0284 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,116.13	391.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>234.93</i>	
26 24 13 00-0285 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,116.13	391.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>234.93</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0286	EA		1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,772.97	548.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.90	
26 24 13 00-0287	EA		2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	7,222.46	822.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	493.35	
26 24 13 00-0288			Switchboard 277/480 V Main Breaker <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289	EA		400 Amp, Switchboard 277/480 Volt Main Breaker.....	4,662.84	356.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.13	
26 24 13 00-0290	EA		600 Amp, Switchboard 277/480 Volt Main Breaker.....	4,730.68	390.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.48	
26 24 13 00-0291	EA		800 Amp, Switchboard 277/480 Volt Main Breaker.....	5,123.72	587.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.39	
26 24 13 00-0292	EA		1,200 Amp, Switchboard 277/480 Volt Main Breaker.....	8,738.91	822.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	493.35	
26 24 13 00-0293	EA		1,600 Amp, Switchboard 277/480 Volt Main Breaker.....	8,913.55	909.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	545.74	
26 24 13 00-0294	EA		2,000 Amp, Switchboard 277/480 Volt Main Breaker.....	11,826.37	1,631.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	978.87	
26 24 13 00-0295			Branch Or Distribution Devices <small>(26 24 13)</small>		
26 24 13 00-0296			3 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
			Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA		15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	330.38	29.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 13 00-0298	EA		70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	337.57	37.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 13 00-0299	EA		125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	787.73	44.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 24 13 00-0300	EA		70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,138.41	57.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 13 00-0301	EA		125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,599.62	71.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 13 00-0302	EA		300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,089.72	83.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.50	
26 24 13 00-0303	EA		900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,171.82	93.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.66	
26 24 13 00-0304			2 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
			Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA		15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	228.63	22.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 24 13 00-0306	EA		70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	294.35	29.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 13 00-0307	EA		125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	780.96	37.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 13 00-0308	EA		70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,227.48	41.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13	
26 24 13 00-0309	EA		125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,302.99	53.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.77	
26 24 13 00-0310	EA		900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,928.91	77.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.80	
26 24 13 00-0311			Meter Devices And Instrumentation <small>(26 24 13)</small>		
			Note: Factory installed accessories.		
26 24 13 00-0312			Instrument Transformers And Metering Compartments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313	EA		800 Amp And Below Primary Current Transformer, With Compartment.....	292.50	
26 24 13 00-0314	EA		1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	422.51	
26 24 13 00-0315	EA		2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	497.59	
26 24 13 00-0316	EA		Potential Transformer With 200 VA Max.....	358.63	
26 24 13 00-0317	EA		5 To 800 Amp, Three Current Transformers.....	1,239.51	
26 24 13 00-0318	EA		1,000 To 1,500 Amp, Three Current Transformers.....	2,201.47	
26 24 13 00-0319	EA		2,000 To 4,000 Amp, Three Current Transformers.....	2,864.64	
26 24 13 00-0320			Instruments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321	EA		AC Voltmeter.....	398.97	
26 24 13 00-0322	EA		AC Ammeter.....	398.97	
26 24 13 00-0323	EA		AC Wattmeter.....	1,065.79	
26 24 13 00-0324	EA		Variometer.....	1,203.64	
26 24 13 00-0325	EA		Power Factor Meter.....	961.56	
26 24 13 00-0326	EA		Frequency Meter.....	1,061.31	
26 24 13 00-0327	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,350.45	
26 24 13 00-0328	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	2,259.34	
26 24 13 00-0329	EA		Weatherproof, Modify Meter.....	2,198.08	
26 24 13 00-0330	EA		Control Switch Resistor Type 130 V.....	52.11	
26 24 13 00-0331	EA		Metering Instrument Volt, Amp And Watt Hour.....	2,725.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16				Panelboards <small>(26 24)</small>		
26 24 16 00-0001				Branch Circuit Panelboard <small>(26 24 16)</small> Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing.		
26 24 16 00-0002				Assembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003				120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA			100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity 760.21		234.34
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0005	EA			100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 875.73		234.34
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0006	EA			100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 997.86		324.79
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0007	EA			100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,114.44		324.79
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0008	EA			100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,231.55		407.02
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0009	EA			100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity 1,354.01		407.02
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0010	EA			100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity 1,465.15		468.69
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0011	EA			225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 1,755.03		600.24
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0012	EA			225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 1,871.91		600.24
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0013	EA			225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 2,305.03		686.58
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0014	EA			225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 2,478.25		686.58
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0015	EA			225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 2,585.60		772.91
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0016	EA			225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 2,743.86		772.91
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0017	EA			225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 2,848.78		855.14
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0018	EA			225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,006.94		855.14
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0019	EA			225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,183.44		945.59
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0020	EA			225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity 3,243.93		945.59
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0021	EA			225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity 3,455.54		945.59
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0022				120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA			50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity 825.21		226.12
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0024	EA			50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity 942.50		226.12
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0025	EA			100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity 1,251.58		386.46
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0026	EA			100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity 1,370.78		386.46
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		
26 24 16 00-0027	EA			100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity 1,489.07		472.80
				<i>For Weathertight NEMA 3R Panelboards, Add</i> 348.00		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0028	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,615.80 348.00	472.80
26 24 16 00-0029	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,722.97 348.00	567.35
26 24 16 00-0030	EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,389.05 348.00	567.35
26 24 16 00-0031	EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,496.13 348.00	694.80
26 24 16 00-0032	EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,612.52 348.00	694.80
26 24 16 00-0033	EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,740.10 348.00	781.14
26 24 16 00-0034	EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,843.35 348.00	781.14
26 24 16 00-0035	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,953.51 348.00	855.14
26 24 16 00-0036	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,071.64 348.00	855.14
26 24 16 00-0037	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,199.04 348.00	1,011.37
26 24 16 00-0038	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,337.28 348.00	1,011.37
26 24 16 00-0039	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,488.36 348.00	1,011.37
26 24 16 00-0040	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,581.55 348.00	1,068.92
26 24 16 00-0041		120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,028.19 348.00	267.23
26 24 16 00-0043	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,155.66 348.00	267.23
26 24 16 00-0044	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,300.00 348.00	357.68
26 24 16 00-0045	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,451.20 348.00	357.68
26 24 16 00-0046	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,587.02 348.00	439.90
26 24 16 00-0047	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,732.26 348.00	439.90
26 24 16 00-0048	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,868.86 348.00	522.13
26 24 16 00-0049	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,010.97 348.00	522.13
26 24 16 00-0050	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,142.09 348.00	612.58
26 24 16 00-0051	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,293.07 348.00	612.58
26 24 16 00-0052	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,447.77 348.00	707.14
26 24 16 00-0053	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,598.72 348.00	707.14
26 24 16 00-0054	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,902.99 348.00	855.14
26 24 16 00-0055	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,007.56 348.00	855.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0056 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,183.17 348.00	949.70
26 24 16 00-0057 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,343.89 348.00	949.70
26 24 16 00-0058 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,456.36 348.00	1,036.04
26 24 16 00-0059 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,618.35 348.00	1,036.04
26 24 16 00-0060 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,501.30 348.00	919.27
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,616.62 348.00	966.15
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,800.38 348.00	1,017.54
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,973.59 348.00	1,077.15
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,093.36 348.00	1,110.03
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,288.40 348.00	1,177.88
26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0062)</small>		
26 24 16 00-0067 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,215.38 348.00	259.00
26 24 16 00-0068 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,344.51 348.00	259.00
26 24 16 00-0069 EA 50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,497.33 348.00	341.23
26 24 16 00-0070 EA 50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,706.79 348.00	341.23
26 24 16 00-0071 EA 100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,025.81 348.00	513.91
26 24 16 00-0072 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,158.29 348.00	513.91
26 24 16 00-0073 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,302.20 348.00	600.24
26 24 16 00-0074 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,422.68 348.00	600.24
26 24 16 00-0075 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,583.88 348.00	694.80
26 24 16 00-0076 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,695.30 348.00	694.80
26 24 16 00-0077 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,872.80 348.00	781.14
26 24 16 00-0078 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,024.25 348.00	781.14
26 24 16 00-0079 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,959.60 348.00	904.48
26 24 16 00-0080 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,131.82 348.00	953.81
26 24 16 00-0081 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,203.37 348.00	953.81
26 24 16 00-0082 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,395.78 348.00	1,077.15
26 24 16 00-0083 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,532.73 348.00	1,077.15

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0084 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,618.96 348.00	1,077.15
26 24 16 00-0085 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,678.71 348.00	990.82
26 24 16 00-0086 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,866.17 348.00	1,048.36
26 24 16 00-0087 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,939.93 348.00	1,077.15
26 24 16 00-0088 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,147.06 348.00	1,142.93
26 24 16 00-0089 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,283.02 348.00	1,175.82
26 24 16 00-0090 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,408.43 348.00	1,216.94
26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0092 EA 100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,155.03 348.00	263.12
26 24 16 00-0093 EA 100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,322.66 348.00	263.12
26 24 16 00-0094 EA 100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,483.22 348.00	361.79
26 24 16 00-0095 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,650.82 348.00	361.79
26 24 16 00-0096 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,806.91 348.00	452.24
26 24 16 00-0097 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,971.56 348.00	452.24
26 24 16 00-0098 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,143.53 348.00	546.79
26 24 16 00-0099 EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,300.86 348.00	546.79
26 24 16 00-0100 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,474.15 348.00	649.58
26 24 16 00-0101 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,641.35 348.00	649.58
26 24 16 00-0102 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,794.80 348.00	740.03
26 24 16 00-0103 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,959.44 348.00	740.03
26 24 16 00-0104 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,312.92 348.00	900.36
26 24 16 00-0105 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,477.38 348.00	900.36
26 24 16 00-0106 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,652.68 348.00	986.71
26 24 16 00-0107 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,779.74 348.00	986.71
26 24 16 00-0108 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,975.18 348.00	1,089.48
26 24 16 00-0109 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,113.74 348.00	1,089.48
26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0111 EA 50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,466.52 348.00	279.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0112 EA 50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,630.23	304.24
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0113 EA 50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,795.81	378.23
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0114 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,375.41	460.46
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0115 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,544.42	509.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0116 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,699.00	550.91
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0117 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,868.78	600.24
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0118 EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,032.38	649.58
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0119 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,182.53	690.69
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0120 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,343.21	731.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0121 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,516.61	781.14
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0122 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,705.61	842.81
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0123 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,685.94	937.36
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0124 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,867.39	994.92
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0125 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,997.93	1,019.59
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0126 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,201.38	1,085.37
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0127 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,344.53	1,126.48
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,492.77	1,161.84
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,662.76	287.79
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0131 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,947.31	287.79
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0132 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,226.86	382.34
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0133 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,507.93	382.34
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0134 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,792.10	472.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0135 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,072.28	472.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0136 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,355.56	567.35
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0137 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,638.03	567.35
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0138 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,938.19	666.02
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0139 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,204.47	666.02
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0140 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,480.65 348.00	670.13
26 24 16 00-0141 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,768.76 348.00	670.13
26 24 16 00-0142 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,258.25 348.00	929.15
26 24 16 00-0143 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,547.13 348.00	929.15
26 24 16 00-0144 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,790.23 348.00	978.48
26 24 16 00-0145 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	6,097.59 348.00	1,044.26
26 24 16 00-0146 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	6,351.19 348.00	1,044.26
26 24 16 00-0147 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	6,682.65 348.00	1,142.93
26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149 EA 50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,025.00 348.00	353.57
26 24 16 00-0150 EA 50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,314.11 348.00	353.57
26 24 16 00-0151 EA 50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,595.78 348.00	468.69
26 24 16 00-0152 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,117.36 348.00	468.69
26 24 16 00-0153 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,406.66 348.00	592.03
26 24 16 00-0154 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,695.67 348.00	592.03
26 24 16 00-0155 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,978.49 348.00	678.36
26 24 16 00-0156 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,247.87 348.00	678.36
26 24 16 00-0157 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,527.78 348.00	772.91
26 24 16 00-0158 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,820.41 348.00	772.91
26 24 16 00-0159 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,086.86 348.00	855.14
26 24 16 00-0160 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,361.27 348.00	855.14
26 24 16 00-0161 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,112.90 348.00	1,011.37
26 24 16 00-0162 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,420.26 348.00	1,011.37
26 24 16 00-0163 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,673.86 348.00	1,105.92
26 24 16 00-0164 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	8,005.32 348.00	1,105.92
26 24 16 00-0165 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	8,272.79 348.00	1,208.71
26 24 16 00-0166 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	10,054.59 348.00	1,208.71
26 24 16 00-0167 EA 400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity..... <i>For Weathertight NEMA 3R Panelboards, Add</i>	9,882.85 348.00	1,346.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0168 EA 600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity.....	12,052.86	1,615.72
26 24 16 00-0169 Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).		
26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	442.83	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0173 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	510.05	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0174 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	696.84	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0175 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	804.79	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0176 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	911.14	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,020.04	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,107.85	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,213.67	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,328.45	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,416.21	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,548.12	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	659.43	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	748.03	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,200.32	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,333.82	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,459.73	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,519.60	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,671.68	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,808.46	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	889.70	
For Hinged Door-In-Door With Yale 5116 With Rosette, Add	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	951.82	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,127.97	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,233.79	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,332.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,523.51	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,605.80	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,706.50	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,860.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,945.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,069.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,101.19	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,184.27	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,714.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,837.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,955.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,004.78	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,151.75	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,287.25	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00- 0169)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	499.53	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	587.88	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	662.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	751.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	865.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	958.95	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,105.99	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,192.28	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,287.80	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,423.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,570.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,855.13	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	772.78	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0229 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	871.87	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0230 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,003.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0231 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,483.50	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0232 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,606.91	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0233 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,723.34	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0234 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,380.26	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0235 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,522.10	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0236 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,639.57	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	946.41	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0239 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,029.64	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0240 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,098.78	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0241 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,182.86	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0242 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,294.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0243 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,379.86	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0244 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,609.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0245 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,690.23	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0246 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,780.63	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0247 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,955.76	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0248 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,092.65	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0249 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,377.33	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,214.54	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0252 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,308.10	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0253 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,436.86	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0254 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,997.20	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0255 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,110.39	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0256 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,219.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0257 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,311.63	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0258 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,457.90	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0259 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,582.86	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	713.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0263 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	783.69	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0264 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,083.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0265 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,209.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0266 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.59	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0267 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.42	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0268 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,389.33	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0269 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,509.88	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0270 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,604.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0271 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,719.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0272 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,878.54	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,456.58	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0275 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,502.52	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0276 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,631.57	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0277 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,720.30	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0278 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,899.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0279 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,467.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0280 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,577.94	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,720.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,813.09	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,964.40	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,100.92	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,144.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,215.24	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,505.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,704.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,804.47	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,804.30	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,863.44	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,965.69	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,102.53	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,207.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,344.13	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,980.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,026.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,056.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,141.64	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0302	EA		125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,394.50	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0303	EA		250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,954.56	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0304	EA		250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,052.05	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0305	EA		250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,176.37	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0306	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,268.90	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0307	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,408.53	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0308	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,543.28	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0309			480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0310			Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311	EA		125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	742.15	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0312	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	813.06	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0313	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	941.31	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0314	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,126.26	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0315	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,252.59	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0316	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,360.29	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0317	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,373.69	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0318	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,459.13	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0319	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,578.76	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0320	EA		600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,673.17	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0321	EA		600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,789.20	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0322	EA		600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,948.76	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0323			Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324	EA		100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,605.54	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0325	EA		100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,651.90	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0326	EA		100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,790.37	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0327	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,836.33	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0328	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,925.42	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0329	EA		125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,103.77	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0330	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,707.84	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0331	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,819.43	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0332	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,960.54	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0333	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,100.88	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0334	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,253.61	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0335	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,390.06	
			<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0336				Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA			125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,173.71	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0338	EA			125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,244.61	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0339	EA			125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,366.48	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0340	EA			250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,547.60	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0341	EA			250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,747.98	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0342	EA			250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,847.17	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0343	EA			400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,861.84	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0344	EA			400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,933.24	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0345	EA			400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,034.57	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0346	EA			600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,171.54	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0347	EA			600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,276.93	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0348	EA			600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,413.51	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0349				Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350	EA			100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,026.87	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0351	EA			100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,073.24	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0352	EA			100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,285.76	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0353	EA			125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,261.50	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0354	EA			125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,346.76	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0355	EA			125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,599.16	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0356	EA			250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,194.72	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0357	EA			250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,293.54	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0358	EA			250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,416.35	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0359	EA			400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,556.69	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0360	EA			400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,697.51	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0361	EA			400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,831.83	
				<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0362				600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,285.48	244.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.82	
26 24 16 00-0365 EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,498.80	244.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.78	
26 24 16 00-0366 EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,659.45	244.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.78	
26 24 16 00-0367 EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,912.02	401.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.03	
26 24 16 00-0368 EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,036.36	401.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.03	
26 24 16 00-0369 EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,172.80	401.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.03	
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,363.08	534.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.40	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,482.97	535.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.38	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,531.43	534.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.40	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,925.90	534.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.40	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,830.09	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,098.57	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,318.09	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,586.02	803.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.06	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,449.49	249.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.91	
26 24 16 00-0380 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,208.72	283.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.05	
26 24 16 00-0381 EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,363.87	283.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.05	
26 24 16 00-0382 EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,820.50	283.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.05	
26 24 16 00-0383 EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,997.65	464.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.75	
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,254.29	465.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.50	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,465.29	464.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.75	
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,324.07	621.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	372.66	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,627.22	618.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	371.34	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,929.81	618.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	371.34	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small> Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0390			Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small> <small>Note: Includes connection of electrical wire.</small>		
26 24 16 00-0391	EA		1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	40.33	14.80
			<i>For Bolt-On, Add</i>	10.80	
			<i>For Installation In New Panelboard, Deduct</i>	-8.22	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0392	EA		1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	40.33	14.80
			<i>For Bolt-On, Add</i>	10.80	
			<i>For Installation In New Panelboard, Deduct</i>	-8.22	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0393	EA		1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	58.29	18.50
			<i>For Bolt-On, Add</i>	14.48	
			<i>For Installation In New Panelboard, Deduct</i>	-10.28	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 24 16 00-0394	EA		1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	86.18	18.09
			<i>For Bolt-On, Add</i>	17.68	
			<i>For Installation In New Panelboard, Deduct</i>	-9.87	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 24 16 00-0395	EA		1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	119.95	18.09
			<i>For Bolt-On, Add</i>	21.90	
			<i>For Installation In New Panelboard, Deduct</i>	-9.87	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 24 16 00-0396	EA		1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	139.21	18.09
			<i>For Bolt-On, Add</i>	24.31	
			<i>For Installation In New Panelboard, Deduct</i>	-9.87	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 24 16 00-0397	EA		1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	67.58	18.09
			<i>For Bolt-On, Add</i>	15.35	
			<i>For Installation In New Panelboard, Deduct</i>	-9.87	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 24 16 00-0398	EA		2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	66.51	22.20
			<i>For Bolt-On, Add</i>	16.95	
			<i>For Installation In New Panelboard, Deduct</i>	-12.33	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 24 16 00-0399	EA		2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	66.51	22.20
			<i>For Bolt-On, Add</i>	16.95	
			<i>For Installation In New Panelboard, Deduct</i>	-12.33	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 24 16 00-0400	EA		2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	100.14	29.60
			<i>For Bolt-On, Add</i>	24.03	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0401	EA		2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	165.27	37.00
			<i>For Bolt-On, Add</i>	35.05	
			<i>For Installation In New Panelboard, Deduct</i>	-20.56	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 16 00-0402	EA		2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	194.66	41.11
			<i>For Bolt-On, Add</i>	40.16	
			<i>For Installation In New Panelboard, Deduct</i>	-22.61	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13	
26 24 16 00-0403	EA		2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	164.69	26.31
			<i>For Bolt-On, Add</i>	30.95	
			<i>For Installation In New Panelboard, Deduct</i>	-14.80	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76	
26 24 16 00-0404	EA		2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	219.93	26.31
			<i>For Bolt-On, Add</i>	37.85	
			<i>For Installation In New Panelboard, Deduct</i>	-14.80	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76	
26 24 16 00-0405	EA		3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	125.91	29.60
			<i>For Bolt-On, Add</i>	27.25	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0406	EA		3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	125.91	29.60
			<i>For Bolt-On, Add</i>	27.25	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<small>Note: Also for use with new interiors in panelboards.</small>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0407 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	164.95	37.00
For Bolt-On, Add	35.01	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0408 EA 3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	248.94	44.40
For Bolt-On, Add	48.38	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0409 EA 3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	317.37	51.80
For Bolt-On, Add	59.82	
For Installation In New Panelboard, Deduct	-28.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.54	
26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0411 EA 1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	57.83	14.80
For Bolt-On, Add	12.98	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0412 EA 1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	57.83	14.80
For Bolt-On, Add	12.98	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0413 EA 1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	103.02	18.50
For Bolt-On, Add	20.07	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0414 EA 1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	158.16	18.09
For Bolt-On, Add	26.68	
For Installation In New Panelboard, Deduct	-9.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.84	
26 24 16 00-0415 EA 2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	112.58	22.20
For Bolt-On, Add	22.71	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0416 EA 2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	112.58	22.20
For Bolt-On, Add	22.71	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0417 EA 2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	221.17	29.60
For Bolt-On, Add	39.16	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0418 EA 2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	301.20	37.00
For Bolt-On, Add	52.04	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0419 EA 2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	442.07	41.11
For Bolt-On, Add	71.09	
For Installation In New Panelboard, Deduct	-22.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.13	
26 24 16 00-0420 EA 3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	179.36	29.60
For Bolt-On, Add	33.93	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0421 EA 3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	179.36	29.60
For Bolt-On, Add	33.93	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0422 EA 3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	267.96	37.00
For Bolt-On, Add	47.89	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0423 EA 3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	380.90	44.40
For Bolt-On, Add	64.88	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0424 EA 3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	589.15	51.80
For Bolt-On, Add	93.79	
For Installation In New Panelboard, Deduct	-28.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.54	
26 24 16 00-0425 EA 3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	679.72	55.51
For Bolt-On, Add	106.55	
For Installation In New Panelboard, Deduct	-30.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.00	
26 24 16 00-0426 EA 3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	730.22	59.20
For Bolt-On, Add	114.30	
For Installation In New Panelboard, Deduct	-32.89	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.47	
26 24 16 00-0427 EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	863.82	62.90
For Bolt-On, Add	132.44	
For Installation In New Panelboard, Deduct	-34.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.94	
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0429 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	69.33	14.80
For Bolt-On, Add	14.42	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0430 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	69.33	14.80
For Bolt-On, Add	14.42	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0431 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	114.38	18.50
For Bolt-On, Add	21.49	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0432 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	142.55	22.20
For Bolt-On, Add	26.45	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0433 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	142.55	22.20
For Bolt-On, Add	26.45	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0434 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	249.91	29.60
For Bolt-On, Add	42.75	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0435 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	640.00	37.00
For Bolt-On, Add	94.39	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0436 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	228.82	29.60
For Bolt-On, Add	40.11	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0437 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	228.82	29.60
For Bolt-On, Add	40.11	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	303.96	37.00
For Bolt-On, Add	52.39	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	792.24	44.40
For Bolt-On, Add	116.30	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0441	EA		1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	79.10	14.80
			<i>For Bolt-On, Add</i>	15.64	
			<i>For Installation In New Panelboard, Deduct</i>	-8.22	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0442	EA		1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	79.10	14.80
			<i>For Bolt-On, Add</i>	15.64	
			<i>For Installation In New Panelboard, Deduct</i>	-8.22	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0443	EA		1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	93.25	18.50
			<i>For Bolt-On, Add</i>	18.85	
			<i>For Installation In New Panelboard, Deduct</i>	-10.28	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 24 16 00-0444	EA		1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	156.86	18.09
			<i>For Bolt-On, Add</i>	26.51	
			<i>For Installation In New Panelboard, Deduct</i>	-9.87	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84	
26 24 16 00-0445	EA		2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	168.02	22.20
			<i>For Bolt-On, Add</i>	29.64	
			<i>For Installation In New Panelboard, Deduct</i>	-12.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 24 16 00-0446	EA		2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	168.02	22.20
			<i>For Bolt-On, Add</i>	29.64	
			<i>For Installation In New Panelboard, Deduct</i>	-12.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 24 16 00-0447	EA		2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	203.76	29.60
			<i>For Bolt-On, Add</i>	36.98	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0448	EA		2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	293.76	37.00
			<i>For Bolt-On, Add</i>	51.11	
			<i>For Installation In New Panelboard, Deduct</i>	-20.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 16 00-0449	EA		2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	379.97	41.11
			<i>For Bolt-On, Add</i>	63.32	
			<i>For Installation In New Panelboard, Deduct</i>	-22.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13	
26 24 16 00-0450	EA		2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	474.42	48.10
			<i>For Bolt-On, Add</i>	78.01	
			<i>For Installation In New Panelboard, Deduct</i>	-26.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.07	
26 24 16 00-0451	EA		2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	511.85	55.51
			<i>For Bolt-On, Add</i>	85.57	
			<i>For Installation In New Panelboard, Deduct</i>	-30.84	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.00	
26 24 16 00-0452	EA		3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	204.19	29.60
			<i>For Bolt-On, Add</i>	37.04	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0453	EA		3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	204.19	29.60
			<i>For Bolt-On, Add</i>	37.04	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0454	EA		3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	239.50	37.00
			<i>For Bolt-On, Add</i>	44.33	
			<i>For Installation In New Panelboard, Deduct</i>	-20.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 16 00-0455	EA		3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	364.04	44.40
			<i>For Bolt-On, Add</i>	62.77	
			<i>For Installation In New Panelboard, Deduct</i>	-24.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 24 16 00-0456	EA		3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	477.80	57.56
			<i>For Bolt-On, Add</i>	82.03	
			<i>For Installation In New Panelboard, Deduct</i>	-31.86	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0457	EA		3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	590.35	66.60
			<i>For Bolt-On, Add</i>	99.69	
			<i>For Installation In New Panelboard, Deduct</i>	-37.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0458 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	627.83	70.71
For Bolt-On, Add	105.82	
For Installation In New Panelboard, Deduct	-39.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.87	
26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-		
<small>0389)</small> Note: Includes connection of electrical wire.		
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	174.39	22.20
For Bolt-On, Add	30.43	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	174.39	22.20
For Bolt-On, Add	30.43	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	265.29	29.60
For Bolt-On, Add	44.67	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	431.25	37.00
For Bolt-On, Add	68.30	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	672.10	46.04
For Bolt-On, Add	102.00	
For Installation In New Panelboard, Deduct	-25.70	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.83	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	761.97	48.10
For Bolt-On, Add	113.95	
For Installation In New Panelboard, Deduct	-26.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.07	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	832.50	55.51
For Bolt-On, Add	125.65	
For Installation In New Panelboard, Deduct	-30.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.00	
26 24 16 00-0467 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	250.69	29.60
For Bolt-On, Add	42.85	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	250.69	29.60
For Bolt-On, Add	42.85	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	315.80	37.00
For Bolt-On, Add	53.87	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	536.52	44.40
For Bolt-On, Add	84.33	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	784.36	57.56
For Bolt-On, Add	120.35	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	926.53	66.60
For Bolt-On, Add	141.72	
For Installation In New Panelboard, Deduct	-37.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.40	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	1,002.49	70.71
For Bolt-On, Add	152.65	
For Installation In New Panelboard, Deduct	-39.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.87	
26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-		
<small>0389)</small> Note: Includes connection of electrical wire.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0475	EA		2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	180.71	22.20
			<i>For Bolt-On, Add</i>	31.22	
			<i>For Installation In New Panelboard, Deduct</i>	-12.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 24 16 00-0476	EA		2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	180.71	22.20
			<i>For Bolt-On, Add</i>	31.22	
			<i>For Installation In New Panelboard, Deduct</i>	-12.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 24 16 00-0477	EA		2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	323.68	29.60
			<i>For Bolt-On, Add</i>	51.97	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0478	EA		2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	593.16	37.00
			<i>For Bolt-On, Add</i>	88.54	
			<i>For Installation In New Panelboard, Deduct</i>	-20.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 16 00-0479	EA		2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	939.73	46.04
			<i>For Bolt-On, Add</i>	135.45	
			<i>For Installation In New Panelboard, Deduct</i>	-25.70	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.83	
26 24 16 00-0480	EA		2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,069.77	48.10
			<i>For Bolt-On, Add</i>	152.43	
			<i>For Installation In New Panelboard, Deduct</i>	-26.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.07	
26 24 16 00-0481	EA		2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,164.66	55.51
			<i>For Bolt-On, Add</i>	167.17	
			<i>For Installation In New Panelboard, Deduct</i>	-30.84	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.00	
26 24 16 00-0482	EA		3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	294.48	29.60
			<i>For Bolt-On, Add</i>	48.32	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0483	EA		3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	294.48	29.60
			<i>For Bolt-On, Add</i>	48.32	
			<i>For Installation In New Panelboard, Deduct</i>	-16.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.73	
26 24 16 00-0484	EA		3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	391.71	37.00
			<i>For Bolt-On, Add</i>	63.35	
			<i>For Installation In New Panelboard, Deduct</i>	-20.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 24 16 00-0485	EA		3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	721.52	44.40
			<i>For Bolt-On, Add</i>	107.46	
			<i>For Installation In New Panelboard, Deduct</i>	-24.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 24 16 00-0486	EA		3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	911.53	57.56
			<i>For Bolt-On, Add</i>	136.25	
			<i>For Installation In New Panelboard, Deduct</i>	-31.86	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.24	
26 24 16 00-0487	EA		3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,455.02	66.60
			<i>For Bolt-On, Add</i>	207.78	
			<i>For Installation In New Panelboard, Deduct</i>	-37.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 24 16 00-0488	EA		3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,549.67	70.71
			<i>For Bolt-On, Add</i>	221.05	
			<i>For Installation In New Panelboard, Deduct</i>	-39.06	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.87	
26 24 16 00-0489			Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0490	EA		1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	95.04	14.80
			<i>For Bolt-On, Add</i>	17.64	
			<i>For Installation In New Panelboard, Deduct</i>	-8.22	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0491	EA		1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	95.04	14.80
			<i>For Bolt-On, Add</i>	17.64	
			<i>For Installation In New Panelboard, Deduct</i>	-8.22	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0492 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	164.63	18.50
For Bolt-On, Add	27.77	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0493 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	206.61	22.20
For Bolt-On, Add	34.46	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0494 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	206.61	22.20
For Bolt-On, Add	34.46	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0495 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	377.27	29.60
For Bolt-On, Add	58.67	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	700.21	37.00
For Bolt-On, Add	101.92	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,362.57	46.04
For Bolt-On, Add	188.31	
For Installation In New Panelboard, Deduct	-25.70	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.83	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	341.21	29.60
For Bolt-On, Add	54.16	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	341.21	29.60
For Bolt-On, Add	54.16	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	456.64	37.00
For Bolt-On, Add	71.47	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	862.63	44.40
For Bolt-On, Add	125.10	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,694.13	57.56
For Bolt-On, Add	234.07	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	139.94	14.80
For Bolt-On, Add	23.25	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	139.94	14.80
For Bolt-On, Add	23.25	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	212.39	18.50
For Bolt-On, Add	33.74	
For Installation In New Panelboard, Deduct	-10.28	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	258.57	22.20
For Bolt-On, Add	40.95	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	258.57	22.20
For Bolt-On, Add	40.95	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	489.12	29.60
For Bolt-On, Add	72.65	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	889.99	37.00
For Bolt-On, Add	125.64	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,778.94	41.11
For Bolt-On, Add	238.19	
For Installation In New Panelboard, Deduct	-22.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.13	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	445.33	29.60
For Bolt-On, Add	67.18	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	445.33	29.60
For Bolt-On, Add	67.18	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	617.49	37.00
For Bolt-On, Add	91.58	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,003.75	44.40
For Bolt-On, Add	142.74	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	2,244.16	57.56
For Bolt-On, Add	302.82	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	62.43	14.80
For Bolt-On, Add	13.56	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	132.57	22.20
For Bolt-On, Add	25.20	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	210.79	29.60
For Bolt-On, Add	37.86	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	132.25	14.80
For Bolt-On, Add	22.29	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	132.25	14.80
For Bolt-On, Add	22.29	
For Installation In New Panelboard, Deduct	-8.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	263.34	29.60
For Bolt-On, Add	44.43	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	301.36	22.20
For Bolt-On, Add	46.30	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	301.36	22.20
For Bolt-On, Add	46.30	
For Installation In New Panelboard, Deduct	-12.33	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	585.58	29.60
For Bolt-On, Add	84.71	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	997.04	37.00
For Bolt-On, Add	139.02	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,203.07	46.04
For Bolt-On, Add	293.37	
For Installation In New Panelboard, Deduct	-25.70	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.83	
26 24 16 00-0529 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	506.55	29.60
For Bolt-On, Add	74.83	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0530 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	506.55	29.60
For Bolt-On, Add	74.83	
For Installation In New Panelboard, Deduct	-16.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0531 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	706.37	37.00
For Bolt-On, Add	102.69	
For Installation In New Panelboard, Deduct	-20.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0532 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	1,081.60	44.40
For Bolt-On, Add	152.47	
For Installation In New Panelboard, Deduct	-24.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 24 16 00-0533 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,739.48	57.56
For Bolt-On, Add	364.74	
For Installation In New Panelboard, Deduct	-31.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.24	
26 24 16 00-0534 Residential Lighting And Power Panelboards (26 24 16 00-0001)		
26 24 16 00-0535 Residential Type Unassembled Load Center (26 24 16 00-0534)		
Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536 Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0537 EA 30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	109.14	41.11
26 24 16 00-0538 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	368.89	164.45
26 24 16 00-0539 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	556.07	234.75
26 24 16 00-0540 EA 125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,187.68	493.43
26 24 16 00-0541 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,298.31	534.47
26 24 16 00-0542 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543 EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	150.70	45.22
26 24 16 00-0544 EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	266.36	49.33
26 24 16 00-0545 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0546 EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	153.16	45.22
26 24 16 00-0547 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	170.72	49.33
26 24 16 00-0548 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	605.39	234.75
26 24 16 00-0549 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,373.37	534.47
26 24 16 00-0550 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551 EA 60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	188.23	45.22
26 24 16 00-0552 EA 125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	1,325.03	493.43
26 24 16 00-0553 Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0554 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,421.42	493.43
26 24 16 00-0555 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,542.78	534.47
26 24 16 00-0556 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	5,305.65	822.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0557 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,044.16	493.43
26 24 16 00-0559 EA 150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,229.31	534.47
26 24 16 00-0560 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	5,829.64	822.25
26 24 16 00-0561 Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0562 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,491.12	493.43
26 24 16 00-0563 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,661.79	534.47
26 24 16 00-0564 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,159.75	493.43
26 24 16 00-0566 EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,241.86	534.47
26 24 16 00-0567 Residential Type Assembled Load Center <small>(26 24 16 00-0534)</small>		
26 24 16 00-0568 Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569 EA 100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	556.39	234.75
26 24 16 00-0570 EA 100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	676.05	274.22
26 24 16 00-0571 EA 100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	568.18	234.75
26 24 16 00-0572 EA 100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	679.27	274.22
26 24 16 00-0573 EA 200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	981.92	365.49
26 24 16 00-0574 EA 200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,159.34	438.67
26 24 16 00-0575 EA 200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,326.28	506.09
26 24 16 00-0576 EA 200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,460.30	547.87
26 24 16 00-0577 EA 200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,185.96	822.25
26 24 16 00-0578 EA 200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,023.73	365.49
26 24 16 00-0579 EA 200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,199.01	438.67
26 24 16 00-0580 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,365.95	506.09
26 24 16 00-0581 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,497.83	547.87
26 24 16 00-0582 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,309.27	822.25
26 24 16 00-0583 EA 400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,679.62	913.60
26 24 16 00-0584 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,808.29	913.60
26 24 16 00-0585 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586 EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	736.10	274.22
26 24 16 00-0587 EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,097.81	411.13
26 24 16 00-0588 EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	771.48	274.22
26 24 16 00-0589 EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,129.97	411.13
26 24 16 00-0590 EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,387.39	506.09
26 24 16 00-0591 EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,514.49	548.20
26 24 16 00-0592 EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,852.12	658.04
26 24 16 00-0593 EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,228.85	822.25
26 24 16 00-0594 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,424.92	506.09
26 24 16 00-0595 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,556.80	547.87
26 24 16 00-0596 EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,996.03	657.55
26 24 16 00-0597 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,373.60	822.25
26 24 16 00-0598 EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,711.79	913.60
26 24 16 00-0599 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,840.45	913.60
26 24 16 00-0600 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0601 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	731.81	274.22
26 24 16 00-0602 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,082.80	411.13
26 24 16 00-0603 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,247.26	438.67
26 24 16 00-0604 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,430.78	506.34
26 24 16 00-0605 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,573.46	548.20
26 24 16 00-0606 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,083.92	730.98
26 24 16 00-0607 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,257.98	438.67
26 24 16 00-0608 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,451.72	506.09
26 24 16 00-0609 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,578.24	547.87
26 24 16 00-0610 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,024.95	730.98
26 24 16 00-0611 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,783.99	913.60
26 24 16 00-0612 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,998.44	913.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0613 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0614 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,873.68	548.20
26 24 16 00-0615 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,571.96	822.25
26 24 16 00-0616 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,937.43	547.87
26 24 16 00-0617 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,636.29	822.25
26 24 16 00-0618 Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		
26 24 16 00-0619 Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0618)</small> Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0620 EA 1 Pole Midget Finger-Safe Fuse Holder.....	47.06	14.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0621 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	53.78	14.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0622 EA 2 Pole Midget Finger-Safe Fuse Holder.....	74.86	22.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0623 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	92.38	22.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 24 16 00-0624 EA 3 Pole Midget Finger-Safe Fuse Holder.....	108.10	29.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0625 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	131.37	29.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0626 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	150.85	29.60
Note: With indicators.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0627 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	125.03	29.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 24 16 00-0628 EA 4 Pole Midget Finger-Safe Fuse Holder.....	135.97	37.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0629 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	161.53	37.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 24 16 00-0630 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	53.80	14.80
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0631 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder	57.37	14.80
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0632 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	54.46	14.80
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0633 Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small> Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0634 EA Remove And Reinstall Panelboards With Breakers, Up To 42 Circuit Capacity	1,032.14	
Note: Includes removal and reinstallation of main wiring to panelboard.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	308.35	
26 24 16 00-0635 EA Remove And Reinstall Breaker, 1-2-3 Pole, Any Amperage.....	54.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.04	
26 24 16 00-0636 EA Panelboard Filler Plate, Fits 1" Opening.....	3.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	
26 24 19 Motor-Control Centers <small>(26 24)</small>		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	1,908.14	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,263.19	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	3,379.44	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	6,143.67	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	12,401.44	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	20,877.66	150.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.21	
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	1,908.14	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,263.19	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0012	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,379.44 49.61	82.68
26 24 19 00-0013	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,143.67 58.64	97.72
26 24 19 00-0014	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,401.44 67.66	112.76
26 24 19 00-0015	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,877.66 90.21	150.34
26 24 19 00-0016			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,776.01 45.10	75.17
26 24 19 00-0018	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,706.57 47.36	78.93
26 24 19 00-0019	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,322.95 49.61	82.68
26 24 19 00-0020	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,328.31 58.64	97.72
26 24 19 00-0021	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,386.43 67.66	112.76
26 24 19 00-0022	EA		230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,700.29 90.21	150.34
26 24 19 00-0023			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,776.01 45.10	75.17
26 24 19 00-0025	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,706.57 47.36	78.93
26 24 19 00-0026	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,322.95 49.61	82.68
26 24 19 00-0027	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,328.31 58.64	97.72
26 24 19 00-0028	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,386.43 67.66	112.76
26 24 19 00-0029	EA		480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,700.29 90.21	150.34
26 24 19 00-0030			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,368.18 72.16	120.27
26 24 19 00-0032	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,644.57 76.67	127.79
26 24 19 00-0033	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,855.02 81.18	135.31
26 24 19 00-0034	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,278.18 92.46	154.10
26 24 19 00-0035	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,364.12 108.25	180.41
26 24 19 00-0036			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,368.18 72.16	120.27
26 24 19 00-0038	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,644.57 76.67	127.79
26 24 19 00-0039	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,855.02 81.18	135.31
26 24 19 00-0040	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,278.18 92.46	154.10
26 24 19 00-0041	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,364.12 108.25	180.41
26 24 19 00-0042			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,910.50 45.10	75.17
26 24 19 00-0044	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,830.28 47.36	78.93
26 24 19 00-0045	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,989.08 49.61	82.68
26 24 19 00-0046	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,026.46 58.64	97.72
26 24 19 00-0047	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,052.00 67.66	112.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,910.50	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	5,830.28	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	7,989.08	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	15,026.46	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,052.00	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	5,793.51	78.93
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	8,881.02	86.44
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	14,984.17	97.72
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	23,190.97	112.76
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	39,687.63	150.34
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	5,793.51	78.93
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	8,881.02	86.44
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	14,984.17	97.72
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	23,190.97	112.76
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	39,687.63	150.34
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	3,936.34	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	5,090.03	139.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.44	
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	8,977.70	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	15,324.54	187.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.76	
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	21,058.09	240.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.34	
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	3,936.34	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	5,090.03	139.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.44	
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	8,977.70	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	15,324.54	187.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.76	
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	21,058.09	240.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.34	
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	16,387.10	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	17,379.13	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	19,189.23	139.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.44	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	29,071.09	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	39,654.31	187.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.76	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	53,818.33	240.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.34	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	16,387.10	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	17,379.13	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	19,189.23	139.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.44	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	29,071.09	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	39,654.31	187.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.76	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	53,818.33	240.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.34	
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	2,560.88	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	2,915.93	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	4,521.28	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	8,348.28	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	14,964.59	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	24,402.46	150.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.21	
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	2,560.88	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	2,915.93	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	4,521.28	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	8,348.28	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	14,964.59	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	24,402.46	150.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.21	
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,423.24	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	4,346.44	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,439.05	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,503.50	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	20,898.10	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,423.24	75.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10	
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	4,346.44	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,439.05	82.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.61	
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,503.50	97.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.64	
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	20,898.10	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,004.37	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	5,271.57	127.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.67	
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	7,952.73	135.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.18	
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	14,427.63	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,855.57	180.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.25	
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,004.37	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	5,271.57	127.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.67	
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	7,952.73	135.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.18	
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	14,427.63	154.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	22,855.57	180.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.25	
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,621.87	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,528.92	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,171.47	127.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.67	
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,247.88	146.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.95	
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,614.09	172.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.74	
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,621.87	112.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.66	
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,528.92	120.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.16	
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,171.47	127.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.67	
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,247.88	146.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.95	
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,614.09	172.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.74	
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	6,411.31	78.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.36	
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	10,337.27	86.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.87	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	17,486.65	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	26,302.48	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	43,616.95	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	6,411.31	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	10,337.27	86.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87	
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	17,486.65	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	26,502.48	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	43,616.95	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit.....	4,572.53	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.16	
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit.....	5,713.35	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.44	
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit.....	10,068.06	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.46	
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit.....	17,858.28	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit.....	26,357.24	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.34	
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit.....	4,572.53	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.16	
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit.....	5,713.35	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.44	
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit.....	10,068.06	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.46	
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit.....	17,858.28	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit.....	26,357.24	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.34	
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	16,914.81	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	17,901.32	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.16	
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	19,693.04	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.44	
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	29,488.48	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.46	
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	39,977.92	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	56,037.65	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.34	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	16,914.84	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	17,901.32	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.16	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	19,693.04	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	29,488.48	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.46	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	39,977.92	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	56,037.65	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.34	
26 24 19 00-0181 Combination Starters With Fusible Switch <small>(26 24 19)</small>		
<small>Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.</small>		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
<small>Note: 1-Speed non-reversing.</small>		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,694.85	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,345.93	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,971.50	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,020.73	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,412.21	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,372.02	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
<small>Note: 1-Speed non-reversing.</small>		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,694.85	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,345.93	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,971.50	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,020.73	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,412.21	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,372.02	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
<small>Note: 1-Speed reversing.</small>		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,752.11	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,111.09	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,591.66	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,755.14	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,558.75	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,160.78	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
<small>Note: 1-Speed reversing.</small>		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,752.11	75.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,111.09	78.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.36	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,591.66	82.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,755.14	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,558.75	112.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.66	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,160.78	150.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
<small>Note: 2-Speed non-reversing, 2 wind.</small>		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,213.73	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.16	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0212	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 4,431.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 76.67	4,431.28	127.79
26 24 19 00-0213	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 6,992.92 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 81.18	6,992.92	135.31
26 24 19 00-0214	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 12,517.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 92.46	12,517.21	154.10
26 24 19 00-0215	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 19,961.45 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 108.25	19,961.45	180.41
26 24 19 00-0216			480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 3,213.73 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 72.16	3,213.73	120.27
26 24 19 00-0218	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 4,431.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 76.67	4,431.28	127.79
26 24 19 00-0219	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 6,992.92 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 81.18	6,992.92	135.31
26 24 19 00-0220	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 12,517.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 92.46	12,517.21	154.10
26 24 19 00-0221	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 19,961.45 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 108.25	19,961.45	180.41
26 24 19 00-0222			230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 3,686.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.10	3,686.17	75.17
26 24 19 00-0224	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 5,631.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.36	5,631.70	78.93
26 24 19 00-0225	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 8,117.79 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.61	8,117.79	82.68
26 24 19 00-0226	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 16,383.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.64	16,383.43	97.72
26 24 19 00-0227			480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 3,686.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.10	3,686.17	75.17
26 24 19 00-0229	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 5,631.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.36	5,631.70	78.93
26 24 19 00-0230	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 8,117.79 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.61	8,117.79	82.68
26 24 19 00-0231	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 16,383.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.64	16,383.43	97.72
26 24 19 00-0232			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 5,593.09 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.36	5,593.09	78.93
26 24 19 00-0234	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 9,890.47 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.87	9,890.47	86.44
26 24 19 00-0235	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 16,491.91 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.64	16,491.91	97.72
26 24 19 00-0236	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 22,025.23 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 67.66	22,025.23	112.76
26 24 19 00-0237	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 37,014.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 90.21	37,014.15	150.34
26 24 19 00-0238			480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 5,593.09 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.36	5,593.09	78.93
26 24 19 00-0240	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 9,890.47 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.87	9,890.47	86.44
26 24 19 00-0241	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 16,491.91 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.64	16,491.91	97.72
26 24 19 00-0242	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 22,025.23 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 67.66	22,025.23	112.76
26 24 19 00-0243	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 37,014.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 90.21	37,014.15	150.34
26 24 19 00-0244			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 3,960.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 72.16	3,960.24	120.27
26 24 19 00-0246	EA		25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 5,248.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 83.44	5,248.15	139.07
26 24 19 00-0247	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 8,374.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 92.46	8,374.61	154.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,727.47 112.76	187.93
26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,960.24 72.16	120.27
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,248.15 83.44	139.07
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,374.61 92.46	154.10
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,727.47 112.76	187.93
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,385.26 58.64	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,379.13 72.16	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,189.23 83.44	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,071.09 92.46	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,654.31 112.76	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,818.33 144.34	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,385.26 58.64	97.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,379.13 72.16	120.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,189.23 83.44	139.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,071.09 92.46	154.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,654.31 112.76	187.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,818.33 144.34	240.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0268 Starter Accessories <small>(26 24 19)</small>		
26 24 19 00-0269 Starter Modifications <small>(26 24 19 00-0268)</small>		
26 24 19 00-0270 EA Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	90.94	
26 24 19 00-0271 EA Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	286.84	
26 24 19 00-0272 EA Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	410.03	
26 24 19 00-0273 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	102.97	
26 24 19 00-0274 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	145.26	
26 24 19 00-0275 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	244.55	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter	60.68	
26 24 19 00-0277 EA N.O. Overload Relay Alarm	51.48	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary	38.26	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	47.30	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	92.51	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	47.30	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V	54.25	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer	65.38	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To	77.21	
26 24 19 00-0285 EA Blank Devices Panel.....	14.61	
26 24 19 00-0286 EA Oversize Or Special Color Starter.....	22.95	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer	213.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non Resettable.....	195.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable.....	271.27	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	22.95	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	32.69	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard.....	22.95	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	32.69	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility.....	32.69	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	47.30	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay.....	117.55	
26 24 19 00-0297	EA	Heater Module.....	38.47	
26 24 19 00-0298	EA	LAM - Long Acceleration Module.....	239.01	
26 24 19 00-0299	EA	JAM - Jam Protection Module.....	273.99	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module.....	519.99	
26 24 19 00-0301	EA	ULM - Underload Module.....	249.50	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer.....	54.80	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit.....	102.60	
26 24 19 00-0304	EA	Type SIS Control Wire.....	43.14	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control.....	54.80	
26 24 19 00-0306	EA	Ring Terminals Power.....	54.80	
26 24 19 00-0307	EA	14 Gauge Control Wire.....	43.14	
26 24 19 00-0308	EA	Wiremakers.....	54.80	
26 24 19 00-0309	EA	Wiring Diagram On Door.....	32.65	
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....	39.64	
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....	311.30	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	994.52	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,119.27	

26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA	Control Relays, 600 Volt, 2 Pole.....	348.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 24 19 00-0316	EA	Control Relays, 600 Volt, 4 Pole.....	412.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28	
26 24 19 00-0317	EA	Control Relays, 600 Volt, 6 Pole.....	484.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.04	
26 24 19 00-0318	EA	Control Relays, 600 Volt, 8 Pole.....	539.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55	
26 24 19 00-0319	EA	Control Relays, Pneumatic Timer.....	459.66	
26 24 19 00-0320	EA	Control Relays, Motor Driven Timer.....	1,197.81	
26 24 19 00-0321	EA	Control Relays, 7 Day Time Switch.....	1,507.61	
26 24 19 00-0322	EA	Control Relays, 24 Hour Time Switch.....	422.76	
26 24 19 00-0323	EA	Control Relays, Phase Voltage.....	719.13	
26 24 19 00-0324	EA	Control Relays, Two Circuit Alternator.....	1,006.56	
26 24 19 00-0325	EA	Control Relays, Manual 120 Volt.....	98.42	
26 24 19 00-0326	EA	Control Relays, Over-Current Relay.....	2,224.54	
26 24 19 00-0327	EA	Control Relays, UV-Relay.....	1,884.10	
26 24 19 00-0328	EA	Control Relays, Over-Current Relay.....	1,884.10	
26 24 19 00-0329	EA	Control Relays, Teleductor.....	741.50	
26 24 19 00-0330	EA	Control Relays, Current Transducer.....	1,994.11	
26 24 19 00-0331	EA	Control Relays, Watt Transducer.....	3,988.23	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	135.33	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	202.43	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	228.15	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	253.88	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	228.15	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	253.88	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	267.30	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

26 24 19 00-0340	EA	Circuit Breaker, Shunt Trip.....	290.13	
26 24 19 00-0341	EA	Circuit Breaker, Auxiliary Switch.....	100.21	
26 24 19 00-0342	EA	Circuit Breaker, Key Interlock.....	360.44	
26 24 19 00-0343	EA	Circuit Breaker, GFR Ground Fault.....	1,661.58	
26 24 19 00-0344	EA	Circuit Breaker, Seltronic Breaker.....	962.52	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	904.33	48.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	1,563.81	75.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	1,501.13	48.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	2,159.36	75.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	2,767.46	75.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	1,724.54	97.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.64	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	2,782.41	105.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.16	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0353	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,669.11 81.15		135.31
26 24 19 00-0354	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,329.84 124.07		206.73
26 24 19 00-0355	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,137.59 187.33		311.96
26 24 19 00-0356	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,376.55 247.85		413.44
26 24 19 00-0357	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,959.32 310.92		518.68
26 24 19 00-0358	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,223.63 361.13		601.30
26 24 19 00-0359	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,084.00 29.31		48.87
26 24 19 00-0360	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,738.45 45.10		75.17
26 24 19 00-0361	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,084.00 29.31		48.87
26 24 19 00-0362	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,738.45 45.10		75.17
26 24 19 00-0363	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,834.08 29.31		48.87
26 24 19 00-0364	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,513.66 45.10		75.17
26 24 19 00-0365	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,114.23 45.10		75.17
26 24 19 00-0366	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,651.76 45.10		75.17
26 24 19 00-0367	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,189.12 124.07		206.73
26 24 19 00-0368	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,189.12 124.07		206.73
26 24 19 00-0369	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,627.29 135.25		225.51
26 24 19 00-0370	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,021.66 157.79		263.10
26 24 19 00-0371	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,082.52 187.33		311.96
26 24 19 00-0372	Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)			
26 24 19 00-0373	EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	973.47		75.17
26 24 19 00-0374	EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,485.30		75.17
26 24 19 00-0375	EA Incoming Line And Feeder Fusible Switches, 100 Amps	1,567.48		93.96
26 24 19 00-0376	EA Incoming Line And Feeder Fusible Switches, 200 Amps	2,536.11		112.76
26 24 19 00-0377	EA Incoming Line And Feeder Fusible Switches, 400 Amps	4,973.43		142.83
26 24 19 00-0378	EA Incoming Line And Feeder Fusible Switches, 600 Amps	6,972.05		187.93
26 24 19 00-0379	EA Incoming Line And Feeder Fusible Switches, 800 Amps	16,890.78		251.82
26 24 19 00-0380	EA Incoming Line And Feeder Fusible Switches, 1,200 Amps	19,078.10		349.55
26 24 19 00-0381	Dry Type Distribution Transformers (26 24 19 00-0268)			
26 24 19 00-0382	EA 500 VA, Phase 1, Dry Type Distribution Transformers	856.88		
26 24 19 00-0383	EA 750 VA, Phase 1, Dry Type Distribution Transformers	884.52		
26 24 19 00-0384	EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	913.42		
26 24 19 00-0385	EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	1,047.85		
26 24 19 00-0386	EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	1,135.80		
26 24 19 00-0387	EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	1,251.02		
26 24 19 00-0388	EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	1,545.40		
26 24 19 00-0389	EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	1,741.40		
26 24 19 00-0390	EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	4,048.18		
26 24 19 00-0391	EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	2,148.48		
26 24 19 00-0392	EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	2,976.46		
26 24 19 00-0393	EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	4,638.70		
26 24 19 00-0394	EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	4,295.70		
26 24 19 00-0395	EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	5,952.91		
26 24 19 00-0396	EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	5,981.09		
26 24 19 00-0397	EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	8,284.91		
26 24 19 00-0398	Metering Equipment (26 24 19 00-0268)			
26 24 19 00-0399	EA Metering Equipment, Voltmeter, Panel Type	223.97		
26 24 19 00-0400	EA Metering Equipment, Voltmeter, Switchboard Type	489.67		
26 24 19 00-0401	EA Metering Equipment, Ammeter, Panel	201.71		
26 24 19 00-0402	EA Metering Equipment, Ammeter, Switchboard Type	489.67		
26 24 19 00-0403	EA Metering Equipment, Voltmeter/Ammeter, Switch	271.96		
26 24 19 00-0404	EA Metering Equipment, Control Switch, 4 Circuits	288.66		
26 24 19 00-0405	EA Add For Additional Circuits	64.12		
26 24 19 00-0406	EA Metering Equipment, Indicating Wattmeter	1,009.95		
26 24 19 00-0407	EA Metering Equipment, Indicating Power Factor	1,057.94		
26 24 19 00-0408	EA Metering Equipment, Integrating Watt-hour	932.74		
26 24 19 00-0409	EA Add For Demand Attachment	419.73		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp	278.92	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp	481.32	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp	560.62	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	467.41	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester.....	502.89	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	384.64	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps	15,507.98	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps	22,584.14	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps	29,676.62	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps	45,173.30	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	399.00	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	551.61	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	704.22	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	856.84	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29	
26 24 19 00-0438 EA Bus Duct Transition Pull Box	1,126.23	
26 24 19 00-0439 EA Throat And Transition To Substation	2,174.18	
26 24 19 00-0440 EA Service Entrance Label.....	470.85	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition.....	984.20	
26 24 19 00-0442 EA 600 Ampere Sub Feed Lugs On Main Bus	278.65	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width.....	310.92	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	310.92	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth.....	961.83	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth.....	1,084.85	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space.....	92.83	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof.....	250.52	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	52.56	
26 24 19 00-0451 EA Standard Structure 150 Watt Space	225.92	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control	339.28	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High	225.92	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	219.19	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted.....	3,126.95	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back	3,614.30	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	3,617.80	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps.....	451.01	225.51
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps.....	676.51	338.28
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps.....	751.72	375.85
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps.....	902.14	451.03
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	75.17	37.59
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps.....	451.01	225.51
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps.....	676.51	338.28
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps.....	751.72	375.85
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps.....	902.14	451.03
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	75.17	37.59
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps.....	526.21	263.10
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps.....	676.51	338.28
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps.....	902.14	451.03
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	1,052.27	526.12
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps	112.75	56.38
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	601.38	300.69
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	826.96	413.44
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	1,052.27	526.12
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,202.54	601.30
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps	150.34	75.17
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	601.38	300.69
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	902.14	451.03
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	1,127.45	563.71



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0482	EA			Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,278.00	639.04
26 24 19 00-0483	EA			Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	150.34	75.17
26 24 19 00-0484				Motor Control Centers (26 24 19)		
26 24 19 00-0485				2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	9,693.47	150.34
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0487	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	9,693.47	150.34
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0488	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	9,693.47	150.34
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0489	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	9,731.07	169.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.49	
26 24 19 00-0490	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	10,337.36	187.93
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0491	EA			2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	10,374.94	206.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.03	
26 24 19 00-0492	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	10,412.52	225.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.30	
26 24 19 00-0493	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	10,487.72	263.10
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.86	
26 24 19 00-0494	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	10,562.89	300.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.41	
26 24 19 00-0495	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	17,727.13	338.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.95	
26 24 19 00-0496	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	19,031.73	375.85
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.52	
26 24 19 00-0497	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	14,355.96	150.34
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0498	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	14,957.60	161.62
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.98	
26 24 19 00-0499	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	16,990.30	176.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.99	
26 24 19 00-0500	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	18,908.63	187.93
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0501	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp.....	20,577.35	217.99
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.81	
26 24 19 00-0502	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp.....	22,543.41	233.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.82	
26 24 19 00-0503	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp.....	24,508.29	248.06
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.83	
26 24 19 00-0504	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp.....	26,841.02	270.62
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.38	
26 24 19 00-0505	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp.....	31,229.30	300.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.41	
26 24 19 00-0506	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp.....	33,832.56	319.48
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.70	
26 24 19 00-0507	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	51,627.82	375.85
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.52	
26 24 19 00-0508	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	55,012.08	413.44
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.09	
26 24 19 00-0509	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	57,959.67	451.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.64	
26 24 19 00-0510	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	63,111.05	488.70
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.22	
26 24 19 00-0511	EA			2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	13,548.24	150.34
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21	
26 24 19 00-0512	EA			2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	13,585.84	169.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.49	
26 24 19 00-0513	EA			2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	13,623.40	187.93
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0514	EA			2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	13,660.98	206.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.03	
26 24 19 00-0515	EA			2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	13,700.86	225.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.30	
26 24 19 00-0516	EA			2,400V CL 14-202, Synchronous Motor Control, 1,250 Hp.....	13,738.49	244.31
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.59	
26 24 19 00-0517	EA			2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp.....	13,776.06	263.10
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.86	
26 24 19 00-0518	EA			2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp.....	13,926.36	338.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.95	
26 24 19 00-0519	EA			2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp.....	23,656.31	375.85
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.52	
26 24 19 00-0520	EA			2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp.....	23,731.55	413.44
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.09	
26 24 19 00-0521	EA			2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp.....	25,029.22	451.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.64	
26 24 19 00-0522	EA			Add For Reversing Starters, 100 To 700 Hp.....	5,332.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	
26 24 19 00-0523	EA			Add For Reversing Starters, 1,000 To 1,500 Hp.....	5,493.02	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.10	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,394.15 45.10	
26 24	19 00-0525		4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24	19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,573.38 135.30	225.51
26 24	19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,611.01 146.59	244.31
26 24	19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,648.58 157.86	263.10
26 24	19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,686.19 169.15	281.89
26 24	19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,286.74 180.41	300.69
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,324.37 191.70	319.48
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,361.87 202.95	338.28
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,399.53 214.25	357.06
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,437.08 225.52	375.85
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,320.60 293.22	488.70
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,395.47 315.68	526.12
26 24	19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,694.30 338.24	563.71
26 24	19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,769.39 360.76	601.30
26 24	19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,669.43 135.30	225.51
26 24	19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,867.92 146.59	244.31
26 24	19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,329.80 157.86	263.10
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,257.46 169.15	281.89
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,903.56 180.41	300.69
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,877.20 191.70	319.48
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,730.06 202.95	338.28
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,174.80 214.25	357.06
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,463.51 225.52	375.85
26 24	19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,380.42 236.80	394.65
26 24	19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,334.91 259.35	432.24
26 24	19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,772.72 270.64	451.03
26 24	19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,072.53 281.89	469.83
26 24	19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,287.18 293.22	488.70
26 24	19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,720.17 360.76	601.30
26 24	19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79,746.46 383.40	639.04
26 24	19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95,820.81 405.91	676.54
26 24	19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101,341.58 405.91	676.54
26 24	19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,501.05 157.86	263.10
26 24	19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,538.66 169.15	281.89
26 24	19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,576.22 180.41	300.69
26 24	19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,613.85 191.70	319.48
26 24	19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,862.36 202.95	338.28
26 24	19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,900.02 214.25	357.06
26 24	19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,937.57 225.52	375.85
26 24	19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,975.17 236.80	394.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,012.81 248.09	413.44
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,238.12 315.68	526.12
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,128.90 338.24	563.71
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,421.89 360.76	601.30
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,421.89 360.76	601.30
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,442.91 45.10	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,700.33 45.10	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,343.06 45.10	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amp	10,965.19	150.34
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	13,158.31	225.51
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant	4,341.19	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters	177.81	11.28
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused	1,257.68	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	674.81	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,009.71	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each	128.71	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each	426.58	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light	128.71	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light	389.81	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type	1,037.03	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type	1,037.03	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter	3,101.90	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,138.42	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter	412.36	11.28
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection	2,984.00	37.59
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection	5,722.87	18.79
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection	1,604.78	18.79
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters	2,579.38	11.28
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism	3,726.94	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay	421.88	37.59
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay	304.44	37.59
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	801.35	225.30
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,392.38	398.79
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	1,672.61	510.62
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,679.27	822.25
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,143.33	904.48
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,020.89	1,003.14
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	4,681.69	1,175.82
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	7,937.02	1,369.87
26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607 EA 600 Amp Incoming Section, Main Lugs	660.22	287.79
26 24 19 00-0608 EA 800 Amp Incoming Section, Main Lugs	718.43	287.79
26 24 19 00-0609 EA 1,200 Amp Incoming Section, Main Lugs	1,013.64	452.24
26 24 19 00-0610 EA 2,000 Amp Incoming Section, Main Lugs	2,417.86	822.25
26 24 19 00-0611 EA 3,000 Amp Incoming Section, Main Lugs	3,666.87	1,192.26
26 24 19 00-0612 EA 4,000 Amp Incoming Section, Main Lugs	5,216.14	1,644.50
26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614 EA 225 Amp, Main Circuit Breaker Section	4,080.07	397.89
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00
26 24 19 00-0615 EA 400 Amp, Main Circuit Breaker Section	8,574.84	511.11
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0616	EA	600 Amp, Main Circuit Breaker Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	8,971.85 182.00 334.00 97.00 245.00 108.00	796.11
26 24	19 00-0617	EA	800 Amp, Main Circuit Breaker Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	12,661.10 182.00 334.00 97.00 245.00 108.00	796.11
26 24	19 00-0618	EA	1,200 Amp, Main Circuit Breaker Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	18,260.50 182.00 334.00 97.00 245.00 108.00	900.77
26 24	19 00-0619		Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small> Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24	19 00-0620	EA	200 Amp, Fusible Main Disconnect Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	3,556.43 182.00 334.00 97.00 245.00 108.00	398.38
26 24	19 00-0621	EA	400 Amp, Fusible Main Disconnect Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	4,900.45 182.00 334.00 97.00 245.00 108.00	511.35
26 24	19 00-0622	EA	600 Amp, Fusible Main Disconnect Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	9,521.35 182.00 334.00 97.00 245.00 108.00	796.76
26 24	19 00-0623	EA	800 Amp, Fusible Main Disconnect Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	11,034.75 182.00 334.00 97.00 245.00 108.00	796.76
26 24	19 00-0624	EA	1,200 Amp, Fusible Main Disconnect Section <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	15,484.10 182.00 334.00 97.00 245.00 108.00	901.59
26 24	19 00-0625		Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24	19 00-0626		Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24	19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	660.21 95.17	166.92
26 24	19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	765.42 105.42	166.92
26 24	19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,105.63 141.77	236.80
26 24	19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,778.91 186.88	311.63
26 24	19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,137.47 233.60	389.75
26 24	19 00-0632		Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24	19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	621.01 82.23	145.54
26 24	19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	722.69 92.60	145.54
26 24	19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,054.74 126.50	210.49
26 24	19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,727.00 171.30	285.32
26 24	19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,095.60 221.03	364.26
26 24	19 00-0638		Class I, Type C <small>(26 24 19 00-0625)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	648.31 74.48	134.84
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	757.52 87.47	134.84
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,120.96 120.92	201.45
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,797.90 167.12	278.74
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,159.94 214.13	357.68
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	670.75 112.95	199.81
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	910.38 126.11	199.81
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,279.46 159.35	266.41
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,058.97 205.56	341.23
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,647.72 250.69	416.88
26 24 19 00-0650 Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	818.97 108.19	189.12
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	936.97 118.14	189.12
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,349.58 154.56	258.18
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,123.84 199.58	333.01
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,723.74 247.67	411.13
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	605.91 92.60	153.76
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	905.31 126.11	210.49
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,416.74 164.45	273.81
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,941.76 230.97	383.99
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,333.48 293.66	489.24
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	609.62 82.23	137.32
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	822.37 112.95	188.29
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,206.95 151.15	251.61
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,997.98 218.68	363.44
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,378.28 277.79	462.10
26 24 19 00-0669 Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.00 76.99	128.27
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	860.14 105.42	174.31
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,301.15 146.83	242.57
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,091.41 214.13	357.68
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,202.79 274.08	457.17
26 24 19 00-0675 Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	776.19 115.49	192.40

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	999.37 143.75	240.10
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,434.75 185.19	309.17
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,304.73 250.69	416.88
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,879.23 311.46	520.48
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	798.71 108.19	180.90
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,036.85 136.13	226.94
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,511.03 177.21	295.19
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,387.73 244.72	407.02
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,957.32 302.30	504.04
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	189.91	55.92
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	189.91	55.92
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	281.78	81.40
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	337.83	106.89
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	561.51	162.81
26 24 19 00-0694 Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	189.91	55.92
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	254.23	81.40
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	351.31	106.89
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	599.13	162.81
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	838.40	236.80
26 24 19 00-0700 Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	236.77	
26 24 19 00-0706 Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High.....	2,141.65	432.75
26 24 19 00-0708 Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway.....	3,717.94	1,126.97
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>		
26 24 19 00-0710 EA 25"-35" Wide Basic Section (No Vertical Wireway).....	3,717.94	1,126.97
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>		
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway.....	4,062.91	1,126.97
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712 EA Corner Section..... For 20" Cabinet Depth, Add For 800 Amp Tin Plated Copper Bus, Add For 1,200 Amp Tin Plated Copper Bus, Add For 1,600 Amp Tin Plated Copper Bus, Add For 2,000 Amp Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amp Tin Plated Copper Vertical, Add	4,062.91 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,126.97
26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484) Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	916.78 94.96	158.29
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,020.21 105.33	175.55
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,744.30 141.60	235.98
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,518.92 186.71	311.14
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,627.78 233.33	388.85
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12,976.72 233.33	388.85
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	917.41 82.14	136.91
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,034.60 92.50	154.17
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,772.41 126.29	210.49
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,511.22 171.21	285.32
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,630.76 221.03	368.37
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13,058.78 221.03	368.37
26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,448.55 118.82	198.08
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,768.63 131.49	219.13
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,890.92 176.70	294.53
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,931.41 233.60	389.34
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,828.69 292.27	487.10
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,460.45 102.61	171.03
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,795.13 115.70	192.82
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,930.11 158.12	263.53
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,932.47 214.13	356.85
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,842.21 276.54	460.87
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,580.44 118.82	198.08
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,226.72 131.49	219.13
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,159.70 176.70	294.53
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,660.32 233.60	389.34
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11,242.27 292.27	487.10
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,592.34 102.61	171.03
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,253.23 115.70	192.82
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,198.88 158.12	263.53
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,661.37 214.13	356.85

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,255.79 276.54	460.87
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484) Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	749.17	154.34
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	979.61	209.75
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	1,606.22	273.32
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	2,681.42	384.98
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	5,286.38	489.40
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	13,132.93	489.40
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	757.02	136.82
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	993.04	187.88
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	1,642.48	251.94
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	2,684.42	364.50
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	5,277.43	463.00
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	13,203.11	463.00
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,264.77	193.23
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,759.75	262.21
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,701.72	341.48
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	5,580.34	482.58
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,000.64	564.72
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,285.77	171.03
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,783.82	234.67
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,750.46	315.25
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	5,590.77	454.79
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,002.20	532.57
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,463.49	193.23
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,224.89	262.21
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,983.68	341.48
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,847.64	482.58
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,923.58	564.72
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,485.07	171.03
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,248.95	234.67
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,032.43	315.25
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,858.06	454.79
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,925.15	532.57
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484) Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit.....	154.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.18	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit.....	188.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.18	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit.....	226.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit.....	293.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit.....	489.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.65	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	89.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 24 19 00-0792 Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	653.22	118.82
26 24 19 00-0795 EA 150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,139.49	131.56
26 24 19 00-0796 EA 225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,390.96	177.20
26 24 19 00-0797 EA 400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,305.14	233.52
26 24 19 00-0798 EA 600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,977.30	291.90
26 24 19 00-0799 EA 800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,535.15	291.90
26 24 19 00-0800 EA 1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	9,331.92	365.49
26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0802 EA 30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	521.21	115.53
26 24 19 00-0803 EA 60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	622.68	157.47
26 24 19 00-0804 EA 100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	847.82	201.45
26 24 19 00-0805 EA 200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	1,547.09	288.61
26 24 19 00-0806 EA 400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	2,692.28	367.05
26 24 19 00-0807 EA 600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	5,998.31	367.05
26 24 19 00-0808 EA 800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	7,417.20	458.82
26 24 19 00-0809 EA 1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	10,877.99	458.82
26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811 EA Control Circuit Transformer, Size 1 Factory Installed	41.88	
26 24 19 00-0812 EA Control Circuit Transformer, Size 2 Factory Installed	41.88	
26 24 19 00-0813 EA Control Circuit Transformer, Size 3 Factory Installed	80.66	
26 24 19 00-0814 EA Control Circuit Transformer, Size 4 Factory Installed	80.66	
26 24 19 00-0815 EA Control Circuit Transformer, Size 5 Factory Installed	112.05	
26 24 19 00-0816 EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	34.95	9.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.18	
26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818 EA Control Device, 2 Unit Push Button Station Cover Mounted.....	76.14	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.28	
26 24 19 00-0819 EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	86.26	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.85	
26 24 19 00-0820 EA Control Device, Pilot Light Cover Mounted	70.65	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 24 19 00-0821 EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	199.19	55.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.70	
26 24 19 00-0822 EA Auxiliary Contact Add Per Starter	222.89	21.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.78	
26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484)		
Note: Per contact.		
26 24 19 00-0824 EA Extra Interlocks, Class I, Type A Per Contact.....	50.19	10.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact.....	67.69	10.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact.....	73.93	10.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.42	
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact.....	66.15	10.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14	
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact.....	68.96	10.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.88	
26 24 19 00-0829 Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830 EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	524.27	
26 24 19 00-0831 Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832 EA Special Cabinet Nameplate Requirements	18.61	
26 24 19 00-0833 Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834 EA Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	110.12	20.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35	
26 24 19 00-0835 EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	104.52	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35	
26 24 19 00-0836 EA General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	62.72	18.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35	
26 24 19 00-0837 Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838 Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839 EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,136.35	264.28
26 24 19 00-0840 EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,260.89	274.85
26 24 19 00-0841 EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,566.01	295.99
26 24 19 00-0842 EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,461.76	317.14
26 24 19 00-0843 EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,965.37	338.28
26 24 19 00-0844 EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,314.52	380.56
26 24 19 00-0845 EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,581.40	422.85
26 24 19 00-0846 EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,635.37	348.85
26 24 19 00-0847 EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,123.13	380.56
26 24 19 00-0848 EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,998.39	422.85
26 24 19 00-0849 EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,430.88	465.13
26 24 19 00-0850 EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,944.84	507.42

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,239.45	549.70
26 24 19 00-0852 Bolt-On Lighting Panel <small>(26 24 19 00-0837)</small>					
Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.					
26 24	19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,424.54	427.90
26 24	19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,245.74	744.79
26 24	19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,990.14	1,007.67
26 24	19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,494.70	463.00
26 24	19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,214.05	728.92
26 24	19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,116.10	1,070.66
26 24	19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,332.56	496.31
26 24	19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,148.91	796.76
26 24	19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,958.44	1,070.66
26 24	19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	2,410.62	535.29
26 24	19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,148.91	796.76
26 24	19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,027.52	1,105.18
26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker <small>(26 24 19 00-0837)</small>					
Note: For MCC lighting panel only.					
26 24	19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	16.67	
26 24	19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	161.57	
26 24	19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	32.58	
26 24	19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	75.01	
26 24	19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	87.89	
26 24	19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	133.35	
26 24 19 00-0872 Blank Unit Door (BUD) <small>(26 24 19 00-0837)</small>					
Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.					
26 24	19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	43.09	
26 24	19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	51.70	
26 24	19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	77.55	
26 24	19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	103.41	
26 24	19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	155.11	
26 24	19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	180.96	
26 24	19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	206.81	
26 25 Enclosed Bus Assemblies <small>(26 20)</small>					
26 25 00 00-0001 Bus Ducts <small>(26 25)</small>					
26 25 00 00-0002 Plug-In Bus Duct <small>(26 25 00 00-0001)</small>					
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.					
26 25 00 00-0003 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0002)</small>					
26 25	00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	233.97	24.67
			For Up To 25, Add	58.49	
			For >25 To 50, Add	35.10	
			For >50 To 100, Add	17.55	
26 25	00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	333.83	24.67
			For Up To 25, Add	83.46	
			For >25 To 50, Add	50.07	
			For >50 To 100, Add	25.04	
26 25	00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	424.01	32.89
			For Up To 25, Add	106.00	
			For >25 To 50, Add	63.60	
			For >50 To 100, Add	31.80	
26 25	00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	588.52	32.89
			For Up To 25, Add	147.13	
			For >25 To 50, Add	88.28	
			For >50 To 100, Add	44.14	
26 25	00 00-0008	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	620.66	41.11
			For Up To 25, Add	155.17	
			For >25 To 50, Add	93.10	
			For >50 To 100, Add	46.55	
26 25	00 00-0009	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	868.29	41.11
			For Up To 25, Add	217.07	
			For >25 To 50, Add	130.24	
			For >50 To 100, Add	65.12	
26 25	00 00-0010	LF	1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,017.96	43.17
			For Up To 25, Add	254.49	
			For >25 To 50, Add	152.69	
			For >50 To 100, Add	76.35	
26 25	00 00-0011	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,242.10	44.40
			For Up To 25, Add	310.53	
			For >25 To 50, Add	186.32	
			For >50 To 100, Add	93.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0012 LF 2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,535.50	46.87
<i>For Up To 25, Add</i>	383.88	
<i>For >25 To 50, Add</i>	230.33	
<i>For >50 To 100, Add</i>	115.16	
26 25 00 00-0013 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,772.80	54.68
<i>For Up To 25, Add</i>	443.20	
<i>For >25 To 50, Add</i>	265.92	
<i>For >50 To 100, Add</i>	132.96	
26 25 00 00-0014 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,052.78	59.61
<i>For Up To 25, Add</i>	513.20	
<i>For >25 To 50, Add</i>	307.92	
<i>For >50 To 100, Add</i>	153.96	
26 25 00 00-0015 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016 LF 225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	388.87	24.67
<i>For Up To 25, Add</i>	97.22	
<i>For >25 To 50, Add</i>	58.33	
<i>For >50 To 100, Add</i>	29.17	
26 25 00 00-0017 LF 400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	563.80	24.67
<i>For Up To 25, Add</i>	140.95	
<i>For >25 To 50, Add</i>	84.57	
<i>For >50 To 100, Add</i>	42.29	
26 25 00 00-0018 LF 600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	637.50	32.89
<i>For Up To 25, Add</i>	159.38	
<i>For >25 To 50, Add</i>	95.63	
<i>For >50 To 100, Add</i>	47.81	
26 25 00 00-0019 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	812.18	32.89
<i>For Up To 25, Add</i>	203.05	
<i>For >25 To 50, Add</i>	121.83	
<i>For >50 To 100, Add</i>	60.91	
26 25 00 00-0020 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	992.19	41.11
<i>For Up To 25, Add</i>	248.05	
<i>For >25 To 50, Add</i>	148.83	
<i>For >50 To 100, Add</i>	74.41	
26 25 00 00-0021 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,288.45	41.11
<i>For Up To 25, Add</i>	322.11	
<i>For >25 To 50, Add</i>	193.27	
<i>For >50 To 100, Add</i>	96.63	
26 25 00 00-0022 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,667.84	42.60
<i>For Up To 25, Add</i>	416.96	
<i>For >25 To 50, Add</i>	250.18	
<i>For >50 To 100, Add</i>	125.09	
26 25 00 00-0023 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,010.93	44.40
<i>For Up To 25, Add</i>	502.73	
<i>For >25 To 50, Add</i>	301.64	
<i>For >50 To 100, Add</i>	150.82	
26 25 00 00-0024 LF 2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,496.62	46.45
<i>For Up To 25, Add</i>	624.16	
<i>For >25 To 50, Add</i>	374.49	
<i>For >50 To 100, Add</i>	187.25	
26 25 00 00-0025 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,881.82	54.68
<i>For Up To 25, Add</i>	720.46	
<i>For >25 To 50, Add</i>	432.27	
<i>For >50 To 100, Add</i>	216.14	
26 25 00 00-0026 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,341.81	59.61
<i>For Up To 25, Add</i>	835.45	
<i>For >25 To 50, Add</i>	501.27	
<i>For >50 To 100, Add</i>	250.64	
26 25 00 00-0027 Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029 EA 225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,958.07	115.12
26 25 00 00-0030 EA 400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,015.70	115.12
26 25 00 00-0031 EA 600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,174.22	156.23
26 25 00 00-0032 EA 800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,308.32	156.23
26 25 00 00-0033 EA 1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,471.64	205.56
26 25 00 00-0034 EA 1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,706.48	205.56
26 25 00 00-0035 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0036 EA 225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,015.70	226.12
26 25 00 00-0037 EA 400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,183.66	226.12
26 25 00 00-0038 EA 600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,326.35	308.35
26 25 00 00-0039 EA 800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,612.93	308.35
26 25 00 00-0040 EA 1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,741.19	411.13
26 25 00 00-0041 EA 1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,121.03	411.13
26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker <small>(26 25 00 00-0002)</small>		
26 25 00 00-0043 240 Volt, 3-Phase <small>(26 25 00 00-0042)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0044 EA 60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	870.71 44.98	82.23
26 25 00 00-0045 EA 100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,754.97 57.74	82.23
26 25 00 00-0046 600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047 EA 60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,712.44 44.98	82.23
26 25 00 00-0048 EA 100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,218.37 57.74	82.23
26 25 00 00-0049 120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050 EA 60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,002.96 51.39	98.67
26 25 00 00-0051 EA 100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,196.13 64.24	98.67
26 25 00 00-0052 277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053 EA 60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,153.32 51.39	98.67
26 25 00 00-0054 EA 100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,784.88 64.24	98.67
26 25 00 00-0055 EA 225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,568.75 147.89	341.23
26 25 00 00-0056 EA 400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,153.70 321.19	341.23
26 25 00 00-0057 EA 600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,812.16 446.87	986.71
26 25 00 00-0058 EA 800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,357.18 790.62	986.71
26 25 00 00-0059 Bus Duct Plug-In Fusible Switch (26 25 00 00-0002)		
26 25 00 00-0060 240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061 EA 30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	868.64	82.23
26 25 00 00-0062 EA 60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	950.41	82.23
26 25 00 00-0063 EA 100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,318.52	98.67
26 25 00 00-0064 EA 200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,220.91	197.35
26 25 00 00-0065 EA 400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,642.63	444.01
26 25 00 00-0066 EA 600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,378.75	772.91
26 25 00 00-0067 600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068 EA 30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	907.60	90.44
26 25 00 00-0069 EA 60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	987.09	90.44
26 25 00 00-0070 EA 100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,332.92	90.44
26 25 00 00-0071 EA 200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,281.72	189.12
26 25 00 00-0072 EA 400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,620.67	427.57
26 25 00 00-0073 EA 600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,534.48	822.25
26 25 00 00-0074 EA 800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	14,126.51	1,068.92
26 25 00 00-0075 120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076 EA 30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,006.85	106.89
26 25 00 00-0077 EA 60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,075.82	106.89
26 25 00 00-0078 EA 100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,455.25	106.89
26 25 00 00-0079 EA 200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,468.59	222.01
26 25 00 00-0080 EA 400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,181.80	493.35
26 25 00 00-0081 EA 600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	8,983.81	756.47
26 25 00 00-0082 277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0083 EA 30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,041.42	106.89
26 25 00 00-0084 EA 60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,110.40	90.69
26 25 00 00-0085 EA 100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,555.89	123.34
26 25 00 00-0086 EA 200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,575.86	222.01
26 25 00 00-0087 EA 400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,181.80	493.35
26 25 00 00-0088 EA 600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	8,983.81	756.47
26 25 00 00-0089 EA 800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	14,319.64	1,003.14
26 25 00 00-0090 Feeder Bus Duct (26 25 00 00-0001)		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0091 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 00 00-0090)		
Note: Copper conductors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0092 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	711.86	34.54
<i>For Up To 25, Add</i>	177.97	
<i>For >25 To 50, Add</i>	106.78	
<i>For >50 To 100, Add</i>	53.39	
26 25 00 00-0093 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	720.66	34.54
<i>For Up To 25, Add</i>	180.17	
<i>For >25 To 50, Add</i>	108.10	
<i>For >50 To 100, Add</i>	54.05	
26 25 00 00-0094 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	946.14	34.54
<i>For Up To 25, Add</i>	236.54	
<i>For >25 To 50, Add</i>	141.92	
<i>For >50 To 100, Add</i>	70.96	
26 25 00 00-0095 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,138.19	34.54
<i>For Up To 25, Add</i>	284.55	
<i>For >25 To 50, Add</i>	170.73	
<i>For >50 To 100, Add</i>	85.36	
26 25 00 00-0096 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,392.43	34.54
<i>For Up To 25, Add</i>	348.11	
<i>For >25 To 50, Add</i>	208.86	
<i>For >50 To 100, Add</i>	104.43	
26 25 00 00-0097 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,899.41	82.23
<i>For Up To 25, Add</i>	474.85	
<i>For >25 To 50, Add</i>	284.91	
<i>For >50 To 100, Add</i>	142.46	
26 25 00 00-0098 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	2,629.29	82.23
<i>For Up To 25, Add</i>	657.32	
<i>For >25 To 50, Add</i>	394.39	
<i>For >50 To 100, Add</i>	197.20	
26 25 00 00-0099 LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,110.63	82.23
<i>For Up To 25, Add</i>	777.66	
<i>For >25 To 50, Add</i>	466.59	
<i>For >50 To 100, Add</i>	233.30	
26 25 00 00-0100 LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,834.42	82.23
<i>For Up To 25, Add</i>	958.61	
<i>For >25 To 50, Add</i>	575.16	
<i>For >50 To 100, Add</i>	287.58	
26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
Note: Low impedance, copper conductors.		
26 25 00 00-0102 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	818.00	37.00
<i>For Up To 25, Add</i>	204.50	
<i>For >25 To 50, Add</i>	122.70	
<i>For >50 To 100, Add</i>	61.35	
26 25 00 00-0103 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	829.32	37.00
<i>For Up To 25, Add</i>	207.33	
<i>For >25 To 50, Add</i>	124.40	
<i>For >50 To 100, Add</i>	62.20	
26 25 00 00-0104 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,069.84	37.00
<i>For Up To 25, Add</i>	267.46	
<i>For >25 To 50, Add</i>	160.48	
<i>For >50 To 100, Add</i>	80.24	
26 25 00 00-0105 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,268.44	37.00
<i>For Up To 25, Add</i>	317.11	
<i>For >25 To 50, Add</i>	190.27	
<i>For >50 To 100, Add</i>	95.13	
26 25 00 00-0106 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,533.27	37.00
<i>For Up To 25, Add</i>	383.32	
<i>For >25 To 50, Add</i>	229.99	
<i>For >50 To 100, Add</i>	115.00	
26 25 00 00-0107 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,359.47	63.31
<i>For Up To 25, Add</i>	589.87	
<i>For >25 To 50, Add</i>	353.92	
<i>For >50 To 100, Add</i>	176.96	
26 25 00 00-0108 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,959.82	63.31
<i>For Up To 25, Add</i>	739.96	
<i>For >25 To 50, Add</i>	443.97	
<i>For >50 To 100, Add</i>	221.99	
26 25 00 00-0109 LF 5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	3,501.51	117.59
<i>For Up To 25, Add</i>	875.38	
<i>For >25 To 50, Add</i>	525.23	
<i>For >50 To 100, Add</i>	262.61	
26 25 00 00-0110 LF 6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	4,322.36	117.59
<i>For Up To 25, Add</i>	1,080.59	
<i>For >25 To 50, Add</i>	648.35	
<i>For >50 To 100, Add</i>	324.18	

26 26 Power Distribution Units (26 20)

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center (26 26)

Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.

26 26 00 00-0002 EA PDU 15 KVA 480-208/120 Model PPA01C	9,999.43	328.90
26 26 00 00-0003 EA PDU 15 KVA 208-208/120 Model PPC015C	9,671.52	328.90

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 26	Power Distribution Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 26 00 00-0004 EA PDU 30 KVA 480-208/120 Model PPA030C.....	11,201.74	328.90
26 26 00 00-0005 EA PDU 30 KVA 208-208/120 Model PPC030C.....	11,584.30	328.90
26 26 00 00-0006 EA PDU 50 KVA 480-208/120 Model PPA050C.....	12,586.23	328.90
26 26 00 00-0007 EA PDU 50 KVA 208-208/120 Model PPC050C.....	13,121.44	328.90
26 26 00 00-0008 EA PDU 75 KVA 480-208/120 Model PPA075C.....	13,824.98	328.90
26 26 00 00-0009 EA PDU 75 KVA 208-208/120 Model PPC075C.....	15,027.29	328.90
26 26 00 00-0010 EA PDU 100 KVA 480-208/120 Model PPA100C.....	14,899.77	328.90
26 26 00 00-0011 EA PDU 100 KVA 208-208/120 Model PPC100C.....	16,266.04	328.90
26 26 00 00-0012 EA PDU 125 KVA 480-208/120 Model PPA125C.....	16,593.94	328.90
26 26 00 00-0013 EA PDU 125 KVA 208-208/120 Model PPC125C.....	18,124.16	328.90
26 26 00 00-0014 EA PDU 150 KVA 480-208/120 Model PPA150C.....	19,982.29	328.90
26 26 00 00-0015 EA PDU 150 KVA 208-208/120 Model PPC150C.....	20,802.05	328.90
26 26 00 00-0016 EA PDU 200 KVA 480-208/120 Model PPA200C.....	21,767.54	328.90
26 26 00 00-0017 EA PDU 225 KVA 480-208/120 Model PPA225C.....	22,896.99	328.90
26 26 00 00-0018 EA Ex Panelboard 10-30 KVA.....	882.20	82.23
26 26 00 00-0019 EA Ex Panelboard 50-125 KVA.....	1,264.75	82.23
26 26 00 00-0020 EA Ex Panelboard 150-220 KVA.....	2,794.97	82.23
26 26 00 00-0021 EA Remove And Reinstall, Power Distribution Unit.....	1,315.18	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 26 00 00-0022 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only.....	955.67	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

26 27 13 00-0003 EA 100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	165.85	53.45
26 27 13 00-0004 EA 100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	174.63	53.45
26 27 13 00-0005 EA 200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	228.12	65.78
26 27 13 00-0006 EA 200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	230.62	65.78
26 27 13 00-0007 EA 200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	422.15	74.01
26 27 13 00-0008 EA 320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release.....	554.18	82.23
26 27 13 00-0009 EA 400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release.....	1,319.09	90.44
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base.....	1,651.57	411.13

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012 EA 100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	151.89	16.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	10.12	
26 27 13 00-0013 EA 200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	414.31	16.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	10.29	

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015 EA Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R.....	349.60	106.89
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26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	585.67	51.39
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	768.14	61.67
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	949.65	71.94
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,099.93	82.23
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,425.37	92.50
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,540.60	102.78
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,799.50	123.34

26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	1,059.09	51.39
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	1,392.10	61.67
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	1,916.11	82.23
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	2,126.03	92.50
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	2,667.34	102.78

26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)

26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	893.79	71.94
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,168.10	82.23
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,425.37	92.50
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,673.16	102.78
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,100.86	113.06
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,206.64	123.34
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AI.....	2,730.62	143.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.31	71.94
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.54	82.23
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.38	102.78
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,687.90	113.06
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.03	123.34
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	640.31	61.67
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	833.19	71.94
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,025.13	82.23
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,188.66	92.50
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,455.39	102.78
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,570.63	113.06
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,933.67	133.61
26 27 13 00-0054 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.52	61.67
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.47	71.94
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,116.56	92.50
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,326.48	102.78
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,811.01	113.06
26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.44	82.23
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.55	92.50
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,512.22	102.78
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.02	113.06
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.67	123.34
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.41	133.61
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,874.31	154.17
26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.22	82.23
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,879.87	92.50
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,687.92	113.06
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.62	123.34
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.24	133.61
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	585.67	51.39
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	768.14	61.67
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,099.93	82.23
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,425.37	92.50
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,758.37	102.78
26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,059.09	51.39
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,392.10	61.67
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,010.78	82.23
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,220.71	92.50
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,667.34	102.78
26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	893.79	71.94
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,168.10	82.23
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,673.16	102.78
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,100.86	113.06
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,206.64	123.34
26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.32	71.94
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.54	82.23
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.38	102.78
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,687.90	113.06
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.06	123.34

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 13 00-0099	120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0100	800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0101	EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	640.31	61.67
26 27 13 00-0102	EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	833.19	71.94
26 27 13 00-0103	EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,188.66	92.50
26 27 13 00-0104	EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,550.07	102.78
26 27 13 00-0105	EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,760.00	113.06
26 27 13 00-0106	1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0107	EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.52	61.67
26 27 13 00-0108	EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.46	71.94
26 27 13 00-0109	EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,021.87	92.50
26 27 13 00-0110	EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,231.79	102.78
26 27 13 00-0111	EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,810.99	113.06
26 27 13 00-0112	800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0113	EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.43	82.23
26 27 13 00-0114	EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.53	92.50
26 27 13 00-0115	EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.00	113.06
26 27 13 00-0116	EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.64	123.34
26 27 13 00-0117	EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.41	133.61
26 27 13 00-0118	1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0119	EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.21	82.23
26 27 13 00-0120	EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,879.85	92.50
26 27 13 00-0121	EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,687.90	113.06
26 27 13 00-0122	EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.62	123.34
26 27 13 00-0123	EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.24	133.61
26 27 13 00-0124	Watt/Hour Meters (26 27 13)		
26 27 13 00-0125	EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	635.78	49.33
26 27 13 00-0126	EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,895.97	98.67
26 27 13 00-0127	EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,022.28	74.01
26 27 13 00-0128	EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,238.52	74.01
26 27 13 00-0129	EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,054.05	74.01
26 27 13 00-0130	EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	707.18	68.24
26 27 13 00-0131	EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,211.86	123.34
26 27 13 00-0132	Watt/Hour Meter Systems (26 27 13) Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133	Watt/Hour Meter System Without Main Breaker (26 27 13 00-0132)		
26 27 13 00-0134	EA 400 Amp System; 200 Amp M-90 Meter And Enclosure	3,181.93	493.43
26 27 13 00-0135	EA 600-800 Amp System; 200 Amp M-90 Meter And Enclosure	3,692.25	493.43
26 27 13 00-0136	Watt/Hour Meter System With Main Breaker (26 27 13 00-0132)		
26 27 13 00-0137	EA 400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,422.51	493.43
26 27 13 00-0138	EA 600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,535.31	493.43
26 27 13 00-0139	EA 800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,007.24	493.43
26 27 16	Electrical Cabinets And Enclosures (26 27) Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001	NEMA 1 Enclosures (26 27 16)		
26 27 16 00-0002	Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0003	4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0004	EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	52.35	16.45
26 27 16 00-0005	EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	58.73	18.09
26 27 16 00-0006	EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.18	19.73
26 27 16 00-0007	EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.10	23.02
26 27 16 00-0008	EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.92	24.67
26 27 16 00-0009	EA 10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.25	26.31
26 27 16 00-0010	EA 12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	89.99	26.31
26 27 16 00-0011	EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	97.49	27.95
26 27 16 00-0012	EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.39	29.60
26 27 16 00-0013	EA 16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.59	39.47
26 27 16 00-0014	EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.70	47.69
26 27 16 00-0015	EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	157.37	46.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.68	19.73
26 27 16 00-0018 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.82	23.02
26 27 16 00-0019 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.25	27.95
26 27 16 00-0020 EA 10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.95	29.60
26 27 16 00-0021 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.81	31.25
26 27 16 00-0022 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.03	32.89
26 27 16 00-0023 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	151.07	42.76
26 27 16 00-0024 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	183.10	52.63
26 27 16 00-0025 EA 18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	176.56	50.98
26 27 16 00-0026 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	229.98	65.78
26 27 16 00-0027 EA 24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	295.79	75.65
26 27 16 00-0028 EA 24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	338.29	82.23
26 27 16 00-0029 EA 30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	376.90	87.16
26 27 16 00-0030 EA 36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	411.41	90.44
26 27 16 00-0031 Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0032 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0033 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	37.90	11.52
26 27 16 00-0034 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	54.19	16.45
26 27 16 00-0035 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	60.62	18.09
26 27 16 00-0036 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0037 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	42.19	13.16
26 27 16 00-0038 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	52.21	16.45
26 27 16 00-0039 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	58.51	18.09
26 27 16 00-0040 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	64.94	19.73
26 27 16 00-0041 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	75.78	23.02
26 27 16 00-0042 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	82.57	24.67
26 27 16 00-0043 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.76	26.31
26 27 16 00-0044 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.45	26.31
26 27 16 00-0045 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	97.00	27.95
26 27 16 00-0046 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	104.82	29.60
26 27 16 00-0047 EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	136.59	39.47
26 27 16 00-0048 EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	168.96	49.33
26 27 16 00-0049 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	156.59	46.04
26 27 16 00-0050 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	203.13	59.20
26 27 16 00-0051 EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	301.24	74.01
26 27 16 00-0052 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0053 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	65.38	19.73
26 27 16 00-0054 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	72.40	21.38
26 27 16 00-0055 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	83.43	24.67
26 27 16 00-0056 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.75	27.95
26 27 16 00-0057 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.43	29.60
26 27 16 00-0058 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	110.21	31.25
26 27 16 00-0059 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	118.34	32.89
26 27 16 00-0060 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	151.07	42.76
26 27 16 00-0061 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	185.55	52.63
26 27 16 00-0062 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	175.68	50.98
26 27 16 00-0063 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	228.78	65.78
26 27 16 00-0064 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	290.24	75.65
26 27 16 00-0065 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	335.74	82.23
26 27 16 00-0066 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	363.61	87.16
26 27 16 00-0067 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	401.13	90.44
26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0069 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.75	27.95
26 27 16 00-0070 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	130.61	36.18
26 27 16 00-0071 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	166.01	46.04
26 27 16 00-0072 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	205.76	57.56
26 27 16 00-0073 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	196.04	55.92
26 27 16 00-0074 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	242.98	69.07
26 27 16 00-0075 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	269.66	78.94
26 27 16 00-0076 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	318.09	83.87
26 27 16 00-0077 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	370.38	90.44
26 27 16 00-0078 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	394.69	95.39
26 27 16 00-0079 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	415.73	98.67
26 27 16 00-0080 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	428.55	98.67
26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0082 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	223.15	62.49
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	294.84	80.58
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	295.70	85.51

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	396.69	92.09
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	459.32	101.96
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	515.22	105.25
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	551.06	110.18
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	325.62	88.80
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.64	93.74
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	435.67	101.96
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	501.00	111.82
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	568.24	116.76
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	600.36	121.69
26 27 16 00-0096 NEMA 12 Enclosures (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	75.40	13.16
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	98.09	18.09
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	121.30	23.02
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	131.35	24.67
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	147.58	26.31
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	159.01	27.95
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	108.94	19.73
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	120.07	21.38
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	80.54	13.16
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	99.98	18.09
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	112.00	19.73
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	128.80	23.02
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	133.92	24.67
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	154.04	26.31
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	164.96	27.95
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	184.50	29.60
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	118.38	19.73
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	132.48	21.38
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	146.39	24.67
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	173.77	29.60
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	189.80	32.89
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	259.30	42.76
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	401.13	65.78
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	510.08	75.65
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	570.62	82.23
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	539.15	83.87
26 27 16 00-0130 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	612.28	90.44
26 27 16 00-0131 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	667.14	95.39
26 27 16 00-0132 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	726.08	98.67
26 27 16 00-0133 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	718.07	98.67
26 27 16 00-0134 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0135 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0136 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,990.74	133.61
26 27 16 00-0137 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0138 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,025.31	148.00
26 27 16 00-0139 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,309.81	158.29
26 27 16 00-0140 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,675.04	197.35
26 27 16 00-0141 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,001.41	232.69



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0142				12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0143	EA			60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,247.65	232.69
26 27 16 00-0144	EA			60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,490.74	246.68
26 27 16 00-0145	EA			72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,809.09	263.12
26 27 16 00-0146	EA			72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,068.05	263.12
26 27 16 00-0147				NEMA 3 Enclosures <small>(26 27 16)</small>		
				Note: Can be used underground or encased in concrete.		
26 27 16 00-0148				2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0149	EA			4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	212.46	57.56
26 27 16 00-0150				3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0151	EA			4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	227.86	57.56
26 27 16 00-0152	EA			5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	290.29	59.61
26 27 16 00-0153	EA			6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	300.77	59.61
26 27 16 00-0154	EA			6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	377.03	61.67
26 27 16 00-0155				4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0156	EA			4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	287.45	59.61
26 27 16 00-0157	EA			5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	314.86	59.61
26 27 16 00-0158	EA			6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	328.18	61.67
26 27 16 00-0159	EA			6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	412.37	61.67
26 27 16 00-0160	EA			8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	453.18	65.78
26 27 16 00-0161	EA			8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	487.76	69.89
26 27 16 00-0162	EA			10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	507.78	69.89
26 27 16 00-0163	EA			10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	603.15	71.94
26 27 16 00-0164	EA			12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	654.09	74.01
26 27 16 00-0165	EA			12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	894.39	82.23
26 27 16 00-0166				6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0167	EA			6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	435.43	63.72
26 27 16 00-0168	EA			8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	548.24	71.94
26 27 16 00-0169	EA			8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	641.78	74.01
26 27 16 00-0170	EA			10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	739.10	76.06
26 27 16 00-0171	EA			10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	786.32	76.06
26 27 16 00-0172	EA			12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	894.14	82.23
26 27 16 00-0173	EA			12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,034.13	92.50
26 27 16 00-0174	EA			16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	974.52	88.39
26 27 16 00-0175	EA			18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,894.27	164.45
26 27 16 00-0176	EA			18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,277.61	205.56
26 27 16 00-0177				8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0178	EA			8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	793.82	78.12
26 27 16 00-0179	EA			12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,192.97	102.78
26 27 16 00-0180	EA			12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,212.26	102.78
26 27 16 00-0181	EA			16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,643.13	154.17
26 27 16 00-0182	EA			18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,162.18	164.45
26 27 16 00-0183	EA			24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,480.11	287.79
26 27 16 00-0184				10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0185	EA			18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,882.32	205.56
26 27 16 00-0186				12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0187	EA			18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,429.44	246.68
26 27 16 00-0188	EA			24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,643.93	226.12
26 27 16 00-0189				NEMA 3R Enclosures <small>(26 27 16)</small>		
				Note: Rain-tight enclosures.		
26 27 16 00-0190				Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0191				4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0192	EA			6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	63.06	16.45
26 27 16 00-0193	EA			6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	69.59	18.09
26 27 16 00-0194	EA			8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	95.35	18.09



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0195			6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0196	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	125.12	24.67
26 27 16 00-0197	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	140.01	27.95
26 27 16 00-0198	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	163.51	31.25
26 27 16 00-0199	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	176.31	32.89
26 27 16 00-0200	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	229.51	42.76
26 27 16 00-0201	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	275.21	52.63
26 27 16 00-0202	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	317.20	65.78
26 27 16 00-0203			8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0204	EA		24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	473.70	83.87
26 27 16 00-0205	EA		34" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	524.07	90.44
26 27 16 00-0206	EA		20" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.71	95.39
26 27 16 00-0207	EA		30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	616.28	98.67
26 27 16 00-0208			10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0209	EA		12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.36	101.96
26 27 16 00-0210	EA		12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	662.34	115.12
26 27 16 00-0211	EA		12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	733.35	127.45
26 27 16 00-0212	EA		12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	807.69	140.61
26 27 16 00-0213	EA		12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	879.52	152.93
26 27 16 00-0214	EA		18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	388.85	80.58
26 27 16 00-0215	EA		24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.36	101.96
26 27 16 00-0216	EA		30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	686.50	105.25
26 27 16 00-0217	EA		36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	859.95	115.12
26 27 16 00-0218			12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0219	EA		12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	559.89	81.40
26 27 16 00-0220	EA		12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	627.98	91.27
26 27 16 00-0221	EA		12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	695.24	101.14
26 27 16 00-0222	EA		12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	768.66	111.82
26 27 16 00-0223	EA		12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	836.76	121.69
26 27 16 00-0224	EA		18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	418.37	60.85
26 27 16 00-0225	EA		18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	559.89	81.40
26 27 16 00-0226	EA		18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	627.98	91.27
26 27 16 00-0227	EA		18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	735.03	106.89
26 27 16 00-0228	EA		18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	836.76	121.69
26 27 16 00-0229	EA		30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	797.48	120.05
26 27 16 00-0230	EA		36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	836.76	121.69
26 27 16 00-0231	EA		36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	879.80	124.98
26 27 16 00-0232	EA		36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	976.19	131.56
26 27 16 00-0233	EA		42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,056.48	138.14
26 27 16 00-0234			Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0189)		
26 27 16 00-0235			4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0236	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	50.05	13.16
26 27 16 00-0237	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	60.43	16.45
26 27 16 00-0238	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	66.73	18.09
26 27 16 00-0239	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	74.04	19.73
26 27 16 00-0240	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	85.97	23.02
26 27 16 00-0241	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	93.76	24.67
26 27 16 00-0242	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	102.25	26.31
26 27 16 00-0243	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	101.78	26.31
26 27 16 00-0244	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	111.36	27.95
26 27 16 00-0245	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	119.86	29.60
26 27 16 00-0246	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	180.89	46.04
26 27 16 00-0247	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	241.60	59.20
26 27 16 00-0248			6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0249	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	69.35	19.73
26 27 16 00-0250	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	95.03	24.67
26 27 16 00-0251	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	107.64	27.95
26 27 16 00-0252	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	116.79	29.60
26 27 16 00-0253	EA		12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	116.10	29.60
26 27 16 00-0254	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	125.80	31.25
26 27 16 00-0255	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	135.59	32.89
26 27 16 00-0256	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	176.98	42.76
26 27 16 00-0257	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	203.46	50.98
26 27 16 00-0258	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	271.85	65.78
26 27 16 00-0259	EA		24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	283.46	70.71
26 27 16 00-0260	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	324.85	75.65
26 27 16 00-0261	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	366.40	82.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0262				8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
	26 27 16 00-0263	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	151.86	36.18
	26 27 16 00-0264	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	219.37	55.92
	26 27 16 00-0265	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	300.86	72.35
	26 27 16 00-0266	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	359.42	83.87
	26 27 16 00-0267	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	407.41	90.44
	26 27 16 00-0268	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	453.47	95.39
26 27 16 00-0269				10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
	26 27 16 00-0270	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	331.78	80.58
	26 27 16 00-0271	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	447.58	101.96
	26 27 16 00-0272	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	492.15	105.25
26 27 16 00-0273				12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
	26 27 16 00-0274	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	494.58	111.82
	26 27 16 00-0275	EA		30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	694.62	121.69
	26 27 16 00-0276	EA		36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	718.02	124.98
	26 27 16 00-0277	EA		36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	842.23	131.56
26 27 16 00-0278				NEMA 4 Enclosures (26 27 16)		
				Note: Water-tight enclosures.		
26 27 16 00-0279				Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0278)		
	26 27 16 00-0280	EA		4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	87.03	11.52
	26 27 16 00-0281	EA		6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	101.25	13.98
	26 27 16 00-0282	EA		8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	126.39	18.09
	26 27 16 00-0283	EA		6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	119.77	18.09
	26 27 16 00-0284	EA		10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	159.81	24.67
	26 27 16 00-0285	EA		12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	199.73	29.60
	26 27 16 00-0286	EA		10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	184.16	27.95
	26 27 16 00-0287	EA		12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	214.54	32.89
	26 27 16 00-0288	EA		14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	252.92	37.83
	26 27 16 00-0289	EA		16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	305.56	47.69
26 27 16 00-0290				Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0278)		
	26 27 16 00-0291	EA		4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	79.34	11.52
	26 27 16 00-0292	EA		6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	112.10	18.09
26 27 16 00-0293				Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0278)		
	26 27 16 00-0294	EA		6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	98.90	15.79
	26 27 16 00-0295	EA		8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	104.88	17.10
	26 27 16 00-0296	EA		10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	127.99	22.36
	26 27 16 00-0297	EA		12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	150.28	24.67
	26 27 16 00-0298	EA		14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	194.95	31.25
	26 27 16 00-0299	EA		16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	227.71	37.00
	26 27 16 00-0300	EA		18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	316.55	59.20
26 27 16 00-0301				NEMA 4X Enclosures (26 27 16)		
				Note: Water-tight enclosures.		
26 27 16 00-0302				Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0301)		
	26 27 16 00-0303	EA		6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	178.77	13.16
	26 27 16 00-0304	EA		6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	209.29	18.09
	26 27 16 00-0305	EA		10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	264.31	24.67
	26 27 16 00-0306	EA		12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	321.07	29.60
	26 27 16 00-0307	EA		14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	395.08	37.83
	26 27 16 00-0308	EA		16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	464.83	47.69
26 27 16 00-0309				Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0301)		
	26 27 16 00-0310	EA		4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	161.08	11.52
				For 316L Stainless Steel, Add	35.72	
	26 27 16 00-0311	EA		6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	210.41	16.45
				For 316L Stainless Steel, Add	45.71	
	26 27 16 00-0312	EA		6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	238.09	18.09
				For 316L Stainless Steel, Add	52.07	
	26 27 16 00-0313	EA		8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	271.91	19.73
				For 316L Stainless Steel, Add	60.10	
	26 27 16 00-0314	EA		10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	334.22	24.67
				For 316L Stainless Steel, Add	73.59	
	26 27 16 00-0315	EA		12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	468.00	31.25
				For 316L Stainless Steel, Add	105.27	
	26 27 16 00-0316	EA		14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	582.74	37.83
				For 316L Stainless Steel, Add	131.81	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	703.80 157.83	47.69
26 27 16 00-0318		Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301) Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	85.12	18.09
26 27 16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	95.53	19.73
26 27 16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	109.54	23.02
26 27 16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	118.90	24.67
26 27 16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	137.09	27.95
26 27 16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	129.74	27.95
26 27 16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	150.54	31.25
26 27 16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	188.01	37.83
26 27 16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	241.85	51.80
26 27 16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	315.28	74.58
26 27 16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	90.90	18.09
26 27 16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	102.36	19.73
26 27 16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	116.89	23.02
26 27 16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	127.82	24.67
26 27 16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	146.54	27.95
26 27 16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	138.67	27.95
26 27 16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	162.65	31.25
26 27 16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	194.31	37.83
26 27 16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	254.98	51.80
26 27 16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	329.45	74.58
26 27 16 00-0339		Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301) Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0340	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	101.40	18.09
26 27 16 00-0341	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	108.66	19.73
26 27 16 00-0342	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	123.71	23.02
26 27 16 00-0343	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	133.60	24.67
26 27 16 00-0344	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	157.57	27.95
26 27 16 00-0345	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	146.02	27.95
26 27 16 00-0346	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	177.87	31.25
26 27 16 00-0347	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	211.64	37.83
26 27 16 00-0348	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	262.33	51.80
26 27 16 00-0349	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	342.05	74.58
26 27 16 00-0350	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	105.60	18.09
26 27 16 00-0351	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	116.53	19.73
26 27 16 00-0352	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	131.06	23.02
26 27 16 00-0353	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	141.47	24.67
26 27 16 00-0354	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	168.07	27.95
26 27 16 00-0355	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	154.94	27.95
26 27 16 00-0356	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	188.90	31.25
26 27 16 00-0357	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	216.89	37.83
26 27 16 00-0358	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	279.65	51.80
26 27 16 00-0359	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	360.43	74.58
26 27 16 00-0360		NEMA 7/9 Enclosures (26 27 16) Note: Nominal inside dimensions.		
26 27 16 00-0361		4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0362	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	935.92	92.50
		<i>For Mounting Pan, Add</i>	39.75	
26 27 16 00-0363	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	746.72	98.67
		<i>For Mounting Pan, Add</i>	74.07	
26 27 16 00-0364	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,458.21	111.00
		<i>For Mounting Pan, Add</i>	102.13	
26 27 16 00-0365		6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0366	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,296.90	111.00
		<i>For Mounting Pan, Add</i>	51.93	
26 27 16 00-0367	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,689.30	114.09
		<i>For Mounting Pan, Add</i>	102.13	
26 27 16 00-0368	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,728.69	123.34
		<i>For Mounting Pan, Add</i>	78.13	
26 27 16 00-0369	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,774.03	123.34
		<i>For Mounting Pan, Add</i>	91.41	
26 27 16 00-0370	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,507.89	154.17
		<i>For Mounting Pan, Add</i>	119.92	
26 27 16 00-0371	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,364.05	138.75
		<i>For Mounting Pan, Add</i>	74.88	
26 27 16 00-0372	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,445.81	154.17
		<i>For Mounting Pan, Add</i>	112.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0373 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,778.76 150.73	277.51
26 27 16 00-0374 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,999.70 146.76	185.01
26 27 16 00-0375 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,937.87 134.74	308.35
26 27 16 00-0376 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,718.55 219.04	308.35
26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0378 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,017.49 78.13	138.75
26 27 16 00-0379 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,031.59 91.41	138.75
26 27 16 00-0380 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,299.95 119.92	138.75
26 27 16 00-0381 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,548.65 74.88	154.17
26 27 16 00-0382 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,706.07 112.04	277.51
26 27 16 00-0383 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,509.83 150.73	339.18
26 27 16 00-0384 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,080.10 226.69	400.84
26 27 16 00-0385 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,061.63 146.76	339.18
26 27 16 00-0386 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,172.07 134.74	339.18
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,213.10 201.96	370.01
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,132.43 219.04	339.18
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,854.08 320.30	370.01
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,807.19 427.00	370.01
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,566.78 533.67	493.35
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,042.75 496.22	400.84
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,569.34 679.32	616.69
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,364.20 226.69	400.84
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,778.96 201.96	370.01
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,385.34 320.30	400.84
26 27 16 00-0398 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,327.72 533.67	431.68
26 27 16 00-0399 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,254.70 496.22	431.68
26 27 16 00-0400 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	15,870.82 679.32	616.69
26 27 16 00-0401 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0402 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,611.16 150.73	339.18
26 27 16 00-0403 Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0405 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	226.06	65.78
26 27 16 00-0406 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	381.56	65.78
26 27 16 00-0407 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	896.39	90.44
26 27 16 00-0408 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,200.34	98.67
26 27 16 00-0409 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	891.84	98.67
26 27 16 00-0410 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	348.41	90.44
26 27 16 00-0411 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0412 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	351.89	90.44

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0413 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	600.91	90.44
26 27 16 00-0414 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	1,932.72	115.12
26 27 16 00-0415 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	521.22	115.12
26 27 16 00-0416 125 To 400 Amp, L-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0417 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	575.28	180.90
26 27 16 00-0418 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,189.35	180.90
26 27 16 00-0419 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	3,296.99	230.23
26 27 16 00-0420 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	911.89	230.23
26 27 16 00-0421 300 To 800 Amp, M-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0422 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,121.24	345.35
26 27 16 00-0423 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,770.24	345.35
26 27 16 00-0424 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,950.46	444.01
26 27 16 00-0425 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	3,346.96	444.01
26 27 16 00-0426 250 To 1,200 Amp, P-Frame Breaker Enclosures (26 27 16 00-0403)		
26 27 16 00-0427 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	1,320.74	345.35
26 27 16 00-0428 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	2,085.74	345.35
26 27 16 00-0429 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	4,136.96	444.01
26 27 16 00-0430 Legend Plates (26 27 16)		
26 27 16 00-0431 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	10.58	4.11
26 27 16 00-0432 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	12.59	4.11
26 27 23 Indoor Service Poles (26 27)		
26 27 23 00-0001 Communication And Power Poles (26 27 23)		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	209.86	36.45
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	227.65	36.45
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	248.22	36.45
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	46.28	7.52
26 27 23 00-0010 EA Add-On Cover Plate For Three Duplex Receptacles	37.36	7.52
26 27 23 00-0011 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	42.20	7.52
26 27 23 00-0012 EA Add-On Cover Plate For Data And A/V Modular Devices	31.47	7.52
26 27 23 00-0013 EA Add-On Radius Control Entrance End Fitting	26.06	7.52
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	270.87	36.45
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	309.10	36.45
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	329.73	36.45
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle.....	29.08	7.52
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle.....	26.22	7.52
26 27 23 00-0022 EA Add-On Cover Plate For Data And A/V Modular Devices	28.27	7.52
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	351.89	36.45
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	397.91	36.45
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	428.25	36.45



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0028				Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small> Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA			Add-On Cover Plate For One Single Receptacle.....	29.08	7.52
26 27 23 00-0030	EA			Add-On Cover Plate For One Duplex Receptacle.....	26.22	7.52
26 27 23 00-0031	EA			Add-On Cover Plate For Data And A/V Modular Devices	28.27	7.52
26 27 23 00-0032				Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033				2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034				2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035	EA			2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	282.84	36.45
26 27 23 00-0036	EA			2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	315.01	36.45
26 27 23 00-0037	EA			2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	351.09	36.45
26 27 23 00-0038				Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039	EA			Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	44.07	7.52
26 27 23 00-0040	EA			Add-On Cover Plate For Three Duplex Receptacles	44.98	7.52
26 27 23 00-0041	EA			Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	48.01	7.52
26 27 23 00-0042	EA			Add-On Cover Plate For Data And A/V Modular Devices	33.17	7.52
26 27 23 00-0043	EA			Add-On Radius Control Entrance End Fitting	26.06	7.52
26 27 23 00-0044				2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045	EA			2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	272.79	36.45
26 27 23 00-0046	EA			2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	305.79	36.45
26 27 23 00-0047	EA			2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	344.67	36.45
26 27 23 00-0048				5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049	EA			5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	566.74	36.45
26 27 23 00-0050	EA			5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	647.68	36.45
26 27 23 00-0051	EA			5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	738.33	36.45
26 27 23 00-0052				2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053	EA			2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	309.67	36.45
26 27 23 00-0054	EA			2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	293.36	36.45
26 27 23 00-0055	EA			2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	374.77	36.45
26 27 26				Wiring Devices <small>(26 27)</small> Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001				Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002				General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003				Receptacle Assemblies <small>(26 27 26 00-0002)</small> Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA			1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	64.98	29.19
26 27 26 00-0005	EA			1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	69.55	31.25
26 27 26 00-0006	EA			2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	83.42	37.41
26 27 26 00-0007	EA			2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	92.56	41.52
26 27 26 00-0008	EA			1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	71.23	29.19
26 27 26 00-0009	EA			1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	76.13	31.25
26 27 26 00-0010				Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011	EA			15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase.....	18.15	8.22
26 27 26 00-0012	EA			15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase.....	17.79	8.22
26 27 26 00-0013	EA			15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	19.94	8.22
26 27 26 00-0014	EA			15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	21.18	8.22
26 27 26 00-0015	EA			15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase.....	26.87	10.27
26 27 26 00-0016	EA			15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase.....	30.95	10.27
26 27 26 00-0017	EA			20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase.....	18.63	8.22
26 27 26 00-0018	EA			20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase.....	18.25	8.22
26 27 26 00-0019	EA			20 Amp, Single Receptacle, 120/277 Volt	23.85	8.22
26 27 26 00-0020	EA			20 Amp, Duplex Receptacle, 120/277 Volt	20.79	8.22
26 27 26 00-0021	EA			20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase.....	26.87	10.27
26 27 26 00-0022	EA			20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase.....	30.95	10.27
26 27 26 00-0023	EA			20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase.....	44.04	10.27
26 27 26 00-0024	EA			20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase.....	44.04	10.27
26 27 26 00-0025	EA			25 Amp, Duplex Receptacle, 120/277 Volt	39.75	12.34

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0026			Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027			Specialty (26 27 26 00-0026)		
26 27 26 00-0028	EA		30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	38.03	14.39
26 27 26 00-0029	EA		30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	38.03	14.39
26 27 26 00-0030	EA		30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	48.95	14.39
26 27 26 00-0031	EA		30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	52.25	14.39
26 27 26 00-0032	EA		30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	56.37	16.45
26 27 26 00-0033	EA		50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	52.97	16.45
26 27 26 00-0034	EA		50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	52.02	16.45
26 27 26 00-0035	EA		50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	47.09	16.45
26 27 26 00-0036	EA		50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	58.73	16.45
26 27 26 00-0037	EA		50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	61.58	16.45
26 27 26 00-0038	EA		50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	65.69	18.50
26 27 26 00-0039	EA		60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	72.41	20.56
26 27 26 00-0040	EA		60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	80.63	24.67
26 27 26 00-0041	EA		100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	734.81	193.23
26 27 26 00-0042	EA		400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,626.69	236.39
26 27 26 00-0043	EA		30 Amp, Dryer Receptacle, 230 Volt	44.86	16.45
26 27 26 00-0044	EA		60 Amp, Range Receptacle, 230 Volt	66.10	24.67
26 27 26 00-0045	EA		15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	38.38	10.27
26 27 26 00-0046	EA		Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	805.99	250.55
26 27 26 00-0047			Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048	EA		15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	50.20	8.22
			Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA		20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	33.74	10.27
26 27 26 00-0050	EA		20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	33.65	10.27
26 27 26 00-0051	EA		30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	48.33	16.45
26 27 26 00-0052	EA		Locking 15 Amp, 250 Volt Isolated Ground Receptacles	36.88	10.27
26 27 26 00-0053	EA		Locking 15 Amp, 277 Volt Isolated Ground Receptacles	34.44	10.27
26 27 26 00-0054	EA		Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	46.19	12.34
26 27 26 00-0055	EA		Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	38.58	12.34
26 27 26 00-0056	EA		Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	47.09	12.34
26 27 26 00-0057	EA		Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	55.39	12.34
26 27 26 00-0058	EA		Locking 30 Amp, 277 Volt Isolated Ground Receptacles	57.76	16.45
26 27 26 00-0059			Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060	EA		1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	428.70	20.56
26 27 26 00-0061	EA		3/4", 20 Amp, 2 Watt,, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	403.37	22.61
26 27 26 00-0062	EA		3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	662.91	41.11
26 27 26 00-0063	EA		3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	828.18	41.11
26 27 26 00-0064	EA		1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,054.16	61.67
26 27 26 00-0065	EA		1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,021.44	61.67
26 27 26 00-0066			Ground Fault Interrupter (26 27 26 00-0026)		
26 27 26 00-0067	EA		15 Amp GFI, Duplex Receptacle	21.97	10.27
26 27 26 00-0068	EA		20 Amp GFI, Duplex Receptacle	33.05	12.34
26 27 26 00-0069			Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0070	EA		Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase	41.61	10.27
26 27 26 00-0071	EA		Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase	42.86	10.27
26 27 26 00-0072	EA		Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles	33.93	12.34
26 27 26 00-0073	EA		Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles	33.98	12.34
26 27 26 00-0074	EA		Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles	35.90	12.34
26 27 26 00-0075	EA		Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles	40.35	12.34
26 27 26 00-0076	EA		Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles	37.70	12.34
26 27 26 00-0077	EA		Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles	38.37	12.34
26 27 26 00-0078	EA		Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles	43.49	16.45
26 27 26 00-0079	EA		Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles	44.10	16.45
26 27 26 00-0080	EA		Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase	50.56	16.45
26 27 26 00-0081			Hospital Grade Receptacle (26 27 26 00-0026)		
26 27 26 00-0082	EA		15 A Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	32.46	8.22
26 27 26 00-0083	EA		20 A Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	34.95	8.22
26 27 26 00-0084	EA		120 V Transient Voltage Surge Suppressor Receptacle	88.63	24.67
			Note: Hospital grade receptacle.		
26 27 26 00-0085			Pin And Sleeve Receptacle (26 27 26 00-0026)		
26 27 26 00-0086	EA		Pin And Sleeve, 20 Amp, 120/208 Volt Power Receptacles And Box	98.10	20.56
			For Straight Plug, Add	70.21	
26 27 26 00-0087	EA		Pin And Sleeve, 20 Amp, 277/480 Volt Power Receptacles And Box	98.10	20.56
			For Straight Plug, Add	70.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0088 EA Pin And Sleeve, 30 Amp, 120/208 Volt Power Receptacles And Box..... <i>For Straight Plug, Add</i>	119.63 103.06	24.67
26 27 26 00-0089 EA Pin And Sleeve, 30 Amp, 277/480 Volt Power Receptacles And Box..... <i>For Straight Plug, Add</i>	119.63 103.06	24.67
26 27 26 00-0090 EA Pin And Sleeve, 60 Amp, 120/208 Volt Power Receptacles And Box..... <i>For Straight Plug, Add</i>	241.99 128.99	41.11
26 27 26 00-0091 EA Pin And Sleeve, 60 Amp, 277/480 Volt Power Receptacles And Box..... <i>For Straight Plug, Add</i>	241.99 128.99	41.11
26 27 26 00-0092 EA Pin And Sleeve, 100 Amp, 120/208 Volt Power Receptacles And Box..... <i>For Straight Plug, Add</i>	328.46 210.48	51.39
26 27 26 00-0093 EA Pin And Sleeve, 100 Amp, 277/480 Volt Power Receptacles And Box..... <i>For Straight Plug, Add</i>	328.46 210.48	51.39
26 27 26 00-0094 EA Pin And Sleeve, 200 Amp, 120/208 Volt Power Receptacles And Box..... <i>For Straight Plug, Add</i>	489.51 317.87	61.67
26 27 26 00-0095 Corrosion Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0096 EA Corrosion Resistant, 15/20 Amp, 125 V Power Receptacles.....	38.22	8.22
26 27 26 00-0097 EA Corrosion Resistant, 15/20 Amp, 250 V Power Receptacles.....	72.01	10.27
26 27 26 00-0098 Tamper Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0099 EA 15 Amp, 125 V Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	19.27	8.22
26 27 26 00-0100 EA 20 Amp, 125 V Duplex Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	20.73	8.22
26 27 26 00-0101 EA 15 Amp, 125 V Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	24.90	8.22
26 27 26 00-0102 EA 20 Amp, 125 V Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	26.85	8.22
26 27 26 00-0103 EA 15 Amp, 125 V Duplex GFCI Tamper Resistant Receptacle..... Note: Pass & Seymour S1595-TR*CC8.	38.60	8.22
26 27 26 00-0104 EA 15 Amp, 125 V Duplex GFCI Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	41.40	8.22
26 27 26 00-0105 EA 20 Amp, 125 V Duplex GFCI Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	44.08	8.22
26 27 26 00-0106 Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0107 EA TV Receptacle With Cover (Type F) - Complete.....	47.28	19.07
26 27 26 00-0108 Switches (26 27 26)		
26 27 26 00-0109 Switches (26 27 26 00-0108)		
26 27 26 00-0110 Switch Assemblies (26 27 26 00-0109) Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0111 EA 1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	66.17	28.77
26 27 26 00-0112 EA 1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	71.33	31.25
26 27 26 00-0113 EA 2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	87.84	37.61
26 27 26 00-0114 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	96.51	41.73
26 27 26 00-0115 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	150.73	64.55
26 27 26 00-0116 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	163.75	70.71
26 27 26 00-0117 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	172.25	72.97
26 27 26 00-0118 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	189.60	81.19
26 27 26 00-0119 Switch Components (26 27 26 00-0109)		
26 27 26 00-0120 EA 15 Amp, 120/277 Volt, SPST Switch.....	19.80	8.22
26 27 26 00-0121 EA 15 Amp, 120/277 Volt, 3-Way Switch.....	24.96	10.27
26 27 26 00-0122 EA 15 Amp, 120/277 Volt, 4-Way Switch.....	45.65	16.45
26 27 26 00-0123 EA 15 Amp, 120/277 Volt, DPST Switch.....	21.75	8.22
26 27 26 00-0124 EA 15 Amp, 120/277 Volt, Thermal Switch.....	37.20	10.27
26 27 26 00-0125 EA 20 Amp, 120/277 Volt, SPST Switch.....	24.13	10.27
26 27 26 00-0126 EA 20 Amp, 120/277 Volt, 3-Way Switch.....	29.56	12.34
26 27 26 00-0127 EA 20 Amp, 120/277 Volt, 4-Way Switch.....	57.24	16.45
26 27 26 00-0128 EA 20 Amp, 120/277 Volt, DPST Switch.....	27.25	10.27
26 27 26 00-0129 EA 20 Amp, 120/277 Volt, DPDT Switch.....	28.64	10.27
26 27 26 00-0130 EA 15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off.....	44.95	10.29
26 27 26 00-0131 EA 15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off.....	56.01	10.29
26 27 26 00-0132 EA Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	43.86	12.36
26 27 26 00-0133 EA 20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off..... Note: Or 250 VAC 10 Amp, double throw BAT handle.	35.71	14.39
26 27 26 00-0134 EA 20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	42.99	16.45
26 27 26 00-0135 EA 20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	57.26	16.45
26 27 26 00-0136 EA 30 Amp, 120/277 Volt, Single Pole Local Switch.....	46.66	16.47
26 27 26 00-0137 EA 30 Amp, 120/277 Volt, Double Pole Local Switch.....	56.60	16.47
26 27 26 00-0138 EA 30 Amp, 120/277 Volt, Three-Way Local Switch.....	60.00	20.59

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0139 EA 30 Amp, 120/277 Volt, Four-Way Local Switch.....	82.31	22.65
26 27 26 00-0140 EA 15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	26.94	13.46
26 27 26 00-0141 EA 15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot..... Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	26.94	13.46
26 27 26 00-0142 EA 15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position.....	26.94	13.46
26 27 26 00-0143 EA 15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position.....	26.94	13.46
26 27 26 00-0144 EA Automatic Door Switch, Door Open-Light On, 6 Amp, 125 V.....	13.34	6.68
26 27 26 00-0145 EA Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 V.....	13.34	6.68
26 27 26 00-0146 EA 15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle.....	25.70	25.70
26 27 26 00-0147 EA Momentary Contact Switch, Three Position, Center Off, Key Operated..... Note: 15A, 120/277 V, Single Pole	71.42	25.70
26 27 26 00-0148 Specialty Switches (26 27 26 00-0108)		
26 27 26 00-0149 Dimmers With SPST Switch (26 27 26 00-0148)		
26 27 26 00-0150 EA 600 Watt Dimmers With SPST Switch.....	44.23	18.50
26 27 26 00-0151 EA 1,000 Watt Dimmers With SPST Switch.....	66.81	18.50
26 27 26 00-0152 EA 1,500 Watt Dimmers With SPST Switch.....	117.88	29.77
26 27 26 00-0153 EA 2,000 Watt Dimmers With SPST Switch.....	146.69	29.77
26 27 26 00-0154 EA 600 Watt Fluorescent Dimmer Switch.....	85.40	21.95
26 27 26 00-0155 EA 1,000 Watt Fluorescent Dimmer Switch.....	110.20	21.95
26 27 26 00-0156 EA 1,500 Watt Fluorescent Dimmer Switch.....	194.86	33.13
26 27 26 00-0157 EA Remote Speed Switch For Paddle Fan.....	70.72	27.38
26 27 26 00-0158 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	113.64	40.86
26 27 26 00-0159 Time Switches (26 27 26 00-0148)		
26 27 26 00-0160 EA 40 Amp, SPST, 125 Volt, Standard Time Switch.....	75.41	24.67
26 27 26 00-0161 EA 40 Amp, SPST, 277 Volt, Standard Time Switch.....	76.72	24.67
26 27 26 00-0162 EA 40 Amp, DPST, 125 Volt, Standard Time Switch.....	75.41	24.67
26 27 26 00-0163 EA 40 Amp, DPST, 277 Volt, Standard Time Switch.....	76.72	24.67
26 27 26 00-0164 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch.....	84.11	24.67
26 27 26 00-0165 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch.....	84.11	24.67
26 27 26 00-0166 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	135.41	24.67
26 27 26 00-0167 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	135.41	24.67
26 27 26 00-0168 EA 20 Amp, SPST, 125 Volt, Programmable Time Switch.....	118.95	24.67
26 27 26 00-0169 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch.....	129.00	24.67
26 27 26 00-0170 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof.....	129.00	24.67
26 27 26 00-0171 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch.....	152.75	24.67
26 27 26 00-0172 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch.....	156.75	24.67
26 27 26 00-0173 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof.....	75.41	24.67
26 27 26 00-0174 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof.....	76.72	24.67
26 27 26 00-0175 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof.....	75.41	24.67
26 27 26 00-0176 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof.....	76.72	24.67
26 27 26 00-0177 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof.....	84.11	24.67
26 27 26 00-0178 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof.....	84.11	24.67
26 27 26 00-0179 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof.....	135.41	24.67
26 27 26 00-0180 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof.....	135.41	24.67
26 27 26 00-0181 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof.....	152.75	24.67
26 27 26 00-0182 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof.....	156.75	24.67
26 27 26 00-0183 Low Voltage Switching (26 27 26 00-0148)		
26 27 26 00-0184 EA 36 Pin Male Or Female Connector.....	100.78	8.22
26 27 26 00-0185 Other Switches (26 27 26 00-0148)		
26 27 26 00-0186 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	26.29	12.34
26 27 26 00-0187 EA Locking Switch, SPST Concealed Devices.....	76.97	32.89
26 27 26 00-0188 EA Locking Switch, 3-Way Concealed Devices.....	77.69	32.89
26 27 26 00-0189 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	81.40	30.75
26 27 26 00-0190 EA 15A Momentary Contact Switch.....	78.55	30.75
26 27 26 00-0191 EA 20A Momentary Contact Switch.....	81.55	30.75
26 27 26 00-0192 EA 2-1/4" Handy Box Cover Units Fuseholder Switch.....	82.48	37.07
26 27 26 00-0193 EA 2-3/4" Handy Box Cover Units Fuseholder Switch.....	83.31	37.07
26 27 26 00-0194 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	102.30	45.30
26 27 26 00-0195 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch.....	93.01	41.18
26 27 26 00-0196 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	93.22	41.18
26 27 26 00-0197 Plates And Covers (26 27 26)		
26 27 26 00-0198 Wall Plates (26 27 26 00-0197)		
26 27 26 00-0199 Nylon Wall Plates (26 27 26 00-0198)		
26 27 26 00-0200 EA 1 Gang Nylon Switch Plate.....	1.18	0.41
26 27 26 00-0201 EA 2 Gang Nylon Switch Plate.....	1.96	0.62
26 27 26 00-0202 EA 3 Gang Nylon Switch Plate.....	2.76	0.82
26 27 26 00-0203 EA 4 Gang Nylon Switch Plate.....	3.90	1.03
26 27 26 00-0204 EA 1 Gang Duplex Nylon Wall Plate.....	1.19	0.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0205 EA 2 Gang Duplex Nylon Wall Plate.....	2.00	0.62
26 27 26 00-0206 Plastic Wall Plates (26 27 26 00-0198)		
26 27 26 00-0207 EA 1 Gang Plastic Switch Plate.....	1.11	0.41
26 27 26 00-0208 EA 2 Gang Plastic Switch Plate.....	1.81	0.62
26 27 26 00-0209 EA 3 Gang Plastic Switch Plate.....	2.53	0.82
26 27 26 00-0210 EA 4 Gang Plastic Switch Plate.....	3.90	1.03
26 27 26 00-0211 EA 1 Gang Duplex Plastic Wall Plate.....	1.11	0.41
26 27 26 00-0212 EA 2 Gang Duplex Plastic Wall Plate.....	1.82	0.62
26 27 26 00-0213 Brass Wall Plates (26 27 26 00-0198)		
26 27 26 00-0214 EA 1 Gang 0.04" Brass Switch Plate.....	10.52	1.86
26 27 26 00-0215 EA 2 Gang 0.04" Brass Switch Plate.....	19.10	2.14
26 27 26 00-0216 EA 3 Gang 0.04" Brass Switch Plate.....	27.57	2.39
26 27 26 00-0217 EA 4 Gang 0.04" Brass Switch Plate.....	42.35	2.59
26 27 26 00-0218 EA 5 Gang 0.04" Brass Switch Plate.....	51.39	2.76
26 27 26 00-0219 EA 6 Gang 0.04" Brass Switch Plate.....	59.32	2.88
26 27 26 00-0220 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	10.52	1.86
26 27 26 00-0221 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	22.20	2.14
26 27 26 00-0222 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	31.66	2.39
26 27 26 00-0223 Stainless Steel Wall Plates (26 27 26 00-0198)		
26 27 26 00-0224 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	6.04	1.86
26 27 26 00-0225 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	9.30	2.14
26 27 26 00-0226 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	12.69	2.39
26 27 26 00-0227 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	18.18	2.59
26 27 26 00-0228 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	21.27	2.76
26 27 26 00-0229 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	25.50	2.88
26 27 26 00-0230 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	6.53	1.86
26 27 26 00-0231 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	10.46	2.14
26 27 26 00-0232 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	16.54	2.39
26 27 26 00-0233 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	19.85	2.59
26 27 26 00-0234 Chrome Wall Plates (26 27 26 00-0198)		
26 27 26 00-0235 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	20.17	1.86
26 27 26 00-0236 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	37.18	2.14
26 27 26 00-0237 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	54.13	2.39
26 27 26 00-0238 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	20.16	1.86
26 27 26 00-0239 Weatherproof Covers (26 27 26 00-0197)		
26 27 26 00-0240 Stamped Metallic Weatherproof Covers (26 27 26 00-0239)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0241 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	8.18	0.41
26 27 26 00-0242 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	8.86	0.41
26 27 26 00-0243 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	8.86	0.41
26 27 26 00-0244 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	8.86	0.41
26 27 26 00-0245 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	10.87	0.62
26 27 26 00-0246 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	12.34	0.62
26 27 26 00-0247 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	12.49	0.62
26 27 26 00-0248 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	12.49	0.62
26 27 26 00-0249 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	16.97	0.62
26 27 26 00-0250 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	16.09	0.82
26 27 26 00-0251 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	17.59	0.82
26 27 26 00-0252 Cast Metallic Weatherproof Covers (26 27 26 00-0239)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0253 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.01	0.41
26 27 26 00-0254 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	31.95	0.41
26 27 26 00-0255 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	35.83	0.41
26 27 26 00-0256 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	9.94	0.41
26 27 26 00-0257 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	27.09	0.41
26 27 26 00-0258 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	45.05	0.41
26 27 26 00-0259 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	57.36	0.41
26 27 26 00-0260 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	12.49	0.62
26 27 26 00-0261 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	90.60	0.62
26 27 26 00-0262 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	20.91	0.82
26 27 26 00-0263 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	86.57	0.82
26 27 26 00-0264 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0239)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0265 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.51	0.41
26 27 26 00-0266 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.50	0.41
26 27 26 00-0267 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.04	0.62

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0268 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	6.55	0.62
26 27 26 00-0269 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	6.55	0.62
26 27 26 00-0270 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	7.29	0.62
26 27 26 00-0271 Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0239) Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0272 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	35.57	0.41
26 27 26 00-0273 Polycarbonate Weatherproof Covers (26 27 26 00-0239) Note: Includes neoprene gasket.		
26 27 26 00-0274 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.19	0.41
26 27 26 00-0275 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.19	0.41
26 27 26 00-0276 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.19	0.41
26 27 26 00-0277 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.90	0.62
26 27 26 00-0278 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.90	0.62
26 27 26 00-0279 High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0239) Note: Includes neoprene gasket.		
26 27 26 00-0280 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	44.66	0.41
26 27 26 00-0281 Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0239) Note: Includes neoprene gasket.		
26 27 26 00-0282 EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	727.40	0.41
26 27 26 00-0283 EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	749.37	0.62
26 27 26 00-0284 EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	730.00	0.41
26 27 26 00-0285 EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,698.41	0.41
26 27 26 00-0286 EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,980.75	0.41
26 27 26 00-0287 EA 20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,591.51	0.41
26 27 26 00-0288 EA 30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,166.95	0.41
26 27 26 00-0289 EA 50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,378.41	0.41
26 27 26 00-0290 EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,224.53	0.41
26 27 26 00-0291 EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	1,758.85	0.62
26 27 26 00-0292 Removal And Reinstallation Of Wiring Devices (26 27 26) Note: Includes storage and cleaning.		
26 27 26 00-0293 EA Remove And Reinstall Receptacle, Switch, Outlet Or Special System Device	54.09	
26 27 26 00-0294 EA Remove And Reinstall Receptacle Or Switch Outlet Cover Plate	6.86	
26 27 26 00-0295 Relay Systems (26 27 26)		
26 27 26 00-0296 EA Relay 2 Position, 10 Amp, 24 Volt Coil	56.88	18.50
26 27 26 00-0297 EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	229.90	61.67
26 27 26 00-0298 EA Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	377.75	82.23
26 27 26 00-0299 Limit Switches (26 27 26)		
26 27 26 00-0300 Heavy Duty Precision Oiltight (26 27 26 00-0299)		
26 27 26 00-0301 Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0300)		
26 27 26 00-0302 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	268.23	51.80
26 27 26 00-0303 In Line Midget Fuseholders (26 27 26) See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0304 EA Single Pole Water Resistant In Line Midget Fuseholder	52.86	
26 27 26 00-0305 EA Double Pole Water Resistant In Line Midget Fuseholder.....	111.24	
26 27 73 Door Chimes (26 27)		
26 27 73 00-0001 Door Chimes (26 27 73)		
26 27 73 00-0002 EA Door Bell, Push-button And Transformer - Complete.....	413.07	171.28
26 27 73 00-0003 EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	148.39	41.11
26 27 73 00-0004 EA Replacement Bell/Buzzer - Complete	62.85	20.56
Note: Includes removal of existing.		

26 28 Low-Voltage Circuit Protective Devices (26 20)

26 28 13 Fuses (26 28)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses^(26 13)		
26 28 13 00-0002 EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.33	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0003 EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.00	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0004 EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.54	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0005 EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.48	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0006 EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.90	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0007 EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.08	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0008 EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	15.88	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0009 EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.28	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0010 EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.03	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0011 EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.50	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0012 EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.17	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0013 Class RK1, Time Delay Fuses^(26 28 13)		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses^(26 13 00-0013)		
26 28 13 00-0015 EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	25.23	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0016 EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.78	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0017 EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.79	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0018 EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.66	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0019 EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.65	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0020 EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.04	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0021 EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.43	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0022 EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.31	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0023 EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.44	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0024 EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.28	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0025 EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.12	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0026 EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.64	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0027 EA 45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.00	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0028 EA 50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.70	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0029 EA 60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.26	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses^(26 28 13 00-0013)		
26 28 13 00-0031 EA 70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	48.73	7.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0032 EA 80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	48.49	7.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0033 EA 90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	53.41	7.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0034 EA 100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	48.11	7.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0035 EA 110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	129.04	7.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0036 EA 125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	95.53	7.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 28 13 00-0037 EA 150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	88.52	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 28 13 00-0038 EA 200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	92.99	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 28 13 00-0039 EA 250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	170.09	8.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 28 13 00-0040 EA 300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	183.72	10.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0041 EA 350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	197.07	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 28 13 00-0042 EA 400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	153.27	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 28 13 00-0043 EA 450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	333.98	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 28 13 00-0044 EA 500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	317.71	12.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 28 13 00-0045 EA 600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	249.41	12.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ⁽²⁶		
<small>28 13 00-0013)</small>		
26 28 13 00-0047 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.21	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0048 EA 2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.89	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0049 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	32.95	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0050 EA 4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.59	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0051 EA 5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.04	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0052 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.24	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0053 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.12	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0054 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.91	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0055 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.63	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0056 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.04	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0057 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.60	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0058 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.70	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0059 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.91	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0060 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.28	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0061 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.61	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^{(26 28}		
<small>13 00-0013)</small>		
26 28 13 00-0063 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	79.73	7.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 28 13 00-0064 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	82.00	8.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 28 13 00-0065 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	81.58	8.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 28 13 00-0066 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	81.91	8.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 28 13 00-0067 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	146.25	8.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 28 13 00-0068 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	148.38	8.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 28 13 00-0069 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	147.61	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 28 13 00-0070 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	147.26	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 28 13 00-0071 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	275.48	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 28 13 00-0072 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	278.42	12.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 28 13 00-0073 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	313.06	12.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 28 13 00-0074 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	284.31	12.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 28 13 00-0075 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	504.99	12.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 28 13 00-0076 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	452.16	14.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0077 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	395.48	14.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses ^(26 28 13)		
Note: 250/300 Volt DC.		
26 28 13 00-0079 EA 1 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.54	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0080 EA 2 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.93	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0081 EA 3 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.82	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0082 EA 5 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.70	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0083 EA 6 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.51	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0084 EA 8 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.60	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0085 EA 10 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.02	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0086 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.71	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0087 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.23	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0088 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.14	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0089 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.07	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse^(26 28 13)		
26 28 13 00-0091 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.61	4.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 28 13 00-0092 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.86	4.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 28 13 00-0093 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	30.76	4.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 28 13 00-0094 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.21	6.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 28 13 00-0095 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.81	6.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 28 13 00-0096 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.27	6.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 28 13 00-0097 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	40.01	8.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 28 13 00-0098 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	33.96	8.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 28 13 00-0099 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	56.55	8.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 28 13 00-0100 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	48.77	8.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 28 13 00-0101 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	55.36	8.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 28 13 00-0102 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	50.52	10.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 28 13 00-0103 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	49.68	10.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 28 13 00-0104 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	75.47	12.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 28 13 00-0105 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	80.09	12.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 28 13 00-0106 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	78.91	12.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 28 13 00-0107 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	70.77	14.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.63	
26 28 13 00-0108 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	156.94	14.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.63	
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	134.35	14.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.63	
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	129.35	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	131.14	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	110.14	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0113 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	267.23	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0114 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	247.62	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0115 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	228.76	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0116 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	248.83	16.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 28 13 00-0117 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	207.66	18.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.10	
26 28 13 00-0118 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	431.68	18.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.10	
26 28 13 00-0119 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	368.59	20.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	
26 28 13 00-0120 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	276.56	20.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.33	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0121			600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
26 28 13 00-0122	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	814.54	10.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0123	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	816.14	10.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0124	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	817.63	10.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 28 13 00-0125	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	816.02	12.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 28 13 00-0126	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	752.01	12.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 28 13 00-0127	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	805.23	14.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 28 13 00-0128	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	741.69	14.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 28 13 00-0129	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	828.71	14.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 28 13 00-0130	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	812.67	14.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 28 13 00-0131	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	724.63	16.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0132	EA		601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	743.91	16.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0133	EA		650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	986.31	16.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0134	EA		700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	721.13	16.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 28 13 00-0135	EA		750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,103.94	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0136	EA		800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	639.82	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0137	EA		900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	930.02	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0138	EA		1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	629.22	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0139	EA		1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	647.66	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0140	EA		1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,428.30	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0141	EA		1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,408.37	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0142	EA		1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,271.59	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 28 13 00-0143	EA		1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	799.04	20.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 28 13 00-0144	EA		1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,681.68	20.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 28 13 00-0145	EA		2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,080.38	20.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 28 13 00-0146	EA		2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,456.80	20.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 28 13 00-0147	EA		2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,474.32	20.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.33	
26 28 13 00-0148	EA		3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,623.87	22.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.57	
26 28 13 00-0149	EA		3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,345.72	22.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.57	
26 28 13 00-0150	EA		3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,880.33	22.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.57	
26 28 13 00-0151	EA		4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,248.67	22.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.57	
26 28 13 00-0152	EA		5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,542.02	22.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.57	
26 28 13 00-0153	EA		6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,855.81	22.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.57	

26 28 16 Enclosed Switches And Circuit Breakers ^(26 28)

26 28 16 00-0001			Motor And Circuit Disconnects ^(26 28 16)		
			Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002			Safety Switches, NEMA 1 Enclosure, Neutral Kit ^(26 28 16 00-0001)		
26 28 16 00-0003			Heavy Duty Fusible Switches ^(26 28 16 00-0002)		
			Note: Includes fuses and neutral bar.		
26 28 16 00-0004			240 Volt Class, 2 Wire, 2 Blades And Fuseholders ^(26 28 16 00-0003)		
26 28 16 00-0005	EA		30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	282.45	82.23
26 28 16 00-0006	EA		60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	434.17	99.08
26 28 16 00-0007	EA		100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	590.16	115.94
26 28 16 00-0008	EA		200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,011.11	182.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0009 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,116.23	283.68
26 28 16 00-0010 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,516.38	419.35
26 28 16 00-0011 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,771.62	493.35
26 28 16 00-0012 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	6,378.43	575.58
26 28 16 00-0013 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0003)</small>		
26 28 16 00-0014 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	418.94	91.36
26 28 16 00-0015 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	505.41	110.10
26 28 16 00-0016 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	788.77	128.68
26 28 16 00-0017 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,170.41	203.10
26 28 16 00-0018 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,512.50	315.09
26 28 16 00-0019 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,908.37	465.72
26 28 16 00-0020 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	5,734.08	547.87
26 28 16 00-0021 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,798.73	639.54
26 28 16 00-0022 240 Volt Class, 3 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0003)</small>		
26 28 16 00-0023 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	405.80	129.09
26 28 16 00-0024 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	591.75	171.44
26 28 16 00-0025 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	783.70	190.35
26 28 16 00-0026 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,238.69	298.06
26 28 16 00-0027 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,531.06	489.24
26 28 16 00-0028 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,080.84	685.35
26 28 16 00-0029 600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0003)</small>		
26 28 16 00-0030 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	521.72	142.66
26 28 16 00-0031 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	665.99	190.35
26 28 16 00-0032 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	959.76	214.19
26 28 16 00-0033 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,416.74	326.44
26 28 16 00-0034 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,090.51	527.06
26 28 16 00-0035 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,945.04	761.41
26 28 16 00-0036 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,769.14	904.48
26 28 16 00-0037 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,889.35	1,027.82
26 28 16 00-0038 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0003)</small>		
26 28 16 00-0039 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	394.47	129.09
26 28 16 00-0040 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	577.10	171.44
26 28 16 00-0041 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	757.06	190.35
26 28 16 00-0042 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,275.33	298.06
26 28 16 00-0043 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,737.57	489.24
26 28 16 00-0044 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,391.52	685.35
26 28 16 00-0045 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,180.40	863.37
26 28 16 00-0046 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	8,829.11	986.71
26 28 16 00-0047 600 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0003)</small>		
26 28 16 00-0048 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	563.30	142.66
26 28 16 00-0049 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	717.09	190.35
26 28 16 00-0050 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,034.47	214.19
26 28 16 00-0051 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,528.59	326.44
26 28 16 00-0052 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,329.15	527.06
26 28 16 00-0053 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,366.50	761.41
26 28 16 00-0054 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	8,468.86	904.48
26 28 16 00-0055 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	10,645.20	1,027.82
26 28 16 00-0056 Heavy Duty Non-Fusible Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0057 240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0056)</small>		
26 28 16 00-0058 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	275.28	118.98
26 28 16 00-0059 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	423.24	165.52
26 28 16 00-0060 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	574.72	190.35
26 28 16 00-0061 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	901.70	304.56
26 28 16 00-0062 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,794.91	507.57
26 28 16 00-0063 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,903.42	692.17
26 28 16 00-0064 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	4,111.01	822.25
26 28 16 00-0065 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	5,399.91	959.64
26 28 16 00-0066 600 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0056)</small>		
26 28 16 00-0067 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	304.03	131.32
26 28 16 00-0068 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	478.87	185.75
26 28 16 00-0069 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	648.77	211.49
26 28 16 00-0070 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,007.46	331.04
26 28 16 00-0071 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,931.01	543.84
26 28 16 00-0072 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,210.94	761.32
26 28 16 00-0073 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	4,538.74	822.25

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0074 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	5,985.68	959.64
26 28 16 00-0075 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0056)		
26 28 16 00-0076 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	324.95	106.89
26 28 16 00-0077 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	492.34	148.83
26 28 16 00-0078 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	654.19	171.44
26 28 16 00-0079 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,029.49	274.22
26 28 16 00-0080 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,030.15	456.76
26 28 16 00-0081 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,234.44	622.85
26 28 16 00-0082 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	5,453.98	740.03
26 28 16 00-0083 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	7,073.23	863.37
26 28 16 00-0084 480 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0056)		
26 28 16 00-0085 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	354.98	118.00
26 28 16 00-0086 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	542.55	167.33
26 28 16 00-0087 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	714.52	190.35
26 28 16 00-0088 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,111.53	298.06
26 28 16 00-0089 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	2,175.15	489.24
26 28 16 00-0090 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	3,501.07	685.35
26 28 16 00-0091 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	5,736.78	740.03
26 28 16 00-0092 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0056)		
26 28 16 00-0093 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	376.08	118.16
26 28 16 00-0094 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	578.53	167.17
26 28 16 00-0095 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	773.04	190.35
26 28 16 00-0096 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,201.67	297.90
26 28 16 00-0097 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,301.23	489.40
26 28 16 00-0098 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,874.22	685.19
26 28 16 00-0099 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	6,162.95	740.03
26 28 16 00-0100 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	8,027.63	863.37
26 28 16 00-0101 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0056)		
26 28 16 00-0102 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	527.61	107.06
26 28 16 00-0103 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	644.33	149.00
26 28 16 00-0104 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	967.68	171.28
26 28 16 00-0105 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,458.24	274.06
26 28 16 00-0106 480 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0056)		
26 28 16 00-0107 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	572.17	118.00
26 28 16 00-0108 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	705.42	167.33
26 28 16 00-0109 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,050.41	190.35
26 28 16 00-0110 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,570.92	298.06
26 28 16 00-0111 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0056)		
26 28 16 00-0112 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	630.90	118.16
26 28 16 00-0113 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	770.20	167.17
26 28 16 00-0114 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,166.90	190.35
26 28 16 00-0115 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,740.61	297.90
26 28 16 00-0116 General Duty Fusible Switches (26 28 16 00-0002)		
Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 2 Wire, 1 Blade And Fuseholder (26 28 16 00-0116)		
26 28 16 00-0118 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	201.10	71.53
26 28 16 00-0119 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	270.10	86.09
26 28 16 00-0120 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	404.24	100.65
26 28 16 00-0121 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	738.54	158.78
26 28 16 00-0122 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,710.18	246.27
26 28 16 00-0123 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	3,164.33	364.50
26 28 16 00-0124 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0116)		
26 28 16 00-0125 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	282.70	112.40
26 28 16 00-0126 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	395.62	149.00
26 28 16 00-0127 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	533.97	165.52
26 28 16 00-0128 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	939.85	259.09
26 28 16 00-0129 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,070.38	425.60
26 28 16 00-0130 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	3,630.05	595.80
26 28 16 00-0131 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0116)		
26 28 16 00-0132 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	310.10	112.40
26 28 16 00-0133 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	439.80	149.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0134 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	574.17	165.52
26 28 16 00-0135 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	1,041.13	259.09
26 28 16 00-0136 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,243.50	425.60
26 28 16 00-0137 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	3,739.79	595.80
26 28 16 00-0138 General Duty Non-Fusible Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0139 240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0138)</small>		
26 28 16 00-0140 EA 60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	275.41	99.49
26 28 16 00-0141 EA 100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	360.21	114.38
26 28 16 00-0142 EA 200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	786.84	182.78
26 28 16 00-0143 EA 400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,656.52	304.24
26 28 16 00-0144 EA 600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,828.05	414.58
26 28 16 00-0145 240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0138)</small>		
26 28 16 00-0146 EA 30 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	259.87	93.08
26 28 16 00-0147 EA 60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	356.76	129.50
26 28 16 00-0148 EA 100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	525.66	149.00
26 28 16 00-0149 EA 200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	898.40	238.37
26 28 16 00-0150 EA 400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,843.17	397.32
26 28 16 00-0151 EA 600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,083.21	541.53
26 28 16 00-0152 Safety Switches, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs <small>(26 28 16 00-0001)</small>		
26 28 16 00-0153 Heavy Duty Fusible Switches <small>(26 28 16 00-0152)</small>		
<small>Note: With fuses, neutral bar, and hub if required.</small>		
26 28 16 00-0154 240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0155 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	406.28	96.62
26 28 16 00-0156 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	632.94	115.94
26 28 16 00-0157 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	787.51	134.84
26 28 16 00-0158 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,155.63	205.56
26 28 16 00-0159 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	2,509.18	328.90
26 28 16 00-0160 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	4,348.88	438.67
26 28 16 00-0161 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	6,462.16	493.35
26 28 16 00-0162 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	8,535.27	575.58
26 28 16 00-0163 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0164 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	685.95	128.76
26 28 16 00-0165 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	818.41	157.88
26 28 16 00-0166 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,146.47	181.31
26 28 16 00-0167 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,621.14	271.91
26 28 16 00-0168 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	3,475.90	444.92
26 28 16 00-0169 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	6,319.06	611.84
26 28 16 00-0170 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	9,221.58	704.51
26 28 16 00-0171 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	10,164.51	793.06
26 28 16 00-0172 240 Volt Class, 3 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0173 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	528.54	152.11
26 28 16 00-0174 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	824.73	201.45
26 28 16 00-0175 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	986.28	221.19
26 28 16 00-0176 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,467.69	342.46
26 28 16 00-0177 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,113.90	571.05
26 28 16 00-0178 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,126.68	761.41
26 28 16 00-0179 600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0180 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	790.31	180.32
26 28 16 00-0181 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	945.04	221.02
26 28 16 00-0182 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,250.34	253.74
26 28 16 00-0183 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,820.57	380.70
26 28 16 00-0184 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,770.63	622.94
26 28 16 00-0185 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	6,715.98	856.54
26 28 16 00-0186 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	9,427.11	986.71
26 28 16 00-0187 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	11,259.64	1,110.03
26 28 16 00-0188 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0189 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	575.00	152.11
26 28 16 00-0190 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	826.08	201.45
26 28 16 00-0191 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,051.61	221.19
26 28 16 00-0192 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,511.26	342.46
26 28 16 00-0193 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,153.87	571.05
26 28 16 00-0194 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,566.35	761.41
26 28 16 00-0195 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	9,146.65	863.37
26 28 16 00-0196 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	11,369.94	986.71

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0197 600 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0198 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	816.97	180.49
26 28 16 00-0199 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	975.01	221.19
26 28 16 00-0200 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,316.95	253.66
26 28 16 00-0201 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,863.87	380.70
26 28 16 00-0202 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,927.18	622.85
26 28 16 00-0203 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	6,895.85	856.37
26 28 16 00-0204 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,993.49	986.71
26 28 16 00-0205 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	12,006.20	1,110.03
26 28 16 00-0206 Heavy Duty Non-Fusible Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0207 240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0206)</small>		
26 28 16 00-0208 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	383.21	84.61
26 28 16 00-0209 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	618.37	117.17
26 28 16 00-0210 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	806.19	134.35
26 28 16 00-0211 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,086.16	217.57
26 28 16 00-0212 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,375.94	362.94
26 28 16 00-0213 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	4,270.76	483.89
26 28 16 00-0214 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	6,800.37	575.82
26 28 16 00-0215 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	8,941.81	658.04
26 28 16 00-0216 600 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0206)</small>		
26 28 16 00-0217 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	430.74	93.24
26 28 16 00-0218 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	700.00	130.49
26 28 16 00-0219 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	908.81	147.35
26 28 16 00-0220 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,200.95	228.43
26 28 16 00-0221 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,685.60	380.70
26 28 16 00-0222 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	4,605.80	507.57
26 28 16 00-0223 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	7,248.61	603.20
26 28 16 00-0224 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,527.12	685.19
26 28 16 00-0225 240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0206)</small>		
26 28 16 00-0226 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	467.80	126.88
26 28 16 00-0227 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	735.50	175.72
26 28 16 00-0228 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	940.54	201.53
26 28 16 00-0229 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,303.69	326.36
26 28 16 00-0230 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,772.33	544.33
26 28 16 00-0231 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	4,820.19	725.64
26 28 16 00-0232 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	7,449.38	863.37
26 28 16 00-0233 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	9,808.19	986.71
26 28 16 00-0234 480 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0206)</small>		
26 28 16 00-0235 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	508.98	139.79
26 28 16 00-0236 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	803.09	195.78
26 28 16 00-0237 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,017.94	221.02
26 28 16 00-0238 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,382.83	342.63
26 28 16 00-0239 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	2,945.82	570.97
26 28 16 00-0240 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	5,131.77	761.32
26 28 16 00-0241 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	7,940.20	904.48
26 28 16 00-0242 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	10,448.70	1,027.82
26 28 16 00-0243 600 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	297.02	139.79
26 28 16 00-0245 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	830.51	195.78
26 28 16 00-0246 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,056.17	221.02
26 28 16 00-0247 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,429.35	342.63
26 28 16 00-0248 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,066.27	570.97
26 28 16 00-0249 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	5,113.36	761.32
26 28 16 00-0250 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	7,929.89	904.48
26 28 16 00-0251 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	10,434.67	1,027.82
26 28 16 00-0252 General Duty Fusible Switches <small>(26 28 16 00-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253 240 Volt Class, 2 Wire, 1 Blade And Fuseholder <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	257.21	84.03
26 28 16 00-0255 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	356.71	100.81
26 28 16 00-0256 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	463.85	117.25
26 28 16 00-0257 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	929.69	178.75
26 28 16 00-0258 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,221.51	285.98
26 28 16 00-0259 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,893.75	381.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0260 240 Volt Class, 3 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0252)</small>		
26 28 16 00-0261 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	354.35	132.47
26 28 16 00-0262 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Heavy Duty, With Fuses, 240 Volt, 3 Phase	505.77	175.23
26 28 16 00-0263 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	613.48	192.24
26 28 16 00-0264 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,168.59	297.90
26 28 16 00-0265 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,643.70	496.48
26 28 16 00-0266 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,460.63	662.24
26 28 16 00-0267 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0252)</small>		
26 28 16 00-0268 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	392.74	132.38
26 28 16 00-0269 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	544.35	175.23
26 28 16 00-0270 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	737.52	192.24
26 28 16 00-0271 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,248.67	297.90
26 28 16 00-0272 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,695.14	496.56
26 28 16 00-0273 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,861.88	662.24
26 28 16 00-0274 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	6,879.53	750.22
26 28 16 00-0275 General Duty Non-Fusible Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0276 240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0275)</small>		
26 28 16 00-0277 EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	231.30	73.60
26 28 16 00-0278 EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	372.09	101.88
26 28 16 00-0279 EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	394.53	116.84
26 28 16 00-0280 EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	950.81	189.12
26 28 16 00-0281 EA 400 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	2,281.02	315.58
26 28 16 00-0282 EA 600 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	3,973.99	420.75
26 28 16 00-0283 240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0275)</small>		
26 28 16 00-0284 EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	360.36	110.35
26 28 16 00-0285 EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	516.65	152.77
26 28 16 00-0286 EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	739.58	175.23
26 28 16 00-0287 EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	1,265.39	283.76
26 28 16 00-0288 Safety Switches, NEMA 4, 4X Or 5 Enclosure, Neutral Kit <small>(26 28 16 00-0001)</small>		
26 28 16 00-0289 Heavy Duty Fusible Switches <small>(26 28 16 00-0288)</small> Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290 240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0291 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,018.27	82.23
26 28 16 00-0292 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,223.31	99.08
26 28 16 00-0293 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,465.76	115.77
26 28 16 00-0294 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,418.26	182.70
26 28 16 00-0295 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	6,918.74	283.51
26 28 16 00-0296 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	9,949.20	419.19
26 28 16 00-0297 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0298 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,287.71	91.36
26 28 16 00-0299 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,434.92	110.02
26 28 16 00-0300 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,667.16	128.60
26 28 16 00-0301 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,776.87	203.10
26 28 16 00-0302 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,192.39	315.25
26 28 16 00-0303 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	10,317.59	465.72
26 28 16 00-0304 240 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0305 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,157.06	129.26
26 28 16 00-0306 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,453.45	171.28
26 28 16 00-0307 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,725.38	190.35
26 28 16 00-0308 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,883.70	297.90
26 28 16 00-0309 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,540.70	489.40
26 28 16 00-0310 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	10,756.60	685.19
26 28 16 00-0311 600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0312 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,393.93	142.74
26 28 16 00-0313 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,599.29	190.35
26 28 16 00-0314 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,845.66	214.11
26 28 16 00-0315 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,033.71	326.27
26 28 16 00-0316 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,795.12	527.06
26 28 16 00-0317 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	11,096.05	761.32

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0318 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0319 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,374.32	129.26
26 28 16 00-0320 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,725.04	171.28
26 28 16 00-0321 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,268.85	190.35
26 28 16 00-0322 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,626.87	297.90
26 28 16 00-0323 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,003.34	489.40
26 28 16 00-0324 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	12,766.62	685.19
26 28 16 00-0325 600 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0326 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,650.65	142.74
26 28 16 00-0327 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,890.40	190.35
26 28 16 00-0328 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,400.40	214.11
26 28 16 00-0329 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,783.08	326.27
26 28 16 00-0330 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,277.50	527.06
26 28 16 00-0331 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	13,133.48	761.32
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0333 240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0332)</small>		
26 28 16 00-0334 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	978.18	82.23
26 28 16 00-0335 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,195.68	114.38
26 28 16 00-0336 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,221.21	131.56
26 28 16 00-0337 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	3,091.59	210.16
26 28 16 00-0338 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	5,616.89	349.95
26 28 16 00-0339 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	8,036.10	476.75
26 28 16 00-0340 600 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0332)</small>		
26 28 16 00-0341 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,111.44	90.69
26 28 16 00-0342 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,361.46	128.27
26 28 16 00-0343 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,530.17	146.20
26 28 16 00-0344 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,509.73	228.43
26 28 16 00-0345 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	6,371.29	375.94
26 28 16 00-0346 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,147.00	526.24
26 28 16 00-0347 240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0332)</small>		
26 28 16 00-0348 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,027.85	107.06
26 28 16 00-0349 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,249.40	149.00
26 28 16 00-0350 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,309.47	171.28
26 28 16 00-0351 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,506.25	274.06
26 28 16 00-0352 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,584.82	456.84
26 28 16 00-0353 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	8,561.71	622.94
26 28 16 00-0354 600 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0332)</small>		
26 28 16 00-0355 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,166.26	118.16
26 28 16 00-0356 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,439.23	167.17
26 28 16 00-0357 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,618.47	190.35
26 28 16 00-0358 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,648.65	297.90
26 28 16 00-0359 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	7,247.80	489.40
26 28 16 00-0360 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	9,731.43	685.19
26 28 16 00-0361 240 Volt Class, 4 Wire, 4 Blades <small>(26 28 16 00-0332)</small>		
26 28 16 00-0362 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,399.28	107.06
26 28 16 00-0363 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,685.05	149.00
26 28 16 00-0364 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,734.33	171.28
26 28 16 00-0365 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	5,701.18	274.06
26 28 16 00-0366 600 Volt Class, 4 Wire, 4 Blades <small>(26 28 16 00-0332)</small>		
26 28 16 00-0367 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,590.74	118.16
26 28 16 00-0368 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,919.55	167.17
26 28 16 00-0369 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,256.93	190.35
26 28 16 00-0370 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	6,484.99	297.90
26 28 16 00-0371 Fiberglass Reinforced Polyester Enclosures <small>(26 28 16 00-0288)</small>		
26 28 16 00-0372 600 Volt Class, 3 Pole, Fusible <small>(26 28 16 00-0371)</small>		
26 28 16 00-0373 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,851.82	142.66
26 28 16 00-0374 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,120.53	190.35
26 28 16 00-0375 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,766.66	214.19
26 28 16 00-0376 EA 200 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,919.49	326.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0377 600 Volt Class, 3 Pole, Non-Fusible <small>(26 28 16 00-0371)</small>		
26 28 16 00-0378 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,728.64	118.00
26 28 16 00-0379 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,992.82	167.33
26 28 16 00-0380 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,556.51	190.35
26 28 16 00-0381 EA 200 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,848.10	298.06
26 28 16 00-0382 Krydon Enclosures <small>(26 28 16 00-0288)</small>		
26 28 16 00-0383 600 Volt Class, 3 Pole, Fusible <small>(26 28 16 00-0382)</small>		
26 28 16 00-0384 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,110.31	142.66
26 28 16 00-0385 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,409.78	190.35
26 28 16 00-0386 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,313.66	214.19
26 28 16 00-0387 600 Volt Class, 3 Pole, Non-Fusible <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,973.21	118.00
26 28 16 00-0389 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,266.69	167.33
26 28 16 00-0390 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,081.54	190.35
26 28 16 00-0391 Safety Switches, NEMA 7 Or 9 Enclosures, Neutral Kit <small>(26 28 16 00-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392 Heavy Duty Fusible Switches <small>(26 28 16 00-0391)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0393 EA 30 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,687.11	164.45
26 28 16 00-0394 EA 60 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,749.75	195.78
26 28 16 00-0395 EA 100 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,118.00	221.02
26 28 16 00-0396 EA 200 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,450.08	342.63
26 28 16 00-0397 Heavy Duty Non-Fusible Switch <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398 EA 60 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase	1,334.27	195.78
26 28 16 00-0399 EA 100 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase	1,558.65	221.02
26 28 16 00-0400 EA 200 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase	2,843.07	342.63
26 28 16 00-0401 Safety Switches, NEMA 12 Enclosure, Neutral Kit <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402 Heavy Duty Fusible Switches <small>(26 28 16 00-0401)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0403 240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	389.95	82.23
26 28 16 00-0405 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	506.32	99.08
26 28 16 00-0406 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	684.11	115.94
26 28 16 00-0407 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,149.43	182.54
26 28 16 00-0408 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,415.70	283.68
26 28 16 00-0409 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,329.10	419.35
26 28 16 00-0410 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	599.08	91.27
26 28 16 00-0412 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	623.24	110.18
26 28 16 00-0413 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	887.28	128.68
26 28 16 00-0414 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,388.85	203.10
26 28 16 00-0415 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,985.48	314.92
26 28 16 00-0416 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	5,850.35	465.80
26 28 16 00-0417 240 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0418 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	547.21	129.09
26 28 16 00-0419 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	755.27	171.44
26 28 16 00-0420 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,015.83	190.35
26 28 16 00-0421 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,515.11	298.06
26 28 16 00-0422 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,940.75	489.24
26 28 16 00-0423 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,685.99	685.35
26 28 16 00-0424 600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0425 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	718.52	142.66
26 28 16 00-0426 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	823.68	190.35
26 28 16 00-0427 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,191.02	214.19
26 28 16 00-0428 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,738.44	326.44
26 28 16 00-0429 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,588.96	527.06
26 28 16 00-0430 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	6,672.21	761.41
26 28 16 00-0431 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0432 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	581.67	129.09
26 28 16 00-0433 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	778.95	171.44
26 28 16 00-0434 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,090.15	190.35
26 28 16 00-0435 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,608.42	298.06
26 28 16 00-0436 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,190.57	489.24
26 28 16 00-0437 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	4,854.77	685.35
26 28 16 00-0438 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0402)		
26 28 16 00-0439 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	758.48	142.66
26 28 16 00-0440 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	930.27	190.35
26 28 16 00-0441 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,264.31	214.19
26 28 16 00-0442 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,878.34	326.44
26 28 16 00-0443 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,815.46	527.06
26 28 16 00-0444 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	6,858.73	761.41
26 28 16 00-0445 Heavy Duty Non-Fusible Switches (26 28 16 00-0401)		
26 28 16 00-0446 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0445)		
26 28 16 00-0447 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	406.72	118.82
26 28 16 00-0448 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	541.20	165.68
26 28 16 00-0449 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	710.74	190.35
26 28 16 00-0450 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,021.36	304.65
26 28 16 00-0451 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,208.00	507.74
26 28 16 00-0452 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	3,470.05	692.33
26 28 16 00-0453 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0445)		
26 28 16 00-0454 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	453.03	131.15
26 28 16 00-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	601.87	185.83
26 28 16 00-0456 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	792.01	211.32
26 28 16 00-0457 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,109.75	330.96
26 28 16 00-0458 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	2,339.77	543.92
26 28 16 00-0459 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	3,833.81	761.41
26 28 16 00-0460 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0445)		
26 28 16 00-0461 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	524.19	106.89
26 28 16 00-0462 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	692.27	148.83
26 28 16 00-0463 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	913.07	171.44
26 28 16 00-0464 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,312.81	274.22
26 28 16 00-0465 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,726.61	456.76
26 28 16 00-0466 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	4,271.27	622.85
26 28 16 00-0467 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0445)		
26 28 16 00-0468 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	517.41	118.00
26 28 16 00-0469 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	750.60	167.33
26 28 16 00-0470 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	980.23	190.35
26 28 16 00-0471 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,305.31	298.06
26 28 16 00-0472 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,747.57	489.24
26 28 16 00-0473 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	5,067.69	685.35
26 28 16 00-0474 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0445)		
26 28 16 00-0475 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	622.79	106.89
26 28 16 00-0476 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	748.35	148.83
26 28 16 00-0477 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,142.79	171.44
26 28 16 00-0478 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,812.97	274.22
26 28 16 00-0479 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,232.29	349.46
26 28 16 00-0480 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0445)		
26 28 16 00-0481 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	649.31	118.00
26 28 16 00-0482 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	817.22	167.33
26 28 16 00-0483 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,223.38	190.35
26 28 16 00-0484 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,868.22	298.06
26 28 16 00-0485 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,467.19	460.46
26 28 16 00-0486 Double Throw Safety Switches (26 28 16 00-0001)		
26 28 16 00-0487 Safety Switches, NEMA 1 Enclosure (26 28 16 00-0486)		
Note: With neutral kit.		
26 28 16 00-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0489 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	490.37	105.66
26 28 16 00-0490 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	718.12	138.14
26 28 16 00-0491 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,002.68	180.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0492 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	1,335.01	234.75
26 28 16 00-0493 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	3,127.18	293.54
26 28 16 00-0494 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	5,667.29	470.74
26 28 16 00-0495 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0496 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	623.84	148.00
26 28 16 00-0497 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	866.17	193.23
26 28 16 00-0498 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	1,290.56	252.84
26 28 16 00-0499 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	1,880.45	328.90
26 28 16 00-0500 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	4,311.44	411.13
26 28 16 00-0501 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	6,045.64	657.80
26 28 16 00-0502 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0503 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	824.86	185.01
26 28 16 00-0504 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	1,190.53	241.75
26 28 16 00-0505 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	2,073.76	315.74
26 28 16 00-0506 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	2,833.12	410.31
26 28 16 00-0507 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	5,601.66	513.91
26 28 16 00-0508 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	7,147.02	823.49
26 28 16 00-0509 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0510 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	822.03	138.14
26 28 16 00-0511 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	1,226.65	180.49
26 28 16 00-0512 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	1,797.43	234.75
26 28 16 00-0513 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	4,149.40	293.54
26 28 16 00-0514 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	6,146.25	470.74
26 28 16 00-0515 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0516 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	932.10	193.23
26 28 16 00-0517 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	1,370.97	252.84
26 28 16 00-0518 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	1,984.92	328.90
26 28 16 00-0519 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	4,384.37	411.13
26 28 16 00-0520 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	6,521.45	657.80
26 28 16 00-0521 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0522 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	1,255.63	241.75
26 28 16 00-0523 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	2,167.71	315.74
26 28 16 00-0524 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	3,027.61	410.31
26 28 16 00-0525 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	6,015.82	513.91
26 28 16 00-0526 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	7,610.41	823.49
26 28 16 00-0527 Safety Switches, NEMA 3R Enclosure <small>(26 28 16 00-0486)</small>		
Note: With neutral kit.		
26 28 16 00-0528 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0529 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,238.19	180.49
26 28 16 00-0530 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	2,780.57	234.75
26 28 16 00-0531 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	8,950.43	293.54
26 28 16 00-0532 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	15,403.83	470.74
26 28 16 00-0533 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0534 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,628.28	252.43
26 28 16 00-0535 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	2,602.65	328.49
26 28 16 00-0536 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	9,264.19	411.13
26 28 16 00-0537 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	10,138.02	659.04
26 28 16 00-0538 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0539 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,550.15	185.09
26 28 16 00-0540 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,926.29	241.57
26 28 16 00-0541 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,693.27	315.66
26 28 16 00-0542 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	3,879.98	410.47
26 28 16 00-0543 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,527.25	513.91
26 28 16 00-0544 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	7,687.96	823.57
26 28 16 00-0545 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0546 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,045.19	138.14
26 28 16 00-0547 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,581.01	180.49
26 28 16 00-0548 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	2,847.16	234.75
26 28 16 00-0549 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	5,426.22	293.54
26 28 16 00-0550 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	7,277.55	470.74

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0551			600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure (26 28 16 00-0527)		
26 28 16 00-0552	EA		60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,196.27	193.23
26 28 16 00-0553	EA		100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,789.69	252.43
26 28 16 00-0554	EA		200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	3,159.77	328.49
26 28 16 00-0555	EA		400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	5,915.88	411.13
26 28 16 00-0556	EA		600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	7,985.79	659.04
26 28 16 00-0557			600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure (26 28 16 00-0527)		
26 28 16 00-0558	EA		60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,941.35	241.57
26 28 16 00-0559	EA		100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,700.18	315.66
26 28 16 00-0560	EA		200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	3,975.89	410.47
26 28 16 00-0561	EA		400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,515.93	513.91
26 28 16 00-0562	EA		600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	7,750.38	823.57
26 28 16 00-0563			Safety Switches, NEMA 12 Enclosure (26 28 16 00-0486) Note: With neutral kit.		
26 28 16 00-0564			240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0565	EA		30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,226.52	105.74
26 28 16 00-0566	EA		60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,395.32	138.05
26 28 16 00-0567	EA		100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,586.84	180.40
26 28 16 00-0568	EA		200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	2,177.10	234.59
26 28 16 00-0569	EA		400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	4,019.97	293.62
26 28 16 00-0570	EA		600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	5,908.82	470.57
26 28 16 00-0571			240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0572	EA		30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,418.23	148.00
26 28 16 00-0573	EA		60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,683.47	193.23
26 28 16 00-0574	EA		100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,005.49	252.43
26 28 16 00-0575	EA		200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,788.27	328.49
26 28 16 00-0576	EA		400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,020.15	411.13
26 28 16 00-0577	EA		600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	6,671.86	659.04
26 28 16 00-0578			240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0579	EA		30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,106.87	185.09
26 28 16 00-0580	EA		60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,473.30	241.57
26 28 16 00-0581	EA		100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,385.86	315.66
26 28 16 00-0582	EA		200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,593.83	410.47
26 28 16 00-0583	EA		400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,422.35	513.91
26 28 16 00-0584	EA		600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	10,525.37	823.57
26 28 16 00-0585			600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0586	EA		60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,826.24	138.05
26 28 16 00-0587	EA		100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,932.04	180.40
26 28 16 00-0588	EA		200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	3,627.60	234.59
26 28 16 00-0589	EA		400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	5,220.02	293.62
26 28 16 00-0590	EA		600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	7,034.61	470.57
26 28 16 00-0591			600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0592	EA		60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,018.26	193.23
26 28 16 00-0593	EA		100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,159.14	252.43
26 28 16 00-0594	EA		200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	3,981.16	328.49
26 28 16 00-0595	EA		400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,698.64	411.13
26 28 16 00-0596	EA		600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	7,729.81	659.04
26 28 16 00-0597			600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0598	EA		60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,497.85	241.57
26 28 16 00-0599	EA		100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,566.95	315.66
26 28 16 00-0600	EA		200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,700.57	410.47
26 28 16 00-0601	EA		400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,652.11	513.91
26 28 16 00-0602	EA		600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	10,829.91	823.57
26 28 16 00-0603			Removal And Reinstallation Of Disconnect Switches (26 28 16 00-0001) Note: Includes storage and cleaning.		
26 28 16 00-0604	EA		Remove And Reinstall Safety Disconnect Switch Up To 100 Amp	411.13	
26 28 16 00-0605	EA		Remove And Reinstall Safety Disconnect Switch 101 To 200 Amp	534.49	
26 28 16 00-0606	EA		Remove And Reinstall Safety Disconnect Switch 201 To 300 Amp	596.17	
26 28 16 00-0607	EA		Remove And Reinstall Safety Disconnect Switch 301 To 400 Amp	698.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 Low-Voltage Controllers (26 29)

26 29 13 Enclosed Controllers (26 29)

26 29 13 13 Across-The-Line Motor Controllers (26 29 13)

26 29 13 13-0001 Manual Motor Starters (26 29 13 13)

26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	143.64	
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	41.18
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	188.02	
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	53.54
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	160.74	
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	41.18
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	205.12	
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	53.54
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	151.05	
		<i>For Oversized Enclosure, Add</i>	17.10	41.18
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	197.71	
		<i>For Oversized Enclosure, Add</i>	17.10	53.54
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	293.50	
		<i>For Pilot Light, Add</i>	65.55	49.41
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	339.58	
		<i>For Pilot Light, Add</i>	65.55	61.77
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	310.60	
		<i>For Pilot Light, Add</i>	65.55	49.41
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	354.97	
		<i>For Pilot Light, Add</i>	65.55	61.77

26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	118.66	
		<i>Note: NEMA 1 or flush cover plate installation.</i>		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	41.18
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	189.02	
		<i>Note: NEMA 1 or flush cover plate installation.</i>		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	53.54
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	133.49	
		<i>Note: NEMA 1 or flush cover plate installation.</i>		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	45.30
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	204.41	
		<i>Note: NEMA 1 or flush cover plate installation.</i>		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	57.66
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	134.61	
		<i>Note: NEMA 1 or flush cover plate installation.</i>		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	41.18
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	205.52	
		<i>Note: NEMA 1 or flush cover plate installation.</i>		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	53.54
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	271.54	
		<i>For Pilot Light, Add</i>	62.70	49.41
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	335.84	
		<i>For Pilot Light, Add</i>	62.70	61.77

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	286.92	53.54
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	349.58	65.89
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	286.94	49.41
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	355.64	61.77
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	86.26	28.82
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	156.61	41.18
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	101.09	32.95
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	171.44	45.30
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0030 Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	306.10	74.13
<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	440.22	98.84
<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0033 Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	306.10	74.13
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	440.22	98.84
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	273.84	49.41
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	273.84	49.41
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	550.23	57.66
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	550.23	57.66
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	712.11	57.66
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	346.74	57.66
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	232.03	37.07
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	323.11	53.54
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	323.11	53.54
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	655.93	61.77
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	655.93	61.77
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	830.35	61.77
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	396.01	61.77
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	281.30	41.18
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	419.70	57.66
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	419.70	57.66
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	777.03	65.89
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	777.03	65.89
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	944.04	65.89
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	494.31	65.89
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	379.59	45.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	339.30	61.77
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	339.30	61.77
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	615.70	70.00
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	615.70	70.00
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	782.14	70.00
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	412.78	70.00
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	299.21	49.41
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	388.58	65.89
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	388.58	65.89
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	721.40	74.13
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	721.40	74.13
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	899.81	74.13
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	461.48	74.13
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	346.77	53.54
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	770.62	86.48
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	770.62	86.48
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	672.75	61.77
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	908.50	94.72
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	810.64	70.00
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	770.62	86.48
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	672.75	61.77
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	908.50	94.72
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	810.64	70.00
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	328.32	82.36
<i>For Factory Installed Accessory, Deduct</i>	-164.73	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	368.73	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	352.26	82.36
<i>For Factory Installed Accessory, Deduct</i>	-164.73	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	393.24	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	433.65	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	547.48	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	686.38	148.25
<i>For Factory Installed Accessory, Deduct</i>	-296.50	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	408.63	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	449.04	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	490.59	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	629.70	144.13
			<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	768.03	168.84
			<i>For Factory Installed Accessory, Deduct</i>	-337.68	
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	669.06	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	749.83	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	978.68	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	993.79	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,141.70	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	1,450.92	205.91
			<i>For Factory Installed Accessory, Deduct</i>	-411.81	
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	2,053.13	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	2,214.15	205.91
			<i>For Factory Installed Accessory, Deduct</i>	-411.81	
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	2,443.01	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	3,288.03	288.27
			<i>For Factory Installed Accessory, Deduct</i>	-576.54	
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	4,399.82	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	4,905.97	329.45
			<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	12,581.58	494.18
			<i>For Factory Installed Accessory, Deduct</i>	-988.35	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	18,028.48	741.26
			<i>For Factory Installed Accessory, Deduct</i>	-1,482.52	
26 29 13 13-0112			NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	345.99	82.36
			<i>For Factory Installed Accessory, Deduct</i>	-164.73	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	386.40	90.59
			<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	369.93	82.36
			<i>For Factory Installed Accessory, Deduct</i>	-164.73	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	411.48	90.59
			<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	451.89	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	566.86	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	706.33	148.25
			<i>For Factory Installed Accessory, Deduct</i>	-296.50	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	427.44	90.59
			<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	468.99	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	509.40	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	649.08	144.13
<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	786.84	168.84
<i>For Factory Installed Accessory, Deduct</i>	-337.68	
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	753.42	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	834.76	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,063.04	164.73
<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,159.66	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,307.00	164.73
<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	1,616.79	205.91
<i>For Factory Installed Accessory, Deduct</i>	-411.81	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	2,557.86	205.91
<i>For Factory Installed Accessory, Deduct</i>	-411.81	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	2,786.72	247.09
<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	5,532.40	329.45
<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	15,336.39	494.18
<i>For Factory Installed Accessory, Deduct</i>	-988.35	
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	20,791.27	741.26
<i>For Factory Installed Accessory, Deduct</i>	-1,482.52	
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	508.95	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	549.36	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	606.87	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	931.26	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,013.17	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	1,370.56	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	1,517.33	164.73
<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	3,484.97	247.09
<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	7,319.35	329.45
<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	17,527.47	494.18
<i>For Factory Installed Accessory, Deduct</i>	-988.35	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	736.32	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	761.40	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0150	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	801.81	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0151	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	941.49	144.13
			<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0152	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	1,419.58	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0153	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	2,134.64	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0154	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	4,199.75	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0155	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	7,319.35	329.45
			<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0156	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	19,394.79	494.18
			<i>For Factory Installed Accessory, Deduct</i>	-988.35	
26 29 13 13-0157			NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
			Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	1,443.46	131.78
			<i>For Factory Installed Accessory, Deduct</i>	-263.56	
26 29 13 13-0159			Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160			Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO1).....	384.75	82.36
			<i>For Factory Installed Accessory, Deduct</i>	-164.73	
26 29 13 13-0162	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	401.22	90.59
			<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	429.15	90.59
			<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	474.12	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	757.63	148.25
			<i>For Factory Installed Accessory, Deduct</i>	-296.50	
26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	486.66	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	567.54	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	591.48	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	720.93	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	823.36	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,263.11	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	2,629.97	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	5,875.54	329.45
			<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	13,389.27	494.18
			<i>For Factory Installed Accessory, Deduct</i>	-988.35	
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	19,300.72	741.26
			<i>For Factory Installed Accessory, Deduct</i>	-1,482.52	
26 29 13 13-0176			NEMA 1, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	403.56	82.36
			<i>For Factory Installed Accessory, Deduct</i>	-164.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	420.03	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	447.96	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	492.93	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	504.90	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	550.44	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	610.86	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	805.86	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	908.29	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	1,428.98	164.73
<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	2,973.68	247.09
<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	6,503.68	329.45
<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	545.43	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	590.40	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	602.37	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	647.91	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	708.33	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	984.27	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,086.13	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	1,639.31	164.73
<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	3,671.36	247.09
<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	8,288.92	329.45
<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	19,642.74	494.18
<i>For Factory Installed Accessory, Deduct</i>	-988.35	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	545.43	90.59
<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	590.40	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	602.37	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	647.91	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	708.33	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	984.27	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,086.13	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	1,639.31	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	3,671.36	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0211			NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	1,505.53	140.02
			<i>For Factory Installed Accessory, Deduct</i>	-280.03	
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1)	1,837.27	140.02
			<i>For Factory Installed Accessory, Deduct</i>	-280.03	
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	1,894.78	148.25
			<i>For Factory Installed Accessory, Deduct</i>	-296.50	
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	2,909.84	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43)	3,512.04	205.91
			<i>For Factory Installed Accessory, Deduct</i>	-411.81	
26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	5,580.00	288.27
			<i>For Factory Installed Accessory, Deduct</i>	-576.54	
26 29 13 13-0218			NEMA 4/4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11)	731.82	90.59
			<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	777.36	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	797.31	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13)	842.85	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	903.27	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16)	1,389.54	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	2,256.05	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11)	4,385.57	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	9,662.05	329.45
			<i>For Factory Installed Accessory, Deduct</i>	-658.90	
26 29 13 13-0228			NEMA 4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	1,493.11	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	2,738.27	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21)	5,359.13	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0232			NEMA 7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Bolted cast iron enclosure.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	1,455.43	131.78
<i>For Factory Installed Accessory, Deduct</i>	-263.56	
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	1,505.53	140.02
<i>For Factory Installed Accessory, Deduct</i>	-280.03	
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	1,526.05	140.02
<i>For Factory Installed Accessory, Deduct</i>	-280.03	
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	1,573.87	148.25
<i>For Factory Installed Accessory, Deduct</i>	-296.50	
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	1,643.41	148.25
<i>For Factory Installed Accessory, Deduct</i>	-296.50	
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	2,394.56	164.73
<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0239 Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	706.05	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	741.96	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	819.99	115.31
<i>For Factory Installed Accessory, Deduct</i>	-230.61	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	852.43	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	872.38	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	933.31	131.78
<i>For Factory Installed Accessory, Deduct</i>	-263.56	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	975.12	144.13
<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	995.64	144.13
<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	1,668.38	164.73
<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	2,718.32	247.09
<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	6,173.36	370.63
<i>For Factory Installed Accessory, Deduct</i>	-741.26	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	11,424.48	494.18
<i>For Factory Installed Accessory, Deduct</i>	-988.35	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	36,724.47	905.99
<i>For Factory Installed Accessory, Deduct</i>	-1,811.97	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	723.78	98.84
<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	757.35	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	777.87	107.07
<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	854.19	115.31
<i>For Factory Installed Accessory, Deduct</i>	-230.61	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	887.77	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	908.29	123.54
<i>For Factory Installed Accessory, Deduct</i>	-247.09	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0261	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	984.61	131.78
			<i>For Factory Installed Accessory, Deduct</i>	-263.56	
26 29 13 13-0262	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,026.42	144.13
			<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0263	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,046.94	144.13
			<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0264	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	1,801.76	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0265	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	2,949.17	247.09
			<i>For Factory Installed Accessory, Deduct</i>	-494.18	
26 29 13 13-0266	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	6,597.44	370.63
			<i>For Factory Installed Accessory, Deduct</i>	-741.26	
26 29 13 13-0267			NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268	EA		Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,033.69	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0269	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,054.21	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0270	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,192.86	144.13
			<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0271	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	2,045.72	164.73
			<i>For Factory Installed Accessory, Deduct</i>	-329.45	
26 29 13 13-0272			NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	1,281.07	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0274	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	1,504.45	131.78
			<i>For Factory Installed Accessory, Deduct</i>	-263.56	
26 29 13 13-0275			Magnetic Contactor/Starters Accessories <small>(26 29 13 13-0083)</small>		
26 29 13 13-0276	EA		NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	95.99	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0277	EA		NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	160.34	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0278	EA		NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	95.99	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0279	EA		NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	160.34	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0280	EA		NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	160.34	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0281	EA		Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	80.82	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	72.37	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	95.99	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0284	EA		External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	80.82	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	
26 29 13 13-0285	EA		External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	107.69	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0286	EA		30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	119.17	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	
26 29 13 13-0287	EA		45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	203.02	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	
26 29 13 13-0288	EA		60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	215.37	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	
26 29 13 13-0289	EA		30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	257.84	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0290	EA		45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	446.99	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0291	EA		60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	446.99	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	29.33	6.17
			<i>For Factory Installed Accessory, Deduct</i>	-12.36	
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	58.07	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	76.49	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	60.89	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	34.01	6.17
			<i>For Factory Installed Accessory, Deduct</i>	-12.36	
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	21.66	6.17
			<i>For Factory Installed Accessory, Deduct</i>	-12.36	
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	104.22	8.23
			<i>For Factory Installed Accessory, Deduct</i>	-16.47	
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	178.54	10.29
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	
26 29 13 13-0300			Definite Purpose Starters (26 29 13 13)		
26 29 13 13-0301			Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	366.96	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	366.39	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	396.54	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	387.48	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	421.05	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	405.72	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	474.52	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	521.83	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	651.93	144.13
			<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0311			NEMA 1, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	370.44	90.59
			<i>For Factory Installed Accessory, Deduct</i>	-181.20	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	400.59	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	399.45	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	431.31	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	421.11	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	455.25	107.07
			<i>For Factory Installed Accessory, Deduct</i>	-214.14	
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	440.49	98.84
			<i>For Factory Installed Accessory, Deduct</i>	-197.67	
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	508.72	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	554.32	123.54
			<i>For Factory Installed Accessory, Deduct</i>	-247.09	
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	684.99	144.13
			<i>For Factory Installed Accessory, Deduct</i>	-288.27	
26 29 13 13-0322			Definite Purpose Starter Accessory (26 29 13 13-0300)		
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory.....	107.69	10.29
			Note: Or Hand-Off-Auto Selector Switch Kit		
			<i>For Factory Installed Accessory, Deduct</i>	-20.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	205.73	45.30
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	217.13	45.30
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	231.08	49.41
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	242.48	49.41
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	199.46	45.30
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	226.25	45.30
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	255.02	49.41
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	50.13	20.59
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	54.53	20.59
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	62.50	20.59
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	78.35	20.59
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
26 29 13 13-0366 NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	5,758.83	394.68
For NEMA 4, Add	619.09	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	10,100.63	526.24
For NEMA 4, Add	1,130.81	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	17,756.99	624.91
For NEMA 4, Add	2,063.90	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	43,492.24	764.69
For NEMA 4, Add	5,246.20	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	69,448.00	978.48
For NEMA 4, Add	8,436.28	
26 29 13 13-0372 NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	5,717.58	403.07
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	10,025.28	527.06
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	17,619.46	622.94
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	43,142.66	761.32
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	68,885.84	978.89
26 29 13 13-0378 Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	145.86	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	160.87	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	273.82	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	148.78	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	213.93	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	106.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	349.12	
26 29 13 13-0386 Factory Modifications Meters <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,403.35	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,355.45	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	479.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	397.06	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers <small>(26 29 13 13-0365)</small>		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,854.73	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,392.08	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	7,215.29	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0395			Factory Modifications Addition <small>(26 29 13 13-0395)</small> Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA		Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0397	EA		Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0398	EA		Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0399	EA		Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400			Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0401			240-600 Volts, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402			NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,069.08	189.12
			<i>For Electronic Overloads, Add</i>	130.80	
26 29 13 13-0404	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,322.06	296.01
			<i>For Electronic Overloads, Add</i>	137.98	
26 29 13 13-0405	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,835.08	345.35
			<i>For Electronic Overloads, Add</i>	218.48	
26 29 13 13-0406	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,770.43	427.57
			<i>For Electronic Overloads, Add</i>	363.64	
26 29 13 13-0407	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,062.10	682.47
			<i>For Electronic Overloads, Add</i>	701.42	
26 29 13 13-0408	EA		Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,001.64	855.14
			<i>For Electronic Overloads, Add</i>	1,574.84	
26 29 13 13-0409			NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,341.41	189.12
			<i>For Electronic Overloads, Add</i>	182.54	
26 29 13 13-0411	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,594.40	296.01
			<i>For Electronic Overloads, Add</i>	189.73	
26 29 13 13-0412	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,099.85	345.35
			<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0413	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,914.17	427.57
			<i>For Electronic Overloads, Add</i>	390.96	
26 29 13 13-0414	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,886.67	682.47
			<i>For Electronic Overloads, Add</i>	858.09	
26 29 13 13-0415	EA		Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,187.90	855.14
			<i>For Electronic Overloads, Add</i>	1,990.23	
26 29 13 13-0416			Factory Modifications For NEMA 1 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0417	EA		Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	124.02	
26 29 13 13-0418	EA		H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	291.29	
26 29 13 13-0419	EA		Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	201.04	
26 29 13 13-0420			NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,922.20	246.68
			<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,137.67	345.35
			<i>For Electronic Overloads, Add</i>	275.97	
26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,030.82	378.23
			<i>For Electronic Overloads, Add</i>	431.20	
26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,779.28	460.46
			<i>For Electronic Overloads, Add</i>	734.48	
26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,558.52	682.47
			<i>For Electronic Overloads, Add</i>	1,175.74	
26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,371.30	855.14
			<i>For Electronic Overloads, Add</i>	2,785.07	
26 29 13 13-0427			NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,194.54	246.68
			<i>For Electronic Overloads, Add</i>	320.53	
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,410.01	345.35
			<i>For Electronic Overloads, Add</i>	327.71	
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,295.60	378.23
			<i>For Electronic Overloads, Add</i>	481.51	
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,923.01	460.46
			<i>For Electronic Overloads, Add</i>	761.79	
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,383.09	682.47
			<i>For Electronic Overloads, Add</i>	1,332.41	
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,516.46	855.14
			<i>For Electronic Overloads, Add</i>	2,622.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	124.04	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	291.29	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	201.04	
26 29 13 13-0438 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,103.50	190.35
For Electronic Overloads, Add	137.34	
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,358.37	297.90
For Electronic Overloads, Add	144.88	
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,892.57	342.63
For Electronic Overloads, Add	229.40	
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,866.13	428.23
For Electronic Overloads, Add	381.83	
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,246.68	685.27
For Electronic Overloads, Add	736.49	
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,416.06	856.45
For Electronic Overloads, Add	1,653.58	
26 29 13 13-0445 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,428.69	190.35
For Electronic Overloads, Add	199.12	
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,685.11	297.90
For Electronic Overloads, Add	206.96	
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,228.35	342.63
For Electronic Overloads, Add	293.20	
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,101.08	428.23
For Electronic Overloads, Add	426.47	
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,296.92	685.27
For Electronic Overloads, Add	936.04	
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,139.42	856.45
For Electronic Overloads, Add	2,171.02	
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	123.00	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	288.87	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	199.37	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,486.79	394.68
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,366.81	526.24
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,701.72	723.58
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,476.27	986.71
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,223.16	1,381.39
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,327.92	246.68
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,560.50	345.35
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,224.45	378.23
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,338.07	460.46
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,448.23	682.47
26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,471.61	246.68
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,713.89	345.35
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,404.01	378.23
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,090.86	460.46
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,933.92	682.47
26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,411.48	253.83
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,649.66	342.63

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,373.47	380.70
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,585.01	456.84
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,965.44	685.27
26 29 13 13-0486 NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,569.81	253.83
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,818.67	342.63
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,571.32	380.70
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,312.63	456.84
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,500.59	685.27
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,027.91	526.24
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,276.76	657.80
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,688.47	855.14
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,398.10	1,118.26
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,370.84	1,512.94
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,039.82	148.00
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,240.89	148.00
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13) Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Remove And Reinstall Motor Starter With Disconnect Up To 25 HP	587.32	
26 29 13 13-0504 Auxiliary Devices (26 29 13 13)		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open	321.00	82.23
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	321.00	82.23
26 29 13 13-0507 EA Pilot Light Kit.....	336.79	82.23
26 29 23 Variable-Frequency Motor Controllers (26 29)		
26 29 23 00-0001 208/230 Volt Variable Frequency Drives (26 29 23) Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	1,399.10	166.62
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	1,570.10	166.62
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,826.10	166.62
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	1,994.10	166.62
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	2,102.10	166.62
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	2,166.28	166.62
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	2,415.55	250.42
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	2,939.13	250.42
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	3,560.92	333.14
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive	4,118.94	333.14
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive	5,125.00	416.96
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive	6,390.76	416.96
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive	7,803.92	489.57
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive	8,773.07	585.34
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive	9,944.07	585.34
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive	11,733.07	585.34
26 29 23 00-0018 460/480 Volt Variable Frequency Drives (26 29 23) Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive	1,896.60	146.28
Note: Wall mounted.		
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive	2,035.10	166.62
Note: Wall mounted.		
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive	2,162.55	250.42
Note: Wall mounted.		
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive	2,397.06	250.43
Note: Wall mounted.		
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive	3,029.92	333.14
Note: Wall mounted.		
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive	3,542.20	333.16
Note: Wall mounted.		
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive	4,447.00	416.97
Note: Wall mounted.		
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive	5,076.76	416.96
Note: Wall mounted.		
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive	6,094.92	489.57
Note: Wall mounted.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,216.07	585.34
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	8,386.23	625.83
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	9,495.38	666.33
26 29 23 00-0031 EA 100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,354.24	706.63
26 29 23 00-0032 EA 125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	13,472.99	746.33
26 29 23 00-0033 EA 150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	15,504.00	833.87
26 29 23 00-0034 EA 200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	20,858.64	914.24
26 29 23 00-0035 EA 250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,855.32	995.07
26 29 23 00-0036 EA 300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	31,622.67	1,166.12
26 29 23 00-0037 EA 350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	36,727.50	1,320.92
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	43,000.98	1,492.65
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	46,411.30	1,677.10

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors ^(26 30)

26 31 00 00-0001 Photovoltaic Collectors ^(26 31)
 Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

26 31 00 00-0002 Rigid Photovoltaic Modules ^(26 31)

26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules ^(26 31 00 00-0002)

26 31 00 00-0004 EA 205 W Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,039.27	78.12
<i>For >50, Deduct</i>	-88.30	
26 31 00 00-0005 EA 210 W Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,152.48	78.12
<i>For >50, Deduct</i>	-99.63	
26 31 00 00-0006 EA 215 W Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,081.16	78.12
<i>For >50, Deduct</i>	-92.49	

26 31 00 00-0007 Sharp Rigid Photovoltaic Modules ^(26 31 00 00-0002)

26 31 00 00-0008 EA 224 W Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	870.59	78.12
<i>For >50, Deduct</i>	-71.44	
26 31 00 00-0009 EA 230 W Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	984.93	78.12
<i>For >50, Deduct</i>	-82.87	
26 31 00 00-0010 EA 235 W Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,003.04	78.12
<i>For >50, Deduct</i>	-84.68	
26 31 00 00-0011 EA 240 W Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	946.44	78.12
<i>For >50, Deduct</i>	-79.02	

26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules ^(26 31 00 00-0002)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0013 EA 50 W Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	449.39	78.12
<i>For >50, Deduct</i>	-29.32	
26 31 00 00-0014 EA 75 W Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	545.62	78.12
<i>For >50, Deduct</i>	-38.94	
26 31 00 00-0015 EA 80 W Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	584.11	78.12
<i>For >50, Deduct</i>	-42.79	

26 31 00 00-0016 Photovoltaic Inverters ^(26 31)

26 31 00 00-0017 Fronius Photovoltaic Inverters ^(26 31 00 00-0016)

26 31 00 00-0018 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	2,853.19	82.23
26 31 00 00-0019 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	4,555.87	82.23
26 31 00 00-0020 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	4,691.72	82.23
26 31 00 00-0021 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	5,699.29	82.23
26 31 00 00-0022 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	6,278.03	82.23
26 31 00 00-0023 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	7,291.02	82.23
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	8,275.11	164.45
26 31 00 00-0025 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	8,388.32	164.45
26 31 00 00-0026 EA Inverter Display Stand (Fronius 4,045,894).....	242.65	41.11

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0027 SMA Photovoltaic Inverters <small>(26 31 00 00-0016)</small>		
26 31 00 00-0028 EA 4 KW AC Photovoltaic Inverter (SMA SB 4000US).....	2,955.08	82.23
26 31 00 00-0029 EA 5 KW AC Photovoltaic Inverter (SMA SB 5000US).....	3,809.81	82.23
26 31 00 00-0030 EA 6 KW AC Photovoltaic Inverter (SMA SB 6000US).....	4,024.91	82.23
26 31 00 00-0031 EA 7 KW AC Photovoltaic Inverter (SMA SB 7000US).....	4,306.80	82.23
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA SB 8000US).....	4,691.72	82.23
26 31 00 00-0033 EA 36 KW AC Tower Photovoltaic Inverter (SMA ST36).....	24,058.31	328.90
26 31 00 00-0034 EA 42 KW AC Tower Photovoltaic Inverter (SMA ST42).....	25,977.22	328.90
26 31 00 00-0035 PVPowered Photovoltaic Inverters <small>(26 31 00 00-0016)</small>		
26 31 00 00-0036 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	2,366.53	82.23
26 31 00 00-0037 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	2,473.15	82.23
26 31 00 00-0038 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	2,728.14	82.23
26 31 00 00-0039 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	3,237.47	102.78
26 31 00 00-0040 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	3,946.17	123.34
26 31 00 00-0041 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	3,978.62	123.34
26 31 00 00-0042 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	4,194.65	123.34
26 31 00 00-0043 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	52,531.80	657.80
26 31 00 00-0044 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	46,939.23	657.80
26 31 00 00-0045 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	58,769.68	657.80
26 31 00 00-0046 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	52,929.17	657.80
26 31 00 00-0047 Solectria Photovoltaic Inverters <small>(26 31 00 00-0016)</small>		
26 31 00 00-0048 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	7,838.50	164.45
26 31 00 00-0049 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	7,838.50	164.45
26 31 00 00-0050 EA 208 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	8,065.30	164.45
26 31 00 00-0051 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	8,065.30	164.45
26 31 00 00-0052 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	24,548.71	493.35
26 31 00 00-0053 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	23,414.71	493.35
26 31 00 00-0054 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	26,816.71	493.35
26 31 00 00-0055 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	26,186.71	493.35
26 31 00 00-0056 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	28,454.71	493.35
26 31 00 00-0057 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	27,194.71	493.35
26 31 00 00-0058 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	30,043.60	657.80
26 31 00 00-0059 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	28,657.60	657.80
26 31 00 00-0060 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	31,177.60	657.80
26 31 00 00-0061 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	29,539.60	657.80
26 31 00 00-0062 Xantrex Photovoltaic Inverters <small>(26 31 00 00-0016)</small>		
26 31 00 00-0063 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	334.61	20.56
26 31 00 00-0064 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	363.76	20.56
26 31 00 00-0065 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	578.00	20.56
26 31 00 00-0066 Photovoltaic DC-DC Converters <small>(26 31)</small>		
26 31 00 00-0067 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	206.58	30.83
Note: Hazardous locations.		
26 31 00 00-0068 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	143.18	30.83
26 31 00 00-0069 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	369.60	30.83
26 31 00 00-0070 Photovoltaic Combiner Boxes <small>(26 31)</small>		
26 31 00 00-0071 Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0070)</small>		
26 31 00 00-0072 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	245.96	82.23
26 31 00 00-0073 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	264.07	82.23
26 31 00 00-0074 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	416.50	123.34
26 31 00 00-0075 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	426.68	123.34
26 31 00 00-0076 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	625.93	123.34
26 31 00 00-0077 SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0070)</small>		
26 31 00 00-0078 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	559.55	82.23
26 31 00 00-0079 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	713.52	82.23
26 31 00 00-0080 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,477.98	164.45
26 31 00 00-0081 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	2,340.64	164.45
26 31 00 00-0082 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	804.09	82.23
26 31 00 00-0083 Photovoltaic Charge Controller <small>(26 31)</small>		
26 31 00 00-0084 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	168.09	30.83
26 31 00 00-0085 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	219.03	30.83
26 31 00 00-0086 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	252.99	30.83
26 31 00 00-0087 EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	197.52	30.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0088 EA MPPT Charge Controller (Xantrex XW SCC).....	650.49	41.11
26 31 00 00-0089 Photovoltaic Batteries (26 31)		
26 31 00 00-0090 Concorde Photovoltaic Batteries (26 31 00 00-0089)		
26 31 00 00-0091 EA 34 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	146.85	12.34
26 31 00 00-0092 EA 45 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	185.62	16.45
26 31 00 00-0093 EA 49 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	200.38	16.45
26 31 00 00-0094 EA 56 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	232.61	24.67
26 31 00 00-0095 EA 69 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	263.15	24.67
26 31 00 00-0096 EA 89 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	312.11	28.77
26 31 00 00-0097 EA 104 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	357.81	32.89
26 31 00 00-0098 EA 108 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	353.93	32.89
26 31 00 00-0099 EA 210 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	638.13	39.06
26 31 00 00-0100 EA 255 Ah, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	735.91	41.11
26 31 00 00-0101 Deka Photovoltaic Batteries (26 31 00 00-0089)		
26 31 00 00-0102 EA 31 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	157.79	20.59
26 31 00 00-0103 EA 50 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	213.26	20.59
26 31 00 00-0104 EA 74 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24).....	309.49	20.59
26 31 00 00-0105 EA 86 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27).....	352.51	20.59
26 31 00 00-0106 EA 98 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31).....	353.64	20.59
26 31 00 00-0107 EA 183 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	675.16	20.59
26 31 00 00-0108 EA 225 AH Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	779.31	20.59
26 31 00 00-0109 Battery Enclosures (26 31 00 00-0089)		
26 31 00 00-0110 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	176.96	20.56
26 31 00 00-0111 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	825.73	20.59
26 31 00 00-0112 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	777.04	20.59
26 31 00 00-0113 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,031.77	20.59
26 31 00 00-0114 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	465.72	20.59
26 31 00 00-0115 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,080.45	20.59
26 31 00 00-0116 Photovoltaic System Monitoring (26 31)		
26 31 00 00-0117 EA Solar Inverter Monitor (Xantrex 864-0203).....	372.27	41.11
26 31 00 00-0118 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	627.54	20.56
26 31 00 00-0119 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	603.76	20.56
26 31 00 00-0120 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	93.19	20.56
26 31 00 00-0121 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	218.08	41.11
26 31 00 00-0122 EA Sunny Boy Control with RS485 (SMA).....	832.45	20.56
26 31 00 00-0123 EA RS 485 Module (SMA).....	176.96	20.56
26 31 00 00-0124 EA RS 232 Module (SMA).....	176.96	20.56
26 31 00 00-0125 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	407.14	20.56
26 31 00 00-0126 EA Bluetooth Piggy-Back Computer Card (SMA).....	229.04	20.56
26 31 00 00-0127 EA RS485-N Communication Computer Card (SMA).....	162.24	20.56
26 31 00 00-0128 EA Bluetooth Repeater (SMA).....	637.73	20.56
26 31 00 00-0129 EA Sunny Boy PC Service Cable (SMA).....	219.51	6.16
26 31 00 00-0130 EA Integrated Revenue Grade Meter, Option (PVPowered).....	2,903.84	20.56
26 31 00 00-0131 EA Data Monitoring Module (PVPowered PVM1010).....	310.55	20.56
26 31 00 00-0132 EA Wireless IG Personal Display (Fronius 4,240,108).....	382.24	20.56
26 31 00 00-0133 EA DatCom Power Supply (Fronius 43,0001,2311).....	105.92	20.56
26 31 00 00-0134 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	189.42	20.56
26 31 00 00-0135 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	184.89	20.56
26 31 00 00-0136 EA Datalogger Pro Box (Fronius 4,240,102).....	784.90	20.56
26 31 00 00-0137 EA Datalogger Easy Box (Fronius 4,240,103).....	510.93	20.56
26 31 00 00-0138 EA Datalogger Interface Box (Fronius 4,240,105).....	885.66	20.56
26 31 00 00-0139 EA Datalogger Web (Fronius 4,240,122).....	1,403.03	20.56
26 31 00 00-0140 EA Interface Box (Fronius 4,240,109).....	410.17	20.56
26 31 00 00-0141 EA Interface Card (Fronius 4,240,009,Z).....	251.68	20.56
26 31 00 00-0142 EA Interface Card Easy (Fronius 4,240,013,Z).....	227.91	20.56
26 31 00 00-0143 EA Sensor Box (Fronius 4,240,104).....	784.90	20.56
26 31 00 00-0144 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	94.32	20.56
26 31 00 00-0145 EA Irradiance Sensor (Fronius 43,0001,1188).....	286.78	20.56
26 31 00 00-0146 EA Module Temperature Sensor (Fronius 43,0001,1190).....	153.19	20.56
26 31 00 00-0147 EA Wind Speed Sensor (Fronius 42,0411,0027).....	171.67	41.11
26 31 00 00-0148 Photovoltaic System Accessories (26 31)		
26 31 00 00-0149 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	502.50	41.11
26 31 00 00-0150 EA Line Communication Filter (Enphase LCF).....	999.88	82.23
26 31 00 00-0151 EA 15 Meter RS 485 Communication Cable (SMA).....	124.42	6.16
26 31 00 00-0152 EA 15 Meter RS 232 Communication Cable (SMA).....	124.42	6.16
26 31 00 00-0153 EA 24" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	20.88	2.03
26 31 00 00-0154 EA 36" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	22.01	2.03
26 31 00 00-0155 EA 48" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	23.14	2.03
26 31 00 00-0156 EA 72" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	25.41	2.03

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0157 EA 120" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	28.80	2.03
26 31 00 00-0158 EA 240" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	46.30	4.07
26 31 00 00-0159 EA 360" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	62.15	4.07
26 31 00 00-0160 EA 420" #10AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	75.10	6.10
26 31 00 00-0161 EA 36" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	25.97	2.03
26 31 00 00-0162 EA 120" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	35.59	2.03
26 31 00 00-0163 EA 240" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	53.10	4.07
26 31 00 00-0164 EA 360" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	70.08	4.07
26 31 00 00-0165 EA 600" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	114.67	8.14
26 31 00 00-0166 EA 1200" #10AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	175.24	8.14
26 31 00 00-0167 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery	2,037.61	222.01
Note: Tamper proof enclosure.		
26 31 00 00-0168 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0169 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	7.80	2.05
26 31 00 00-0170 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	24.30	10.27
26 31 00 00-0171 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	29.59	10.27
26 31 00 00-0172 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	15.04	4.11
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0173 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	7.64	3.09
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0174 EA Mounting Rail Grounding Lugs (UNIRAC 980012).....	15.29	4.11
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0175 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	4.15	1.37
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0176 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	4.31	1.37
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0177 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065)	11.17	4.11
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	65.20	20.56
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	70.91	20.56
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	75.98	20.56
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0181 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	95.90	30.83
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	113.66	30.83
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	130.14	30.83
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	146.26	41.11
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	189.37	41.11
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0186 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	267.25	61.67
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0187 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	127.60	
Note: Excludes ballast.		
26 31 00 00-0188 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	234.65	
Note: Excludes ballast.		
26 31 00 00-0189 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	52.94	20.56
26 31 00 00-0190 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	53.47	20.56
26 31 00 00-0191 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	54.00	20.56
26 31 00 00-0192 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	55.27	20.56
26 31 00 00-0193 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	49.62	20.56
26 31 00 00-0194 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	50.25	20.56
26 31 00 00-0195 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	51.57	20.56
26 31 00 00-0196 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	52.31	20.56
26 31 00 00-0197 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	90.36	30.83
26 31 00 00-0198 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	90.67	30.83
26 31 00 00-0199 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	91.44	30.83
26 31 00 00-0200 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	96.54	30.83
26 31 00 00-0201 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103)	18.68	4.11
26 31 00 00-0202 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	12.67	4.11
26 31 00 00-0203 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	25.79	6.16
26 31 00 00-0204 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	27.05	6.16
26 31 00 00-0205 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	6.54	1.37
Note: Mid or end clamp.		
26 31 00 00-0206 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	28.77	4.11
26 31 00 00-0207 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	1.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0637 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	15,639.25		713.06
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	2,897.30		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	9,090.54		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	7,377.03		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	14,267.57		
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	19,739.75		877.96
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	2,897.30		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	9,090.54		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	7,377.03		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	14,267.57		
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	20,357.65		962.64
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	2,897.30		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	9,090.54		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	7,377.03		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	14,267.57		
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	21,885.87		1,105.25
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	2,897.30		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	9,090.54		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	7,377.03		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	14,267.57		
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	23,427.34		1,270.14
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	2,897.30		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	9,090.54		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	7,377.03		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	14,267.57		
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	26,148.13		1,488.52
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	2,897.30		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	9,090.54		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	7,377.03		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	14,267.57		
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	30,517.38		1,729.17
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,394.59		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	13,898.65		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	9,464.86		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	15,171.62		
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	31,687.09		2,050.05
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,394.59		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	13,898.65		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	9,464.86		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	15,171.62		
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	34,927.69		2,259.52
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,394.59		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	13,898.65		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	9,464.86		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	15,171.62		
26 32 13 13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	40,439.84		2,522.45
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,394.59		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	13,898.65		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	9,464.86		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	15,171.62		
26 32 13 13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	43,253.19		2,763.12
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,394.59		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	13,898.65		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	9,464.86		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	15,171.62		
26 32 13 13-0013	EA	230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	48,443.17		2,919.10
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,394.59		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	13,898.65		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	9,464.86		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	15,171.62		
26 32 13 13-0014	EA	250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	50,615.26		3,039.42
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	28,500.00		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	42,077.03		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	34,566.22		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	51,433.78		
26 32 13 13-0015	EA	275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	55,145.25		3,204.32
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	28,500.00		
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	42,077.03		
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	34,566.22		
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	51,433.78		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)	56,284.04	3,346.94
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	63,954.21	3,743.58
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	69,179.38	4,100.11
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	78,471.89	4,416.53
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)	82,845.85	4,706.21
For Weather Resistant Steel Diesel Generator Enclosure, Add	28,500.00	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	42,077.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	34,566.22	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	51,433.78	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	120,492.65	5,183.08
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	137,893.22	5,700.04
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	143,952.33	5,824.83
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	175,339.40	6,279.40
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	195,431.28	6,684.96
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)		
26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)		
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0637 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	12,466.37	597.19
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	14,087.90	713.06
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	15,076.20	793.28
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	16,417.27	877.96
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	16,911.86	962.64
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0007 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	18,973.56 2,635.14 9,090.54 8,072.97 13,550.00	1,270.14
26 32 13 19-0008 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	20,187.97 2,635.14 9,090.54 8,072.97 13,550.00	1,421.67
26 32 13 19-0009 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHL)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	24,169.87 4,802.70 13,898.65 9,464.86 13,550.00	1,519.72
26 32 13 19-0010 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	26,233.49 4,802.70 13,898.65 9,464.86 13,550.00	1,711.35
26 32 13 19-0011 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	32,883.23 4,802.70 13,898.65 9,464.86 13,550.00	2,050.05
26 32 13 19-0012 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	37,450.42 4,802.70 13,898.65 9,464.86 13,550.00	2,259.52
26 32 13 19-0013 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	90,401.89 25,629.73 37,828.38 28,022.97 42,051.35	6,010.13
26 32 13 19-0014 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	96,315.71 25,629.73 37,828.38 28,022.97 42,051.35	2,714.09
26 32 13 19-0015 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	97,537.73 25,629.73 37,828.38 28,022.97 42,051.35	3,039.42
26 32 13 19-0016 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	134,089.23 25,629.73 37,828.38 28,022.97 42,051.35	3,346.94
26 32 13 19-0017 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	135,453.32 25,629.73 37,828.38 28,022.97 42,051.35	3,743.58
26 32 13 19-0018 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	190,396.53 55,963.51 79,281.08 63,564.86 89,839.19	4,416.53
26 32 13 19-0019 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	259,090.06 55,963.51 79,281.08 63,564.86 89,839.19	4,706.21
26 32 13 19-0020 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	272,629.48 55,963.51 79,281.08 63,564.86 89,839.19	4,960.24
26 32 13 19-0021 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	310,586.76 55,963.51 79,281.08 63,564.86 89,839.19	5,183.08
26 32 13 19-0022 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	324,755.43 55,963.51 79,281.08 63,564.86 89,839.19	5,379.17
26 32 13 19-0023 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	343,492.26 55,963.51 79,281.08 63,564.86 89,839.19	5,749.07

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0024 Small Natural Gas Or Propane Air Cooled Generator Sets ^(26 32 13 19)		
26 32 13 19-0025 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,060.12	380.56
26 32 13 19-0026 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	3,845.68	422.85
26 32 13 19-0027 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,394.11	447.07
26 32 13 26 AC To DC Electrical Conversion ^(26 32 13)		
26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output ^(26 32 13 26)		
26 32 13 26-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	4,834.27	164.45
26 32 13 26-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,870.61	164.45
26 32 13 26-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,750.36	164.45
26 32 13 26-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,810.69	164.45
26 32 13 26-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,681.76	205.56
26 32 13 26-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,393.82	205.56
26 32 13 26-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,831.70	205.56
26 32 13 26-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,984.22	271.34
26 32 13 26-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,304.33	271.34
26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output ^(26 32 13 26)		
26 32 13 26-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,584.53	164.45
26 32 13 26-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,643.61	164.45
26 32 13 26-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,587.13	164.45
26 32 13 26-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,795.38	164.45
26 32 13 26-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,839.31	205.56
26 32 13 26-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,710.98	205.56
26 32 13 26-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,028.14	205.56
26 32 13 26-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,937.16	271.34
26 32 13 26-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,655.37	271.34
26 32 29 Rotary Converters ^(26 32)		
26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC ^(26 32 29)		
26 32 29 00-0002 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	15,304.87	3,119.65
26 32 29 00-0003 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	17,097.96	3,119.65
26 32 29 00-0004 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	19,510.73	4,456.64
26 32 29 00-0005 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	22,615.11	4,456.64
26 32 29 00-0006 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	25,544.17	4,456.64
26 32 29 00-0007 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	30,182.82	6,684.96
26 32 29 00-0008 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	36,807.51	6,684.96
26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC ^(26 32 29)		
26 32 29 00-0010 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	52,483.10	8,913.28
26 32 29 00-0011 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	57,242.14	8,913.28
26 32 29 00-0012 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	68,792.09	11,587.27
26 32 29 00-0013 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	78,297.46	14,082.98
26 32 29 00-0014 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	92,488.96	14,082.98
26 32 29 00-0015 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	130,841.94	21,035.34
26 32 29 00-0016 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	135,875.17	21,035.34
26 32 29 00-0017 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	156,107.92	24,511.52
26 33 Battery Equipment ^(26 33)		
26 33 13 Batteries ^(26 33)		
26 33 13 00-0001 Standby Batteries ^(26 33 13)		
26 33 13 00-0002 EA 12 Volt, 100 Ah To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	592.23	20.59
26 33 13 00-0003 EA 12 Volt, 100 Ah To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	638.93	20.59
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery.....	188.93	20.59
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery.....	172.68	20.59
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery.....	288.55	20.59
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery.....	333.45	20.59
26 33 43 Battery Chargers ^(26 33)		
26 33 43 00-0001 Solid State Chargers, Single Phase ^(26 33 43)		
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	1,884.09	469.83
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,180.14	469.83
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,396.68	469.83
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,545.45	556.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53				Static Uninterruptible Power Supply <small>(26 33)</small>		
26 33 53 00-0001				Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0002				Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0001)</small>		
26 33 53 00-0003				120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
				Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA			0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	768.97	81.40
				Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA			0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)	918.32	94.97
				Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA			1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)	1,131.11	108.53
				Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA			1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120)	1,380.77	122.11
				Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA			2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)	1,769.83	135.68
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA			3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)	2,927.40	189.94
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010				208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
				Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA			3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208)	2,875.30	189.94
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0012				120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
				Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA			5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)	4,305.40	217.07
				Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014	EA			6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208)	4,708.93	244.21
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA			8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208)	7,034.95	298.47
				Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA			10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208)	8,085.11	325.61
				Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017				230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
				Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA			0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230)	918.32	94.97
				Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA			1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230)	1,131.11	108.53
				Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA			1.5 kVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)	1,396.16	122.11
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA			2 kVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230)	1,773.54	135.68
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA			3 kVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230)	2,938.97	189.94
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA			5 kVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230)	4,131.41	217.07
				Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA			6 kVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230)	5,070.67	244.21
				Note: Includes 6 minutes of battery backup at full load.		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0025	EA		10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	7,836.39	325.61
			Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026			Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027	EA		External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	621.62	54.27
			Note: Rack mount or tower configuration.		
26 33 53 00-0028	EA		External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	778.13	54.27
			Note: Rack mount or tower configuration.		
26 33 53 00-0029	EA		External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	842.94	81.40
			Note: Rack mount or tower configuration.		
26 33 53 00-0030	EA		External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	718.65	108.53
			Note: Rack mount or tower configuration.		
26 33 53 00-0031	EA		Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	654.50	81.40
26 33 53 00-0032	EA		Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	736.72	108.53
26 33 53 00-0033			Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034			Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0033)</small>		
26 33 53 00-0035			480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0034)</small>		
			Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036	EA		30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E).....	20,735.02	705.49
			For 208/208 Volt AC, Add	795.73	
			For MBC 2-Breaker, Add	4,056.74	
			For 34 Minute Battery, Add	10,236.86	
26 33 53 00-0037	EA		40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E).....	24,713.26	868.30
			For 208/208 Volt AC, Add	888.26	
			For MBC 2-Breaker, Add	4,551.96	
			For 23 Minute Battery, Add	11,040.57	
			For 37 Minute Battery, Add	12,604.58	
26 33 53 00-0038	EA		50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E).....	27,283.95	1,085.37
			For 208/208 Volt AC, Add	1,003.24	
			For MBC 2-Breaker, Add	4,551.96	
			For 18 Minute Battery, Add	10,401.31	
			For 28 Minute Battery, Add	12,736.13	
			For 35 Minute Battery, Add	13,500.83	
26 33 53 00-0039	EA		65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E).....	31,036.30	1,356.71
			For 208/208 Volt AC, Add	1,161.62	
			For MBC 2-Breaker, Add	5,573.39	
			For 12 Minute Battery, Add	11,450.58	
			For 19 Minute Battery, Add	13,069.64	
			For 25 Minute Battery, Add	13,826.18	
			For 30 Minute Battery, Add	18,402.45	
26 33 53 00-0040	EA		80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E).....	33,088.37	1,628.05
			For 208/208 Volt AC, Add	1,161.62	
			For MBC 3-Breaker, Add	5,573.39	
			For 15 Minute Battery, Add	13,192.98	
			For 19 Minute Battery, Add	15,079.85	
			For 33 Minute Battery, Add	24,574.25	
26 33 53 00-0041	EA		100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E).....	35,787.56	1,899.39
			For 208/208 Volt AC, Add	1,298.62	
			For MBC 3-Breaker, Add	6,009.58	
			For 11 Minute Battery, Add	13,982.50	
			For 17 Minute Battery, Add	20,961.20	
			For 25 Minute Battery, Add	25,419.43	
			For 35 Minute Battery, Add	28,595.51	
26 33 53 00-0042	EA		130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E).....	39,070.06	2,170.75
			For 208/208 Volt AC, Add	1,366.18	
			For MBC 3-Breaker, Add	6,532.17	
			For 11 Minute Battery, Add	19,415.78	
			For 17 Minute Battery, Add	23,321.03	
			For 25 Minute Battery, Add	31,079.09	
			For 30 Minute Battery, Add	37,515.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0043 EA 225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK).....	49,490.28	2,442.09
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	1,907.94	
<i>For Isolation Transformer, Add</i>	6,260.63	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	6,972.86	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	7,530.73	
<i>For VRLA 12 Minute Battery, Add</i>	33,131.09	
<i>For VRLA 14 Minute Battery, Add</i>	35,676.26	
<i>For VRLA 22 Minute Battery, Add</i>	44,741.72	
<i>For VRLA 37 Minute Battery, Add</i>	66,594.57	
26 33 53 00-0044 EA 300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA).....	63,557.19	2,713.43
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	2,083.36	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Isolation Transformer, Add</i>	7,351.60	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	8,410.94	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	9,628.97	
<i>For VRLA 14 Minute Battery, Add</i>	44,791.06	
<i>For VRLA 17 Minute Battery, Add</i>	53,197.81	
<i>For VRLA 26 Minute Battery, Add</i>	66,652.13	
26 33 53 00-0045 EA 500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA).....	99,950.40	3,256.11
<i>For Customer Alarm Interface, Add</i>	501.09	
<i>For Alarm Status Contacts, Add</i>	603.67	
<i>For Maintenance Bypass Interface, Add</i>	706.25	
<i>For Communication Interface, Add</i>	789.11	
<i>For Flush Mount Remote Status Panel, Add</i>	994.29	
<i>For SNMP, Add</i>	1,242.86	
<i>For Load Bus Sync Board, Add</i>	1,854.42	
<i>For Input Filter with Disconnect, Add</i>	5,900.12	
<i>For Two Breaker Maintenance Bypass Switchboard, Add</i>	8,199.69	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	8,965.92	
<i>For 12 Pulse With Isolation Transformer, Add</i>	11,178.39	
<i>For Three Breaker Maintenance Bypass Switchboard, Add</i>	12,468.80	
<i>For VRLA 12 Minute Battery, Add</i>	71,909.24	
26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0047 EA Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems.....	452.91	41.11
26 33 53 00-0048 EA Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems.....	727.50	41.11
26 33 53 00-0049 EA Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems.....	1,401.53	82.23
26 33 53 00-0050 EA Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems.....	4,370.29	328.90
26 33 53 00-0051 EA Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	312.78	41.11
26 33 53 00-0052 EA Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	173.23	41.11
26 33 53 00-0053 EA Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	193.59	41.11
26 33 53 00-0054 EA Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	213.96	41.11
26 33 53 00-0055 EA Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	250.61	41.11
26 33 53 00-0056 EA Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	262.83	41.11
26 33 53 00-0057 EA Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	325.96	41.11
26 33 53 00-0058 EA Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	341.23	41.11
26 33 53 00-0059 Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>		
26 33 53 00-0060 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,049.89	75.17
26 33 53 00-0061 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	3,700.16	150.34
26 33 53 00-0062 EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	18.02	4.51
26 33 53 00-0063 EA GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	31.28	5.63
26 33 53 00-0064 EA GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	56.27	5.63
26 33 53 00-0065 EA GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	82.03	7.52
26 33 53 00-0066 EA GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	115.02	7.52

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 33 53 00-0067	EA		Uninterrupted Power Supply Remote Status Panel	2,100.04	75.17
26 33 53 00-0068	EA		Uninterrupted Power Supply Remote Contact Board.....	712.65	56.38

26 35 Power Filters And Conditioners (26 30)**26 35 33 Power Factor Correction Equipment** (26 35)**26 35 33 00-0001 Power Factor Correction Capacitors** (26 35 33)

26 35 33 00-0002	EA		Power Factor Correction Capacitors, 2.0 KVAC	520.06	
26 35 33 00-0003	EA		Power Factor Correction Capacitors, 3.0 KVAC	575.98	
26 35 33 00-0004	EA		Power Factor Correction Capacitors, 4.0 KVAC	631.90	
26 35 33 00-0005	EA		Power Factor Correction Capacitors, 5.0 KVAC	685.58	
26 35 33 00-0006	EA		Power Factor Correction Capacitors, 7.5 KVAC	842.16	
26 35 33 00-0007	EA		Power Factor Correction Capacitors, 10.0 KVAC	1,028.93	
26 35 33 00-0008	EA		Power Factor Correction Capacitors, 15.0 KVAC	1,589.25	
26 35 33 00-0009	EA		Power Factor Correction Capacitors, 20.0 KVAC	1,930.37	
26 35 33 00-0010	EA		Power Factor Correction Capacitors, 25.0 KVAC	2,494.04	
26 35 33 00-0011	EA		Power Factor Correction Capacitors, 30.0 KVAC	2,836.27	
26 35 33 00-0012	EA		Power Factor Correction Capacitors, 50.0 KVAC	4,976.90	
26 35 33 00-0013	EA		Power Factor Correction Capacitors, 75.0 KVAC	7,483.24	
26 35 33 00-0014	EA		Power Factor Correction Capacitors, 100.0 KVAC	9,978.40	
26 35 33 00-0015	EA		Power Factor Correction Capacitors, Fuse Kit.....	463.02	

26 35 53 Voltage Regulators (26 35)**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase** (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA		50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,242.68	1,307.38
26 35 53 00-0003	EA		75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,923.02	1,644.50
26 35 53 00-0004	EA		100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,549.50	1,956.95

26 36 Transfer Switches (26 30)**26 36 13 Manual Transfer Switches** (26 36)**26 36 13 00-0001 Fused Manual Transfer Switches** (26 36 13)

26 36 13 00-0002	EA		30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,050.04	143.89
26 36 13 00-0003	EA		60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,218.66	178.75

26 36 23 Automatic Transfer Switches (26 36)**26 36 23 00-0001 Automatic Transfer Switch** (26 36 23)**26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure** (26 36 23 00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA		100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,741.98	295.99
26 36 23 00-0004	EA		225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,361.11	380.56
26 36 23 00-0005	EA		400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,714.83	507.42
26 36 23 00-0006	EA		600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	8,268.53	634.28

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0008	EA		40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	2,765.65	211.43
			For NEMA 3R Enclosure, Add	574.33	
			For NEMA 4 Enclosure, Add	608.11	
			For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0009	EA		70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	3,196.49	253.70
			For NEMA 3R Enclosure, Add	574.33	
			For NEMA 4 Enclosure, Add	608.11	
			For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0010	EA		125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	3,520.17	295.99
			For NEMA 3R Enclosure, Add	574.33	
			For NEMA 4 Enclosure, Add	608.11	
			For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0011	EA		150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	4,182.69	338.28
			For NEMA 3R Enclosure, Add	675.68	
			For NEMA 4 Enclosure, Add	878.38	
			For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0012	EA		225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	4,773.98	380.56
			For NEMA 3R Enclosure, Add	675.68	
			For NEMA 4 Enclosure, Add	878.38	
			For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0013	EA		260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	5,269.25	422.85
			For NEMA 3R Enclosure, Add	675.68	
			For NEMA 4 Enclosure, Add	878.38	
			For NEMA 12 Enclosure, Add	608.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	5,514.26	465.13
<i>For NEMA 3R Enclosure, Add</i>	797.30	
<i>For NEMA 4 Enclosure, Add</i>	945.95	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	6,229.45	507.42
<i>For NEMA 3R Enclosure, Add</i>	797.30	
<i>For NEMA 4 Enclosure, Add</i>	945.95	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	8,514.98	634.28
<i>For NEMA 3R Enclosure, Add</i>	797.30	
<i>For NEMA 4 Enclosure, Add</i>	945.95	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	9,567.17	761.12
<i>For NEMA 3R Enclosure, Add</i>	979.73	
<i>For NEMA 4 Enclosure, Add</i>	1,081.09	
<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	12,388.26	1,014.84
<i>For NEMA 3R Enclosure, Add</i>	979.73	
<i>For NEMA 4 Enclosure, Add</i>	1,081.09	
<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0019 EA 1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	16,021.35	1,099.40
<i>For NEMA 3R Enclosure, Add</i>	2,162.17	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	1,013.52	
26 36 23 00-0020 EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	17,106.08	1,268.54
<i>For NEMA 3R Enclosure, Add</i>	3,513.52	
<i>For NEMA 4 Enclosure, Add</i>	4,324.33	
<i>For NEMA 12 Enclosure, Add</i>	3,513.52	
26 36 23 00-0021 EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	19,555.36	1,437.68
<i>For NEMA 3R Enclosure, Add</i>	3,513.52	
<i>For NEMA 4 Enclosure, Add</i>	4,324.33	
<i>For NEMA 12 Enclosure, Add</i>	3,513.52	
26 36 23 00-0022 EA 3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	23,388.24	1,775.96
<i>For NEMA 3R Enclosure, Add</i>	3,513.52	
26 36 23 00-0023 EA 4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	40,759.47	2,114.23
<i>For NEMA 3R Enclosure, Add</i>	16,513.52	
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	13,952.48	1,606.82
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0026 EA 225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	14,568.98	1,691.39
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0027 EA 260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	15,273.38	1,775.96
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0028 EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	16,998.75	1,818.24
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0029 EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	19,549.45	1,860.53
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0030 EA 600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	23,388.73	1,945.10
<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0031 EA 800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	25,750.44	2,029.66
<i>For NEMA 3R Enclosure, Add</i>	1,216.22	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	743.25	
26 36 23 00-0032 EA 1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	32,302.27	2,367.95
<i>For NEMA 3R Enclosure, Add</i>	1,216.22	
<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
<i>For NEMA 12 Enclosure, Add</i>	743.25	
26 36 23 00-0033 EA 1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	41,978.16	2,537.08
<i>For NEMA 3R Enclosure, Add</i>	5,405.41	
<i>For NEMA 4 Enclosure, Add</i>	6,756.76	
<i>For NEMA 12 Enclosure, Add</i>	5,405.41	
26 36 23 00-0034 EA 1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	54,639.29	2,706.22
<i>For NEMA 3R Enclosure, Add</i>	11,486.49	
<i>For NEMA 4 Enclosure, Add</i>	11,486.49	
<i>For NEMA 12 Enclosure, Add</i>	10,702.71	
26 36 23 00-0035 EA 2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	62,017.09	2,959.93
<i>For NEMA 3R Enclosure, Add</i>	11,486.49	
<i>For NEMA 4 Enclosure, Add</i>	11,486.49	
<i>For NEMA 12 Enclosure, Add</i>	10,702.71	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0036	EA		3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	98,901.96	3,382.77
			<i>For NEMA 3R Enclosure, Add</i>	14,189.19	
26 36 23 00-0037	EA		4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	106,786.63	3,805.62
			<i>For NEMA 3R Enclosure, Add</i>	14,189.19	
26 36 23 00-0038			Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039	EA		40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	4,470.40	211.43
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0040	EA		70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	4,842.40	253.70
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0041	EA		125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	5,213.78	295.99
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0042	EA		150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	6,256.02	338.28
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0043	EA		225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	8,127.11	380.56
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0044	EA		250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	8,658.31	422.85
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0045	EA		300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	9,012.35	465.13
			<i>For Four Pole Circuit Breaker, Add</i>	2,297.30	
			<i>For NEMA 3R Enclosure, Add</i>	878.38	
			<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0046	EA		400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	10,192.75	507.42
			<i>For Four Pole Circuit Breaker, Add</i>	2,297.30	
			<i>For NEMA 3R Enclosure, Add</i>	878.38	
			<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0047	EA		600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	12,373.59	634.28
			<i>For Four Pole Circuit Breaker, Add</i>	2,297.30	
			<i>For NEMA 3R Enclosure, Add</i>	878.38	
			<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0048	EA		800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	12,922.16	761.12
			<i>For Four Pole Circuit Breaker, Add</i>	3,277.03	
			<i>For NEMA 3R Enclosure, Add</i>	1,513.52	
			<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0049	EA		1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	15,287.33	1,014.84
			<i>For Four Pole Circuit Breaker, Add</i>	3,277.03	
			<i>For NEMA 3R Enclosure, Add</i>	1,513.52	
			<i>For NEMA 12 Enclosure, Add</i>	945.95	
26 36 23 00-0050			Accessories <small>(26 36 23)</small>		
26 36 23 00-0051	EA		Auxiliary Contacts For Automatic Transfer Switch.....	156.76	
26 36 23 00-0052	EA		Battery Charger For Automatic Transfer Switch.....	1,283.79	
26 36 23 00-0053	EA		Elevator Relay Signal For Automatic Transfer Switch.....	466.22	
26 36 33			Non-Automatic Transfer Switches <small>(26 36)</small>		
26 36 33 00-0001			Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 33)</small>		
26 36 33 00-0002	EA		40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	1,882.30	211.43
			<i>For NEMA 3R Enclosure, Add</i>	574.33	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	
26 36 33 00-0003	EA		70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,093.24	253.70
			<i>For NEMA 3R Enclosure, Add</i>	574.33	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	
26 36 33 00-0004	EA		125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,379.13	295.99
			<i>For NEMA 3R Enclosure, Add</i>	574.33	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	
26 36 33 00-0005	EA		150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,242.35	338.28
			<i>For NEMA 3R Enclosure, Add</i>	675.68	
			<i>For NEMA 12 Enclosure, Add</i>	540.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 33 00-0006 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	3,626.74 675.68 540.54	380.56
26 36 33 00-0007 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,075.55 675.68 540.54	422.85
26 36 33 00-0008 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,531.18 797.30 675.68	465.13
26 36 33 00-0009 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,304.60 797.30 675.68	507.42
26 36 33 00-0010 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	7,001.02 797.30 675.68	634.28
26 36 33 00-0011 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	7,895.25 979.73 945.95	761.12
26 36 33 00-0012 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,433.87 979.73 945.95	1,014.84

26 40 Electrical And Cathodic Protection ⁽²⁶⁾

26 41 Facility Lightning Protection ^(26 40)

26 41 13 Lightning Protection For Structures ^(26 41)

26 41 13 00-0001 Lightning Protection ^(26 41 13)

26 41 13 00-0002 Air Terminals For Lightning Protection ^(26 41 13 00-0001)

26 41 13 00-0003 Copper Lightning Protection Air Terminals ^(26 41 13 00-0002)

26 41 13 00-0004 EA 3/8" x 10" Copper Lightning Protection Air Terminal	51.66	8.22
26 41 13 00-0005 EA 1/2" x 12" Copper Lightning Protection Air Terminal	64.09	8.22
26 41 13 00-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal	83.82	8.22
26 41 13 00-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal	93.15	8.22
26 41 13 00-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal	181.63	16.45

26 41 13 00-0009 Aluminum Lightning Protection Air Terminals ^(26 41 13 00-0002)

26 41 13 00-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal	29.73	8.22
26 41 13 00-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal	38.33	8.22
26 41 13 00-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal	47.04	8.22
26 41 13 00-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal	52.54	8.22
26 41 13 00-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal	98.06	16.45

26 41 13 00-0015 Terminal Bases For Lightning Protection ^(26 41 13 00-0001)

26 41 13 00-0016 Copper Lightning Protection Terminal Bases ^(26 41 13 00-0015)

26 41 13 00-0017 EA Adhesive Base For Copper Lightning Protection Terminal	67.03	24.67
26 41 13 00-0018 EA Bolted Base For Copper Lightning Protection Terminal	87.15	32.89
26 41 13 00-0019 EA Hinged Base For Copper Lightning Protection Terminal	118.35	41.11
26 41 13 00-0020 EA Side Mounted Base For Copper Lightning Protection Terminal	87.15	32.89
26 41 13 00-0021 EA Offset Point Support For Copper Lightning Protection Terminal	93.52	32.89
26 41 13 00-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal	165.11	65.78
26 41 13 00-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal	116.68	41.11
26 41 13 00-0024 EA Intermediate Base For Copper Lightning Protection Terminal	67.03	24.67

26 41 13 00-0025 Aluminum Lightning Protection Terminal Bases ^(26 41 13 00-0015)

26 41 13 00-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal	52.97	24.67
26 41 13 00-0027 EA Bolted Base For Aluminum Lightning Protection Terminal	77.87	32.89
26 41 13 00-0028 EA Hinged Base For Aluminum Lightning Protection Terminal	101.27	41.11
26 41 13 00-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal	78.00	32.89
26 41 13 00-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal	79.86	32.89
26 41 13 00-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal	147.33	65.78
26 41 13 00-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal	114.10	41.11
26 41 13 00-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal	52.97	24.67

26 41 13 00-0034 Connectors ^(26 41 13 00-0001)

26 41 13 00-0035 Copper Cable Connectors ^(26 41 13 00-0034)

26 41 13 00-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System	135.22	41.11
26 41 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System	182.33	65.78
26 41 13 00-0038 EA Beam Connector For Copper Lightning Protection System	119.51	41.11
26 41 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System	29.12	8.22
26 41 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System	30.12	8.22
26 41 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal	91.12	24.67

26	Electrical
26 40	Electrical And Cathodic Protection
26 41	Facility Lightning Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 41 13 00-0042	Aluminum Cable Connectors (26 41 13 00-0034)		
26 41 13 00-0043	EA Thru Wall Cable Connector For Aluminum Lightning Protection System	106.97	41.11
26 41 13 00-0044	EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System	154.95	65.78
26 41 13 00-0045	EA Beam Connector For Aluminum Lightning Protection System	102.99	41.11
26 41 13 00-0046	EA Double Bolt Cable Connector For Aluminum Lightning Protection System	22.69	8.22
26 41 13 00-0047	EA Tee Connector For Aluminum Lightning Protection Terminal	67.46	24.67
26 41 13 00-0048	Bonding Plates (26 41 13 00-0001)		
26 41 13 00-0049	Copper Bonding Plates (26 41 13 00-0048)		
26 41 13 00-0050	EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System	104.33	41.11
26 41 13 00-0051	EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System	108.22	41.11
26 41 13 00-0052	EA 16" Square Bonding Plate For Copper Lightning Protection System	158.88	65.78
26 41 13 00-0053	Aluminum Bonding Plates (26 41 13 00-0048)		
26 41 13 00-0054	EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	94.37	41.11
26 41 13 00-0055	EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	96.49	41.11
26 41 13 00-0056	EA 16" Square Bonding Plate For Aluminum Lightning Protection System	141.90	65.78
26 41 13 00-0057	Cable Supports (26 41 13 00-0001)		
26 41 13 00-0058	Copper Cable Supports (26 41 13 00-0057)		
26 41 13 00-0059	EA Cable Supports For Copper Lightning Protection System	18.07	8.22
26 41 13 00-0060	EA Adhesive Cable Supports For Copper Lightning Protection System	19.30	8.22
26 41 13 00-0061	Aluminum Cable Supports (26 41 13 00-0057)		
26 41 13 00-0062	EA Cable Supports For Aluminum Lightning Protection System	17.78	8.22
26 41 13 00-0063	EA Adhesive Cable Supports For Aluminum Lightning Protection System	18.18	8.22
26 41 13 00-0064	Bonding Straps (26 41 13 00-0001)		
26 41 13 00-0065	Copper Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0066	EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	55.33	24.67
26 41 13 00-0067	Aluminum Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0068	EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	48.46	24.67
26 41 13 00-0069	Accessories For Lightning Protection (26 41 13 00-0001) See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 00-0070	Copper Adapters (26 41 13 00-0069)		
26 41 13 00-0071	EA Swivel Adapters For Copper Lightning Protection System	22.61	4.11
26 41 13 00-0072	Aluminum Adapters (26 41 13 00-0069)		
26 41 13 00-0073	EA Swivel Adapters For Aluminum Lightning Protection System	16.00	4.11
26 41 13 00-0074	EA Floor Ground Receptacle For Aluminum Lightning Protection System	136.84	41.11
26 41 23	Lightning Protection Surge Arresters And Suppressors (26 41)		
26 41 23 00-0001	Surge And Lightning Arrestors (26 41 23)		
26 41 23 00-0002	Metal Top Intermediate Type IMX (26 41 23 00-0001) Note: For outdoor construction, single phase.		
26 41 23 00-0003	EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	896.65	187.63
26 41 23 00-0004	EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	977.75	187.63
26 41 23 00-0005	EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	977.75	187.63
26 41 23 00-0006	EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,128.38	187.63
26 41 23 00-0007	EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,128.38	187.63
26 41 23 00-0008	EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,253.51	187.63
26 41 23 00-0009	EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,253.51	187.63
26 41 23 00-0010	EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,718.09	234.53
26 41 23 00-0011	EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,782.97	234.53
26 41 23 00-0012	EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,950.62	281.44
26 41 23 00-0013	EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,117.47	281.44
26 41 23 00-0014	EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,536.90	281.44
26 41 23 00-0015	Porcelain Top Intermediate Type IMX (26 41 23 00-0001) Note: For cubicle mounting, single phase.		
26 41 23 00-0016	EA 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	896.65	187.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 23 00-0017 EA 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	977.75	187.63
26 41 23 00-0018 EA 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	977.75	187.63
26 41 23 00-0019 EA 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,128.38	187.63
26 41 23 00-0020 EA 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,128.38	187.63
26 41 23 00-0021 EA 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,253.51	187.63
26 41 23 00-0022 EA 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,253.51	187.63
26 41 23 00-0023 EA 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,718.09	234.53
26 41 23 00-0024 EA 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,782.97	234.53
26 41 23 00-0025 EA 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,950.62	281.44
26 41 23 00-0026 EA 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,117.47	281.44
26 41 23 00-0027 EA 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,536.90	281.44
26 41 23 00-0028 IMX Accessories (26 41 23 00-0001)		
26 41 23 00-0029 EA 1 Crossarm Bracket Reversible 3-27 KV IMX.....	729.80	187.63
26 41 23 00-0030 EA Single Unit Horizontal Pole Mounted Bracket (IMX).....	720.54	187.63
26 41 23 00-0031 EA 3 Unit Horizontal Pole Mounted Bracket (IMX).....	651.11	187.63
26 41 23 00-0032 Lightning Arrestor And Cutouts (26 41 23 00-0001)		
26 41 23 00-0033 EA 3 KV La Distribution Class, Lightning Arrestor.....	470.27	187.63
26 41 23 00-0034 EA 3 KV La Interior Class, Lightning Arrestor.....	958.38	187.63
26 41 23 00-0035 EA 3 KV La Station Class, Lightning Arrestor.....	896.65	187.63
26 41 23 00-0036 EA 9 KV La Distribution Class, Lightning Arrestor.....	521.25	187.63
26 41 23 00-0037 EA 9 KV La Interior Class, Lightning Arrestor.....	1,093.53	187.63
26 41 23 00-0038 EA 9 KV La Station Class, Lightning Arrestor.....	1,128.38	187.63
26 41 23 00-0039 EA 5 KV Enclosed Fused Cutout.....	600.50	187.63
26 41 23 00-0040 EA 15 KV Open Fused Cutout.....	638.23	234.53
26 41 23 00-0041 EA 18 KV La Distribution Class, Lightning Arrestor.....	494.43	187.63
26 41 23 00-0042 EA 18 KV La Interior Class, Lightning Arrestor.....	1,165.76	187.63
26 43 Surge Protective Devices (26 40)		
26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)		
26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	188.65	20.56
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	203.61	20.56
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	211.83	24.67
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	176.15	16.45
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	211.83	24.67
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	262.41	20.56
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	279.19	24.67
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	270.97	20.56
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	279.19	24.67
26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	318.01	20.56
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	334.78	24.67
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	296.96	16.45
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	334.78	24.67
26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	375.74	20.56
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	423.51	24.67
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	355.76	16.45
26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	664.06	24.67
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	655.84	20.56
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	664.06	24.67
26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	3,854.36	41.11
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,709.64	41.11

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0028			Class 1310 Transient Voltage Surge Suppression ^(26 43 13) Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029			NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028) Note: Square D. EMA series.		
26 43 13 00-0030	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,104.26	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0031	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,423.25	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0032	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,005.46	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0033	EA		320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,662.00	164.45
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0034	EA		480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,859.91	226.12
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0035	EA		120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,239.69	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0036	EA		160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,572.02	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0037	EA		240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,235.29	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0038	EA		320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,960.50	164.45
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0039	EA		480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,320.52	226.12
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0040	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,239.69	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0041	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,572.02	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0042	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,235.25	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0043	EA		320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,960.50	164.45
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0044	EA		480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,320.52	226.12
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0045	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,375.12	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0046	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,722.70	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0047	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,467.02	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0048	EA		320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,260.94	164.45
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0049	EA		480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,783.00	226.12
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0050	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,532.47	106.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0051	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,879.13	123.34
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0052	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,709.25	143.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0053	EA		320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,575.64	164.45
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0054	EA		480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,612.75	226.12
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	



Electrical	26	26
Electrical And Cathodic Protection	26 40	
Surge Protective Devices	26 43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0055			NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028)		
			Note: Square D EBA series.		
26 43 13 00-0056	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,417.66	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0057	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,921.67	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0058	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,286.43	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0059	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,494.91	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0060	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,036.11	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0061	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,436.14	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0062	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,494.91	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0063	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,036.11	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0064	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,436.14	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0065	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,593.13	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0066	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,159.13	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0067	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,627.82	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0068	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,696.13	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0069	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,289.77	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0070	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,829.04	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0071			NEMA 4X Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028)		
			Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,005.45	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0073	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,324.44	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0074	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,906.65	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0075	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,140.87	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0076	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,473.21	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0077	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,136.48	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0078	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,140.87	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0079	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,473.21	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0080	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,136.44	143.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,276.30	106.89
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,623.88	123.34
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,368.21 265.68 203.04	143.89
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,433.65 265.68 203.04	106.89
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,780.31 265.68 203.04	123.34
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,610.43 265.68 203.04	143.89
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028) Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,318.85 265.68 203.04	106.89
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,822.86 265.68 203.04	123.34
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,187.61 265.68 203.04	143.89
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,396.09 265.68 203.04	106.89
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,937.30 265.68 203.04	123.34
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,337.33 265.68 203.04	143.89
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,396.09 265.68 203.04	106.89
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,937.30 265.68 203.04	123.34
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,337.33 265.68 203.04	143.89
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,494.32 265.68 203.04	106.89
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,060.32 265.68 203.04	123.34
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,529.01 265.68 203.04	143.89
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,597.32 265.68 203.04	106.89
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,190.96 265.68 203.04	123.34
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,730.22 265.68 203.04	143.89

26 50 Lighting ⁽²⁶⁾

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting ^(26 50)

26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts ^(26 51)

26 51 13 00-0001 Interior Lighting Accessories ^(26 51 13)

26 51 13 00-0002 LF For Each Additional LF Of Interior Lighting Wire Whip, Add	0.89
Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	

26 51 13 00-0003 Lighting Accessories ^(26 51 13)

26 51 13 00-0004 Photocells ^(26 51 13 00-0003)

26 51 13 00-0005 EA Plug-In Photocell For Lighting Fixtures	58.04
26 51 13 00-0006 EA Wired Photocell For Lighting Fixtures	142.27



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0007 Supports For Light Fixtures <small>(26 51 13 00-0003)</small>		
26 51 13 00-0008 EA Bracket For Mounting Light Fixture On Wall	85.45	
26 51 13 00-0009 Modular Flexible Wiring Systems <small>(26 51 13 00-0003)</small>		
26 51 13 00-0010 EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	54.28	4.44
26 51 13 00-0011 EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	62.40	4.44
26 51 13 00-0012 EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	74.83	4.44
26 51 13 00-0013 EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	62.40	4.44
26 51 13 00-0014 EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	56.05	4.44
26 51 13 00-0015 EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	81.08	4.44
26 51 13 00-0016 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	45.59	4.44
26 51 13 00-0017 EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	51.13	4.44
26 51 13 00-0018 EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	64.07	4.44
26 51 13 00-0019 EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	64.07	4.44
26 51 13 00-0020 EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	65.11	4.44
26 51 13 00-0021 EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	64.72	4.44
26 51 13 00-0022 EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	64.72	4.44
26 51 13 00-0023 EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	74.04	4.44
26 51 13 00-0024 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	35.28	4.44
26 51 13 00-0025 EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	33.10	4.44
26 51 13 00-0026 EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	33.86	4.44
26 51 13 00-0027 EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	41.92	4.44
26 51 13 00-0028 EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	54.28	4.44
26 51 13 00-0029 EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	55.60	4.44
26 51 13 00-0030 EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	43.93	4.44
26 51 13 00-0031 EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	33.10	4.44
26 51 13 00-0032 EA Remove And Reinstall Of Modular Wiring Complete Including Storage And Cleaning	36.99	
26 51 13 00-0033 Fluorescent Fixtures <small>(26 51 13)</small>		
26 51 13 00-0034 Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0035 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0034)</small>		
26 51 13 00-0036 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	98.34	23.53
26 51 13 00-0037 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	109.39	23.53
26 51 13 00-0038 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0034)</small>		
26 51 13 00-0039 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	110.30	24.50
26 51 13 00-0040 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	122.49	24.50
26 51 13 00-0041 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0034)</small>		
26 51 13 00-0042 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	131.12	27.51
26 51 13 00-0043 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	153.56	27.51
26 51 13 00-0044 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	178.22	27.51
26 51 13 00-0045 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0034)</small>		
26 51 13 00-0046 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	109.97	30.07
26 51 13 00-0047 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	125.27	30.07
26 51 13 00-0048 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0034)</small>		
26 51 13 00-0049 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	167.54	35.03
26 51 13 00-0050 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	179.43	35.03
26 51 13 00-0051 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	201.83	35.03
26 51 13 00-0052 Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
Note: Includes prismatic lens.		
26 51 13 00-0053 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0052)</small>		
26 51 13 00-0054 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	130.45	27.29
26 51 13 00-0055 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	204.73	27.29
26 51 13 00-0056 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	232.04	27.29
26 51 13 00-0057 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0052)</small>		
26 51 13 00-0058 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	197.97	30.07
26 51 13 00-0059 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	215.19	30.07
26 51 13 00-0060 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	227.65	30.07
26 51 13 00-0061 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0052)</small>		
26 51 13 00-0062 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	202.96	35.03

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0063	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	221.42	35.03
26 51 13 00-0064	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	231.69	35.03
26 51 13 00-0065	EA		6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	247.46	35.03
26 51 13 00-0066			4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0062)		
26 51 13 00-0067	EA		4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	392.29	45.11
26 51 13 00-0068	EA		6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	398.93	45.11
26 51 13 00-0069	EA		8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	662.48	45.11
26 51 13 00-0070			Recessed Fluorescent Fixtures (26 51 13 00-0033)		
26 51 13 00-0071			Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0070)		
26 51 13 00-0072			1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0073	EA		2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	130.55	23.53
			<i>For Drywall Or Plaster Ceilings, Add</i>	15.90	
26 51 13 00-0074			1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0075	EA		2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	168.13	27.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.61	
26 51 13 00-0076	EA		2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	292.94	27.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.61	
26 51 13 00-0077			2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0078	EA		2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	171.30	30.07
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0079	EA		3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	193.70	30.07
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0080	EA		4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	196.46	30.07
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0081	EA		2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	211.16	30.07
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0082			2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0083	EA		2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	169.95	35.03
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0084	EA		3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	227.87	35.03
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0085	EA		4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	231.19	35.03
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0086	EA		6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	256.73	35.03
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0087	EA		2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	222.68	35.03
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0088	EA		3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	296.90	35.03
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0089	EA		4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	304.58	35.03
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0090			Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0070)		
26 51 13 00-0091			1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0090)		
26 51 13 00-0092	EA		1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	148.79	23.53
			<i>For Drywall Or Plaster Ceilings, Add</i>	15.90	
26 51 13 00-0093	EA		2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	151.55	23.53
			<i>For Drywall Or Plaster Ceilings, Add</i>	15.90	
26 51 13 00-0094	EA		3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	175.31	23.53
			<i>For Drywall Or Plaster Ceilings, Add</i>	15.90	
26 51 13 00-0095			1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0090)		
26 51 13 00-0096	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	169.61	27.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.61	
26 51 13 00-0097	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	172.93	27.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.61	
26 51 13 00-0098	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	193.50	27.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.61	
26 51 13 00-0099			2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0090)		
26 51 13 00-0100	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	175.85	30.07
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0101	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	178.61	30.07
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0102	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	202.03	30.07
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0103 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0090)</small>		
26 51 13 00-0104 EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	169.95 23.68	35.03
26 51 13 00-0105 EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	195.41 23.68	35.03
26 51 13 00-0106 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	219.64 23.68	35.03
26 51 13 00-0107 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	247.28 23.68	35.03
26 51 13 00-0108 Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0070)</small>		
26 51 13 00-0109 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0108)</small>		
26 51 13 00-0110 EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	301.32 18.61	27.29
26 51 13 00-0111 EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	304.63 18.61	27.29
26 51 13 00-0112 EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	355.34 18.61	27.29
26 51 13 00-0113 EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	363.02 18.61	27.29
26 51 13 00-0114 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0108)</small>		
26 51 13 00-0115 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	245.33 20.30	30.07
26 51 13 00-0116 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	271.96 20.30	30.07
26 51 13 00-0117 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	331.12 20.30	30.07
26 51 13 00-0118 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0108)</small>		
26 51 13 00-0119 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	276.00 23.68	35.03
26 51 13 00-0120 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	336.02 23.68	35.03
26 51 13 00-0121 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	354.75 23.68	35.03
26 51 13 00-0122 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	389.57 23.68	35.03
26 51 13 00-0123 Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0070)</small>		
26 51 13 00-0124 1' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0123)</small>		
26 51 13 00-0125 EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	238.50 18.61	27.29
26 51 13 00-0126 EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	309.84 18.61	27.29
26 51 13 00-0127 2' x 2', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0123)</small>		
26 51 13 00-0128 EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	239.41 20.30	30.07
26 51 13 00-0129 EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	271.31 20.30	30.07
26 51 13 00-0130 2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0123)</small>		
26 51 13 00-0131 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	266.63 23.68	35.03
26 51 13 00-0132 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	267.16 23.68	35.03
26 51 13 00-0133 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0070)</small>		
26 51 13 00-0134 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0133)</small>		
26 51 13 00-0135 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	225.38 18.61	27.29
26 51 13 00-0136 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0133)</small>		
26 51 13 00-0137 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	217.98 20.30	30.07

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0138			2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0133)</small>		
26 51 13 00-0139	EA		2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	262.51 23.68	35.03
26 51 13 00-0140	EA		3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	310.90 23.68	35.03
26 51 13 00-0141	EA		4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	299.51 23.68	35.03
26 51 13 00-0142			Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0070)</small>		
26 51 13 00-0143			1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0142)</small>		
26 51 13 00-0144	EA		2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	215.69 18.61	27.29
26 51 13 00-0145			2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0142)</small>		
26 51 13 00-0146	EA		2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	217.75 20.30	30.07
26 51 13 00-0147			2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0142)</small>		
26 51 13 00-0148	EA		2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	267.95 23.68	35.03
26 51 13 00-0149	EA		3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	273.16 23.68	35.03
26 51 13 00-0150	EA		4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	280.49 23.68	35.03
26 51 13 00-0151			Striplight Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0152			1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0151)</small>		
26 51 13 00-0153	EA		1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture.....	99.81	22.55
26 51 13 00-0154	EA		1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture.....	118.94	22.55
26 51 13 00-0155	EA		1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture.....	119.02	25.03
26 51 13 00-0156	EA		1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture.....	122.82	27.51
26 51 13 00-0157	EA		1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture.....	145.82	29.77
26 51 13 00-0158			2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0151)</small>		
26 51 13 00-0159	EA		2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	121.26	25.03
26 51 13 00-0160	EA		2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	126.07	27.51
26 51 13 00-0161	EA		2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	129.89	30.07
26 51 13 00-0162			3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0151)</small>		
26 51 13 00-0163	EA		3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	169.17	25.03
26 51 13 00-0164	EA		3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	166.11	27.51
26 51 13 00-0165	EA		3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	169.96	30.07
26 51 13 00-0166			Display Case Fluorescent Fixtures <small>(26 51 13 00-0151)</small>		
26 51 13 00-0167	EA		1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	76.43	24.67
26 51 13 00-0168	EA		1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	95.07	24.67
26 51 13 00-0169	EA		1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	103.09	28.77
26 51 13 00-0170	EA		1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	105.70	28.77
26 51 13 00-0171			Industrial Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0172			1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0171)</small>		
26 51 13 00-0173	EA		1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture.....	136.79	22.55
26 51 13 00-0174	EA		1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture.....	146.91	27.51
26 51 13 00-0175	EA		1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture.....	258.15	35.03
26 51 13 00-0176			2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0171)</small>		
26 51 13 00-0177	EA		2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	143.31	25.03
26 51 13 00-0178	EA		2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	153.99	30.07
26 51 13 00-0179	EA		2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	264.79	35.03



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0180 3 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0171)</small>		
26 51 13 00-0181 EA 3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture	149.22	25.03
26 51 13 00-0182 EA 3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	159.67	30.07
26 51 13 00-0183 EA 3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	235.73	35.03
26 51 13 00-0184 4 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0171)</small>		
26 51 13 00-0185 EA 4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	211.19	30.07
26 51 13 00-0186 EA 4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	305.36	35.03
26 51 13 00-0187 Flanged Fluorescent Fixture <small>(26 51 13 00-0033)</small>		
Note: For plaster or drywall application. With electronic ballast.		
26 51 13 00-0188 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	208.09	45.11
26 51 13 00-0189 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	242.91	45.11
26 51 13 00-0190 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	246.23	45.11
26 51 13 00-0191 Undercabinet Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0192 EA 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	77.51	20.29
26 51 13 00-0193 EA 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	91.08	24.80
26 51 13 00-0194 EA 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	89.88	24.80
26 51 13 00-0195 EA 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	106.56	27.06
26 51 13 00-0196 EA 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	123.95	31.57
26 51 13 00-0197 Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
Note: Includes acrylic drop dish diffuser.		
26 51 13 00-0198 2' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0197)</small>		
26 51 13 00-0199 EA 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	128.20	22.55
26 51 13 00-0200 EA 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	141.95	22.55
26 51 13 00-0201 3' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0197)</small>		
26 51 13 00-0202 EA 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	145.35	23.68
26 51 13 00-0203 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	158.51	23.68
26 51 13 00-0204 4' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0197)</small>		
26 51 13 00-0205 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	143.96	24.80
26 51 13 00-0206 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	157.67	24.80
26 51 13 00-0207 Wall Bracket, Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0208 Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0207)</small>		
Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0209 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0208)</small>		
26 51 13 00-0210 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	211.37	37.83
26 51 13 00-0211 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	213.72	37.83
26 51 13 00-0212 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0208)</small>		
26 51 13 00-0213 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	290.71	37.83
26 51 13 00-0214 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	293.99	37.83
26 51 13 00-0215 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0208)</small>		
26 51 13 00-0216 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	304.31	37.83
26 51 13 00-0217 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	306.66	37.83
26 51 13 00-0218 Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0207)</small>		
Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0219 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0218)</small>		
26 51 13 00-0220 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	326.61	37.83
26 51 13 00-0221 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	328.96	37.83
26 51 13 00-0222 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0218)</small>		
26 51 13 00-0223 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	279.52	37.83
26 51 13 00-0224 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	282.80	37.83
26 51 13 00-0225 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0218)</small>		
26 51 13 00-0226 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	296.10	37.83
26 51 13 00-0227 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	298.45	37.83



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 13 00-0228		Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0207)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0229		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0228)</small>		
26 51 13 00-0230	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	199.83	37.83
26 51 13 00-0231	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	202.18	37.83
26 51 13 00-0232		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0228)</small>		
26 51 13 00-0233	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	200.76	37.83
26 51 13 00-0234	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	204.05	37.83
26 51 13 00-0235		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0228)</small>		
26 51 13 00-0236	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	190.98	37.83
26 51 13 00-0237	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	193.33	37.83
26 51 13 00-0238		Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0239	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	281.90	27.51
26 51 13 00-0240	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	285.66	30.07
26 51 13 00-0241		Accessories And Modifiers For Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0242		Lens Modifications <small>(26 51 13 00-0241)</small>		
26 51 13 00-0243	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	18.17	
26 51 13 00-0244	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	22.45	
26 51 13 00-0245	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	23.52	
26 51 13 00-0246	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	25.66	
26 51 13 00-0247	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	31.00	
26 51 13 00-0248	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	7.48	
26 51 13 00-0249	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	10.69	
26 51 13 00-0250	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	11.76	
26 51 13 00-0251	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	13.90	
26 51 13 00-0252		Pendant Mounting Modifications <small>(26 51 13 00-0241)</small> Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0253	EA	For Pendant Mounting Up to 1'-6" Long Section..... Note: Per pendant.	8.13	
26 51 13 00-0254	EA	For Pendant Mounting 2' Long Section..... Note: Per pendant.	9.41	
26 51 13 00-0255	EA	For Pendant Mounting 3' Long Section..... Note: Per pendant.	12.04	
26 51 13 00-0256	EA	For Pendant Mounting 4' Long Section..... Note: Per pendant.	14.22	
26 51 13 00-0257	EA	For Pendant Mounting 6' Long Section..... Note: Per pendant.	17.96	
26 51 13 00-0258	EA	For Pendant Mounting 8' Long Section..... Note: Per pendant.	24.38	
26 51 13 00-0259		Fluorescent Light Accessories <small>(26 51 13 00-0241)</small>		
26 51 13 00-0260	EA	Blank Metal Light Box Plate.....	14.01	
26 51 13 00-0261	EA	Factory Installed Fixture Mounted Occupancy Sensor.....	82.31	
26 51 13 00-0262		Wire Guards <small>(26 51 13 00-0241)</small>		
26 51 13 00-0263	EA	Wire Guard for 6" x 2' Fixture.....	36.81	4.12
26 51 13 00-0264	EA	Wire Guard for 6" x 4' Fixture.....	52.05	6.59
26 51 13 00-0265	EA	Wire Guard for 1" x 2' Fixture.....	41.07	4.53
26 51 13 00-0266	EA	Wire Guard for 1" x 4' Fixture.....	58.58	7.00
26 51 13 00-0267	EA	Wire Guard for 2" x 2' Fixture.....	49.89	4.94
26 51 13 00-0268	EA	Wire Guard for 2" x 4' Fixture.....	68.56	7.41
26 51 13 00-0269	EA	Wire Guard for Exit Sign Or Emergency Light.....	40.94	6.17
26 51 13 00-0270	EA	Wire Guard for Combination Exit Sign And Emergency Light.....	69.03	6.59
26 51 13 00-0271		LED Fixtures <small>(26 51 13)</small>		
26 51 13 00-0272		Undercabinet LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51 13 00-0273	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture.....	119.46	20.29
26 51 13 00-0274	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture.....	152.53	24.80
26 51 13 00-0275	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture.....	171.97	24.80



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0276 Striplight LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51 13 00-0277 Striplight LED Fixtures <small>(26 51 13 00-0276)</small>		
26 51 13 00-0278 EA 2' Length, 3,000 Lumens, LED Striplight Fluorescent Fixture (Lithonia ZL1)	244.28	22.55
26 51 13 00-0279 EA 4' Length, 2,800 Lumens, LED Striplight Fluorescent Fixture (Lithonia ZL1)	251.80	27.51
26 51 13 00-0280 EA 2' Length, 1,400 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2)	220.18	22.55
26 51 13 00-0281 EA 4' Length, 2,300 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2)	227.70	27.51
26 51 13 00-0282 EA 4' Length, 4,600 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2)	293.18	27.51
26 51 13 00-0283 Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51 13 00-0284 Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0285 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0284)</small>		
26 51 13 00-0286 EA 4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	389.65	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0287 EA 3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	309.44	30.07
<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0288 EA 4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	374.68	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0289 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 13 00-0284)</small>		
26 51 13 00-0290 EA 3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	435.52	35.03
26 51 13 00-0291 EA 3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	302.32	30.07
26 51 13 00-0292 EA 4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	392.53	35.03
26 51 13 00-0293 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 13 00-0284)</small>		
26 51 13 00-0294 EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	209.07	30.07
26 51 13 00-0295 EA 3,800 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	209.07	30.07
26 51 13 00-0296 EA 4,100 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	243.14	30.07
26 51 13 00-0297 EA Wall Controller For PlanLED FTB4E Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED SWMX1-001)	99.79	18.53
26 51 13 00-0298 EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	195.80	30.07
26 51 13 00-0299 EA 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	201.23	30.07
26 51 13 00-0300 EA 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	206.67	30.07
26 51 13 00-0301 Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0302 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0301)</small>		
26 51 13 00-0303 EA 2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	419.80	27.29
<i>For Drywall Or Plaster Ceilings, Add</i>	18.61	
26 51 13 00-0304 EA 2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	363.38	30.07
<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0305 EA 3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	371.06	30.07
<i>For Drywall Or Plaster Ceilings, Add</i>	20.30	
26 51 13 00-0306 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	404.82	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0307 EA 4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	431.07	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0308 EA 2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	341.88	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0309 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	341.88	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0310 Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0311 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0310)</small>		
Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0312 EA 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	350.89	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0313 EA 4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	417.71	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0314 EA 6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	477.85	35.03
<i>For Drywall Or Plaster Ceilings, Add</i>	23.68	
26 51 13 00-0315 Architectural, Lay-In/Troffer LED Fixtures (CREE®) <small>(26 51 13 00-0310)</small>		
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0316 EA 2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	352.86	35.03
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.29	
<i>For Drywall Or Plaster Ceilings, Add</i>	97.31	
<i>For Surface Mount, Add</i>	168.10	
26 51 13 00-0317 EA 3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	359.92	35.03
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.29	
<i>For Drywall Or Plaster Ceilings, Add</i>	97.31	
<i>For Surface Mount, Add</i>	168.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0318 EA 4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	359.92	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	97.31	
For Surface Mount, Add	168.10	
26 51 13 00-0319 EA 5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	403.43	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	97.31	
For Surface Mount, Add	168.10	
26 51 13 00-0320 EA 2,000 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	291.26	30.07
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	85.09	
For Surface Mount, Add	158.37	
26 51 13 00-0321 EA 3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	308.90	30.07
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	85.09	
For Surface Mount, Add	158.37	
26 51 13 00-0322 EA 3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (CREE® AR22™)	280.67	30.07
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	85.09	
For Surface Mount, Add	158.37	
26 51 13 00-0323 EA 3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR22™)	308.90	30.07
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	85.09	
For Surface Mount, Add	158.37	
26 51 13 00-0324 EA 2,200 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	352.86	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	99.66	
For Surface Mount, Add	183.39	
26 51 13 00-0325 EA 3,100 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	359.92	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	99.66	
For Surface Mount, Add	183.39	
26 51 13 00-0326 EA 4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	359.92	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	99.66	
For Surface Mount, Add	183.39	
26 51 13 00-0327 EA 4,000 Lumens, High Efficiency, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® CR24™)	446.58	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	99.66	
For Surface Mount, Add	183.39	
26 51 13 00-0328 EA 5,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	403.43	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	99.66	
For Surface Mount, Add	183.39	
26 51 13 00-0329 EA 4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® AR24™)	325.82	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	99.66	
For Surface Mount, Add	183.39	
26 51 13 00-0330 EA 4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR24™)	352.86	35.03
For Expanded Size Junction Box For Through Wiring, Add	3.29	
For Drywall Or Plaster Ceilings, Add	99.66	
For Surface Mount, Add	183.39	
26 51 13 00-0331 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 13 00-0310)</small>		
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0332 EA 2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	259.19	30.07
26 51 13 00-0333 EA 4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	347.48	35.03
26 51 13 00-0334 Architectural, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 13 00-0310)</small>		
Note: Includes 3,000K/6,500K color temperature, 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 13 00-0335 EA 3,900 Lumens, 2' x 2', Master Unit, Tunable, Architectural, Lay-In/Troffer LED Fixture (PlanLED GP300TK45W-M)	286.93	30.07
26 51 13 00-0336 EA 3,900 Lumens, 2' x 2', Slave Unit, Tunable, Architectural, Lay-In/Troffer LED Fixture (PlanLED GP300TK45W-S)	276.75	30.07
26 51 13 00-0337 EA Occupancy/Photo Control For PlanLED GP300TK45W Tunable, Architectural, Lay-In/Troffer LED Fixtures (PlanLED)	137.62	18.53
26 51 13 00-0338 EA Remote Controller For PlanLED GP300TK45W Tunable, Architectural, Lay-In/Troffer LED Fixtures (PlanLED)	42.11	
26 51 13 00-0339 EA Wall Controller For PlanLED GP300TK45W Tunable, Architectural, Lay-In/Troffer LED Fixtures (PlanLED)	107.71	18.53
26 51 13 00-0340 Surface Mount LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51 13 00-0341 Surface Mount, Volumetric LED Fixtures <small>(26 51 13 00-0340)</small>		
26 51 13 00-0342 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	312.06	22.55
26 51 13 00-0343 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	355.93	27.51
26 51 13 00-0344 Surface Mount, Wraparound LED Fixtures <small>(26 51 13 00-0340)</small>		
26 51 13 00-0345 EA 2' Length, 3,500 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	180.59	27.51
26 51 13 00-0346 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	183.80	27.51



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0347 Surface Mount, Tunable Circular LED Fixtures (PlanLED) <small>(26 51 13 00-0340)</small>		
<i>Note: Kelvin changing fixture with 2,700K to 5,000K color temperature.</i>		
26 51 13 00-0348 EA 23.62" Diameter, 5,500 Lumens, Surface Mount, Tunable Circular LED Fixture (PlanLED HLC4A-058MXUS).....	340.56	22.55
26 51 13 00-0349 EA Remote Controller For PlanLED HLC4A Surface Mount, Tunable Circular LED Fixture (PlanLED SWMX1-003).....	66.01	
26 51 13 00-0350 EA Wall Controller For PlanLED HLC4A Surface Mount, Tunable Circular LED Fixture (PlanLED SWMX1-002)	75.89	18.53
26 51 13 00-0351 Recessed LED Downlights <small>(26 51 13 00-0271)</small>		
26 51 13 00-0352 Recessed LED Downlights <small>(26 51 13 00-0351)</small>		
26 51 13 00-0353 Recessed LED Downlights (Lithonia) <small>(26 51 13 00-0352)</small>		
<i>Note: Includes housing and trim.</i>		
26 51 13 00-0354 EA 1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	349.87	36.18
	<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	
	78.92	
26 51 13 00-0355 EA 1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	383.28	36.18
	<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	
	78.92	
26 51 13 00-0356 Recessed LED Downlights (Portfolio®) <small>(26 51 13 00-0352)</small>		
<i>Note: Includes housing and trim.</i>		
26 51 13 00-0357 EA 1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	207.77	36.18
26 51 13 00-0358 Recessed LED Downlights (Gotham® EVO®) <small>(26 51 13 00-0352)</small>		
<i>Note: Includes housing and trim.</i>		
26 51 13 00-0359 EA 1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	337.60	36.18
26 51 13 00-0360 EA 1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	350.69	36.18
26 51 13 00-0361 EA 1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	404.38	36.18
26 51 13 00-0362 EA 1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	409.63	36.18
26 51 13 00-0363 EA 1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	455.45	36.18
26 51 13 00-0364 Recessed LED Downlights (Lightolier) <small>(26 51 13 00-0352)</small>		
<i>Note: Includes housing and trim.</i>		
26 51 13 00-0365 EA 500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	306.43	36.18
26 51 13 00-0366 EA 1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	357.19	36.18
26 51 13 00-0367 EA 1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	382.51	36.18
26 51 13 00-0368 EA 2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	382.51	36.18
26 51 13 00-0369 EA 1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	395.23	36.18
26 51 13 00-0370 EA 2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	407.95	36.18
26 51 13 00-0371 Screw-In, Recessed LED Downlights And Trim (CREE®) <small>(26 51 13 00-0351)</small>		
26 51 13 00-0372 Screw-In, Recessed LED Downlights (CREE®) <small>(26 51 13 00-0371)</small>		
<i>Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.</i>		
26 51 13 00-0373 EA 575 Lumens, 4" Diameter, Screw In Base, LED Downlight (Cree® CR4-575L).....	69.97	
26 51 13 00-0374 EA 625 Lumens, 6" Diameter, Screw In Base, LED Downlight (Cree® CR6-625L).....	60.56	
26 51 13 00-0375 EA 800 Lumens, 6" Diameter, Screw In Base, LED Downlight (Cree® CR6-800L).....	74.67	
26 51 13 00-0376 Screw-In, Recessed LED Downlight Trim (CREE®) <small>(26 51 13 00-0371)</small>		
<i>Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.</i>		
26 51 13 00-0377 EA 6" Diameter, Anodized Finish Reflector For LED Downlights (Cree® CT6AX)	28.80	5.75
26 51 13 00-0378 EA 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlights (Cree® CT6BB).....	29.98	5.75
26 51 13 00-0379 Can Retrofit Or Surface Mount, LED Downlights <small>(26 51 13 00-0351)</small>		
26 51 13 00-0380 EA 15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	84.07	22.55
26 51 13 00-0381 EA 7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D)	64.55	22.55
26 51 13 00-0382 EA 9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D)	64.55	22.55
26 51 13 00-0383 EA 8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP)	76.05	22.55
	<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	
	28.98	
26 51 13 00-0384 Wall Mount LED Cylinder Downlight <small>(26 51 13 00-0271)</small>		
26 51 13 00-0385 EA 2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	469.52	35.03
26 51 13 00-0386 Concealed Continuous LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51 13 00-0387 Concealed Continuous LED Fixtures (Fraqtir™ S301) <small>(26 51 13 00-0386)</small>		
26 51 13 00-0388 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	348.35	3.76
26 51 13 00-0389 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	396.90	3.76

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 13 00-0390		LED Low Bay Fixtures <small>(26 51 13 00-0271)</small>			
26 51 13 00-0391		LED Linear Low Bay Fixtures (PlanLED) <small>(26 51 13 00-0390)</small>			
26 51 13 00-0392	EA	4' Length, 46 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A)	248.46		45.11
26 51 13 00-0393	EA	8' Length, 96 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A)	404.25		56.38
26 51 13 00-0394		LED Linear Low Bay Fixtures (CREE® CS) <small>(26 51 13 00-0390)</small>			
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.					
26 51 13 00-0395	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	503.60		45.11
26 51 13 00-0396	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	625.88		56.38
26 51 13 00-0397	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	801.10		56.38
26 51 13 00-0398		Wet/Hazardous Location, LED Fixtures <small>(26 51 13 00-0271)</small>			
26 51 13 00-0399		Wet Location, LED Fixtures <small>(26 51 13 00-0398)</small>			
26 51 13 00-0400		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 13 00-0399)</small>			
Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.					
26 51 13 00-0401	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	1,172.08		63.14
		For Ceiling Mount, Add	47.01		
		For Quick Clip Mounting Option, Add	18.77		
		For Frosted Lens, Add	40.37		
		For Warm White Color Rendering, Add	54.07		
		For Stanchion Mount, Add	97.49		
		For Wall Mount, Add	103.82		
		For Polycarbonate Lens, Add	77.84		
		For Teflon Coated Lens, Add	85.68		
		For 347 Or 480 Volt AC, Add	117.90		
26 51 13 00-0402	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	1,227.50		67.66
		For Ceiling Mount, Add	47.01		
		For Quick Clip Mounting Option, Add	18.77		
		For Frosted Lens, Add	40.37		
		For Warm White Color Rendering, Add	54.07		
		For Stanchion Mount, Add	97.49		
		For Wall Mount, Add	103.82		
		For Polycarbonate Lens, Add	77.84		
		For Teflon Coated Lens, Add	85.68		
		For 347 Or 480 Volt AC, Add	117.90		
26 51 13 00-0403	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	1,380.67		72.17
		For Ceiling Mount, Add	47.01		
		For Quick Clip Mounting Option, Add	18.77		
		For Frosted Lens, Add	40.37		
		For Warm White Color Rendering, Add	54.07		
		For Stanchion Mount, Add	97.49		
		For Wall Mount, Add	103.82		
		For Polycarbonate Lens, Add	77.84		
		For Teflon Coated Lens, Add	85.68		
		For 347 Or 480 Volt AC, Add	117.90		
26 51 13 00-0404	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	1,706.23		76.68
		For Ceiling Mount, Add	47.01		
		For Quick Clip Mounting Option, Add	18.77		
		For Frosted Lens, Add	40.37		
		For Warm White Color Rendering, Add	54.07		
		For Stanchion Mount, Add	97.49		
		For Wall Mount, Add	103.82		
		For Polycarbonate Lens, Add	77.84		
		For Teflon Coated Lens, Add	85.68		
		For 347 Or 480 Volt AC, Add	117.90		
26 51 13 00-0405	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	1,992.63		81.19
		For Ceiling Mount, Add	47.01		
		For Quick Clip Mounting Option, Add	18.77		
		For Frosted Lens, Add	40.37		
		For Warm White Color Rendering, Add	54.07		
		For Stanchion Mount, Add	97.49		
		For Wall Mount, Add	103.82		
		For Polycarbonate Lens, Add	77.84		
		For Teflon Coated Lens, Add	85.68		
		For 347 Or 480 Volt AC, Add	117.90		
26 51 13 00-0406		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 13 00-0399)</small>			
Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.					



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0407 EA 64 System Watts, 3,160 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM5L).....	1,269.25	67.66
<i>For Bolt-On Visor, Add</i>	29.52	
<i>For Bolt-On Wire Guard, Add</i>	54.07	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	
26 51 13 00-0408 EA 94 System Watts, 4,740 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM7L).....	1,575.82	72.17
<i>For Bolt-On Visor, Add</i>	29.52	
<i>For Bolt-On Wire Guard, Add</i>	54.07	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	
26 51 13 00-0409 EA 126 System Watts, 6,320 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM9L).....	1,736.09	76.68
<i>For Bolt-On Visor, Add</i>	29.52	
<i>For Bolt-On Wire Guard, Add</i>	54.07	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	
26 51 13 00-0410 EA 188 System Watts, 9,481 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM11L).....	1,989.97	81.19
<i>For Bolt-On Visor, Add</i>	29.52	
<i>For Bolt-On Wire Guard, Add</i>	54.07	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	
26 51 13 00-0411 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 13 00-0399)</small>		
Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0412 EA 25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	750.78	63.14
<i>For 12/24 Volt DC Driver, Add</i>	22.81	
<i>For Frosted Lens, Add</i>	25.69	
<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	31.04	
<i>For Warm White Color Rendering, Add</i>	36.34	
<i>For Ceiling Mount, Add</i>	73.08	
<i>For Wall Mount, Add</i>	95.60	
<i>For Teflon Coated Lens, Add</i>	98.53	
<i>For Wall Mount With Junction Box, Add</i>	128.47	
26 51 13 00-0413 Class I Division 2, Hazardous Location, LED Fixtures <small>(26 51 13 00-0398)</small>		
26 51 13 00-0414 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 51 13 00-0413)</small>		
Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0415 EA 64 System Watts, 3,160 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV5L).....	1,454.98	67.66
<i>For Bolt-On Visor, Add</i>	33.95	
<i>For Bolt-On Wire Guard, Add</i>	62.17	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	
26 51 13 00-0416 EA 94 System Watts, 4,740 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV7L).....	1,779.46	72.17
<i>For Bolt-On Visor, Add</i>	33.95	
<i>For Bolt-On Wire Guard, Add</i>	62.17	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	
26 51 13 00-0417 EA 126 System Watts, 6,320 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV9L).....	2,008.85	76.68
<i>For Bolt-On Visor, Add</i>	33.95	
<i>For Bolt-On Wire Guard, Add</i>	62.17	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	
26 51 13 00-0418 EA 188 System Watts, 9,481 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV11L).....	2,244.59	81.19
<i>For Bolt-On Visor, Add</i>	33.95	
<i>For Bolt-On Wire Guard, Add</i>	62.17	
<i>For Factory Installed Fuse, Add</i>	76.05	
<i>For 347 Or 480 Volt AC, Add</i>	117.90	
<i>For Warm White Color Rendering, Add</i>	120.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 13 00-0419			Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 51 13 00-0413)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0420	EA		25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	888.89	63.14
			<i>For 12/24 Volt DC Driver, Add</i>	19.84	
			<i>For Frosted Lens, Add</i>	22.34	
			<i>For Warm White Color Temperature LEDs, Add</i>	27.00	
			<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	31.60	
			<i>For Stanchion Mount, Add</i>	64.00	
			<i>For Ceiling Mount, Add</i>	80.59	
			<i>For Wall Mount, Add</i>	104.24	
			<i>For Teflon Coated Lens, Add</i>	85.68	
			<i>For Wall Mount With Junction Box, Add</i>	138.76	
26 51 13 00-0421			Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 51 13 00-0413)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0422	EA		47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	1,331.11	63.14
			<i>For Ceiling Mount, Add</i>	54.34	
			<i>For Quick Clip Mounting Option, Add</i>	18.77	
			<i>For Frosted Lens, Add</i>	46.43	
			<i>For Warm White Color Rendering, Add</i>	54.07	
			<i>For Polycarbonate Lens, Add</i>	77.84	
			<i>For 347 Or 480 Volt AC, Add</i>	117.90	
26 51 13 00-0423	EA		63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	1,473.80	67.66
			<i>For Ceiling Mount, Add</i>	54.34	
			<i>For Quick Clip Mounting Option, Add</i>	18.77	
			<i>For Frosted Lens, Add</i>	46.43	
			<i>For Warm White Color Rendering, Add</i>	54.07	
			<i>For Polycarbonate Lens, Add</i>	77.84	
			<i>For 347 Or 480 Volt AC, Add</i>	117.90	
26 51 13 00-0424	EA		98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	1,764.61	72.17
			<i>For Ceiling Mount, Add</i>	54.34	
			<i>For Quick Clip Mounting Option, Add</i>	18.77	
			<i>For Frosted Lens, Add</i>	46.43	
			<i>For Warm White Color Rendering, Add</i>	54.07	
			<i>For Polycarbonate Lens, Add</i>	77.84	
			<i>For 347 Or 480 Volt AC, Add</i>	117.90	
26 51 13 00-0425	EA		98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	2,145.19	76.68
			<i>For Ceiling Mount, Add</i>	54.34	
			<i>For Quick Clip Mounting Option, Add</i>	18.77	
			<i>For Frosted Lens, Add</i>	46.43	
			<i>For Warm White Color Rendering, Add</i>	54.07	
			<i>For Polycarbonate Lens, Add</i>	77.84	
			<i>For 347 Or 480 Volt AC, Add</i>	117.90	
26 51 13 00-0426	EA		137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	2,416.31	81.19
			<i>For Ceiling Mount, Add</i>	54.34	
			<i>For Quick Clip Mounting Option, Add</i>	18.77	
			<i>For Frosted Lens, Add</i>	46.43	
			<i>For Warm White Color Rendering, Add</i>	54.07	
			<i>For Polycarbonate Lens, Add</i>	77.84	
			<i>For 347 Or 480 Volt AC, Add</i>	117.90	
26 51 13 00-0427			Class I Division 1, Explosion Proof, LED Fixtures <small>(26 51 13 00-0398)</small>		
26 51 13 00-0428			Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 51 13 00-0427)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0429	EA		80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	1,928.28	67.66
			<i>For Wall Mount, Deduct</i>	58.17	
			<i>For Warm Color Temperature LEDs, Add</i>	51.49	
			<i>For Stainless Steel Guard, Add</i>	138.40	
			<i>For Ceiling Mount, Add</i>	151.06	
			<i>For Stanchion Mount, Add</i>	193.15	
			<i>For Yoke Mount, Add</i>	321.41	
26 51 13 00-0430	EA		100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	2,341.36	72.17
			<i>For Wall Mount, Deduct</i>	58.17	
			<i>For Warm Color Temperature LEDs, Add</i>	51.49	
			<i>For Stainless Steel Guard, Add</i>	138.40	
			<i>For Ceiling Mount, Add</i>	151.06	
			<i>For Stanchion Mount, Add</i>	193.15	
			<i>For Yoke Mount, Add</i>	321.41	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0431 EA 130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	2,717.63	76.68
<i>For Wall Mount, Deduct</i>	58.17	
<i>For Warm Color Temperature LEDs, Add</i>	51.49	
<i>For Stainless Steel Guard, Add</i>	138.40	
<i>For Ceiling Mount, Add</i>	151.06	
<i>For Stanchion Mount, Add</i>	193.15	
<i>For Yoke Mount, Add</i>	321.41	
26 51 13 00-0432 EA 151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	3,100.78	81.19
<i>For Wall Mount, Deduct</i>	58.17	
<i>For Warm Color Temperature LEDs, Add</i>	51.49	
<i>For Stainless Steel Guard, Add</i>	138.40	
<i>For Ceiling Mount, Add</i>	151.06	
<i>For Stanchion Mount, Add</i>	193.15	
<i>For Yoke Mount, Add</i>	321.41	
26 51 13 00-0433 EA 175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	3,590.09	78.18
<i>For Wall Mount, Deduct</i>	58.17	
<i>For Warm Color Temperature LEDs, Add</i>	51.49	
<i>For Stainless Steel Guard, Add</i>	138.40	
<i>For Ceiling Mount, Add</i>	151.06	
<i>For Stanchion Mount, Add</i>	193.15	
<i>For Yoke Mount, Add</i>	321.41	
26 51 13 00-0434 Refrigeration/Display LED Fixtures (26 51 13 00-0271)		
26 51 13 00-0435 Refrigeration/Display LED Fixtures (Lithonia) (26 51 13 00-0434)		
Note: Fixtures exclude driver.		
26 51 13 00-0436 EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM DLC)	254.94	35.03
26 51 13 00-0437 EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	324.08	62.02
26 51 13 00-0438 EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	316.79	49.61
26 51 13 00-0439 Recessed Fixtures (26 51 13)		
Note: Housing and trim priced separately.		
26 51 13 00-0440 Recessed Fixture Housings (26 51 13 00-0439)		
Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.		
26 51 13 00-0441 Compact Fluorescent, Recessed Fixture Housings (26 51 13 00-0440)		
26 51 13 00-0442 EA 4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	83.41	23.51
<i>For ICAT Housing, Add</i>	6.20	
26 51 13 00-0443 EA 5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	85.50	23.51
<i>For ICAT Housing, Add</i>	6.47	
26 51 13 00-0444 EA 6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	88.82	24.67
<i>For ICAT Housing, Add</i>	6.68	
26 51 13 00-0445 EA 7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	91.60	25.74
<i>For ICAT Housing, Add</i>	6.83	
26 51 13 00-0446 EA 8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	94.71	26.80
<i>For ICAT Housing, Add</i>	7.02	
26 51 13 00-0447 EA 10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	97.99	28.45
<i>For ICAT Housing, Add</i>	7.12	
26 51 13 00-0448 Fluorescent, Recessed Fixture Housings (26 51 13 00-0440)		
26 51 13 00-0449 EA 4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	74.29	23.51
<i>For ICAT Housing, Add</i>	5.02	
26 51 13 00-0450 EA 5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	76.41	23.51
<i>For ICAT Housing, Add</i>	5.30	
26 51 13 00-0451 EA 6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	79.66	24.59
<i>For ICAT Housing, Add</i>	5.50	
26 51 13 00-0452 EA 7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	83.64	25.49
<i>For ICAT Housing, Add</i>	5.80	
26 51 13 00-0453 EA 8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	87.18	26.80
<i>For ICAT Housing, Add</i>	6.05	
26 51 13 00-0454 EA 10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	90.62	28.45
<i>For ICAT Housing, Add</i>	6.17	
26 51 13 00-0455 High Pressure Sodium, Recessed Fixture Housings (26 51 13 00-0440)		
26 51 13 00-0456 EA 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	86.42	23.68
<i>For ICAT Housing, Add</i>	6.59	
26 51 13 00-0457 EA 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	89.83	23.68
<i>For ICAT Housing, Add</i>	7.03	
26 51 13 00-0458 EA 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	94.31	24.67
<i>For ICAT Housing, Add</i>	7.39	
26 51 13 00-0459 EA 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	97.82	25.74
<i>For ICAT Housing, Add</i>	7.63	
26 51 13 00-0460 EA 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	101.29	26.80
<i>For ICAT Housing, Add</i>	7.87	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0461	EA		10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	104.67 7.99	28.45
26 51 13 00-0462			Incandescent, Recessed Fixture Housings (26 51 13 00-0440)		
26 51 13 00-0463	EA		4" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	50.40 1.94	23.51
26 51 13 00-0464	EA		5" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	50.40 1.94	23.51
26 51 13 00-0465	EA		6" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	53.34 2.11	24.67
26 51 13 00-0466	EA		7" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	56.37 2.29	25.74
26 51 13 00-0467	EA		8" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	59.40 2.47	26.80
26 51 13 00-0468	EA		10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	61.07 2.36	28.45
26 51 13 00-0469			LED, Recessed Fixture Housings (26 51 13 00-0440)		
26 51 13 00-0470	EA		16 Watt, 6" Round, LED, Recessed Fixture Housing	338.14	24.67
26 51 13 00-0471	EA		25 Watt, 6" Round, LED, Recessed Fixture Housing	402.67	24.67
26 51 13 00-0472	EA		28 Watt, 8" Round, LED, Recessed Fixture Housing	492.00	26.80
26 51 13 00-0473	EA		36 Watt, 8" Round, LED, Recessed Fixture Housing	588.79	26.80
26 51 13 00-0474			Recessed Fixture Trim (26 51 13 00-0439)		
26 51 13 00-0475	EA		Circular, Recessed Fixture Trim	35.88	11.52
26 51 13 00-0476	EA		Circular Clear Lens, Recessed Fixture Trim	39.29	11.52
26 51 13 00-0477	EA		Open/Baffle, Recessed Fixture Trim	45.20	11.52
26 51 13 00-0478	EA		Specular Reflector, Recessed Fixture Trim	48.33	11.52
26 51 13 00-0479	EA		Eyeball, Recessed Fixture Trim	39.34	11.52
26 51 13 00-0480	EA		10" To 12" Square, Clear Lens, Recessed Fixture Trim	37.51	11.52
26 51 13 00-0481	EA		10" To 12" Square, Drop Dish, Recessed Fixture Trim	39.61	11.52
26 51 13 00-0482			Ceiling Mounted Fixtures (26 51 13)		
26 51 13 00-0483			Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0482)		
26 51 13 00-0484			Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0483)		
26 51 13 00-0485	EA		6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	88.47	32.89
26 51 13 00-0486	EA		9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	101.86	32.89
26 51 13 00-0487			Ceiling Mounted, Circline Fluorescent Fixtures (26 51 13 00-0482)		
26 51 13 00-0488			Exposed Lamps, Circline Fluorescent Fixtures (26 51 13 00-0487)		
26 51 13 00-0489	EA		8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	77.93	32.89
26 51 13 00-0490	EA		12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	84.14	32.89
26 51 13 00-0491			Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 13 00-0487)		
26 51 13 00-0492	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	106.22	32.89
26 51 13 00-0493	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	143.07	32.89
26 51 13 00-0494	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	168.61	32.89
26 51 13 00-0495	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	118.16	32.89
26 51 13 00-0496	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	143.83	32.89
26 51 13 00-0497	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	168.61	32.89
26 51 13 00-0498			Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0482)		
26 51 13 00-0499			Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0498)		
26 51 13 00-0500	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	108.72	32.89
26 51 13 00-0501	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	134.31	32.89
26 51 13 00-0502	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	157.25	32.89
26 51 13 00-0503	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	90.16	32.89
26 51 13 00-0504	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	104.22	32.89
26 51 13 00-0505	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	130.86	32.89
26 51 13 00-0506			Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 13 00-0482)		
26 51 13 00-0507			Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 13 00-0506)		
26 51 13 00-0508	EA		6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	155.21	27.02



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0509 Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 13 00-0506)</small>		
26 51 13 00-0510 EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	175.59	27.02
26 51 13 00-0511 EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	241.35	27.02
26 51 13 00-0512 Pendant Mounted, Horizontal Indirect Fluorescent Fixtures <small>(26 51 13 00-0482)</small>		
26 51 13 00-0513 EA 1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	160.73	27.02
26 51 13 00-0514 EA 2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	172.51	27.02
26 51 13 00-0515 EA 3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	206.05	27.02
26 51 13 00-0516 EA 2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	211.10	27.02
26 51 13 00-0517 EA 4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	254.43	27.02
26 51 13 00-0518 EA 6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	304.70	27.02
26 51 13 00-0519 Finelite Fluorescent Fixtures <small>(26 51 13 00-0482)</small>		
26 51 13 00-0520 Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 13 00-0519)</small>		
26 51 13 00-0521 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	264.74	38.32
26 51 13 00-0522 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	263.77	38.32
26 51 13 00-0523 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	284.24	38.32
26 51 13 00-0524 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	318.70	38.32
26 51 13 00-0525 EA 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	350.26	38.32
26 51 13 00-0526 EA 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	428.98	38.32
26 51 13 00-0527 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	372.59	39.96
26 51 13 00-0528 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	383.51	39.96
26 51 13 00-0529 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	424.44	39.96
26 51 13 00-0530 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	411.92	39.96
26 51 13 00-0531 EA 4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	517.91	39.96
26 51 13 00-0532 EA 6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	611.04	39.96
26 51 13 00-0533 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	489.02	41.60
26 51 13 00-0534 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	507.55	41.60
26 51 13 00-0535 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	560.37	41.60
26 51 13 00-0536 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	569.45	41.60
26 51 13 00-0537 EA 6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	707.00	41.60
26 51 13 00-0538 EA 9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	848.83	41.60
26 51 13 00-0539 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 13 00-0519)</small>		
26 51 13 00-0540 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	254.83	38.32
26 51 13 00-0541 EA 1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	276.10	38.32
26 51 13 00-0542 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	278.35	38.32
26 51 13 00-0543 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	367.78	39.96
26 51 13 00-0544 EA 2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	392.33	39.96
26 51 13 00-0545 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	396.82	39.96
26 51 13 00-0546 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	480.75	41.60
26 51 13 00-0547 EA 3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	544.57	41.60
26 51 13 00-0548 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	551.31	41.60
26 51 13 00-0549 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) <small>(26 51 13 00-0519)</small>		
26 51 13 00-0550 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	198.33	38.32



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0551	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	208.54	38.32
26 51	13 00-0552	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	244.06	38.32
26 51	13 00-0553	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	255.03	39.96
26 51	13 00-0554	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	298.47	39.96
26 51	13 00-0555	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	349.96	39.96
26 51	13 00-0556	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	346.25	41.60
26 51	13 00-0557	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	420.61	41.60
26 51	13 00-0558	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	499.56	41.60
26 51	13 00-0559		Track Lighting <small>(26 51 13)</small>		
26 51	13 00-0560		Track Lighting Tracks <small>(26 51 13 00-0559)</small>		
26 51	13 00-0561	LF	1 Circuit Track Lighting Track	22.40	5.42
26 51	13 00-0562	LF	2 Circuit Track Lighting Track	29.79	5.42
26 51	13 00-0563	LF	3 Circuit Track Lighting Track	36.05	5.42
26 51	13 00-0564	LF	4 Circuit Track Lighting Track	42.31	6.57
26 51	13 00-0565		Track Lighting Fixtures <small>(26 51 13 00-0559)</small>		
26 51	13 00-0566		Compact Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0565)</small>		
26 51	13 00-0567	EA	Compact Fluorescent Track Lighting Fixture	52.74	13.73
26 51	13 00-0568		Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0565)</small>		
26 51	13 00-0569	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	250.79	13.73
26 51	13 00-0570	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	262.41	13.73
26 51	13 00-0571	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	269.66	13.73
26 51	13 00-0572	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	238.28	13.73
26 51	13 00-0573	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	305.05	13.73
26 51	13 00-0574		Metal Halide Track Lighting Fixtures <small>(26 51 13 00-0565)</small>		
26 51	13 00-0575	EA	Metal Halide Track Lighting Fixture.....	55.51	13.73
26 51	13 00-0576		Incandescent Track Lighting Fixtures <small>(26 51 13 00-0565)</small>		
26 51	13 00-0577	EA	Incandescent Track Lighting Fixture	45.86	13.73
26 51	13 00-0578	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	58.47	13.73
26 51	13 00-0579	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	87.75	13.73
26 51	13 00-0580	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	90.65	13.73
26 51	13 00-0581	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	71.73	13.73
26 51	13 00-0582	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	58.47	13.73
26 51	13 00-0583	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish..... Note: 120V.	70.33	13.73
26 51	13 00-0584	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	93.56	13.73
26 51	13 00-0585		LED Track Lighting Fixtures <small>(26 51 13 00-0565)</small>		
26 51	13 00-0586	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	200.63	13.73
26 51	13 00-0587	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	357.44	13.73
26 51	13 00-0588	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	206.59	13.73
26 51	13 00-0589		Track Lighting Accessories <small>(26 51 13 00-0559)</small>		
26 51	13 00-0590		Pendant Mounting <small>(26 51 13 00-0589)</small>		
26 51	13 00-0591	EA	Track Lighting Pendant Mounting, Up to 12".....	22.49	
26 51	13 00-0592	EA	Track Lighting Pendant Mounting, >12" To 24".....	29.88	
26 51	13 00-0593	EA	Track Lighting Pendant Mounting, >24" To 36".....	36.74	
26 51	13 00-0594		Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
26 51	13 00-0595		Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0594)</small>		
26 51	13 00-0596		Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0595)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0597 EA 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	117.17	32.89
<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0598 EA 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	138.59	32.89
<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0599 Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0595)</small>		
26 51 13 00-0600 EA 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	128.22	32.89
<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0601 EA 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	132.43	32.89
<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0602 EA 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	142.85	32.89
<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0603 Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0595)</small>		
26 51 13 00-0604 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	164.86	32.89
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0605 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	170.77	32.89
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0606 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	182.77	32.89
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0607 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	200.82	32.89
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0608 High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0595)</small>		
26 51 13 00-0609 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	150.80	32.89
<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0610 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	158.14	32.89
<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0611 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	186.51	32.89
<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0612 Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0594)</small>		
26 51 13 00-0613 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0612)</small>		
26 51 13 00-0614 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 13 00-0613)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0615 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	161.02	35.03
<i>For T5 Fixture Instead Of T8, Add</i>	12.41	
26 51 13 00-0616 EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	168.28	35.03
<i>For T5 Fixture Instead Of T8, Add</i>	13.24	
26 51 13 00-0617 EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	255.23	35.03
<i>For T5 Fixture Instead Of T8, Add</i>	23.20	
26 51 13 00-0618 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	222.18	35.03
26 51 13 00-0619 EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	348.89	35.03
26 51 13 00-0620 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) <small>(26 51 13 00-0613)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0621 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	190.84	35.03
26 51 13 00-0622 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	193.17	35.03
26 51 13 00-0623 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	275.94	35.03
26 51 13 00-0624 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	230.04	35.03
26 51 13 00-0625 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	239.92	35.03
26 51 13 00-0626 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0612)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0627 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 13 00-0626)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0628 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	296.22	47.58
<i>For T5 Fixture Instead Of T8, Add</i>	25.74	
26 51 13 00-0629 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	307.74	47.58
<i>For T5 Fixture Instead Of T8, Add</i>	27.06	
26 51 13 00-0630 Large Interior Area Fixtures <small>(26 51 13)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 13 00-0631	Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0630)</small> Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0632	High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0631)</small>		
26 51 13 00-0633	EA 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....263.13	87.65	
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0634	EA 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....273.41	93.08	
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0635	EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....293.50	106.24	
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0636	Metal Halide, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0631)</small>		
26 51 13 00-0637	EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....267.49	87.65	
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0638	EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....274.28	93.08	
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0639	EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....293.26	106.24	
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0640	Low Bay Fixtures, Large Interior Area Fixtures <small>(26 51 13 00-0630)</small> Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0641	High Pressure Sodium, Low Bay Fixtures <small>(26 51 13 00-0640)</small>		
26 51 13 00-0642	EA 150 Watt High Pressure Sodium, Low Bay Fixture .....398.07	80.14	
	For Wire Guard, Add	40.50	
	For Enclosed And Gasketed, Add	75.47	
	For Instant Quartz Restrike, Add	60.00	
	For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0643	EA 250 Watt High Pressure Sodium, Low Bay Fixture .....406.07	85.09	
	For Wire Guard, Add	40.50	
	For Enclosed And Gasketed, Add	75.47	
	For Instant Quartz Restrike, Add	60.00	
	For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0644	EA 400 Watt High Pressure Sodium, Low Bay Fixture .....430.46	97.12	
	For Wire Guard, Add	40.50	
	For Enclosed And Gasketed, Add	75.47	
	For Instant Quartz Restrike, Add	60.00	
	For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0645	Metal Halide, Low Bay Fixtures <small>(26 51 13 00-0640)</small>		
26 51 13 00-0646	EA 175 Watt Metal Halide, Low Bay Fixture .....397.93	80.14	
	For Wire Guard, Add	40.50	
	For Enclosed And Gasketed, Add	75.47	
	For Instant Quartz Restrike, Add	60.00	
	For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0647	EA 250 Watt Metal Halide, Low Bay Fixture .....405.26	85.09	
	For Wire Guard, Add	40.50	
	For Enclosed And Gasketed, Add	75.47	
	For Instant Quartz Restrike, Add	60.00	
	For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0648	EA 400 Watt Metal Halide, Low Bay Fixture .....428.37	97.12	
	For Wire Guard, Add	40.50	
	For Enclosed And Gasketed, Add	75.47	
	For Instant Quartz Restrike, Add	60.00	
	For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0649	High Bay Fixtures, Large Interior Area Fixtures <small>(26 51 13 00-0630)</small> Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 13 00-0650	High Pressure Sodium, High Bay Fixtures <small>(26 51 13 00-0649)</small> Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0651	EA 250 Watt High Pressure Sodium, High Bay Fixture .....354.80	85.09	
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
	For Glass Or Acrylic Reflector, Add	90.00	
	For Tempered Glass Or Acrylic Lens, Add	60.50	
	For Polycarbonate Lens, Add	47.75	
	For Security Chain, Add	19.34	
	For Optical Safety Chain, Add	7.47	
	For Ballast Safety Chain, Add	12.13	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0652	EA	400 Watt High Pressure Sodium, High Bay Fixture	384.60	97.12
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51	13 00-0653	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	576.63	102.15
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51	13 00-0654		Metal Halide, High Bay Fixtures <small>(26 51 13 00-0649)</small>		
			Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51	13 00-0655	EA	250 Watt Metal Halide, High Bay Fixture	329.90	85.09
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51	13 00-0656	EA	400 Watt Metal Halide, High Bay Fixture	352.80	97.12
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51	13 00-0657	EA	1,000 Watt Metal Halide, High Bay Fixture	490.20	102.15
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51	13 00-0658		(T8) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0649)</small>		
26 51	13 00-0659		(T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0658)</small>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51	13 00-0660	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	278.08	76.67
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0661	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	293.02	84.94
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0662	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	332.56	96.97
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0663	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	393.75	102.15
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0664	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	427.15	106.90
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0665	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	351.47	96.97
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0666	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	365.61	102.15
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0667 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	426.96	106.90
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0668 (T5HO) Fluorescent, High Bay Fixtures (26 51 13 00-0649)		
26 51 13 00-0669 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 13 00-0668)		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0670 EA 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	285.79	76.67
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0671 EA 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	303.25	84.94
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0672 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	347.13	96.97
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0673 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	418.06	102.15
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0674 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	387.61	96.97
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0675 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	432.95	102.15
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0676 EA 8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	519.65	106.90
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0677 Induction, High Bay Fixtures (26 51 13 00-0649)		
26 51 13 00-0678 Induction, High Bay Fixtures (Everlast®) (26 51 13 00-0677)		
Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 13 00-0679 EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	434.82	74.42
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0680 EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	469.57	76.90
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0681 EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	477.61	79.39
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0682 EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	525.20	81.86
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0683 EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	538.59	84.34
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0684 EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	472.24	74.42
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0685 EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	506.99	76.90
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0686 EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	515.03	79.39
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0687 EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	562.62	81.86
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0688 EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	576.00	84.34
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0689 LED, High Bay Fixtures (26 51 13 00-0649)		
26 51 13 00-0690 LED High Bay Fixtures (Lithonia IBL) (26 51 13 00-0689)		
Note: Includes aluminum alloy chassis.		
26 51 13 00-0691 EA 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L).....	546.24	82.68
26 51 13 00-0692 EA 12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L).....	599.70	82.68
26 51 13 00-0693 EA 18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L).....	744.03	82.68
26 51 13 00-0694 EA 24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L).....	801.76	82.68
26 51 13 00-0695 LED High Bay Fixtures (PlanLED LUNA) (26 51 13 00-0689)		
Note: Includes aluminum alloy chassis.		
26 51 13 00-0696 EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70).....	547.20	82.68
26 51 13 00-0697 EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98).....	649.02	82.68
26 51 13 00-0698 EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130).....	699.94	82.68
26 51 13 00-0699 EA 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160).....	776.30	82.68



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0700 Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0630)</small> Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 13 00-0701 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0700)</small>		
26 51 13 00-0702 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture 317.49	317.49	56.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0703 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture 354.49	354.49	56.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0704 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture 403.96	403.96	56.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0705 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture 539.00	539.00	56.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0706 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0700)</small>		
26 51 13 00-0707 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture 268.41	268.41	56.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0708 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture 288.19	288.19	63.23
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0709 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture 305.48	305.48	68.49
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0710 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture 331.72	331.72	81.56
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0711 Removal And Reinstallation Of Light Fixtures <small>(26 51 13)</small> Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 13 00-0712 EA Remove And Reinstall Lay-In Fluorescent Light Fixture 87.58	87.58	
26 51 13 00-0713 EA Remove And Reinstall Surface Mounted Or Pendant Light Fixture 100.09	100.09	
26 51 13 00-0714 Retrofit Existing Fluorescent Fixtures <small>(26 51 13)</small>		
26 51 13 00-0715 EA Convert 1L F96 fixture to operate (2) F32T8 lamps 160.26	160.26	
Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
For Specular Reflector, Add	20.52	
For Retrofit Kit Without Ballast, Deduct	-61.31	
26 51 13 00-0716 EA Convert 2L F96 fixture to operate (4) F32T8 lamps 164.37	164.37	
Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
For Specular Reflector, Add	20.52	
For Retrofit Kit Without Ballast, Deduct	-61.93	
26 51 13 00-0717 EA Convert 1L UFB40 fixture to operate (2) F17T8 lamps 98.63	98.63	
Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
For Specular Reflector, Add	6.35	
For Retrofit Kit Without Ballast, Deduct	-34.74	
26 51 13 00-0718 EA Convert 2L UFB40 fixture to operate (3) F17T8 lamps 101.92	101.92	
Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.		
For Specular Reflector, Add	6.35	
For Retrofit Kit Without Ballast, Deduct	-35.23	
26 52 Emergency Lighting <small>(26 50)</small>		
26 52 00 00-0001 Commercial Emergency Lights <small>(26 52)</small>		
26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights <small>(26 52 00 00-0001)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) 130.77	130.77	20.56
26 52 00 00-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2) 93.09	93.09	20.56
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618) 142.40	142.40	20.56
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	

26	Electrical
26 50	Lighting
26 52	Emergency Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	164.73	20.56
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	241.46	20.56
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	272.60	20.56
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0009	EA		72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	393.94	20.56
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0010			Remote Heads For Commercial Emergency Lights <small>(26 52 00 00-0001)</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0011	EA		6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	87.84	12.34
26 52 00 00-0012	EA		6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	88.40	12.34
26 52 00 00-0013	EA		8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	90.29	12.34
26 52 00 00-0014	EA		12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	89.98	12.34
26 52 00 00-0015	EA		12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	78.42	12.34
26 52 00 00-0016	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	55.45	12.34
26 52 00 00-0017			Industrial Emergency Lights <small>(26 52)</small>		
26 52 00 00-0018			Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0019			Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	224.51	20.56
			<i>For Wireguard, Add</i>	110.35	
26 52 00 00-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	189.66	20.56
			<i>For Wireguard, Add</i>	110.35	
26 52 00 00-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	291.50	20.56
			<i>For Wireguard, Add</i>	110.35	
26 52 00 00-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	309.08	20.56
			<i>For Wireguard, Add</i>	110.35	
26 52 00 00-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	437.97	20.56
			<i>For Wireguard, Add</i>	117.53	
26 52 00 00-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	684.54	20.56
			<i>For Wireguard, Add</i>	117.53	
26 52 00 00-0026			Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	68.69	12.34
			<i>For Wireguard, Add</i>	89.05	
26 52 00 00-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	70.88	12.34
			<i>For Wireguard, Add</i>	89.05	
26 52 00 00-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	68.99	12.34
			<i>For Wireguard, Add</i>	89.05	
26 52 00 00-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	69.35	12.34
			<i>For Wireguard, Add</i>	89.05	
26 52 00 00-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	70.88	12.34
			<i>For Wireguard, Add</i>	89.05	
26 52 00 00-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	81.98	12.34
			<i>For Wireguard, Add</i>	89.05	
26 52 00 00-0033			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0034			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		



Electrical	26	
Lighting	26 50	26
Emergency Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	221.71	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	240.30	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	235.21	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	248.20	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	412.75	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	325.89	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	364.10	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	383.46	20.56
			<i>For Wireguard, Add</i>	107.29	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043			Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 00 00-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	60.28	12.34
26 52 00 00-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	64.71	12.34
26 52 00 00-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	60.33	12.34
26 52 00 00-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	63.59	12.34
26 52 00 00-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	55.22	12.34
26 52 00 00-0049			Outdoor Emergency Lights <small>(26 52)</small>		
26 52 00 00-0050			Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 00 00-0049)</small>		
			Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	344.48	20.56
26 52 00 00-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	409.44	20.56
26 52 00 00-0053			Recessed Emergency Lights <small>(26 52)</small>		
26 52 00 00-0054	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	374.09	20.56
			<i>For Wire Guard, Add</i>	60.00	
26 52 00 00-0055	EA		16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	306.50	41.11
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	117.53	
26 52 00 00-0056	EA		50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	432.39	41.11
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	117.53	
26 52 00 00-0057			Square Wraparound Emergency Lights <small>(26 52)</small>		
26 52 00 00-0058	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	175.54	20.56
26 53			Exit Signs <small>(26 50)</small>		
			Note: Excludes pendants.		
26 53 00 00-0001			LED Exit Signs <small>(26 53)</small>		
			Note: Includes red LED lamps.		

26 Electrical**26 50 Lighting****26 53 Exit Signs**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0002 EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	111.35	30.06
For Green LED Lamps, Add	15.00	
26 53 00 00-0003 EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	111.35	30.06
For Green LED Lamps, Add	15.00	
26 53 00 00-0004 EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	167.30	30.06
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	167.30	30.06
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	189.27	30.06
For Green LED Lamps, Add	15.00	
26 53 00 00-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	208.66	30.06
For Green LED Lamps, Add	15.00	
26 53 00 00-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	202.20	30.06
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	221.57	30.06
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM).....	199.41	30.06
Note: Includes two circular side mounted krypton emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED).....	284.95	30.06
Note: Includes two circular side mounted LED emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	243.98	30.06
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	254.51	30.06
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0014 Edge-Lit LED Exit Signs ^(26 53)		
Note: Includes red LED lamps.		
26 53 00 00-0015 EA Single Face, Edge-Lit LED Exit Sign.....	223.05	30.06
For Green LED Lamps, Add	40.00	
26 53 00 00-0016 EA Double Face, Edge-Lit LED Exit Sign.....	238.37	30.06
For Green LED Lamps, Add	40.00	
26 53 00 00-0017 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	270.37	30.06
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0018 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	281.66	30.06
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0019 Self-Luminous Tritium Exit Signs ^(26 53)		
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	298.53	30.06
26 53 00 00-0021 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	536.70	30.06
26 53 00 00-0022 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	352.79	30.06
26 53 00 00-0023 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	580.25	30.06
26 53 00 00-0024 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	325.53	30.06
26 53 00 00-0025 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	580.25	30.06
26 53 00 00-0026 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	396.09	30.06
26 53 00 00-0027 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	716.78	30.06
26 53 00 00-0028 Vandal-Resistant LED Exit Signs ^(26 53)		
Note: Includes red LED lamps.		
26 53 00 00-0029 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	282.48	30.06
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	429.97	30.06
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	520.39	30.06
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture ^(26 53)		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures.....	61.67	
Note: Includes storage and cleaning.		
26 53 00 00-0034 Exit Sign Accessories ^(26 53)		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs.....	67.40	8.23
26 53 00 00-0036 EA Wire Guard For Exit Signs.....	73.06	8.23
26 53 00 00-0037 EA Replacement Battery For Exit Signs.....	68.42	10.29

26 55 Special Purpose Lighting ^(26 50)



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 61 Theatrical Lighting (26 55)

26 55 61 00-0001	Stage Lighting <small>(26 55 61)</small>		
26 55 61 00-0002	EA Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	370.33	99.98
26 55 61 00-0003	EA Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	370.33	99.98
26 55 61 00-0004	EA Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	370.33	99.98
26 55 61 00-0005	EA 14" Scoop Floodlight Altman #SC14.....	364.16	99.98
26 55 61 00-0006	EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	265.47	99.98
26 55 61 00-0007	EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	417.62	99.98
26 55 61 00-0008	EA Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,137.21	99.98
26 55 61 00-0009	EA Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,486.72	99.98
26 55 61 00-0010	EA PAR 64 Can Lighting With 20 Gauge Sheet Steel..... Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	248.04	99.98
26 55 61 00-0011	EA 6' Long Borderlight Sections Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	681.93	99.98

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles And Standards (26 56)

26 56 13 00-0001	Poles And Standards <small>(26 56 13)</small> See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.		
26 56 13 00-0002	Roadway Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0003	Steel Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004	Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005	Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006	Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,817.55 67.64 -70.44 -140.88 -225.39	281.44
26 56 13 00-0008	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,823.11 67.81 -70.58 -141.16 -225.81	281.44
26 56 13 00-0009	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,043.77 68.80 -76.09 -152.19 -247.05	375.26
26 56 13 00-0010	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,110.78 70.81 -77.77 -155.54 -252.07	375.26
26 56 13 00-0011	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,177.78 72.82 -79.44 -158.89 -257.10	375.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0012	EA	30'	High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,285.71	422.16
			<i>For Galvanized Finish, Add</i>	73.24	
			<i>For >10 To 20, Deduct</i>	-82.14	
			<i>For >20 To 40, Deduct</i>	-164.29	
			<i>For >40, Deduct</i>	-267.54	
26 56 13 00-0013	EA	30'	High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,317.48	422.16
			<i>For Galvanized Finish, Add</i>	74.19	
			<i>For >10 To 20, Deduct</i>	-82.94	
			<i>For >20 To 40, Deduct</i>	-165.87	
			<i>For >40, Deduct</i>	-269.92	
26 56 13 00-0014	EA	30'	High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,323.53	422.16
			<i>For Galvanized Finish, Add</i>	74.38	
			<i>For >10 To 20, Deduct</i>	-83.09	
			<i>For >20 To 40, Deduct</i>	-166.18	
			<i>For >40, Deduct</i>	-270.37	
26 56 13 00-0015	EA	35'	High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,483.23	445.62
			<i>For Galvanized Finish, Add</i>	77.76	
			<i>For >10 To 20, Deduct</i>	-87.08	
			<i>For >20 To 40, Deduct</i>	-174.16	
			<i>For >40, Deduct</i>	-283.52	
26 56 13 00-0016	EA	35'	High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,507.23	445.62
			<i>For Galvanized Finish, Add</i>	78.48	
			<i>For >10 To 20, Deduct</i>	-87.68	
			<i>For >20 To 40, Deduct</i>	-175.36	
			<i>For >40, Deduct</i>	-285.32	
26 56 13 00-0017	EA	35'	High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,533.44	445.62
			<i>For Galvanized Finish, Add</i>	79.27	
			<i>For >10 To 20, Deduct</i>	-88.34	
			<i>For >20 To 40, Deduct</i>	-176.67	
			<i>For >40, Deduct</i>	-287.29	
26 56 13 00-0018	EA	40'	High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,049.79	469.07
			<i>For Galvanized Finish, Add</i>	93.35	
			<i>For >10 To 20, Deduct</i>	-101.24	
			<i>For >20 To 40, Deduct</i>	-202.49	
			<i>For >40, Deduct</i>	-327.19	
26 56 13 00-0019	EA	40'	High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,058.33	469.07
			<i>For Galvanized Finish, Add</i>	93.61	
			<i>For >10 To 20, Deduct</i>	-101.46	
			<i>For >20 To 40, Deduct</i>	-202.92	
			<i>For >40, Deduct</i>	-327.83	
26 56 13 00-0020	EA	40'	High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,066.78	469.07
			<i>For Galvanized Finish, Add</i>	93.86	
			<i>For >10 To 20, Deduct</i>	-101.67	
			<i>For >20 To 40, Deduct</i>	-203.34	
			<i>For >40, Deduct</i>	-328.46	
26 56 13 00-0021			Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0022	EA	20'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,519.52	328.35
			<i>For Galvanized Finish, Add</i>	85.88	
			<i>For >10 To 20, Deduct</i>	-87.99	
			<i>For >20 To 40, Deduct</i>	-175.98	
			<i>For >40, Deduct</i>	-280.38	
26 56 13 00-0023	EA	20'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,578.77	340.07
			<i>For Galvanized Finish, Add</i>	86.96	
			<i>For >10 To 20, Deduct</i>	-89.47	
			<i>For >20 To 40, Deduct</i>	-178.94	
			<i>For >40, Deduct</i>	-285.41	
26 56 13 00-0024	EA	20'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,629.20	351.81
			<i>For Galvanized Finish, Add</i>	87.77	
			<i>For >10 To 20, Deduct</i>	-90.73	
			<i>For >20 To 40, Deduct</i>	-181.46	
			<i>For >40, Deduct</i>	-289.78	
26 56 13 00-0025	EA	25'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,475.02	422.16
			<i>For Galvanized Finish, Add</i>	78.92	
			<i>For >10 To 20, Deduct</i>	-86.88	
			<i>For >20 To 40, Deduct</i>	-173.75	
			<i>For >40, Deduct</i>	-281.73	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,512.68	433.89
			<i>For Galvanized Finish, Add</i>	79.35	
			<i>For >10 To 20, Deduct</i>	-87.82	
			<i>For >20 To 40, Deduct</i>	-175.63	
			<i>For >40, Deduct</i>	-285.15	
26 56	13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,541.89	445.62
			<i>For Galvanized Finish, Add</i>	79.52	
			<i>For >10 To 20, Deduct</i>	-88.55	
			<i>For >20 To 40, Deduct</i>	-177.09	
			<i>For >40, Deduct</i>	-287.92	
26 56	13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,744.32	469.07
			<i>For Galvanized Finish, Add</i>	84.19	
			<i>For >10 To 20, Deduct</i>	-93.61	
			<i>For >20 To 40, Deduct</i>	-187.22	
			<i>For >40, Deduct</i>	-304.28	
26 56	13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,776.42	480.80
			<i>For Galvanized Finish, Add</i>	84.44	
			<i>For >10 To 20, Deduct</i>	-94.41	
			<i>For >20 To 40, Deduct</i>	-188.82	
			<i>For >40, Deduct</i>	-307.27	
26 56	13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,805.34	492.52
			<i>For Galvanized Finish, Add</i>	84.61	
			<i>For >10 To 20, Deduct</i>	-95.13	
			<i>For >20 To 40, Deduct</i>	-190.27	
			<i>For >40, Deduct</i>	-310.03	
26 56	13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,975.07	492.52
			<i>For Galvanized Finish, Add</i>	89.70	
			<i>For >10 To 20, Deduct</i>	-99.38	
			<i>For >20 To 40, Deduct</i>	-198.75	
			<i>For >40, Deduct</i>	-322.76	
26 56	13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,035.67	504.25
			<i>For Galvanized Finish, Add</i>	90.82	
			<i>For >10 To 20, Deduct</i>	-100.89	
			<i>For >20 To 40, Deduct</i>	-201.78	
			<i>For >40, Deduct</i>	-327.89	
26 56	13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,094.35	515.97
			<i>For Galvanized Finish, Add</i>	91.87	
			<i>For >10 To 20, Deduct</i>	-102.36	
			<i>For >20 To 40, Deduct</i>	-204.72	
			<i>For >40, Deduct</i>	-332.88	
26 56	13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,508.59	515.97
			<i>For Galvanized Finish, Add</i>	104.30	
			<i>For >10 To 20, Deduct</i>	-112.71	
			<i>For >20 To 40, Deduct</i>	-225.43	
			<i>For >40, Deduct</i>	-363.94	
26 56	13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,537.62	527.70
			<i>For Galvanized Finish, Add</i>	104.47	
			<i>For >10 To 20, Deduct</i>	-113.44	
			<i>For >20 To 40, Deduct</i>	-226.88	
			<i>For >40, Deduct</i>	-366.71	
26 56	13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,566.83	539.43
			<i>For Galvanized Finish, Add</i>	104.64	
			<i>For >10 To 20, Deduct</i>	-114.17	
			<i>For >20 To 40, Deduct</i>	-228.34	
			<i>For >40, Deduct</i>	-369.48	
26 56	13 00-0037		Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56	13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,095.10	469.07
			<i>For Galvanized Finish, Add</i>	94.71	
			<i>For >10 To 20, Deduct</i>	-102.38	
			<i>For >20 To 40, Deduct</i>	-204.76	
			<i>For >40, Deduct</i>	-330.59	
26 56	13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,147.67	492.52
			<i>For Galvanized Finish, Add</i>	94.88	
			<i>For >10 To 20, Deduct</i>	-103.69	
			<i>For >20 To 40, Deduct</i>	-207.38	
			<i>For >40, Deduct</i>	-335.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,208.69	515.97
			<i>For Galvanized Finish, Add</i>	95.30	
			<i>For >10 To 20, Deduct</i>	-105.22	
			<i>For >20 To 40, Deduct</i>	-210.43	
			<i>For >40, Deduct</i>	-341.45	
26 56	13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,330.41	515.97
			<i>For Galvanized Finish, Add</i>	98.95	
			<i>For >10 To 20, Deduct</i>	-108.26	
			<i>For >20 To 40, Deduct</i>	-216.52	
			<i>For >40, Deduct</i>	-350.58	
26 56	13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,385.68	539.43
			<i>For Galvanized Finish, Add</i>	99.20	
			<i>For >10 To 20, Deduct</i>	-109.64	
			<i>For >20 To 40, Deduct</i>	-219.28	
			<i>For >40, Deduct</i>	-355.90	
26 56	13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,438.24	562.89
			<i>For Galvanized Finish, Add</i>	99.37	
			<i>For >10 To 20, Deduct</i>	-110.96	
			<i>For >20 To 40, Deduct</i>	-221.91	
			<i>For >40, Deduct</i>	-361.01	
26 56	13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,609.07	539.43
			<i>For Galvanized Finish, Add</i>	105.91	
			<i>For >10 To 20, Deduct</i>	-115.23	
			<i>For >20 To 40, Deduct</i>	-230.45	
			<i>For >40, Deduct</i>	-372.65	
26 56	13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,661.63	562.89
			<i>For Galvanized Finish, Add</i>	106.08	
			<i>For >10 To 20, Deduct</i>	-116.54	
			<i>For >20 To 40, Deduct</i>	-233.08	
			<i>For >40, Deduct</i>	-377.77	
26 56	13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,714.22	586.34
			<i>For Galvanized Finish, Add</i>	106.25	
			<i>For >10 To 20, Deduct</i>	-117.86	
			<i>For >20 To 40, Deduct</i>	-235.71	
			<i>For >40, Deduct</i>	-382.88	
26 56	13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,967.39	562.89
			<i>For Galvanized Finish, Add</i>	115.25	
			<i>For >10 To 20, Deduct</i>	-124.18	
			<i>For >20 To 40, Deduct</i>	-248.37	
			<i>For >40, Deduct</i>	-400.70	
26 56	13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,019.69	586.34
			<i>For Galvanized Finish, Add</i>	115.41	
			<i>For >10 To 20, Deduct</i>	-125.49	
			<i>For >20 To 40, Deduct</i>	-250.98	
			<i>For >40, Deduct</i>	-405.79	
26 56	13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,077.92	609.79
			<i>For Galvanized Finish, Add</i>	115.75	
			<i>For >10 To 20, Deduct</i>	-126.95	
			<i>For >20 To 40, Deduct</i>	-253.90	
			<i>For >40, Deduct</i>	-411.33	
26 56	13 00-0050		Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56	13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,556.69	515.97
			<i>For Galvanized Finish, Add</i>	105.74	
			<i>For >10 To 20, Deduct</i>	-113.92	
			<i>For >20 To 40, Deduct</i>	-227.83	
			<i>For >40, Deduct</i>	-367.55	
26 56	13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,635.49	551.16
			<i>For Galvanized Finish, Add</i>	106.00	
			<i>For >10 To 20, Deduct</i>	-115.89	
			<i>For >20 To 40, Deduct</i>	-231.77	
			<i>For >40, Deduct</i>	-375.22	
26 56	13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,711.43	586.34
			<i>For Galvanized Finish, Add</i>	106.16	
			<i>For >10 To 20, Deduct</i>	-117.79	
			<i>For >20 To 40, Deduct</i>	-235.57	
			<i>For >40, Deduct</i>	-382.67	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,826.66	562.89
			<i>For Galvanized Finish, Add</i>	111.03	
			<i>For >10 To 20, Deduct</i>	-120.67	
			<i>For >20 To 40, Deduct</i>	-241.33	
			<i>For >40, Deduct</i>	-390.14	
26 56	13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,902.98	598.06
			<i>For Galvanized Finish, Add</i>	111.21	
			<i>For >10 To 20, Deduct</i>	-122.57	
			<i>For >20 To 40, Deduct</i>	-245.15	
			<i>For >40, Deduct</i>	-397.63	
26 56	13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,946.65	633.24
			<i>For Galvanized Finish, Add</i>	110.40	
			<i>For >10 To 20, Deduct</i>	-123.67	
			<i>For >20 To 40, Deduct</i>	-247.33	
			<i>For >40, Deduct</i>	-402.66	
26 56	13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,195.08	586.34
			<i>For Galvanized Finish, Add</i>	120.67	
			<i>For >10 To 20, Deduct</i>	-129.88	
			<i>For >20 To 40, Deduct</i>	-259.75	
			<i>For >40, Deduct</i>	-418.95	
26 56	13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,309.60	621.51
			<i>For Galvanized Finish, Add</i>	122.00	
			<i>For >10 To 20, Deduct</i>	-132.74	
			<i>For >20 To 40, Deduct</i>	-265.48	
			<i>For >40, Deduct</i>	-429.30	
26 56	13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,350.09	656.70
			<i>For Galvanized Finish, Add</i>	121.10	
			<i>For >10 To 20, Deduct</i>	-133.75	
			<i>For >20 To 40, Deduct</i>	-267.50	
			<i>For >40, Deduct</i>	-434.09	
26 56	13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,425.92	609.79
			<i>For Galvanized Finish, Add</i>	126.19	
			<i>For >10 To 20, Deduct</i>	-135.65	
			<i>For >20 To 40, Deduct</i>	-271.30	
			<i>For >40, Deduct</i>	-437.43	
26 56	13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,501.84	644.98
			<i>For Galvanized Finish, Add</i>	126.36	
			<i>For >10 To 20, Deduct</i>	-137.55	
			<i>For >20 To 40, Deduct</i>	-275.09	
			<i>For >40, Deduct</i>	-444.89	
26 56	13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,580.65	680.15
			<i>For Galvanized Finish, Add</i>	126.61	
			<i>For >10 To 20, Deduct</i>	-139.52	
			<i>For >20 To 40, Deduct</i>	-279.03	
			<i>For >40, Deduct</i>	-452.56	
26 56	13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0064)</small>		
26 56	13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56	13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,251.13	375.26
			<i>For Galvanized Finish, Add</i>	75.02	
			<i>For >10 To 20, Deduct</i>	-81.28	
			<i>For >20 To 40, Deduct</i>	-162.56	
			<i>For >40, Deduct</i>	-262.60	
26 56	13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,680.07	422.16
			<i>For Galvanized Finish, Add</i>	85.07	
			<i>For >10 To 20, Deduct</i>	-92.00	
			<i>For >20 To 40, Deduct</i>	-184.00	
			<i>For >40, Deduct</i>	-297.11	
26 56	13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,773.63	445.62
			<i>For Galvanized Finish, Add</i>	86.47	
			<i>For >10 To 20, Deduct</i>	-94.34	
			<i>For >20 To 40, Deduct</i>	-188.68	
			<i>For >40, Deduct</i>	-305.30	
26 56	13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,536.32	469.07
			<i>For Galvanized Finish, Add</i>	107.95	
			<i>For >10 To 20, Deduct</i>	-113.41	
			<i>For >20 To 40, Deduct</i>	-226.82	
			<i>For >40, Deduct</i>	-363.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms ^(26 56 13 00-0004)		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm ^(26 56 13 00-0009)		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,252.12	375.26
			For Galvanized Finish, Add	105.05	
			For >10 To 20, Deduct	-106.30	
			For >20 To 40, Deduct	-212.61	
			For >40, Deduct	-337.67	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,295.03	375.26
			For Galvanized Finish, Add	106.34	
			For >10 To 20, Deduct	-107.38	
			For >20 To 40, Deduct	-214.75	
			For >40, Deduct	-340.89	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,314.62	375.26
			For Galvanized Finish, Add	106.92	
			For >10 To 20, Deduct	-107.87	
			For >20 To 40, Deduct	-215.73	
			For >40, Deduct	-342.36	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,388.84	422.16
			For Galvanized Finish, Add	106.34	
			For >10 To 20, Deduct	-109.72	
			For >20 To 40, Deduct	-219.44	
			For >40, Deduct	-350.27	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,396.33	422.16
			For Galvanized Finish, Add	106.56	
			For >10 To 20, Deduct	-109.91	
			For >20 To 40, Deduct	-219.82	
			For >40, Deduct	-350.83	
26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,473.71	422.16
			For Galvanized Finish, Add	108.88	
			For >10 To 20, Deduct	-111.84	
			For >20 To 40, Deduct	-223.69	
			For >40, Deduct	-356.64	
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,461.18	445.62
			For Galvanized Finish, Add	107.10	
			For >10 To 20, Deduct	-111.53	
			For >20 To 40, Deduct	-223.06	
			For >40, Deduct	-356.87	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,506.49	445.62
			For Galvanized Finish, Add	108.46	
			For >10 To 20, Deduct	-112.66	
			For >20 To 40, Deduct	-225.32	
			For >40, Deduct	-360.27	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,744.09	445.62
			For Galvanized Finish, Add	115.59	
			For >10 To 20, Deduct	-118.60	
			For >20 To 40, Deduct	-237.20	
			For >40, Deduct	-378.09	
26 56 13 00-0080			Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms ^(26 56 13 00-0069)		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,581.37	469.07
			For Galvanized Finish, Add	139.30	
			For >10 To 20, Deduct	-139.53	
			For >20 To 40, Deduct	-279.07	
			For >40, Deduct	-442.06	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,669.37	492.52
			For Galvanized Finish, Add	140.53	
			For >10 To 20, Deduct	-141.73	
			For >20 To 40, Deduct	-283.47	
			For >40, Deduct	-449.83	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,877.55	515.97
			For Galvanized Finish, Add	145.37	
			For >10 To 20, Deduct	-146.94	
			For >20 To 40, Deduct	-293.88	
			For >40, Deduct	-466.62	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,651.37	515.97
			For Galvanized Finish, Add	138.58	
			For >10 To 20, Deduct	-141.28	
			For >20 To 40, Deduct	-282.57	
			For >40, Deduct	-449.65	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,910.54	539.43
			<i>For Galvanized Finish, Add</i>	144.95	
			<i>For >10 To 20, Deduct</i>	-147.76	
			<i>For >20 To 40, Deduct</i>	-295.53	
			<i>For >40, Deduct</i>	-470.26	
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,061.89	562.89
			<i>For Galvanized Finish, Add</i>	148.08	
			<i>For >10 To 20, Deduct</i>	-151.55	
			<i>For >20 To 40, Deduct</i>	-303.09	
			<i>For >40, Deduct</i>	-482.79	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,816.84	539.43
			<i>For Galvanized Finish, Add</i>	142.14	
			<i>For >10 To 20, Deduct</i>	-145.42	
			<i>For >20 To 40, Deduct</i>	-290.84	
			<i>For >40, Deduct</i>	-463.23	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,166.53	562.89
			<i>For Galvanized Finish, Add</i>	151.22	
			<i>For >10 To 20, Deduct</i>	-154.16	
			<i>For >20 To 40, Deduct</i>	-308.33	
			<i>For >40, Deduct</i>	-490.63	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,368.97	586.34
			<i>For Galvanized Finish, Add</i>	155.89	
			<i>For >10 To 20, Deduct</i>	-159.22	
			<i>For >20 To 40, Deduct</i>	-318.45	
			<i>For >40, Deduct</i>	-506.99	
26 56 13 00-0090			Aluminum Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091			Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,497.87	281.44
			<i>For >10 To 20, Deduct</i>	-62.45	
			<i>For >20 To 40, Deduct</i>	-124.89	
			<i>For >40, Deduct</i>	-201.41	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,521.29	281.44
			<i>For >10 To 20, Deduct</i>	-63.03	
			<i>For >20 To 40, Deduct</i>	-126.06	
			<i>For >40, Deduct</i>	-203.17	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,039.06	375.26
			<i>For >10 To 20, Deduct</i>	-75.98	
			<i>For >20 To 40, Deduct</i>	-151.95	
			<i>For >40, Deduct</i>	-246.69	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,083.32	375.26
			<i>For >10 To 20, Deduct</i>	-77.08	
			<i>For >20 To 40, Deduct</i>	-154.17	
			<i>For >40, Deduct</i>	-250.01	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,124.02	375.26
			<i>For >10 To 20, Deduct</i>	-78.10	
			<i>For >20 To 40, Deduct</i>	-156.20	
			<i>For >40, Deduct</i>	-253.06	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,494.99	422.16
			<i>For >10 To 20, Deduct</i>	-87.37	
			<i>For >20 To 40, Deduct</i>	-174.75	
			<i>For >40, Deduct</i>	-283.23	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,532.33	422.16
			<i>For >10 To 20, Deduct</i>	-88.31	
			<i>For >20 To 40, Deduct</i>	-176.62	
			<i>For >40, Deduct</i>	-286.03	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,574.09	422.16
			<i>For >10 To 20, Deduct</i>	-89.35	
			<i>For >20 To 40, Deduct</i>	-178.70	
			<i>For >40, Deduct</i>	-289.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,132.67	445.62
			<i>For >10 To 20, Deduct</i>	-103.32	
			<i>For >20 To 40, Deduct</i>	-206.63	
			<i>For >40, Deduct</i>	-332.23	
26 56	13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,169.92	445.62
			<i>For >10 To 20, Deduct</i>	-104.25	
			<i>For >20 To 40, Deduct</i>	-208.50	
			<i>For >40, Deduct</i>	-335.02	
26 56	13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,201.12	445.62
			<i>For >10 To 20, Deduct</i>	-105.03	
			<i>For >20 To 40, Deduct</i>	-210.06	
			<i>For >40, Deduct</i>	-337.36	
26 56	13 00-0105		Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56	13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,857.60	328.35
			<i>For >10 To 20, Deduct</i>	-71.44	
			<i>For >20 To 40, Deduct</i>	-142.88	
			<i>For >40, Deduct</i>	-230.74	
26 56	13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,087.13	328.35
			<i>For >10 To 20, Deduct</i>	-77.18	
			<i>For >20 To 40, Deduct</i>	-154.36	
			<i>For >40, Deduct</i>	-247.95	
26 56	13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,178.77	351.81
			<i>For >10 To 20, Deduct</i>	-79.47	
			<i>For >20 To 40, Deduct</i>	-158.94	
			<i>For >40, Deduct</i>	-256.00	
26 56	13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,386.22	422.16
			<i>For >10 To 20, Deduct</i>	-84.66	
			<i>For >20 To 40, Deduct</i>	-169.31	
			<i>For >40, Deduct</i>	-275.07	
26 56	13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,555.78	433.89
			<i>For >10 To 20, Deduct</i>	-88.89	
			<i>For >20 To 40, Deduct</i>	-177.79	
			<i>For >40, Deduct</i>	-288.38	
26 56	13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,804.35	445.62
			<i>For >10 To 20, Deduct</i>	-95.11	
			<i>For >20 To 40, Deduct</i>	-190.22	
			<i>For >40, Deduct</i>	-307.61	
26 56	13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,922.59	469.07
			<i>For >10 To 20, Deduct</i>	-98.06	
			<i>For >20 To 40, Deduct</i>	-196.13	
			<i>For >40, Deduct</i>	-317.65	
26 56	13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,081.60	480.80
			<i>For >10 To 20, Deduct</i>	-102.04	
			<i>For >20 To 40, Deduct</i>	-204.08	
			<i>For >40, Deduct</i>	-330.16	
26 56	13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,277.66	492.52
			<i>For >10 To 20, Deduct</i>	-106.94	
			<i>For >20 To 40, Deduct</i>	-213.88	
			<i>For >40, Deduct</i>	-345.45	
26 56	13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,480.70	492.52
			<i>For >10 To 20, Deduct</i>	-112.02	
			<i>For >20 To 40, Deduct</i>	-224.04	
			<i>For >40, Deduct</i>	-360.68	
26 56	13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,926.74	504.25
			<i>For >10 To 20, Deduct</i>	-123.17	
			<i>For >20 To 40, Deduct</i>	-246.34	
			<i>For >40, Deduct</i>	-394.72	
26 56	13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,446.99	515.97
			<i>For >10 To 20, Deduct</i>	-136.17	
			<i>For >20 To 40, Deduct</i>	-272.35	
			<i>For >40, Deduct</i>	-434.32	

26 56 13 00-0118 **Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms** (26 56 13 00-0092)



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,320.92	375.26
			<i>For >10 To 20, Deduct</i>	-83.02	
			<i>For >20 To 40, Deduct</i>	-166.05	
			<i>For >40, Deduct</i>	-267.83	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,553.48	398.71
			<i>For >10 To 20, Deduct</i>	-88.84	
			<i>For >20 To 40, Deduct</i>	-177.67	
			<i>For >40, Deduct</i>	-286.45	
26 56 13 00-0121	EA		20' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,028.28	469.07
			<i>For >10 To 20, Deduct</i>	-100.71	
			<i>For >20 To 40, Deduct</i>	-201.41	
			<i>For >40, Deduct</i>	-325.57	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,197.98	492.52
			<i>For >10 To 20, Deduct</i>	-104.95	
			<i>For >20 To 40, Deduct</i>	-209.90	
			<i>For >40, Deduct</i>	-339.47	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,396.27	515.97
			<i>For >10 To 20, Deduct</i>	-109.91	
			<i>For >20 To 40, Deduct</i>	-219.81	
			<i>For >40, Deduct</i>	-355.52	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,548.88	539.43
			<i>For >10 To 20, Deduct</i>	-113.72	
			<i>For >20 To 40, Deduct</i>	-227.44	
			<i>For >40, Deduct</i>	-368.14	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,768.72	539.43
			<i>For >10 To 20, Deduct</i>	-119.22	
			<i>For >20 To 40, Deduct</i>	-238.44	
			<i>For >40, Deduct</i>	-384.63	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,205.76	562.89
			<i>For >10 To 20, Deduct</i>	-130.14	
			<i>For >20 To 40, Deduct</i>	-260.29	
			<i>For >40, Deduct</i>	-418.58	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,856.33	586.34
			<i>For >10 To 20, Deduct</i>	-146.41	
			<i>For >20 To 40, Deduct</i>	-292.82	
			<i>For >40, Deduct</i>	-468.54	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms					
<small>(26 56 13 00-0092)</small>					
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,414.15	422.16
			<i>For >10 To 20, Deduct</i>	-85.35	
			<i>For >20 To 40, Deduct</i>	-170.71	
			<i>For >40, Deduct</i>	-277.17	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,554.70	422.16
			<i>For >10 To 20, Deduct</i>	-88.87	
			<i>For >20 To 40, Deduct</i>	-177.74	
			<i>For >40, Deduct</i>	-287.71	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,405.01	515.97
			<i>For >10 To 20, Deduct</i>	-110.13	
			<i>For >20 To 40, Deduct</i>	-220.25	
			<i>For >40, Deduct</i>	-356.17	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,774.98	551.16
			<i>For >10 To 20, Deduct</i>	-119.37	
			<i>For >20 To 40, Deduct</i>	-238.75	
			<i>For >40, Deduct</i>	-385.68	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,989.86	562.89
			<i>For >10 To 20, Deduct</i>	-124.75	
			<i>For >20 To 40, Deduct</i>	-249.49	
			<i>For >40, Deduct</i>	-402.38	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,328.74	598.06
			<i>For >10 To 20, Deduct</i>	-133.22	
			<i>For >20 To 40, Deduct</i>	-266.44	
			<i>For >40, Deduct</i>	-429.56	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,259.59	586.34
			<i>For >10 To 20, Deduct</i>	-131.49	
			<i>For >20 To 40, Deduct</i>	-262.98	
			<i>For >40, Deduct</i>	-423.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0136 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,017.98	621.51
For >10 To 20, Deduct	-150.45	
For >20 To 40, Deduct	-300.90	
For >40, Deduct	-482.42	
26 56 13 00-0137 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,685.26	656.70
For >10 To 20, Deduct	-167.13	
For >20 To 40, Deduct	-334.26	
For >40, Deduct	-534.23	
26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms (26 56		
13 00-0091)		
26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style		
Arm (26 56 13 00-0138)		
26 56 13 00-0140 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,689.37	375.26
For >10 To 20, Deduct	-92.23	
For >20 To 40, Deduct	-184.47	
For >40, Deduct	-295.47	
26 56 13 00-0141 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,720.66	375.26
For >10 To 20, Deduct	-93.02	
For >20 To 40, Deduct	-186.03	
For >40, Deduct	-297.81	
26 56 13 00-0142 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,800.63	375.26
For >10 To 20, Deduct	-95.02	
For >20 To 40, Deduct	-190.03	
For >40, Deduct	-303.81	
26 56 13 00-0143 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,920.63	375.26
For >10 To 20, Deduct	-98.02	
For >20 To 40, Deduct	-196.03	
For >40, Deduct	-312.81	
26 56 13 00-0144 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,154.22	422.16
For >10 To 20, Deduct	-103.86	
For >20 To 40, Deduct	-207.71	
For >40, Deduct	-332.67	
26 56 13 00-0145 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,224.78	422.16
For >10 To 20, Deduct	-105.62	
For >20 To 40, Deduct	-211.24	
For >40, Deduct	-337.97	
26 56 13 00-0146 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,300.04	422.16
For >10 To 20, Deduct	-107.50	
For >20 To 40, Deduct	-215.00	
For >40, Deduct	-343.61	
26 56 13 00-0147 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,754.03	422.16
For >10 To 20, Deduct	-118.85	
For >20 To 40, Deduct	-237.70	
For >40, Deduct	-377.66	
26 56 13 00-0148 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,523.97	445.62
For >10 To 20, Deduct	-113.10	
For >20 To 40, Deduct	-226.20	
For >40, Deduct	-361.58	
26 56 13 00-0149 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,106.49	445.62
For >10 To 20, Deduct	-127.66	
For >20 To 40, Deduct	-255.32	
For >40, Deduct	-405.27	
26 56 13 00-0150 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,163.23	445.62
For >10 To 20, Deduct	-129.08	
For >20 To 40, Deduct	-258.16	
For >40, Deduct	-409.52	
26 56 13 00-0151 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,523.42	445.62
For >10 To 20, Deduct	-138.09	
For >20 To 40, Deduct	-276.17	
For >40, Deduct	-436.54	
26 56 13 00-0152 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,851.93	445.62
For >10 To 20, Deduct	-146.30	
For >20 To 40, Deduct	-292.60	
For >40, Deduct	-461.18	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style
Arms (26 56 13 00-0138)



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,802.24	469.07
			<i>For >10 To 20, Deduct</i>	-120.06	
			<i>For >20 To 40, Deduct</i>	-240.11	
			<i>For >40, Deduct</i>	-383.62	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,929.11	492.52
			<i>For >10 To 20, Deduct</i>	-123.23	
			<i>For >20 To 40, Deduct</i>	-246.46	
			<i>For >40, Deduct</i>	-394.31	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,027.47	515.97
			<i>For >10 To 20, Deduct</i>	-125.69	
			<i>For >20 To 40, Deduct</i>	-251.37	
			<i>For >40, Deduct</i>	-402.86	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,164.56	515.97
			<i>For >10 To 20, Deduct</i>	-129.11	
			<i>For >20 To 40, Deduct</i>	-258.23	
			<i>For >40, Deduct</i>	-413.14	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,628.30	539.43
			<i>For >10 To 20, Deduct</i>	-140.71	
			<i>For >20 To 40, Deduct</i>	-281.42	
			<i>For >40, Deduct</i>	-449.09	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,497.63	562.89
			<i>For >10 To 20, Deduct</i>	-162.44	
			<i>For >20 To 40, Deduct</i>	-324.88	
			<i>For >40, Deduct</i>	-515.47	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,287.92	539.43
			<i>For >10 To 20, Deduct</i>	-157.20	
			<i>For >20 To 40, Deduct</i>	-314.40	
			<i>For >40, Deduct</i>	-498.57	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,401.82	562.89
			<i>For >10 To 20, Deduct</i>	-160.05	
			<i>For >20 To 40, Deduct</i>	-320.09	
			<i>For >40, Deduct</i>	-508.28	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,855.14	586.34
			<i>For >10 To 20, Deduct</i>	-196.38	
			<i>For >20 To 40, Deduct</i>	-392.76	
			<i>For >40, Deduct</i>	-618.45	
26 56 13 00-0163			Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>		
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,044.87	281.44
			<i>For >10 To 20, Deduct</i>	-76.12	
			<i>For >20 To 40, Deduct</i>	-152.24	
			<i>For >40, Deduct</i>	-242.44	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,133.29	281.44
			<i>For >10 To 20, Deduct</i>	-78.33	
			<i>For >20 To 40, Deduct</i>	-156.66	
			<i>For >40, Deduct</i>	-249.07	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,221.90	281.44
			<i>For >10 To 20, Deduct</i>	-80.55	
			<i>For >20 To 40, Deduct</i>	-161.10	
			<i>For >40, Deduct</i>	-255.71	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,594.04	375.26
			<i>For >10 To 20, Deduct</i>	-89.85	
			<i>For >20 To 40, Deduct</i>	-179.70	
			<i>For >40, Deduct</i>	-288.32	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,661.43	375.26
			<i>For >10 To 20, Deduct</i>	-91.54	
			<i>For >20 To 40, Deduct</i>	-183.07	
			<i>For >40, Deduct</i>	-293.37	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,735.06	375.26
			<i>For >10 To 20, Deduct</i>	-93.38	
			<i>For >20 To 40, Deduct</i>	-186.75	
			<i>For >40, Deduct</i>	-298.89	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0171	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,057.26	422.16
	For >10 To 20, Deduct	-101.43	
	For >20 To 40, Deduct	-202.86	
	For >40, Deduct	-325.40	
26 56 13 00-0172	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,148.75	422.16
	For >10 To 20, Deduct	-103.72	
	For >20 To 40, Deduct	-207.44	
	For >40, Deduct	-332.26	
26 56 13 00-0173	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,162.47	422.16
	For >10 To 20, Deduct	-104.06	
	For >20 To 40, Deduct	-208.12	
	For >40, Deduct	-333.29	
26 56 13 00-0174	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,429.69	445.62
	For >10 To 20, Deduct	-110.74	
	For >20 To 40, Deduct	-221.48	
	For >40, Deduct	-354.51	
26 56 13 00-0175	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,469.82	445.62
	For >10 To 20, Deduct	-111.75	
	For >20 To 40, Deduct	-223.49	
	For >40, Deduct	-357.52	
26 56 13 00-0176	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,563.90	445.62
	For >10 To 20, Deduct	-114.10	
	For >20 To 40, Deduct	-228.20	
	For >40, Deduct	-364.57	
26 56 13 00-0177	Area Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0178	Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179	Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180	Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	725.45	164.18
	For Galvanized Finish, Add	11.91	
	For >10 To 20, Deduct	-24.09	
	For >20 To 40, Deduct	-44.21	
	For >40, Deduct	-92.40	
26 56 13 00-0182	EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	794.36	187.63
	For Galvanized Finish, Add	12.57	
	For >10 To 20, Deduct	-26.15	
	For >20 To 40, Deduct	-48.10	
	For >40, Deduct	-100.39	
26 56 13 00-0183	EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	888.56	211.08
	For Galvanized Finish, Add	13.99	
	For >10 To 20, Deduct	-29.21	
	For >20 To 40, Deduct	-53.76	
	For >40, Deduct	-112.18	
26 56 13 00-0184	EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	984.97	234.53
	For Galvanized Finish, Add	15.48	
	For >10 To 20, Deduct	-32.36	
	For >20 To 40, Deduct	-59.57	
	For >40, Deduct	-124.29	
26 56 13 00-0185	EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,053.87	257.99
	For Galvanized Finish, Add	16.14	
	For >10 To 20, Deduct	-34.42	
	For >20 To 40, Deduct	-63.45	
	For >40, Deduct	-132.28	
26 56 13 00-0186	EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,117.29	281.44
	For Galvanized Finish, Add	16.63	
	For >10 To 20, Deduct	-36.25	
	For >20 To 40, Deduct	-66.95	
	For >40, Deduct	-139.45	
26 56 13 00-0187	EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	754.05	164.18
	For Galvanized Finish, Add	12.77	
	For >10 To 20, Deduct	-25.24	
	For >20 To 40, Deduct	-46.22	
	For >40, Deduct	-96.69	
26 56 13 00-0188	EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	824.06	187.63
	For Galvanized Finish, Add	13.46	
	For >10 To 20, Deduct	-27.33	
	For >20 To 40, Deduct	-50.18	
	For >40, Deduct	-104.85	
26 56 13 00-0189	EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	947.96	211.08
	For Galvanized Finish, Add	15.77	
	For >10 To 20, Deduct	-31.59	
	For >20 To 40, Deduct	-57.91	
	For >40, Deduct	-121.09	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0190	EA		16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,023.47	234.53
			<i>For Galvanized Finish, Add</i>	16.63	
			<i>For >10 To 20, Deduct</i>	-33.90	
			<i>For >20 To 40, Deduct</i>	-62.26	
			<i>For >40, Deduct</i>	-130.07	
26 56 13 00-0191	EA		18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,095.67	257.99
			<i>For Galvanized Finish, Add</i>	17.39	
			<i>For >10 To 20, Deduct</i>	-36.09	
			<i>For >20 To 40, Deduct</i>	-66.38	
			<i>For >40, Deduct</i>	-138.55	
26 56 13 00-0192	EA		20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,156.89	281.44
			<i>For Galvanized Finish, Add</i>	17.82	
			<i>For >10 To 20, Deduct</i>	-37.83	
			<i>For >20 To 40, Deduct</i>	-69.72	
			<i>For >40, Deduct</i>	-145.39	
26 56 13 00-0193	EA		25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,385.22	375.26
			<i>For Galvanized Finish, Add</i>	19.04	
			<i>For >10 To 20, Deduct</i>	-44.15	
			<i>For >20 To 40, Deduct</i>	-81.96	
			<i>For >40, Deduct</i>	-170.26	
26 56 13 00-0194	EA		10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	754.05	164.18
			<i>For Galvanized Finish, Add</i>	12.77	
			<i>For >10 To 20, Deduct</i>	-25.24	
			<i>For >20 To 40, Deduct</i>	-46.22	
			<i>For >40, Deduct</i>	-96.69	
26 56 13 00-0195	EA		12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	827.36	187.63
			<i>For Galvanized Finish, Add</i>	13.56	
			<i>For >10 To 20, Deduct</i>	-27.47	
			<i>For >20 To 40, Deduct</i>	-50.41	
			<i>For >40, Deduct</i>	-105.34	
26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	965.56	211.08
			<i>For Galvanized Finish, Add</i>	16.30	
			<i>For >10 To 20, Deduct</i>	-32.29	
			<i>For >20 To 40, Deduct</i>	-59.15	
			<i>For >40, Deduct</i>	-123.73	
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,026.77	234.53
			<i>For Galvanized Finish, Add</i>	16.73	
			<i>For >10 To 20, Deduct</i>	-34.03	
			<i>For >20 To 40, Deduct</i>	-62.49	
			<i>For >40, Deduct</i>	-130.56	
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,095.67	257.99
			<i>For Galvanized Finish, Add</i>	17.39	
			<i>For >10 To 20, Deduct</i>	-36.09	
			<i>For >20 To 40, Deduct</i>	-66.38	
			<i>For >40, Deduct</i>	-138.55	
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,156.89	281.44
			<i>For Galvanized Finish, Add</i>	17.82	
			<i>For >10 To 20, Deduct</i>	-37.83	
			<i>For >20 To 40, Deduct</i>	-69.72	
			<i>For >40, Deduct</i>	-145.39	
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,416.02	375.26
			<i>For Galvanized Finish, Add</i>	19.97	
			<i>For >10 To 20, Deduct</i>	-45.38	
			<i>For >20 To 40, Deduct</i>	-84.11	
			<i>For >40, Deduct</i>	-174.88	
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,567.03	422.16
			<i>For Galvanized Finish, Add</i>	21.68	
			<i>For >10 To 20, Deduct</i>	-50.02	
			<i>For >20 To 40, Deduct</i>	-92.81	
			<i>For >40, Deduct</i>	-192.84	
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,227.29	281.44
			<i>For Galvanized Finish, Add</i>	19.93	
			<i>For >10 To 20, Deduct</i>	-40.65	
			<i>For >20 To 40, Deduct</i>	-74.65	
			<i>For >40, Deduct</i>	-155.95	
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,430.32	375.26
			<i>For Galvanized Finish, Add</i>	20.39	
			<i>For >10 To 20, Deduct</i>	-45.96	
			<i>For >20 To 40, Deduct</i>	-85.11	
			<i>For >40, Deduct</i>	-177.02	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,594.53	422.16
			<i>For Galvanized Finish, Add</i>	22.51	
			<i>For >10 To 20, Deduct</i>	-51.12	
			<i>For >20 To 40, Deduct</i>	-94.73	
			<i>For >40, Deduct</i>	-196.96	
26 56 13 00-0205			Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,475.89	281.44
			<i>For Galvanized Finish, Add</i>	27.39	
			<i>For >10 To 20, Deduct</i>	-50.59	
			<i>For >20 To 40, Deduct</i>	-92.05	
			<i>For >40, Deduct</i>	-193.24	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,509.99	281.44
			<i>For Galvanized Finish, Add</i>	28.41	
			<i>For >10 To 20, Deduct</i>	-51.96	
			<i>For >20 To 40, Deduct</i>	-94.44	
			<i>For >40, Deduct</i>	-198.35	
26 56	13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,772.42	375.26
			<i>For Galvanized Finish, Add</i>	30.66	
			<i>For >10 To 20, Deduct</i>	-59.64	
			<i>For >20 To 40, Deduct</i>	-109.06	
			<i>For >40, Deduct</i>	-228.34	
26 56	13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,842.82	375.26
			<i>For Galvanized Finish, Add</i>	32.77	
			<i>For >10 To 20, Deduct</i>	-62.46	
			<i>For >20 To 40, Deduct</i>	-113.99	
			<i>For >40, Deduct</i>	-238.90	
26 56	13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,976.23	422.16
			<i>For Galvanized Finish, Add</i>	33.96	
			<i>For >10 To 20, Deduct</i>	-66.38	
			<i>For >20 To 40, Deduct</i>	-121.45	
			<i>For >40, Deduct</i>	-254.22	
26 56	13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,093.93	422.16
			<i>For Galvanized Finish, Add</i>	37.49	
			<i>For >10 To 20, Deduct</i>	-71.09	
			<i>For >20 To 40, Deduct</i>	-129.69	
			<i>For >40, Deduct</i>	-271.87	
26 56	13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,165.03	445.62
			<i>For Galvanized Finish, Add</i>	38.21	
			<i>For >10 To 20, Deduct</i>	-73.23	
			<i>For >20 To 40, Deduct</i>	-133.73	
			<i>For >40, Deduct</i>	-280.19	
26 56	13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,237.63	445.62
			<i>For Galvanized Finish, Add</i>	40.39	
			<i>For >10 To 20, Deduct</i>	-76.14	
			<i>For >20 To 40, Deduct</i>	-138.81	
			<i>For >40, Deduct</i>	-291.08	
26 56	13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,411.43	445.62
			<i>For Galvanized Finish, Add</i>	45.61	
			<i>For >10 To 20, Deduct</i>	-83.09	
			<i>For >20 To 40, Deduct</i>	-150.98	
			<i>For >40, Deduct</i>	-317.15	
26 56	13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,445.14	469.07
			<i>For Galvanized Finish, Add</i>	45.21	
			<i>For >10 To 20, Deduct</i>	-83.73	
			<i>For >20 To 40, Deduct</i>	-152.40	
			<i>For >40, Deduct</i>	-319.86	
26 56	13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,475.94	469.07
			<i>For Galvanized Finish, Add</i>	46.13	
			<i>For >10 To 20, Deduct</i>	-84.97	
			<i>For >20 To 40, Deduct</i>	-154.55	
			<i>For >40, Deduct</i>	-324.48	
26 56	13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,350.28	609.79
			<i>For Galvanized Finish, Add</i>	63.92	
			<i>For >10 To 20, Deduct</i>	-115.72	
			<i>For >20 To 40, Deduct</i>	-210.13	
			<i>For >40, Deduct</i>	-441.56	
26 56	13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,531.31	703.60
			<i>For Galvanized Finish, Add</i>	63.72	
			<i>For >10 To 20, Deduct</i>	-120.14	
			<i>For >20 To 40, Deduct</i>	-219.05	
			<i>For >40, Deduct</i>	-459.34	
26 56	13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,320.22	375.26
			<i>For Galvanized Finish, Add</i>	47.09	
			<i>For >10 To 20, Deduct</i>	-81.55	
			<i>For >20 To 40, Deduct</i>	-147.41	
			<i>For >40, Deduct</i>	-310.51	
26 56	13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,631.83	422.16
			<i>For Galvanized Finish, Add</i>	53.63	
			<i>For >10 To 20, Deduct</i>	-92.61	
			<i>For >20 To 40, Deduct</i>	-167.34	
			<i>For >40, Deduct</i>	-352.56	
26 56	13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,038.04	469.07
			<i>For Galvanized Finish, Add</i>	63.00	
			<i>For >10 To 20, Deduct</i>	-107.45	
			<i>For >20 To 40, Deduct</i>	-193.90	
			<i>For >40, Deduct</i>	-408.80	
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,693.48	609.79
			<i>For Galvanized Finish, Add</i>	74.22	
			<i>For >10 To 20, Deduct</i>	-129.45	
			<i>For >20 To 40, Deduct</i>	-234.15	
			<i>For >40, Deduct</i>	-493.04	
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,305.71	703.60
			<i>For Galvanized Finish, Add</i>	86.96	
			<i>For >10 To 20, Deduct</i>	-151.12	
			<i>For >20 To 40, Deduct</i>	-273.26	
			<i>For >40, Deduct</i>	-575.50	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,753.41 100.39 -169.03 -304.59 -642.65	703.60
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,249.41 145.27 -228.87 -409.31 -867.05	703.60
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,975.41 167.05 -257.91 -460.13 -975.95	703.60
26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)					
26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)					
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	716.65 11.65 -23.74 -43.60 -91.08	164.18
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	763.56 11.65 -24.91 -45.94 -95.77	187.63
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	829.16 12.21 -26.83 -49.60 -103.27	211.08
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	879.02 13.00 -28.48 -52.62 -109.57	222.81
26 56	13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	902.47 13.00 -29.06 -53.79 -111.92	234.53
26 56	13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	961.47 13.37 -30.72 -56.98 -118.42	257.99
26 56	13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,018.29 13.66 -32.29 -60.02 -124.60	281.44
26 56	13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,271.92 15.64 -39.62 -74.02 -153.26	375.26
26 56	13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,166.79 18.12 -38.23 -70.42 -146.87	281.44
26 56	13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,476.52 21.78 -47.80 -88.35 -183.95	375.26
26 56	13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,690.23 25.38 -54.94 -101.43 -211.32	422.16
26 56	13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,126.09 16.90 -36.60 -67.57 -140.77	281.44
26 56	13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,397.32 19.40 -44.64 -82.80 -172.07	375.26

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,622.03 23.33 -52.22 -96.66 -201.09	422.16
26 56	13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,265.79 21.09 -42.19 -77.35 -161.72	281.44
26 56	13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,575.52 24.75 -51.76 -95.28 -198.80	375.26
26 56	13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,783.73 28.18 -58.68 -107.97 -225.34	422.16
26 56	13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,967.03 32.27 -65.31 -119.87 -250.49	445.62
26 56	13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,000.43 34.68 -67.35 -123.14 -257.85	422.16
26 56	13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,184.83 38.81 -74.02 -135.11 -283.16	445.62
26 56	13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,309.84 41.15 -78.32 -142.93 -299.57	469.07
26 56	13 00-0251		Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56	13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56	13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,386.92 54.72 -87.03 -155.83 -329.89	281.44
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,698.57 58.44 -96.69 -173.89 -367.26	375.26
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,719.02 86.24 -136.10 -243.44 -515.64	422.16
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,431.38 56.05 -88.81 -158.94 -336.56	281.44
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,957.14 66.20 -107.03 -191.99 -406.05	375.26
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,103.95 97.79 -151.49 -270.39 -573.38	422.16
26 56	13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,687.88 113.90 -174.15 -310.33 -658.62	445.62
26 56	13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,480.08 136.26 -205.13 -364.84 -775.11	469.07



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,316.72 52.61 -84.23 -150.91 -319.36	281.44
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,586.25 55.07 -92.19 -166.03 -350.41	375.26
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,521.29 80.31 -128.19 -229.60 -485.98	422.16
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,397.45 55.04 -87.45 -156.56 -331.47	281.44
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,851.84 63.04 -102.82 -184.62 -390.25	375.26
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,957.70 93.40 -145.64 -260.15 -551.44	422.16
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,521.47 58.76 -92.42 -165.25 -350.08	281.44
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,075.31 69.74 -111.75 -200.26 -423.77	375.26
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,220.95 101.30 -156.17 -278.58 -590.93	422.16
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,830.62 118.18 -179.86 -320.32 -680.03	445.62
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,556.13 138.54 -208.17 -370.17 -786.51	469.07
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,846.59 38.51 -65.42 -118.00 -248.84	281.44
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,260.82 45.31 -79.18 -143.25 -301.60	375.26
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,518.53 50.23 -88.08 -159.41 -335.56	422.16
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,782.13 56.73 -97.92 -176.92 -372.76	445.62
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,932.44 59.83 -103.23 -186.51 -392.96	469.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,340.49	281.44
			<i>For Galvanized Finish, Add</i>	53.33	
			<i>For >10 To 20, Deduct</i>	-85.18	
			<i>For >20 To 40, Deduct</i>	-152.58	
			<i>For >40, Deduct</i>	-322.93	
26 56	13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,648.02	375.26
			<i>For Galvanized Finish, Add</i>	56.93	
			<i>For >10 To 20, Deduct</i>	-94.66	
			<i>For >20 To 40, Deduct</i>	-170.35	
			<i>For >40, Deduct</i>	-359.68	
26 56	13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,835.33	422.16
			<i>For Galvanized Finish, Add</i>	59.73	
			<i>For >10 To 20, Deduct</i>	-100.75	
			<i>For >20 To 40, Deduct</i>	-181.59	
			<i>For >40, Deduct</i>	-383.08	
26 56	13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,125.73	422.16
			<i>For Galvanized Finish, Add</i>	68.44	
			<i>For >10 To 20, Deduct</i>	-112.36	
			<i>For >20 To 40, Deduct</i>	-201.91	
			<i>For >40, Deduct</i>	-426.64	
26 56	13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,381.63	445.62
			<i>For Galvanized Finish, Add</i>	74.71	
			<i>For >10 To 20, Deduct</i>	-121.90	
			<i>For >20 To 40, Deduct</i>	-218.89	
			<i>For >40, Deduct</i>	-462.68	
26 56	13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,741.33	445.62
			<i>For Galvanized Finish, Add</i>	85.50	
			<i>For >10 To 20, Deduct</i>	-136.28	
			<i>For >20 To 40, Deduct</i>	-244.07	
			<i>For >40, Deduct</i>	-516.64	
26 56	13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,445.04	469.07
			<i>For Galvanized Finish, Add</i>	75.21	
			<i>For >10 To 20, Deduct</i>	-123.73	
			<i>For >20 To 40, Deduct</i>	-222.39	
			<i>For >40, Deduct</i>	-469.85	
26 56	13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,330.54	469.07
			<i>For Galvanized Finish, Add</i>	101.77	
			<i>For >10 To 20, Deduct</i>	-159.15	
			<i>For >20 To 40, Deduct</i>	-284.38	
			<i>For >40, Deduct</i>	-602.67	
26 56	13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,099.38	609.79
			<i>For Galvanized Finish, Add</i>	86.39	
			<i>For >10 To 20, Deduct</i>	-145.68	
			<i>For >20 To 40, Deduct</i>	-262.57	
			<i>For >40, Deduct</i>	-553.93	
26 56	13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,703.28	609.79
			<i>For Galvanized Finish, Add</i>	104.51	
			<i>For >10 To 20, Deduct</i>	-169.84	
			<i>For >20 To 40, Deduct</i>	-304.84	
			<i>For >40, Deduct</i>	-644.51	
26 56	13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,921.71	703.60
			<i>For Galvanized Finish, Add</i>	105.44	
			<i>For >10 To 20, Deduct</i>	-175.76	
			<i>For >20 To 40, Deduct</i>	-316.38	
			<i>For >40, Deduct</i>	-667.90	
26 56	13 00-0290		Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
	26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	39.00	
	26 56 13 00-0292	EA	Festoon Outlet Provision For Steel Area Light Poles.....	54.00	
			Note: Excludes electrical outlet.		
	26 56 13 00-0293	EA	Extra Handhole For Steel Area Light Poles.....	58.00	
	26 56 13 00-0294	EA	Vibration Dampener For Steel Area Light Poles.....	59.00	
26 56	13 00-0295		Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56	13 00-0296		Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56	13 00-0297		Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0296)</small>		
	26 56 13 00-0298	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	710.44	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.90	
			<i>For Black Anodized Finish, Add</i>	85.80	
			<i>For >10 To 20, Deduct</i>	-24.20	
			<i>For >20 To 40, Deduct</i>	-44.10	
			<i>For >40, Deduct</i>	-92.49	
	26 56 13 00-0299	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	779.35	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.10	
			<i>For Black Anodized Finish, Add</i>	90.20	
			<i>For >10 To 20, Deduct</i>	-26.25	
			<i>For >20 To 40, Deduct</i>	-47.99	
			<i>For >40, Deduct</i>	-100.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0300	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	853.76 47.85 95.70 -28.52 -52.26 -109.30	187.63
26 56	13 00-0301	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	929.26 50.71 101.42 -30.84 -56.61 -118.28	211.08
26 56	13 00-0302	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	971.42 52.58 105.16 -32.17 -59.09 -123.43	222.81
26 56	13 00-0303	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,012.47 54.34 108.68 -33.46 -61.49 -128.42	234.53
26 56	13 00-0304	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,078.47 60.94 121.88 -36.10 -66.11 -138.32	234.53
26 56	13 00-0305	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,167.17 65.12 130.24 -38.95 -71.38 -149.28	257.99
26 56	13 00-0306	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,249.29 68.64 137.28 -41.53 -76.19 -159.25	281.44
26 56	13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,214.52 76.89 153.78 -41.90 -76.10 -159.90	222.81
26 56	13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,492.39 92.95 185.90 -51.25 -93.21 -195.71	281.44
26 56	13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,615.59 105.27 210.54 -56.18 -101.83 -214.19	281.44
26 56	13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,918.72 116.82 233.64 -65.49 -119.30 -250.28	375.26
26 56	13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,231.43 138.71 277.42 -76.59 -139.31 -292.50	422.16
26 56	13 00-0312	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,325.19 76.23 152.46 -44.56 -81.51 -170.63	281.44
26 56	13 00-0313	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,605.69 104.28 208.56 -55.78 -101.14 -212.71	281.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0314	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,901.12	375.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	115.06	
			<i>For Black Anodized Finish, Add</i>	230.12	
			<i>For >10 To 20, Deduct</i>	-64.79	
			<i>For >20 To 40, Deduct</i>	-118.07	
			<i>For >40, Deduct</i>	-247.64	
26 56	13 00-0315	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,060.62	375.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	131.01	
			<i>For Black Anodized Finish, Add</i>	262.02	
			<i>For >10 To 20, Deduct</i>	-71.17	
			<i>For >20 To 40, Deduct</i>	-129.23	
			<i>For >40, Deduct</i>	-271.57	
26 56	13 00-0316	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,411.83	422.16
			<i>For Bronze Or Satin Anodized Finish, Add</i>	156.75	
			<i>For Black Anodized Finish, Add</i>	313.50	
			<i>For >10 To 20, Deduct</i>	-83.81	
			<i>For >20 To 40, Deduct</i>	-151.94	
			<i>For >40, Deduct</i>	-319.56	
26 56	13 00-0317		Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0296)</small>		
26 56	13 00-0318	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	822.64	140.72
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	81.18	
			<i>For >10 To 20, Deduct</i>	-28.68	
			<i>For >20 To 40, Deduct</i>	-51.96	
			<i>For >40, Deduct</i>	-109.32	
26 56	13 00-0319	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	913.55	164.18
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	87.78	
			<i>For >10 To 20, Deduct</i>	-31.62	
			<i>For >20 To 40, Deduct</i>	-57.38	
			<i>For >40, Deduct</i>	-120.62	
26 56	13 00-0320	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,000.06	187.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	93.72	
			<i>For >10 To 20, Deduct</i>	-34.37	
			<i>For >20 To 40, Deduct</i>	-62.50	
			<i>For >40, Deduct</i>	-131.25	
26 56	13 00-0321	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,065.66	211.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.53	
			<i>For >10 To 20, Deduct</i>	-36.29	
			<i>For >20 To 40, Deduct</i>	-66.15	
			<i>For >40, Deduct</i>	-138.74	
26 56	13 00-0322	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,144.47	234.53
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.31	
			<i>For >10 To 20, Deduct</i>	-38.74	
			<i>For >20 To 40, Deduct</i>	-70.73	
			<i>For >40, Deduct</i>	-148.22	
26 56	13 00-0323	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	936.65	164.18
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	91.25	
			<i>For >10 To 20, Deduct</i>	-32.54	
			<i>For >20 To 40, Deduct</i>	-59.00	
			<i>For >40, Deduct</i>	-124.08	
26 56	13 00-0324	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,020.96	187.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.86	
			<i>For >10 To 20, Deduct</i>	-35.21	
			<i>For >20 To 40, Deduct</i>	-63.96	
			<i>For >40, Deduct</i>	-134.38	
26 56	13 00-0325	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,108.56	211.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	102.96	
			<i>For >10 To 20, Deduct</i>	-38.01	
			<i>For >20 To 40, Deduct</i>	-69.16	
			<i>For >40, Deduct</i>	-145.18	
26 56	13 00-0326	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,195.07	234.53
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.90	
			<i>For >10 To 20, Deduct</i>	-40.77	
			<i>For >20 To 40, Deduct</i>	-74.27	
			<i>For >40, Deduct</i>	-155.81	
26 56	13 00-0327	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,287.07	257.99
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	115.67	
			<i>For >10 To 20, Deduct</i>	-43.74	
			<i>For >20 To 40, Deduct</i>	-79.78	
			<i>For >40, Deduct</i>	-167.26	
26 56	13 00-0328	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,372.49	281.44
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	121.44	
			<i>For >10 To 20, Deduct</i>	-46.46	
			<i>For >20 To 40, Deduct</i>	-84.82	
			<i>For >40, Deduct</i>	-177.73	
26 56	13 00-0329	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,063.86	187.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	103.29	
			<i>For >10 To 20, Deduct</i>	-36.93	
			<i>For >20 To 40, Deduct</i>	-66.97	
			<i>For >40, Deduct</i>	-140.82	
26 56	13 00-0330	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,159.16	211.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	110.55	
			<i>For >10 To 20, Deduct</i>	-40.03	
			<i>For >20 To 40, Deduct</i>	-72.70	
			<i>For >40, Deduct</i>	-152.77	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0331	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,253.37 117.65 -43.10 -78.35 -164.55	234.53
26 56 13 00-0332	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,349.77 125.07 -46.25 -84.16 -176.67	257.99
26 56 13 00-0333	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,314.97 126.89 -45.56 -82.67 -173.79	234.53
26 56 13 00-0334	EA		20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,516.59 143.06 -52.22 -94.90 -199.34	281.44
26 56 13 00-0335	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,104.56 109.40 -38.55 -69.81 -146.92	187.63
26 56 13 00-0336	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,211.96 118.47 -42.15 -76.39 -160.69	211.08
26 56 13 00-0337	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,308.37 125.90 -45.30 -82.20 -172.80	234.53
26 56 13 00-0338	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,411.37 134.31 -48.72 -88.48 -185.91	257.99
26 56 13 00-0339	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,511.09 142.23 -52.00 -94.52 -198.52	281.44
26 56 13 00-0340	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,388.67 137.94 -48.51 -87.83 -184.85	234.53
26 56 13 00-0341	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,501.57 147.84 -52.32 -94.79 -199.44	257.99
26 56 13 00-0342	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,545.19 147.35 -53.36 -96.91 -203.63	281.44
26 56 13 00-0343			Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0296)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0344	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	639.33 40.48 80.96 -22.06 -40.06 -84.17	117.27
26 56 13 00-0345	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	683.69 42.57 85.14 -23.48 -42.70 -89.65	128.99
26 56 13 00-0346	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	756.64 47.52 95.04 -26.04 -47.34 -99.42	140.72

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0347	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	781.94	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.05	
			<i>For Black Anodized Finish, Add</i>	100.10	
			<i>For >10 To 20, Deduct</i>	-27.06	
			<i>For >20 To 40, Deduct</i>	-49.11	
			<i>For >40, Deduct</i>	-103.22	
26 56 13 00-0348	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	813.84	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.24	
			<i>For Black Anodized Finish, Add</i>	106.48	
			<i>For >10 To 20, Deduct</i>	-28.33	
			<i>For >20 To 40, Deduct</i>	-51.34	
			<i>For >40, Deduct</i>	-108.00	
26 56 13 00-0349	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	934.09	152.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.92	
			<i>For Black Anodized Finish, Add</i>	125.84	
			<i>For >10 To 20, Deduct</i>	-32.79	
			<i>For >20 To 40, Deduct</i>	-59.29	
			<i>For >40, Deduct</i>	-124.87	
26 56 13 00-0350	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	998.25	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.99	
			<i>For Black Anodized Finish, Add</i>	133.98	
			<i>For >10 To 20, Deduct</i>	-35.00	
			<i>For >20 To 40, Deduct</i>	-63.31	
			<i>For >40, Deduct</i>	-133.32	
26 56 13 00-0351	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,168.75	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	84.04	
			<i>For Black Anodized Finish, Add</i>	168.08	
			<i>For >10 To 20, Deduct</i>	-41.82	
			<i>For >20 To 40, Deduct</i>	-75.25	
			<i>For >40, Deduct</i>	-158.90	
26 56 13 00-0352	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,434.56	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	105.93	
			<i>For Black Anodized Finish, Add</i>	211.86	
			<i>For >10 To 20, Deduct</i>	-51.75	
			<i>For >20 To 40, Deduct</i>	-92.91	
			<i>For >40, Deduct</i>	-196.42	
26 56 13 00-0353	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,628.86	211.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	120.67	
			<i>For Black Anodized Finish, Add</i>	241.34	
			<i>For >10 To 20, Deduct</i>	-58.82	
			<i>For >20 To 40, Deduct</i>	-105.58	
			<i>For >40, Deduct</i>	-223.22	
26 56 13 00-0354	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,830.16	211.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	140.80	
			<i>For Black Anodized Finish, Add</i>	281.60	
			<i>For >10 To 20, Deduct</i>	-66.87	
			<i>For >20 To 40, Deduct</i>	-119.67	
			<i>For >40, Deduct</i>	-253.42	
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0356			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0357	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	592.74	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	31.13	
			<i>For Black Anodized Finish, Add</i>	62.26	
			<i>For >10 To 20, Deduct</i>	-19.49	
			<i>For >20 To 40, Deduct</i>	-35.86	
			<i>For >40, Deduct</i>	-74.84	
26 56 13 00-0358	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	664.95	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.66	
			<i>For Black Anodized Finish, Add</i>	67.32	
			<i>For >10 To 20, Deduct</i>	-21.67	
			<i>For >20 To 40, Deduct</i>	-39.98	
			<i>For >40, Deduct</i>	-83.33	
26 56 13 00-0359	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	737.16	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	36.19	
			<i>For Black Anodized Finish, Add</i>	72.38	
			<i>For >10 To 20, Deduct</i>	-23.86	
			<i>For >20 To 40, Deduct</i>	-44.10	
			<i>For >40, Deduct</i>	-91.81	
26 56 13 00-0360	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	819.26	211.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.71	
			<i>For Black Anodized Finish, Add</i>	79.42	
			<i>For >10 To 20, Deduct</i>	-26.44	
			<i>For >20 To 40, Deduct</i>	-48.91	
			<i>For >40, Deduct</i>	-101.78	
26 56 13 00-0361	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	900.27	234.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.12	
			<i>For Black Anodized Finish, Add</i>	86.24	
			<i>For >10 To 20, Deduct</i>	-28.97	
			<i>For >20 To 40, Deduct</i>	-53.64	
			<i>For >40, Deduct</i>	-111.59	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0362	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	693.55 36.52 73.04 -22.82 -41.98 -87.62	164.18
26 56	13 00-0363	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	782.26 40.70 81.40 -25.66 -47.25 -98.58	187.63
26 56	13 00-0364	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	867.66 44.55 89.10 -28.37 -52.29 -109.04	211.08
26 56	13 00-0365	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,030.77 51.48 102.96 -33.49 -61.83 -128.82	257.99
26 56	13 00-0366	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,105.19 54.23 108.46 -35.76 -66.11 -137.63	281.44
26 56	13 00-0367	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	822.96 44.77 89.54 -27.29 -50.10 -104.68	187.63
26 56	13 00-0368	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	914.96 49.28 98.56 -30.27 -55.60 -116.14	211.08
26 56	13 00-0369	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,014.67 54.56 109.12 -33.55 -61.65 -128.75	234.53
26 56	13 00-0370	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,094.57 57.86 115.72 -36.04 -66.30 -138.39	257.99
26 56	13 00-0371	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,189.89 62.70 125.40 -39.15 -72.03 -150.34	281.44
26 56	13 00-0372	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,122.47 65.34 130.68 -37.86 -69.19 -144.92	234.53
26 56	13 00-0373	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,232.07 71.61 143.22 -41.54 -75.93 -159.01	257.99
26 56	13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,296.59 73.37 146.74 -43.42 -79.50 -166.34	281.44
26 56	13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,488.30 83.16 166.32 -49.68 -91.05 -190.41	328.53

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,686.62	375.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	93.61	
			<i>For Black Anodized Finish, Add</i>	187.22	
			<i>For >10 To 20, Deduct</i>	-56.21	
			<i>For >20 To 40, Deduct</i>	-103.05	
			<i>For >40, Deduct</i>	-215.47	
26 56	13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,339.87	257.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.39	
			<i>For Black Anodized Finish, Add</i>	164.78	
			<i>For >10 To 20, Deduct</i>	-45.86	
			<i>For >20 To 40, Deduct</i>	-83.47	
			<i>For >40, Deduct</i>	-175.18	
26 56	13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,427.49	281.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	86.46	
			<i>For Black Anodized Finish, Add</i>	172.92	
			<i>For >10 To 20, Deduct</i>	-48.66	
			<i>For >20 To 40, Deduct</i>	-88.67	
			<i>For >40, Deduct</i>	-185.98	
26 56	13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,591.70	328.35
			<i>For Bronze Or Satin Anodized Finish, Add</i>	93.50	
			<i>For Black Anodized Finish, Add</i>	187.00	
			<i>For >10 To 20, Deduct</i>	-53.82	
			<i>For >20 To 40, Deduct</i>	-98.29	
			<i>For >40, Deduct</i>	-205.92	
26 56	13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,765.82	375.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	101.53	
			<i>For Black Anodized Finish, Add</i>	203.06	
			<i>For >10 To 20, Deduct</i>	-59.38	
			<i>For >20 To 40, Deduct</i>	-108.60	
			<i>For >40, Deduct</i>	-227.35	
26 56	13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,901.82	398.71
			<i>For Bronze Or Satin Anodized Finish, Add</i>	110.44	
			<i>For Black Anodized Finish, Add</i>	220.88	
			<i>For >10 To 20, Deduct</i>	-64.11	
			<i>For >20 To 40, Deduct</i>	-117.18	
			<i>For >40, Deduct</i>	-245.40	
26 56	13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,040.03	422.16
			<i>For Bronze Or Satin Anodized Finish, Add</i>	119.57	
			<i>For Black Anodized Finish, Add</i>	239.14	
			<i>For >10 To 20, Deduct</i>	-68.94	
			<i>For >20 To 40, Deduct</i>	-125.92	
			<i>For >40, Deduct</i>	-263.79	
26 56	13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,694.00	328.35
			<i>For Bronze Or Satin Anodized Finish, Add</i>	103.73	
			<i>For Black Anodized Finish, Add</i>	207.46	
			<i>For >10 To 20, Deduct</i>	-57.91	
			<i>For >20 To 40, Deduct</i>	-105.45	
			<i>For >40, Deduct</i>	-221.27	
26 56	13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,834.02	375.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	108.35	
			<i>For Black Anodized Finish, Add</i>	216.70	
			<i>For >10 To 20, Deduct</i>	-62.10	
			<i>For >20 To 40, Deduct</i>	-113.37	
			<i>For >40, Deduct</i>	-237.58	
26 56	13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,975.52	398.71
			<i>For Bronze Or Satin Anodized Finish, Add</i>	117.81	
			<i>For Black Anodized Finish, Add</i>	235.62	
			<i>For >10 To 20, Deduct</i>	-67.06	
			<i>For >20 To 40, Deduct</i>	-122.34	
			<i>For >40, Deduct</i>	-256.46	
26 56	13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,154.43	422.16
			<i>For Bronze Or Satin Anodized Finish, Add</i>	131.01	
			<i>For Black Anodized Finish, Add</i>	262.02	
			<i>For >10 To 20, Deduct</i>	-73.51	
			<i>For >20 To 40, Deduct</i>	-133.92	
			<i>For >40, Deduct</i>	-280.95	
26 56	13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,227.38	433.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	135.96	
			<i>For Black Anodized Finish, Add</i>	271.92	
			<i>For >10 To 20, Deduct</i>	-76.08	
			<i>For >20 To 40, Deduct</i>	-138.56	
			<i>For >40, Deduct</i>	-290.72	
26 56	13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,383.93	445.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	149.27	
			<i>For Black Anodized Finish, Add</i>	298.54	
			<i>For >10 To 20, Deduct</i>	-81.99	
			<i>For >20 To 40, Deduct</i>	-149.05	
			<i>For >40, Deduct</i>	-313.03	
26 56	13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	868.06	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.28	
			<i>For Black Anodized Finish, Add</i>	98.56	
			<i>For >10 To 20, Deduct</i>	-29.09	
			<i>For >20 To 40, Deduct</i>	-53.26	
			<i>For >40, Deduct</i>	-111.45	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	967.76 54.56 109.12 -32.38 -59.30 -124.06	211.08
26 56	13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,071.87 60.28 120.56 -35.84 -65.65 -137.33	234.53
26 56	13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,163.87 64.79 129.58 -38.82 -71.15 -148.78	257.99
26 56	13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,254.79 69.19 138.38 -41.75 -76.58 -160.07	281.44
26 56	13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,191.77 72.27 144.54 -40.63 -74.04 -155.31	234.53
26 56	13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,304.67 78.87 157.74 -44.45 -81.01 -169.90	257.99
26 56	13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,383.49 82.06 164.12 -46.90 -85.59 -179.38	281.44
26 56	13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,569.70 91.30 182.60 -52.94 -96.75 -202.62	328.35
26 56	13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,762.52 101.20 202.40 -59.24 -108.37 -226.85	375.26
26 56	13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,818.30 116.16 232.32 -62.88 -114.15 -239.91	328.35
26 56	13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,999.02 124.85 249.70 -68.70 -124.92 -262.33	375.26
26 56	13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,153.72 135.63 271.26 -74.19 -134.81 -283.19	398.71
26 56	13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,289.73 144.54 289.08 -78.92 -143.39 -301.24	422.16
26 56	13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,419.88 155.21 310.42 -83.78 -152.04 -319.59	433.89

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,532.43 164.12 328.24 -87.93 -159.45 -335.30	445.62
26 56	13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,627.38 171.27 342.54 -91.38 -165.62 -348.37	457.35
26 56	13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,804.84 186.67 373.34 -98.12 -177.58 -373.82	469.07
26 56	13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,628.92 183.15 366.30 -93.20 -168.08 -354.47	398.71
26 56	13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,839.73 199.54 399.08 -100.92 -181.89 -383.74	422.16
26 56	13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,991.88 212.41 424.82 -106.66 -192.08 -405.39	433.89
26 56	13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,105.53 221.43 442.86 -110.85 -199.56 -421.27	445.62
26 56	13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,165.28 225.06 450.12 -112.89 -203.28 -429.06	457.35
26 56	13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,361.44 242.33 484.66 -120.39 -216.54 -457.31	469.07
26 56	13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,478.22 168.08 336.16 -87.17 -157.53 -331.86	398.71
26 56	13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,669.23 182.49 364.98 -94.10 -169.96 -358.17	422.16
26 56	13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,742.18 187.44 374.88 -96.67 -174.60 -367.94	433.89
26 56	13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,941.63 205.04 410.08 -104.30 -188.09 -396.68	445.62
26 56	13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,035.48 212.08 424.16 -107.70 -194.19 -409.59	457.35



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0418	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,232.74 229.46 458.92 -115.24 -207.53 -438.00	469.07
26 56 13 00-0419	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,166.82 236.94 473.88 -114.71 -205.73 -435.15	398.71
26 56 13 00-0420	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,347.93 250.36 500.72 -121.25 -217.47 -459.97	422.16
26 56 13 00-0421	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,502.28 263.45 526.90 -127.07 -227.80 -481.95	433.89
26 56 13 00-0422	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,745.73 285.45 570.90 -136.46 -244.38 -517.30	445.62
26 56 13 00-0423	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,793.38 287.87 575.74 -138.02 -247.24 -523.27	457.35
26 56 13 00-0424	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,035.74 309.76 619.52 -147.36 -263.74 -558.45	469.07
26 56 13 00-0425	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,014.11 360.69 721.38 -179.46 -322.84 -681.76	703.60
26 56 13 00-0426	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,150.51 374.33 748.66 -184.91 -332.39 -702.22	703.60
26 56 13 00-0427			Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0428	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	829.24 82.17 -28.95 -52.42 -110.31	140.72
26 56 13 00-0429	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	899.25 85.64 -31.04 -56.38 -118.47	164.18
26 56 13 00-0430	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	970.36 89.27 -33.19 -60.42 -126.79	187.63
26 56 13 00-0431	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,043.66 93.23 -35.41 -64.61 -135.44	211.08
26 56 13 00-0432	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,115.87 97.02 -37.60 -68.73 -143.93	234.53

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0433	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	912.45 87.62 -31.57 -57.30 -120.45	164.18
26 56	13 00-0434	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	985.76 91.58 -33.80 -61.50 -129.10	187.63
26 56	13 00-0435	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,061.26 95.87 -36.12 -65.85 -138.08	211.08
26 56	13 00-0436	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,135.67 99.99 -38.39 -70.12 -146.90	234.53
26 56	13 00-0437	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,224.37 106.26 -41.24 -75.39 -157.86	257.99
26 56	13 00-0438	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,303.19 111.05 -43.68 -79.97 -167.33	281.44
26 56	13 00-0439	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,028.66 98.01 -35.52 -64.50 -135.54	187.63
26 56	13 00-0440	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,109.66 103.13 -38.05 -69.23 -145.34	211.08
26 56	13 00-0441	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,203.87 110.22 -41.12 -74.89 -157.13	234.53
26 56	13 00-0442	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,287.07 115.67 -43.74 -79.78 -167.26	257.99
26 56	13 00-0443	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,384.59 123.26 -46.94 -85.66 -179.54	281.44
26 56	13 00-0444	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,266.57 119.63 -43.63 -79.28 -166.53	234.53
26 56	13 00-0445	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,371.77 128.37 -47.13 -85.70 -179.97	257.99
26 56	13 00-0446	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,452.79 133.49 -49.67 -90.44 -189.77	281.44
26 56	13 00-0447	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,062.76 103.13 -36.88 -66.89 -140.65	187.63
26 56	13 00-0448	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,161.36 110.88 -40.12 -72.85 -153.10	211.08
26 56	13 00-0449	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,266.57 119.63 -43.63 -79.28 -166.53	234.53



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0450	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,358.57 126.39 -46.60 -84.78 -177.99	257.99
26 56 13 00-0451	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,458.29 134.31 -49.89 -90.82 -190.60	281.44
26 56 13 00-0452	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,338.07 130.35 -46.49 -84.28 -177.26	234.53
26 56 13 00-0453	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,452.07 140.42 -50.34 -91.33 -192.01	257.99
26 56 13 00-0454	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,538.59 146.36 -53.10 -96.44 -202.64	281.44
26 56 13 00-0455 Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0355)</small>					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0456	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	560.13 32.56 65.12 -18.89 -34.52 -72.29	117.27
26 56 13 00-0457	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	590.93 35.64 71.28 -20.12 -36.67 -76.91	117.27
26 56 13 00-0458	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	639.69 38.17 76.34 -21.72 -39.62 -83.05	128.99
26 56 13 00-0459	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	680.74 39.93 79.86 -23.01 -42.02 -88.04	140.72
26 56 13 00-0460	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	720.34 43.89 87.78 -24.59 -44.80 -93.98	140.72
26 56 13 00-0461	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	669.39 41.14 82.28 -22.91 -41.70 -87.51	128.99
26 56 13 00-0462	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	723.64 44.22 88.44 -24.72 -45.03 -94.47	140.72
26 56 13 00-0463	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	745.64 46.42 92.84 -25.60 -46.57 -97.77	140.72
26 56 13 00-0464	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	804.29 49.94 99.88 -27.60 -50.20 -105.40	152.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0465	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	858.55	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.02	
			<i>For Black Anodized Finish, Add</i>	106.04	
			<i>For >10 To 20, Deduct</i>	-29.42	
			<i>For >20 To 40, Deduct</i>	-53.53	
			<i>For >40, Deduct</i>	-112.37	
26 56	13 00-0466	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	809.44	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.80	
			<i>For Black Anodized Finish, Add</i>	105.60	
			<i>For >10 To 20, Deduct</i>	-28.16	
			<i>For >20 To 40, Deduct</i>	-51.03	
			<i>For >40, Deduct</i>	-107.34	
26 56	13 00-0467	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	874.69	152.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.98	
			<i>For Black Anodized Finish, Add</i>	113.96	
			<i>For >10 To 20, Deduct</i>	-30.41	
			<i>For >20 To 40, Deduct</i>	-55.13	
			<i>For >40, Deduct</i>	-115.96	
26 56	13 00-0468	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	934.45	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.61	
			<i>For Black Anodized Finish, Add</i>	121.22	
			<i>For >10 To 20, Deduct</i>	-32.45	
			<i>For >20 To 40, Deduct</i>	-58.84	
			<i>For >40, Deduct</i>	-123.75	
26 56	13 00-0469	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	964.89	152.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.00	
			<i>For Black Anodized Finish, Add</i>	132.00	
			<i>For >10 To 20, Deduct</i>	-34.02	
			<i>For >20 To 40, Deduct</i>	-61.44	
			<i>For >40, Deduct</i>	-129.49	
26 56	13 00-0470	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,240.96	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	86.57	
			<i>For Black Anodized Finish, Add</i>	173.14	
			<i>For >10 To 20, Deduct</i>	-44.01	
			<i>For >20 To 40, Deduct</i>	-79.36	
			<i>For >40, Deduct</i>	-167.38	
26 56	13 00-0471	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,365.26	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	99.00	
			<i>For Black Anodized Finish, Add</i>	198.00	
			<i>For >10 To 20, Deduct</i>	-48.98	
			<i>For >20 To 40, Deduct</i>	-88.06	
			<i>For >40, Deduct</i>	-186.03	
26 56	13 00-0472	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,518.86	211.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	109.67	
			<i>For Black Anodized Finish, Add</i>	219.34	
			<i>For >10 To 20, Deduct</i>	-54.42	
			<i>For >20 To 40, Deduct</i>	-97.88	
			<i>For >40, Deduct</i>	-206.72	
26 56	13 00-0473	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,654.16	211.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	123.20	
			<i>For Black Anodized Finish, Add</i>	246.40	
			<i>For >10 To 20, Deduct</i>	-59.83	
			<i>For >20 To 40, Deduct</i>	-107.35	
			<i>For >40, Deduct</i>	-227.02	
26 56	13 00-0474		Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56	13 00-0475		Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0474)</small>		
26 56	13 00-0476	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	735.74	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.43	
			<i>For Black Anodized Finish, Add</i>	90.86	
			<i>For >10 To 20, Deduct</i>	-25.21	
			<i>For >20 To 40, Deduct</i>	-45.87	
			<i>For >40, Deduct</i>	-96.29	
26 56	13 00-0477	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	805.75	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.74	
			<i>For Black Anodized Finish, Add</i>	95.48	
			<i>For >10 To 20, Deduct</i>	-27.30	
			<i>For >20 To 40, Deduct</i>	-49.84	
			<i>For >40, Deduct</i>	-104.45	
26 56	13 00-0478	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	884.56	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.93	
			<i>For Black Anodized Finish, Add</i>	101.86	
			<i>For >10 To 20, Deduct</i>	-29.75	
			<i>For >20 To 40, Deduct</i>	-54.41	
			<i>For >40, Deduct</i>	-113.92	
26 56	13 00-0479	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	962.26	211.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.01	
			<i>For Black Anodized Finish, Add</i>	108.02	
			<i>For >10 To 20, Deduct</i>	-32.16	
			<i>For >20 To 40, Deduct</i>	-58.92	
			<i>For >40, Deduct</i>	-123.23	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0480	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,005.52 55.99 111.98 -33.54 -61.47 -128.55	222.81
26 56	13 00-0481	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,048.77 57.97 115.94 -34.91 -64.03 -133.86	234.53
26 56	13 00-0482	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,133.07 61.71 123.42 -37.58 -69.00 -144.16	257.99
26 56	13 00-0483	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,227.29 66.44 132.88 -40.65 -74.65 -155.95	281.44
26 56	13 00-0484	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,124.67 65.56 131.12 -37.95 -69.35 -145.25	234.53
26 56	13 00-0485	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,211.17 69.52 139.04 -40.71 -74.46 -155.88	257.99
26 56	13 00-0486	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,311.99 74.91 149.82 -44.04 -80.58 -168.65	281.44
26 56	13 00-0487	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,335.52 88.99 177.98 -46.74 -84.57 -178.05	222.81
26 56	13 00-0488	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,627.69 106.48 212.96 -56.66 -102.68 -216.01	281.44
26 56	13 00-0489	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,952.82 120.23 240.46 -66.86 -121.69 -255.40	375.26
26 56	13 00-0490	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,380.19 81.73 163.46 -46.76 -85.36 -178.88	281.44
26 56	13 00-0491	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,760.79 119.79 239.58 -61.99 -112.00 -235.97	281.44
26 56	13 00-0492	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,073.82 132.33 264.66 -71.70 -130.16 -273.55	375.26
26 56	13 00-0493	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,969.79 140.69 281.38 -70.35 -126.63 -267.32	281.44

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0494	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,346.62	375.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	159.61	
			<i>For Black Anodized Finish, Add</i>	319.22	
			<i>For >10 To 20, Deduct</i>	-82.61	
			<i>For >20 To 40, Deduct</i>	-149.25	
			<i>For >40, Deduct</i>	-314.47	
26 56 13 00-0495	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,724.23	422.16
			<i>For Bronze Or Satin Anodized Finish, Add</i>	187.99	
			<i>For Black Anodized Finish, Add</i>	375.98	
			<i>For >10 To 20, Deduct</i>	-96.30	
			<i>For >20 To 40, Deduct</i>	-173.81	
			<i>For >40, Deduct</i>	-366.42	
26 56 13 00-0496			Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0497	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	667.93	117.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.34	
			<i>For Black Anodized Finish, Add</i>	86.68	
			<i>For >10 To 20, Deduct</i>	-23.20	
			<i>For >20 To 40, Deduct</i>	-42.06	
			<i>For >40, Deduct</i>	-88.46	
26 56 13 00-0498	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	747.49	128.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.95	
			<i>For Black Anodized Finish, Add</i>	97.90	
			<i>For >10 To 20, Deduct</i>	-26.03	
			<i>For >20 To 40, Deduct</i>	-47.16	
			<i>For >40, Deduct</i>	-99.22	
26 56 13 00-0499	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	794.04	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.26	
			<i>For Black Anodized Finish, Add</i>	102.52	
			<i>For >10 To 20, Deduct</i>	-27.54	
			<i>For >20 To 40, Deduct</i>	-49.95	
			<i>For >40, Deduct</i>	-105.03	
26 56 13 00-0500	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	821.54	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.01	
			<i>For Black Anodized Finish, Add</i>	108.02	
			<i>For >10 To 20, Deduct</i>	-28.64	
			<i>For >20 To 40, Deduct</i>	-51.88	
			<i>For >40, Deduct</i>	-109.16	
26 56 13 00-0501	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	855.64	140.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.42	
			<i>For Black Anodized Finish, Add</i>	114.84	
			<i>For >10 To 20, Deduct</i>	-30.00	
			<i>For >20 To 40, Deduct</i>	-54.27	
			<i>For >40, Deduct</i>	-114.27	
26 56 13 00-0502	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	995.69	152.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.08	
			<i>For Black Anodized Finish, Add</i>	138.16	
			<i>For >10 To 20, Deduct</i>	-35.25	
			<i>For >20 To 40, Deduct</i>	-63.60	
			<i>For >40, Deduct</i>	-134.11	
26 56 13 00-0503	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,066.45	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.81	
			<i>For Black Anodized Finish, Add</i>	147.62	
			<i>For >10 To 20, Deduct</i>	-37.73	
			<i>For >20 To 40, Deduct</i>	-68.08	
			<i>For >40, Deduct</i>	-143.55	
26 56 13 00-0504	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,239.15	164.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.08	
			<i>For Black Anodized Finish, Add</i>	182.16	
			<i>For >10 To 20, Deduct</i>	-44.64	
			<i>For >20 To 40, Deduct</i>	-80.17	
			<i>For >40, Deduct</i>	-169.46	
26 56 13 00-0505	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,424.66	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	104.94	
			<i>For Black Anodized Finish, Add</i>	209.88	
			<i>For >10 To 20, Deduct</i>	-51.36	
			<i>For >20 To 40, Deduct</i>	-92.22	
			<i>For >40, Deduct</i>	-194.94	
26 56 13 00-0506	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,810.76	187.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	143.55	
			<i>For Black Anodized Finish, Add</i>	287.10	
			<i>For >10 To 20, Deduct</i>	-66.80	
			<i>For >20 To 40, Deduct</i>	-119.25	
			<i>For >40, Deduct</i>	-252.85	
26 56 13 00-0507			Factory Accessories For Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0508	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	39.00	
26 56 13 00-0509	EA		Extra Handhole For Aluminum Area Light Poles.....	41.00	
26 56 13 00-0510	EA		Festoon Outlet Provision For Aluminum Area Light Poles	42.00	
			Note: Excludes electrical outlet.		
26 56 13 00-0511	EA		Vibration Dampener For Aluminum Area Light Poles.....	59.00	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0512 Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0513 Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0512)</small>		
26 56 13 00-0514 Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0513)</small>		
26 56 13 00-0515 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	975.15	164.18
For >10 To 20, Deduct	-34.08	
For >20 To 40, Deduct	-61.69	
For >40, Deduct	-129.86	
26 56 13 00-0516 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,060.56	187.63
For >10 To 20, Deduct	-36.79	
For >20 To 40, Deduct	-66.73	
For >40, Deduct	-140.32	
26 56 13 00-0517 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,147.06	211.08
For >10 To 20, Deduct	-39.55	
For >20 To 40, Deduct	-71.85	
For >40, Deduct	-150.95	
26 56 13 00-0518 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,232.47	234.53
For >10 To 20, Deduct	-42.26	
For >20 To 40, Deduct	-76.89	
For >40, Deduct	-161.42	
26 56 13 00-0519 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,337.67	257.99
For >10 To 20, Deduct	-45.77	
For >20 To 40, Deduct	-83.32	
For >40, Deduct	-174.85	
26 56 13 00-0520 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,425.29	281.44
For >10 To 20, Deduct	-48.57	
For >20 To 40, Deduct	-88.51	
For >40, Deduct	-185.65	
26 56 13 00-0521 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,558.70	328.35
For >10 To 20, Deduct	-52.50	
For >20 To 40, Deduct	-95.98	
For >40, Deduct	-200.97	
26 56 13 00-0522 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,691.02	375.26
For >10 To 20, Deduct	-56.38	
For >20 To 40, Deduct	-103.36	
For >40, Deduct	-216.13	
26 56 13 00-0523 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,780.12	375.26
For >10 To 20, Deduct	-59.95	
For >20 To 40, Deduct	-109.60	
For >40, Deduct	-229.49	
26 56 13 00-0524 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,905.12	398.71
For >10 To 20, Deduct	-64.24	
For >20 To 40, Deduct	-117.41	
For >40, Deduct	-245.90	
26 56 13 00-0525 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,030.13	422.16
For >10 To 20, Deduct	-68.54	
For >20 To 40, Deduct	-125.22	
For >40, Deduct	-262.30	
26 56 13 00-0526 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,076.35	164.18
For >10 To 20, Deduct	-38.13	
For >20 To 40, Deduct	-68.78	
For >40, Deduct	-145.04	
26 56 13 00-0527 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,141.96	187.63
For >10 To 20, Deduct	-40.05	
For >20 To 40, Deduct	-72.43	
For >40, Deduct	-152.53	
26 56 13 00-0528 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,208.66	211.08
For >10 To 20, Deduct	-42.01	
For >20 To 40, Deduct	-76.16	
For >40, Deduct	-160.19	
26 56 13 00-0529 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,277.57	234.53
For >10 To 20, Deduct	-44.07	
For >20 To 40, Deduct	-80.05	
For >40, Deduct	-168.18	
26 56 13 00-0530 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,351.97	257.99
For >10 To 20, Deduct	-46.34	
For >20 To 40, Deduct	-84.32	
For >40, Deduct	-177.00	
26 56 13 00-0531 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,425.29	281.44
For >10 To 20, Deduct	-48.57	
For >20 To 40, Deduct	-88.51	
For >40, Deduct	-185.65	
26 56 13 00-0532 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,545.50	328.35
For >10 To 20, Deduct	-51.97	
For >20 To 40, Deduct	-95.05	
For >40, Deduct	-198.99	
26 56 13 00-0533 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,691.02	375.26
For >10 To 20, Deduct	-56.38	
For >20 To 40, Deduct	-103.36	
For >40, Deduct	-216.13	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0534	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,728.42	375.26
			<i>For >10 To 20, Deduct</i>	-57.88	
			<i>For >20 To 40, Deduct</i>	-105.98	
			<i>For >40, Deduct</i>	-221.74	
26 56	13 00-0535	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,813.82	398.71
			<i>For >10 To 20, Deduct</i>	-60.59	
			<i>For >20 To 40, Deduct</i>	-111.02	
			<i>For >40, Deduct</i>	-232.20	
26 56	13 00-0536	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,899.23	422.16
			<i>For >10 To 20, Deduct</i>	-63.30	
			<i>For >20 To 40, Deduct</i>	-116.06	
			<i>For >40, Deduct</i>	-242.67	
26 56	13 00-0537	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,224.85	164.18
			<i>For >10 To 20, Deduct</i>	-44.07	
			<i>For >20 To 40, Deduct</i>	-79.17	
			<i>For >40, Deduct</i>	-167.31	
26 56	13 00-0538	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,305.86	187.63
			<i>For >10 To 20, Deduct</i>	-46.61	
			<i>For >20 To 40, Deduct</i>	-83.91	
			<i>For >40, Deduct</i>	-177.12	
26 56	13 00-0539	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,386.86	211.08
			<i>For >10 To 20, Deduct</i>	-49.14	
			<i>For >20 To 40, Deduct</i>	-88.64	
			<i>For >40, Deduct</i>	-186.92	
26 56	13 00-0540	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,468.97	234.53
			<i>For >10 To 20, Deduct</i>	-51.72	
			<i>For >20 To 40, Deduct</i>	-93.45	
			<i>For >40, Deduct</i>	-196.89	
26 56	13 00-0541	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,555.47	257.99
			<i>For >10 To 20, Deduct</i>	-54.48	
			<i>For >20 To 40, Deduct</i>	-98.56	
			<i>For >40, Deduct</i>	-207.52	
26 56	13 00-0542	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,648.59	281.44
			<i>For >10 To 20, Deduct</i>	-57.50	
			<i>For >20 To 40, Deduct</i>	-104.14	
			<i>For >40, Deduct</i>	-219.14	
26 56	13 00-0543	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,798.50	328.35
			<i>For >10 To 20, Deduct</i>	-62.09	
			<i>For >20 To 40, Deduct</i>	-112.76	
			<i>For >40, Deduct</i>	-236.94	
26 56	13 00-0544	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,949.52	375.26
			<i>For >10 To 20, Deduct</i>	-66.72	
			<i>For >20 To 40, Deduct</i>	-121.46	
			<i>For >40, Deduct</i>	-254.90	
26 56	13 00-0545	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,006.72	375.26
			<i>For >10 To 20, Deduct</i>	-69.01	
			<i>For >20 To 40, Deduct</i>	-125.46	
			<i>For >40, Deduct</i>	-263.48	
26 56	13 00-0546	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,143.82	398.71
			<i>For >10 To 20, Deduct</i>	-73.79	
			<i>For >20 To 40, Deduct</i>	-134.12	
			<i>For >40, Deduct</i>	-281.70	
26 56	13 00-0547	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,255.63	422.16
			<i>For >10 To 20, Deduct</i>	-77.56	
			<i>For >20 To 40, Deduct</i>	-141.01	
			<i>For >40, Deduct</i>	-296.13	
26 56	13 00-0548	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,343.98	433.89
			<i>For >10 To 20, Deduct</i>	-80.74	
			<i>For >20 To 40, Deduct</i>	-146.72	
			<i>For >40, Deduct</i>	-308.21	
26 56	13 00-0549	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,432.33	445.62
			<i>For >10 To 20, Deduct</i>	-83.92	
			<i>For >20 To 40, Deduct</i>	-152.44	
			<i>For >40, Deduct</i>	-320.29	
26 56	13 00-0550		Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0513)</small>		
26 56	13 00-0551	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	604.13	117.27
			<i>For >10 To 20, Deduct</i>	-20.65	
			<i>For >20 To 40, Deduct</i>	-37.60	
			<i>For >40, Deduct</i>	-78.89	
26 56	13 00-0552	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	648.49	128.99
			<i>For >10 To 20, Deduct</i>	-22.07	
			<i>For >20 To 40, Deduct</i>	-40.23	
			<i>For >40, Deduct</i>	-84.37	
26 56	13 00-0553	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	691.74	140.72
			<i>For >10 To 20, Deduct</i>	-23.45	
			<i>For >20 To 40, Deduct</i>	-42.79	
			<i>For >40, Deduct</i>	-89.69	
26 56	13 00-0554	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	710.44	140.72
			<i>For >10 To 20, Deduct</i>	-24.20	
			<i>For >20 To 40, Deduct</i>	-44.10	
			<i>For >40, Deduct</i>	-92.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0555	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	764.69	152.45
			<i>For >10 To 20, Deduct</i>	-26.01	
			<i>For >20 To 40, Deduct</i>	-47.43	
			<i>For >40, Deduct</i>	-99.46	
26 56	13 00-0556	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	810.15	164.18
			<i>For >10 To 20, Deduct</i>	-27.48	
			<i>For >20 To 40, Deduct</i>	-50.14	
			<i>For >40, Deduct</i>	-105.11	
26 56	13 00-0557	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	858.91	175.90
			<i>For >10 To 20, Deduct</i>	-29.08	
			<i>For >20 To 40, Deduct</i>	-53.09	
			<i>For >40, Deduct</i>	-111.25	
26 56	13 00-0558	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	913.16	187.63
			<i>For >10 To 20, Deduct</i>	-30.90	
			<i>For >20 To 40, Deduct</i>	-56.42	
			<i>For >40, Deduct</i>	-118.21	
26 56	13 00-0559	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,018.76	187.63
			<i>For >10 To 20, Deduct</i>	-35.12	
			<i>For >20 To 40, Deduct</i>	-63.81	
			<i>For >40, Deduct</i>	-134.05	
26 56	13 00-0560	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,147.81	199.35
			<i>For >10 To 20, Deduct</i>	-39.93	
			<i>For >20 To 40, Deduct</i>	-72.37	
			<i>For >40, Deduct</i>	-152.24	
26 56	13 00-0561	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,276.86	211.08
			<i>For >10 To 20, Deduct</i>	-44.74	
			<i>For >20 To 40, Deduct</i>	-80.94	
			<i>For >40, Deduct</i>	-170.42	
26 56	13 00-0562	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	705.33	117.27
			<i>For >10 To 20, Deduct</i>	-24.70	
			<i>For >20 To 40, Deduct</i>	-44.68	
			<i>For >40, Deduct</i>	-94.07	
26 56	13 00-0563	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	755.19	128.99
			<i>For >10 To 20, Deduct</i>	-26.34	
			<i>For >20 To 40, Deduct</i>	-47.70	
			<i>For >40, Deduct</i>	-100.38	
26 56	13 00-0564	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	805.04	140.72
			<i>For >10 To 20, Deduct</i>	-27.98	
			<i>For >20 To 40, Deduct</i>	-50.72	
			<i>For >40, Deduct</i>	-106.68	
26 56	13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	832.54	140.72
			<i>For >10 To 20, Deduct</i>	-29.08	
			<i>For >20 To 40, Deduct</i>	-52.65	
			<i>For >40, Deduct</i>	-110.81	
26 56	13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	882.39	152.45
			<i>For >10 To 20, Deduct</i>	-30.72	
			<i>For >20 To 40, Deduct</i>	-55.67	
			<i>For >40, Deduct</i>	-117.11	
26 56	13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	932.25	164.18
			<i>For >10 To 20, Deduct</i>	-32.36	
			<i>For >20 To 40, Deduct</i>	-58.69	
			<i>For >40, Deduct</i>	-123.42	
26 56	13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	982.11	175.90
			<i>For >10 To 20, Deduct</i>	-34.01	
			<i>For >20 To 40, Deduct</i>	-61.71	
			<i>For >40, Deduct</i>	-129.73	
26 56	13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,057.26	187.63
			<i>For >10 To 20, Deduct</i>	-36.66	
			<i>For >20 To 40, Deduct</i>	-66.50	
			<i>For >40, Deduct</i>	-139.83	
26 56	13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,159.56	187.63
			<i>For >10 To 20, Deduct</i>	-40.75	
			<i>For >20 To 40, Deduct</i>	-73.66	
			<i>For >40, Deduct</i>	-155.17	
26 56	13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,286.41	199.35
			<i>For >10 To 20, Deduct</i>	-45.48	
			<i>For >20 To 40, Deduct</i>	-82.07	
			<i>For >40, Deduct</i>	-173.03	
26 56	13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,412.16	211.08
			<i>For >10 To 20, Deduct</i>	-50.15	
			<i>For >20 To 40, Deduct</i>	-90.41	
			<i>For >40, Deduct</i>	-190.72	
26 56	13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	794.43	117.27
			<i>For >10 To 20, Deduct</i>	-28.26	
			<i>For >20 To 40, Deduct</i>	-50.92	
			<i>For >40, Deduct</i>	-107.44	
26 56	13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	837.69	128.99
			<i>For >10 To 20, Deduct</i>	-29.64	
			<i>For >20 To 40, Deduct</i>	-53.48	
			<i>For >40, Deduct</i>	-112.75	
26 56	13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	879.84	140.72
			<i>For >10 To 20, Deduct</i>	-30.97	
			<i>For >20 To 40, Deduct</i>	-55.96	
			<i>For >40, Deduct</i>	-117.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0576 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	898.54	140.72
For >10 To 20, Deduct	-31.72	
For >20 To 40, Deduct	-57.27	
For >40, Deduct	-120.71	
26 56 13 00-0577 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	940.69	152.45
For >10 To 20, Deduct	-33.05	
For >20 To 40, Deduct	-59.75	
For >40, Deduct	-125.86	
26 56 13 00-0578 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	983.95	164.18
For >10 To 20, Deduct	-34.43	
For >20 To 40, Deduct	-62.31	
For >40, Deduct	-131.18	
26 56 13 00-0579 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,064.61	175.90
For >10 To 20, Deduct	-37.31	
For >20 To 40, Deduct	-67.49	
For >40, Deduct	-142.10	
26 56 13 00-0580 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,158.46	187.63
For >10 To 20, Deduct	-40.71	
For >20 To 40, Deduct	-73.59	
For >40, Deduct	-155.01	
26 56 13 00-0581 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,222.26	187.63
For >10 To 20, Deduct	-43.26	
For >20 To 40, Deduct	-78.05	
For >40, Deduct	-164.58	
26 56 13 00-0582 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,310.61	199.35
For >10 To 20, Deduct	-46.44	
For >20 To 40, Deduct	-83.77	
For >40, Deduct	-176.66	
26 56 13 00-0583 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,398.96	211.08
For >10 To 20, Deduct	-49.63	
For >20 To 40, Deduct	-89.48	
For >40, Deduct	-188.74	
26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0585 EA Open Or Capped Top For Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0586 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0587 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	74.00	
26 56 13 00-0588 EA Festoon Outlet Provision For Fiberglass Area Light Poles.....	78.00	
Note: Excludes electrical outlet.		
26 56 13 00-0589 EA Vibration Dampener For Fiberglass Area Light Poles.....	98.00	
26 56 13 00-0590 Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0591 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0590)		
26 56 13 00-0592 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,589.63	398.71
26 56 13 00-0593 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,676.15	422.16
26 56 13 00-0594 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,738.30	433.89
26 56 13 00-0595 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,152.14	445.62
26 56 13 00-0596 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,388.18	469.07
26 56 13 00-0597 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,958.78	609.79
26 56 13 00-0598 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,546.58	750.52
26 56 13 00-0599 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,405.66	398.71
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0600 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,926.81	422.16
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0601 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	405.54	140.72
26 56 13 00-0602 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,040.35	281.35
26 56 13 00-0603 EA Pole Base Cover For All Octagon Poles.....	157.94	57.42
26 56 13 00-0604 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	322.69	114.83
26 56 13 00-0605 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
Note: Round or square.		
26 56 13 00-0606 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,683.90	187.63
26 56 13 00-0607 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,904.99	234.53
26 56 13 00-0608 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,105.75	281.44
26 56 13 00-0609 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,937.05	422.16
26 56 13 00-0610 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,382.80	445.62
26 56 13 00-0611 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,864.60	469.07
26 56 13 00-0612 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,486.49	609.79
26 56 13 00-0613 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
26 56 13 00-0614 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	9,533.99	1,055.41
26 56 13 00-0615 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	11,303.46	1,270.14
26 56 13 00-0616 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	13,448.01	1,715.81
26 56 13 00-0617 Treated Wood Area Light Poles (26 56 13 00-0177)		
See CSI section 26 05 46 00-0001 for wood poles.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0618 Cast Iron Decorative Light Posts <small>(26 56 13 00-0177)</small>		
26 56 13 00-0619 Round Tapered, Cast Iron Decorative Light Post, Anchor Base <small>(26 56 13 00-0618)</small> Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	826.88	117.27
26 56 13 00-0621 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	878.27	135.09
26 56 13 00-0622 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	949.23	140.72
26 56 13 00-0623 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,161.51	164.18
26 56 13 00-0624 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,349.22	178.25
26 56 13 00-0625 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,545.64	192.32
26 56 13 00-0626 Landscape Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0627 Aluminum Landscape Light Poles <small>(26 56 13 00-0626)</small> Note: Includes painted finish.		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles <small>(26 56 13 00-0627)</small>		
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Anchor Base <small>(26 56 13 00-0628)</small>		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	379.33	140.72
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	685.06	187.63
26 56 13 00-0632 Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0628)</small>		
26 56 13 00-0633 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	333.26	140.72
26 56 13 00-0634 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	639.00	187.63
26 56 13 00-0635 Steel Landscape Light Poles <small>(26 56 13 00-0626)</small> Note: Includes painted finish.		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0635)</small>		
26 56 13 00-0637 Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0636)</small>		
26 56 13 00-0638 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	348.02	140.72
26 56 13 00-0639 Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0636)</small>		
26 56 13 00-0640 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	333.11	140.72
26 56 13 00-0641 Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		
26 56 13 00-0642 Light Pole Brackets <small>(26 56 13 00-0641)</small>		
26 56 13 00-0643 Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0642)</small>		
26 56 13 00-0644 Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0643)</small>		
26 56 13 00-0645 Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0644)</small> Note: Includes powdercoat finish.		
26 56 13 00-0646 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	323.30	28.15
For Galvanized Finish, Add	26.70	
26 56 13 00-0647 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	403.86	28.15
For Galvanized Finish, Add	34.76	
26 56 13 00-0648 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	428.46	28.15
For Galvanized Finish, Add	37.22	
26 56 13 00-0649 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	580.25	28.15
For Galvanized Finish, Add	52.40	
26 56 13 00-0650 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	603.89	28.15
For Galvanized Finish, Add	54.76	
26 56 13 00-0651 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0644)</small> Note: Includes satin brushed or painted finish.		
26 56 13 00-0652 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	235.59	28.15
For Bronze Or Satin Anodized Finish, Add	17.93	
For Black Anodized Finish, Add	35.86	
26 56 13 00-0653 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	292.79	28.15
For Bronze Or Satin Anodized Finish, Add	23.65	
For Black Anodized Finish, Add	47.30	
26 56 13 00-0654 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	308.19	28.15
For Bronze Or Satin Anodized Finish, Add	25.19	
For Black Anodized Finish, Add	50.38	
26 56 13 00-0655 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	362.09	28.15
For Bronze Or Satin Anodized Finish, Add	30.58	
For Black Anodized Finish, Add	61.16	
26 56 13 00-0656 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	373.09	28.15
For Bronze Or Satin Anodized Finish, Add	31.68	
For Black Anodized Finish, Add	63.36	
26 56 13 00-0657 Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0643)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0658	Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0657) Note: Includes powdercoat finish.		
26 56 13 00-0659	EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	346.31	28.15
	For Galvanized Finish, Add	29.00	
26 56 13 00-0660	EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	423.47	28.15
	For Galvanized Finish, Add	36.72	
26 56 13 00-0661	EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	514.10	28.15
	For Galvanized Finish, Add	45.78	
26 56 13 00-0662	EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	605.16	28.15
	For Galvanized Finish, Add	54.89	
26 56 13 00-0663	Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0664	Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0663) Note: Includes powdercoat finish.		
26 56 13 00-0665	EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	340.79	46.90
26 56 13 00-0666	EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	498.73	46.90
26 56 13 00-0667	EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	685.61	46.90
26 56 13 00-0668	EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	747.09	46.90
26 56 13 00-0669	Light Pole Arms (26 56 13 00-0641)		
26 56 13 00-0670	Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0671	Steel, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0672	EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	207.61	42.22
26 56 13 00-0673	EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	221.12	46.90
26 56 13 00-0674	EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	259.10	58.64
26 56 13 00-0675	EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	296.80	46.90
26 56 13 00-0676	EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	334.57	58.64
26 56 13 00-0677	EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	405.61	70.36
26 56 13 00-0678	Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0679	EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	216.98	46.90
26 56 13 00-0680	EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	280.16	46.90
26 56 13 00-0681	EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	378.67	58.64
26 56 13 00-0682	EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	503.35	70.36
26 56 13 00-0683	Area Light Arms (26 56 13 00-0689)		
26 56 13 00-0684	Steel Area Light Arms (26 56 13 00-0683)		
26 56 13 00-0685	EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	375.41	46.90
26 56 13 00-0686	EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	575.09	51.60
26 56 13 00-0687	EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	638.38	56.29
26 56 13 00-0688	EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	754.46	60.97
26 56 13 00-0689	EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	449.47	58.64
26 56 13 00-0690	EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	629.34	63.32
26 56 13 00-0691	Aluminum Area Light Arms (26 56 13 00-0683)		
26 56 13 00-0692	EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	273.11	46.90
26 56 13 00-0693	EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	336.17	58.64
26 56 13 00-0694	EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	401.42	70.36
26 56 13 00-0695	EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	270.91	46.90
26 56 13 00-0696	EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	399.09	51.60
26 56 13 00-0697	EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	331.77	58.64
26 56 13 00-0698	EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	486.34	63.32
26 56 13 00-0699	EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	403.62	70.36
26 56 13 00-0700	EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	592.31	75.05
26 56 13 00-0701	Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0702	EA Remove And Relocate Lighting Pole And Standards With One Or Two Arms, Up To 45'	1,547.93	
26 56 13 00-0703	High Mast Lighting (26 56 13 00-0001)		
26 56 13 00-0704	High Mast Lighting Assemblies (26 56 13 00-0703) Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0021 for high mast fixtures.		
26 56 13 00-0705	EA 60'-100' High Mast Lighting Assembly	23,387.50	2,384.30
26 56 13 00-0706	EA 110' High Mast Lighting Assembly	25,116.25	2,618.27
26 56 13 00-0707	EA 120' High Mast Lighting Assembly	26,429.35	2,863.39
26 56 13 00-0708	EA 130' High Mast Lighting Assembly	27,641.01	3,097.37
26 56 13 00-0709	EA 140' High Mast Lighting Assembly	28,954.12	3,342.48
26 56 13 00-0710	EA 150' High Mast Lighting Assembly	30,490.36	3,582.07



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0711 High Mast Light Poles <small>(26 56 13 00-0703)</small>		
26 56 13 00-0712 EA 60'-100' High Mast Light Poles	14,093.88	1,907.44
26 56 13 00-0713 EA 110' High Mast Light Poles	15,432.27	2,094.62
26 56 13 00-0714 EA 120' High Mast Light Poles	16,466.42	2,290.71
26 56 13 00-0715 EA 130' High Mast Light Poles	17,399.15	2,477.89
26 56 13 00-0716 EA 140' High Mast Light Poles	18,433.32	2,673.99
26 56 13 00-0717 EA 150' High Mast Light Poles	19,568.89	2,865.62
26 56 13 00-0718 High Mast Lighting Accessories <small>(26 56 13 00-0703)</small>		
See CSI section 26 56 19 00-0021 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0719 EA Bottom Latching System	326.15	
26 56 13 00-0720 EA Top Latching System	862.91	
26 56 13 00-0721 EA Centering Springs	652.63	
26 56 13 00-0722 EA Electric Power Cord	289.92	
26 56 13 00-0723 EA Aircraft Warning Lights	682.09	
26 56 13 00-0724 EA Internal Motorized Hoist	5,029.45	
26 56 13 00-0725 EA Portable Hoist Motor With Step Down Transformer	5,101.65	
26 56 13 00-0726 Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0727 Concrete Bases, Cast In Place <small>(26 56 13 00-0726)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0728 VLF 2' Diameter Concrete Base For Poles	70.55	
26 56 13 00-0729 VLF 2-1/2' Diameter Concrete Base For Poles	88.47	
26 56 13 00-0730 VLF 3' Diameter Concrete Base For Poles	106.73	
26 56 13 00-0731 VLF 3-1/2' Diameter Concrete Base For Poles	131.34	
26 56 13 00-0732 VLF 4' Diameter Concrete Base For Poles	156.46	
26 56 13 00-0733 VLF 5' Diameter Concrete Base For Poles	213.86	
26 56 13 00-0734 VLF 6' Diameter Concrete Base For Poles	282.34	
26 56 19 Roadway Lighting <small>(26 56)</small>		
26 56 19 00-0001 Metal Halide, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0002 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	588.66	188.70
26 56 19 00-0003 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	668.13	204.82
26 56 19 00-0004 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	786.91	220.34
26 56 19 00-0005 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	981.54	258.23
26 56 19 00-0006 High Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0007 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	483.32	220.34
26 56 19 00-0008 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	497.41	220.34
26 56 19 00-0009 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	519.68	220.34
26 56 19 00-0010 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	573.45	220.34
26 56 19 00-0011 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	665.88	220.34
26 56 19 00-0012 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	921.19	220.34
26 56 19 00-0013 Low Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0014 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	567.06	119.86
26 56 19 00-0015 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	569.34	176.27
26 56 19 00-0016 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	680.03	176.27
26 56 19 00-0017 Street Light Accessories <small>(26 56 19)</small>		
26 56 19 00-0018 Photo Controls <small>(26 56 19 00-0017)</small>		
26 56 19 00-0019 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	63.51	
26 56 19 00-0020 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	71.82	
26 56 19 00-0021 High Mast Fixtures <small>(26 56 19)</small>		
26 56 19 00-0022 Metal Halide <small>(26 56 19 00-0021)</small>		
26 56 19 00-0023 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,021.77	115.72
26 56 19 00-0024 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,089.41	115.72
26 56 19 00-0025 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,091.11	132.20
26 56 19 00-0026 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,131.70	132.20
26 56 19 00-0027 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,155.47	165.25
26 56 19 00-0028 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,196.06	165.25
26 56 19 00-0029 High Pressure Sodium <small>(26 56 19 00-0021)</small>		
26 56 19 00-0030 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,061.07	115.72
26 56 19 00-0031 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,101.66	115.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0032 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,278.30	122.33
26 56 19 00-0033 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,311.82	132.20
26 56 19 00-0034 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,396.47	165.25
26 56 19 00-0035 LED Roadway Lighting (26 56 19)		
26 56 19 00-0036 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0035)		
26 56 19 00-0037 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0036) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0038 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	843.23	112.16
26 56 19 00-0039 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,286.39	115.19
26 56 19 00-0040 LED Roadway Lighting (Lithonia) (26 56 19 00-0035)		
26 56 19 00-0041 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0040) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0042 EA 30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,196.70	106.10
26 56 19 00-0043 EA 60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,945.43	109.13
26 56 19 00-0044 LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0035)		
26 56 19 00-0045 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0044) Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0046 EA 20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	661.24	103.06
26 56 19 00-0047 EA 30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	746.09	106.10
26 56 19 00-0048 EA 40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	846.22	109.13
26 56 19 00-0049 EA 50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	929.91	112.16
26 56 19 00-0050 EA 60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,014.76	115.19
26 56 19 00-0051 EA 70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,217.21	118.22
26 56 19 00-0052 EA 80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,300.90	121.25
26 56 19 00-0053 EA 90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,385.75	124.29
26 56 19 00-0054 EA 100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,548.22	127.31
26 56 19 00-0055 EA 110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,633.08	130.34
26 56 19 00-0056 EA 120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,717.93	133.37
26 56 19 00-0057 Horizontal Tenon Mount, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLM™) (26 56 19 00-0044) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0058 EA 20 LEDs, 38 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	629.49	103.06
26 56 19 00-0059 EA 30 LEDs, 55 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	713.17	106.10
26 56 19 00-0060 EA 40 LEDs, 70 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	814.47	109.13
26 56 19 00-0061 EA 50 LEDs, 88 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	899.33	112.16
26 56 19 00-0062 EA 60 LEDs, 106 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	983.01	115.19
26 56 19 00-0063 Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLMIP66™) (26 56 19 00-0044) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0064 EA 20 LEDs, 38 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	669.47	103.06



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0065	EA		30 LEDs, 55 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	753.15	106.10
26 56 19 00-0066	EA		40 LEDs, 70 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	853.28	109.13
26 56 19 00-0067	EA		50 LEDs, 88 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	938.14	112.16
26 56 19 00-0068	EA		60 LEDs, 106 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	1,022.99	115.19
26 56 19 00-0069			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0044)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0070	EA		2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPRAO2MG-US).....	388.01	109.13
			<i>For Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
26 56 19 00-0071	EA		4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPRAO2MC-US).....	406.88	109.13
			<i>For Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
			<i>For Dimming, Add</i>	28.30	
26 56 19 00-0072	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSPAO2GA-US).....	468.52	109.13
			<i>For Field Adjustable Output, Add</i>	20.36	
			<i>For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
			<i>For 480 V, Add</i>	55.00	
26 56 19 00-0073	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSPAO2NA-US).....	468.52	109.13
			<i>For Field Adjustable Output, Add</i>	20.36	
			<i>For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
			<i>For 480 V, Add</i>	55.00	
26 56 19 00-0074	EA		9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSPAO2HA-US).....	594.30	109.13
			<i>For Field Adjustable Output, Add</i>	20.36	
			<i>For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
			<i>For 480 V, Add</i>	55.00	
26 56 19 00-0075	EA		10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSPAO2PA-US).....	594.30	109.13
			<i>For Field Adjustable Output, Add</i>	20.36	
			<i>For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
			<i>For 480 V, Add</i>	55.00	
26 56 19 00-0076	EA		13,290 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSPAO3HL-US).....	719.65	109.13
			<i>For Field Adjustable Output, Add</i>	20.36	
			<i>For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
26 56 19 00-0077	EA		4,325 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ IP66 BXSPA2PGA-US).....	505.83	109.13
			<i>For Field Adjustable Output, Add</i>	20.36	
			<i>For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
			<i>For 480 V, Add</i>	55.00	
26 56 19 00-0078	EA		8,651 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ IP66 BXSPA2PHA-US).....	742.10	109.13
			<i>For Field Adjustable Output, Add</i>	20.36	
			<i>For Field Adjustable Output, Utility Label And NEMA Photocell Receptacle, Add</i>	40.73	
			<i>For 480 V, Add</i>	55.00	
26 56 19 00-0079			Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0044)</small> Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0080	EA		40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,331.91	109.13
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0081	EA		60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,540.43	115.19
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0082	EA		80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,747.78	121.25
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0083	EA		100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,956.29	127.31
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0084	EA		120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,579.94	133.37
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0085	EA		140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,788.46	139.43
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0086	EA		160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,995.80	145.50
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0087	EA		200 LEDs, 234 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,725.65	157.62
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0088	EA		240 LEDs, 269 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,130.55	163.69
			<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0089			LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0035)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19 00-0090	Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0089)</small>			
	Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			
26 56 19 00-0091	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	556.79	109.13
26 56 19 00-0092	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	741.35	121.25
26 56 19 00-0093	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	799.90	139.43
26 56 19 00-0094	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,162.18	151.56
26 56 19 00-0095	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,511.12	172.55
26 56 19 00-0096	LED Roadway Lighting (PlanLED HERA) <small>(26 56 19 00-0035)</small>			
26 56 19 00-0097	Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED HERA) <small>(26 56 19 00-0096)</small>			
	Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			
26 56 19 00-0098	EA	85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED HERA 85W)	772.20	106.10
26 56 19 00-0099	EA	110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED HERA 110W)	812.20	107.26
26 56 19 00-0100	EA	150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED HERA 150W)	854.62	109.13
26 56 19 00-0101	LED Roadway Lighting (General Electric) <small>(26 56 19 00-0035)</small>			
26 56 19 00-0102	Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0101)</small>			
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.			
26 56 19 00-0103	EA	3,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1)	706.89	121.25
26 56 19 00-0104	EA	4,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1)	767.23	121.25
26 56 19 00-0105	EA	8,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2)	986.42	121.25
26 56 19 00-0106	LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0035)</small>			
26 56 19 00-0107	Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0106)</small>			
	Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0108	EA	4,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0).....	855.37	121.25
26 56 19 00-0109	EA	9,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0).....	1,085.20	121.25
26 56 19 00-0110	EA	12,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2).....	1,146.92	121.25
26 56 19 00-0111	Induction Roadway Lighting <small>(26 56 19)</small>			
26 56 19 00-0112	Induction Roadway Lighting (Crystal Lighting) <small>(26 56 19 00-0111)</small>			
	Note: Includes gray powder coat finish heavy duty die cast aluminum body and borosilicate drop glass lens.			
26 56 19 00-0113	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	491.48	139.90
		<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56 19 00-0114	EA	65 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	525.41	144.57
		<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56 19 00-0115	EA	80 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	548.63	149.23
		<i>For Black Powder Coat Finish, Add</i>	20.00	
		<i>For Dimming, Add</i>	80.00	
26 56 19 00-0116	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	577.21	153.89
		<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56 19 00-0117	EA	120 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	723.37	158.56
		<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56 19 00-0118	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	739.12	163.22
		<i>For Black Powder Coat Finish, Add</i>	20.00	
		<i>For Dimming, Add</i>	80.00	
26 56 19 00-0119	EA	200 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	769.83	167.88
		<i>For Black Powder Coat Finish, Add</i>	20.00	
		<i>For Dimming, Add</i>	80.00	
26 56 19 00-0120	Induction Roadway Lighting (US Lighting Tech) <small>(26 56 19 00-0111)</small>			
	Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.			
26 56 19 00-0121	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	552.42	139.90
26 56 19 00-0122	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	615.22	144.57
26 56 19 00-0123	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	633.87	153.89
26 56 19 00-0124	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	652.52	163.22
26 56 19 00-0125	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	784.80	167.88
26 56 19 00-0126	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	798.39	172.55
26 56 19 00-0127	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	507.52	139.90
26 56 19 00-0128	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	576.73	144.57
26 56 19 00-0129	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	595.38	153.89
26 56 19 00-0130	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	614.03	163.22



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 Area Lighting ^(26 56)		
26 56 23 00-0001 Exterior Globe ^(26 56 23)		
26 56 23 00-0002 Incandescent ^(26 56 23 00-0001)		
26 56 23 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	47.71	15.04
26 56 23 00-0004 EA 150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	80.24	15.04
26 56 23 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	59.04	15.04
26 56 23 00-0006 EA 150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	84.60	15.04
26 56 23 00-0007 Surface Mounted, Rectangular Exterior Area Fixture ^(26 56 23)		
26 56 23 00-0008 Metal Halide ^(26 56 23 00-0007)		
26 56 23 00-0009 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	544.93	176.27
26 56 23 00-0010 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	628.53	198.30
26 56 23 00-0011 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	764.53	220.34
26 56 23 00-0012 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	960.74	258.23
26 56 23 00-0013 High Pressure Sodium ^(26 56 23 00-0007)		
26 56 23 00-0014 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	538.45	150.71
26 56 23 00-0015 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	587.98	160.41
26 56 23 00-0016 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	638.93	169.22
26 56 23 00-0017 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	659.53	176.27
26 56 23 00-0018 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	735.57	198.30
26 56 23 00-0019 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	798.62	220.34
26 56 23 00-0020 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,069.55	258.23
26 56 23 00-0021 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23)		
26 56 23 00-0022 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	521.17	118.98
26 56 23 00-0024 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	541.20	132.20
26 56 23 00-0025 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	488.51	150.71
26 56 23 00-0026 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	594.67	160.41
26 56 23 00-0027 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	613.25	169.22
26 56 23 00-0028 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	642.47	176.27
26 56 23 00-0029 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	702.53	198.30
26 56 23 00-0030 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	855.29	220.34
26 56 23 00-0031 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	474.23	132.20
26 56 23 00-0033 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	510.43	150.71
26 56 23 00-0034 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	526.98	160.41
26 56 23 00-0035 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	552.77	169.22
26 56 23 00-0036 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	565.52	176.27
26 56 23 00-0037 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	615.62	198.30
26 56 23 00-0038 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	765.41	220.34
26 56 23 00-0039 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	159.69	60.14
26 56 23 00-0041 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	167.24	63.90
26 56 23 00-0042 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	182.44	67.66
26 56 23 00-0043 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	188.01	75.17
26 56 23 00-0044 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	211.52	86.44
26 56 23 00-0045 Wall Packs ^(26 56 23)		
26 56 23 00-0046 Non Cutoff, Polycarbonate Lens, Mini Wall Packs ^(26 56 23 00-0045)		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	211.90	41.11
26 56 23 00-0048 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	224.91	41.11
26 56 23 00-0049 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	224.91	41.11
26 56 23 00-0050 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	287.99	41.11



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0051	Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small> Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052	EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	389.80	41.11
26 56 23 00-0053	EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	394.48	41.11
26 56 23 00-0054	EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	398.53	41.11
26 56 23 00-0055	EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	391.15	41.11
26 56 23 00-0056	EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	360.79	41.11
26 56 23 00-0057	EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	344.12	41.11
26 56 23 00-0058	Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small> Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059	EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	409.01	41.11
26 56 23 00-0060	EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	413.27	41.11
26 56 23 00-0061	EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	405.90	41.11
26 56 23 00-0062	EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	411.84	41.11
26 56 23 00-0063	EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	411.84	41.11
26 56 23 00-0064	Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small> Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 23 00-0065	EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.07	54.76
26 56 23 00-0066	EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.07	54.76
26 56 23 00-0067	EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	378.22	54.76
26 56 23 00-0068	EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	386.98	54.76
26 56 23 00-0069	EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	386.98	54.76
26 56 23 00-0070	EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	361.65	54.76
26 56 23 00-0071	Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small> Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072	EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	414.61	54.76
26 56 23 00-0073	EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	414.61	54.76
26 56 23 00-0074	EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	414.61	54.76
26 56 23 00-0075	EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.17	54.76
26 56 23 00-0076	EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.17	54.76
26 56 23 00-0077	EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	401.17	54.76
26 56 23 00-0078	Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small> Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079	EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack.....	523.95	54.76
26 56 23 00-0080	Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small> Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081	EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 9-3/8".	505.04	67.83
26 56 23 00-0082	EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 12-1/2".	536.01	67.83
26 56 23 00-0083	EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 9-3/8".	572.94	67.83
26 56 23 00-0084	EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack..... Note: 9-1/4" x 17-7/8" x 12-1/2".	583.10	67.83
26 56 23 00-0085	Cutoff, Tempered Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small> Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086	EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	544.88	67.83
26 56 23 00-0087	EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	579.67	67.83
26 56 23 00-0088	Non Cutoff, Polycarbonate Lens, Large Wall Packs <small>(26 56 23 00-0045)</small> Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089	EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	516.95	82.23
26 56 23 00-0090	EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	480.09	82.23
26 56 23 00-0091	EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	508.42	82.23
26 56 23 00-0092	EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	511.24	82.23
26 56 23 00-0093	EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	514.20	82.23
26 56 23 00-0094	Non Cutoff, Borosilicate Glass Lens, Large Wall Packs <small>(26 56 23 00-0045)</small> Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095	EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	516.96	82.23
26 56 23 00-0096	EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	529.26	82.23
26 56 23 00-0097	EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	566.12	82.23
26 56 23 00-0098	EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	541.55	82.23
26 56 23 00-0099	EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	553.85	82.23
26 56 23 00-0100	EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	578.40	82.23



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0101 Full Cutoff, LED Wall Packs <small>(26 56 23 00-0045)</small>		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 23 00-0101)</small>		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	951.15	81.61
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,036.68	81.61
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 23 00-0101)</small>		
26 56 23 00-0106 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 23 00-0105)</small>		
<small>Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0107 EA 20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	699.52	79.28
26 56 23 00-0108 EA 40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	905.23	83.94
26 56 23 00-0109 EA 60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,110.95	88.60
26 56 23 00-0110 EA 80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,315.49	93.27
26 56 23 00-0111 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,568.26	97.93
26 56 23 00-0112 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,726.93	102.60
26 56 23 00-0113 Wall Pack Accessories <small>(26 56 23 00-0045)</small>		
26 56 23 00-0114 EA Photocell For Wall Pack.....	78.79	20.56
26 56 23 00-0115 EA Wire Guard For Mini And Small Wall Pack	86.66	20.56
26 56 23 00-0116 EA Wire Guard For Medium And Large Wall Pack	119.60	20.56
26 56 23 00-0117 EA Vandal Guard For Wall Pack	167.14	20.56
26 56 23 00-0118 EA Full Cutoff Visor For Wall Pack	84.52	20.56
26 56 23 00-0119 LED Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0120 Pole Mount, LED Area Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0121 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 23 00-0120)</small>		
<small>Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0122 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,829.04	79.28
26 56 23 00-0123 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,972.00	83.94
26 56 23 00-0124 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,124.29	93.27
26 56 23 00-0125 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,133.63	97.93
26 56 23 00-0126 Pole Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABP) <small>(26 56 23 00-0120)</small>		
<small>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0127 EA 20 LEDs, 39 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,351.02	79.28
<i>For 0 To 10 Volt Dimming, Add</i>		47.04
<i>For 347 To 480 Volt, Add</i>		71.74
26 56 23 00-0128 EA 40 LEDs, 70 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,830.74	83.94
<i>For 0 To 10 Volt Dimming, Add</i>		47.04
<i>For 347 To 480 Volt, Add</i>		71.74
26 56 23 00-0129 EA 60 LEDs, 103 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	2,310.47	88.60
<i>For 0 To 10 Volt Dimming, Add</i>		47.04
<i>For 347 To 480 Volt, Add</i>		71.74
26 56 23 00-0130 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 23 00-0120)</small>		
<small>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. All fixtures without the backlight control shield are DLC qualified</small>		
26 56 23 00-0131 EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	984.02	83.94
<i>For Backlight Shielding, Add</i>		16.46
<i>For 480 Volt, Add</i>		71.74
<i>For Multi-Level Drive Currents, Add</i>		164.64
<i>For Post Top Mount, Add</i>		254.98
26 56 23 00-0132 EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,188.57	88.60
<i>For Backlight Shielding, Add</i>		16.46
<i>For 480 Volt, Add</i>		71.74
<i>For Multi-Level Drive Currents, Add</i>		164.64
<i>For Post Top Mount, Add</i>		257.78
26 56 23 00-0133 EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,473.07	93.27
<i>For Backlight Shielding, Add</i>		16.46
<i>For 480 Volt, Add</i>		71.74
<i>For Multi-Level Drive Currents, Add</i>		164.64
<i>For Post Top Mount, Add</i>		260.58



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0134	EA	100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,677.63	97.93
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	263.38	
26 56 23 00-0135	EA	120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,883.34	102.60
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	266.18	
26 56 23 00-0136	EA	140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,151.39	107.26
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	268.98	
26 56 23 00-0137	EA	160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,357.11	111.92
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	271.78	
26 56 23 00-0138	EA	200 LEDs, 221 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,767.37	121.25
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	277.37	
26 56 23 00-0139	EA	240 LEDs, 264 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	3,168.30	125.91
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	280.17	
26 56 23 00-0140		Arm Mount, Round, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0120)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0141	EA	40 LEDs, 47 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,125.14	83.94
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	254.98	
26 56 23 00-0142	EA	60 LEDs, 68 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,329.69	88.60
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	257.78	
26 56 23 00-0143	EA	80 LEDs, 90 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,535.40	93.27
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	260.58	
26 56 23 00-0144	EA	100 LEDs, 111 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,741.13	97.93
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	263.38	
26 56 23 00-0145	EA	120 LEDs, 132 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,945.67	102.60
		<i>For Backlight Shielding, Add</i>	16.46	
		<i>For 480 Volt, Add</i>	71.74	
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
		<i>For Post Top Mount, Add</i>	266.18	
26 56 23 00-0146		Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 23 00-0120)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0147	EA	120 LEDs, 279 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,694.01	102.60
		<i>For 480 Volt, Add</i>	71.74	
26 56 23 00-0148	EA	240 LEDs, 557 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,837.84	125.91
		<i>For 480 Volt, Add</i>	71.74	
26 56 23 00-0149		Wall Mount, LED Area Fixtures <small>(26 56 23 00-0119)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0150 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 23 00-0149)</small> Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0151 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	801.36	79.28
26 56 23 00-0152 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	820.01	88.60
26 56 23 00-0153 Wall Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABR) <small>(26 56 23 00-0149)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0154 EA 20 LEDs, 39 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR)	1,303.98	79.28
For 0 To 10 Volt Dimming, Add	47.04	
For 347 To 480 Volt, Add	71.74	
26 56 23 00-0155 EA 40 LEDs, 70 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR)	1,793.03	88.60
For 0 To 10 Volt Dimming, Add	47.04	
For 347 To 480 Volt, Add	71.74	
26 56 23 00-0156 EA 60 LEDs, 103 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR)	2,263.43	88.60
For 0 To 10 Volt Dimming, Add	47.04	
For 347 To 480 Volt, Add	71.74	
26 56 23 00-0157 Surface Mount, LED Parking Structure Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0158 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 23 00-0157)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0159 EA 20 LEDs, 26 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	660.71	79.28
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0160 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	866.42	83.94
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0161 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,070.97	88.60
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0162 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,276.68	93.27
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0163 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,482.41	97.93
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0164 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 23 00-0157)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0165 EA 40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	834.67	83.94
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0166 EA 60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	922.79	88.60
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0167 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 23 00-0157)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0168 EA 3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	515.34	83.94
26 56 23 00-0169 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 23 00-0157)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0170 EA 70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,015.70	88.60
26 56 23 00-0171 EA 110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,034.36	97.93
26 56 23 00-0172 Surface Mount, LED Canopy Fixtures <small>(26 56 23 00-0119)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0173	Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 23 00-0172)</small>		
	Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0174	EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,007.54	83.94
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0175	EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,212.09	88.60
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0176	EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,417.80	93.27
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0177	EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,623.53	97.93
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0178	EA 120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,828.07	102.60
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0179	EA 140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,112.58	107.26
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0180	EA 160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,317.13	111.92
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0181	EA 200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,728.56	121.25
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0182	EA 240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,129.49	125.91
	For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0183	Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0172)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0184	EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	587.45	93.27
26 56 23 00-0185	Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0186	Recessed Mount, Rectangular, LED Soffit Fixtures (CREE® BetaLED® SFT-227) <small>(26 56 23 00-0185)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0187	EA 30 LEDs, 36 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	835.89	81.61
26 56 23 00-0188	EA 60 LEDs, 68 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,093.31	88.60
26 56 23 00-0189	EA 90 LEDs, 101 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,444.82	95.60
26 56 23 00-0190	EA 120 LEDs, 139 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,669.31	102.60
26 56 23 00-0191	Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0185)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0192	EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	849.96	83.94
26 56 23 00-0193	EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	936.91	88.60
26 56 23 00-0194	Surface Mount, LED Area Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0195	Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0194)</small>		
	Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0196	EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	605.91	83.94
26 56 23 00-0197	EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	751.22	83.94
26 56 23 00-0198	EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	637.91	93.27
26 56 23 00-0199	EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	777.20	93.27



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0200 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 23 00-0194)</small> Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0201 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	197.08 45.00	29.60
26 56 23 00-0202 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	228.42 45.00	29.60
26 56 23 00-0203 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	288.12 45.00	29.60
26 56 23 00-0204 Surface Mount, LED Facade Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0205 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 23 00-0204)</small>		
26 56 23 00-0206 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	381.36	34.58
26 56 23 00-0207 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	610.93	31.57
26 56 23 00-0208 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	775.06	26.31
26 56 23 00-0209 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	939.18	21.04
26 56 23 00-0210 Post Top, LED Area Fixtures <small>(26 56 23 00-0119)</small>		
26 56 23 00-0211 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 23 00-0210)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0212 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,100.14	128.24
26 56 23 00-0213 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,207.78	128.24
26 56 23 00-0214 EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,292.88	128.24
26 56 23 00-0215 Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0210)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0216 EA 2,400 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS).....	2,142.71	128.24
26 56 23 00-0217 EA 4,600 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS).....	2,223.65	128.24
26 56 23 00-0218 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0210)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0219 EA 13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,806.70	128.24
26 56 23 00-0220 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0210)</small> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 56 23 00-0221 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	556.85	
26 56 23 00-0222 Induction Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0223 Post Top, Induction Area Fixtures <small>(26 56 23 00-0222)</small>		
26 56 23 00-0224 Post Top, Induction Area Fixtures (Crystal Lighting) <small>(26 56 23 00-0223)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and acrylic lens.		
26 56 23 00-0225 EA 65 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN).....	619.99	128.24
26 56 23 00-0226 EA 80 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN).....	683.06	128.24
26 56 23 00-0227 Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 23 00-0223)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0228 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	642.44	128.24
26 56 23 00-0229 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	704.45	128.24
26 56 23 00-0230 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	704.45	128.24
26 56 23 00-0231 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	704.45	128.24
26 56 23 00-0232 Surface Mount, Induction Parking Structure Fixtures <small>(26 56 23 00-0222)</small>		
26 56 23 00-0233 Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 23 00-0232)</small>		
26 56 23 00-0234 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	568.06	116.59
26 56 23 00-0235 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	609.08	118.92
26 56 23 00-0236 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	618.01	121.25
26 56 23 00-0237 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	626.95	123.58
26 56 23 00-0238 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	635.89	125.91

26 Electrical
26 50 Lighting
 26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0239	EA		120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	649.11	128.24
26 56 23 00-0240	EA		70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	680.02	121.25
26 56 23 00-0241	EA		80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	688.96	123.58
26 56 23 00-0242	EA		100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	697.90	125.91
26 56 23 00-0243	EA		120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	729.29	128.24
26 56 23 00-0244			Metal Halide Area Fixtures (26 56 23)		
26 56 23 00-0245			Pole Mount, Metal Halide Area Fixtures (26 56 23 00-0244)		
			Note: Includes pulse start ballast.		
26 56 23 00-0246	EA		150 Watt, Metal Halide Area Fixture, Pole Mount.....	624.77	117.27
26 56 23 00-0247	EA		175 Watt, Metal Halide Area Fixture, Pole Mount.....	688.41	128.99
26 56 23 00-0248	EA		250 Watt, Metal Halide Area Fixture, Pole Mount.....	758.25	140.72
26 56 23 00-0249	EA		400 Watt, Metal Halide Area Fixture, Pole Mount.....	807.65	164.18
26 56 23 00-0250			High Pressure Sodium Area Fixtures (26 56 23)		
26 56 23 00-0251			Pole Mount, High Pressure Sodium Area Fixtures (26 56 23 00-0250)		
26 56 23 00-0252	EA		100 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	518.88	93.81
26 56 23 00-0253	EA		150 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	573.92	117.27
26 56 23 00-0254	EA		250 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	627.97	140.72
26 56 23 00-0255	EA		400 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	673.46	164.18
26 56 26			Landscape Lighting (26 56)		
26 56 26 00-0001			Bollards (26 56 26)		
			Note: Excludes concrete base.		
26 56 26 00-0002			Aluminum Architectural Bollards (26 56 26 00-0001)		
26 56 26 00-0003			High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0004			Square, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)		
26 56 26 00-0005	EA		24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.08	69.89
26 56 26 00-0006	EA		30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.29	74.01
26 56 26 00-0007	EA		36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	821.52	78.12
26 56 26 00-0008	EA		42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	765.50	82.23
26 56 26 00-0009	EA		24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.08	69.89
26 56 26 00-0010	EA		30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.29	74.01
26 56 26 00-0011	EA		36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	821.52	78.12
26 56 26 00-0012	EA		42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	765.50	82.23
26 56 26 00-0013	EA		24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.08	69.89
26 56 26 00-0014	EA		30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.29	74.01
26 56 26 00-0015	EA		36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	821.52	78.12
26 56 26 00-0016	EA		42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	765.50	82.23
26 56 26 00-0017	EA		24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.08	69.89
26 56 26 00-0018	EA		30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.29	74.01
26 56 26 00-0019	EA		36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	821.52	78.12
26 56 26 00-0020	EA		42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	765.50	82.23
26 56 26 00-0021			Round, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)		
26 56 26 00-0022	EA		24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	775.58	69.89
26 56 26 00-0023	EA		30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	783.79	74.01
26 56 26 00-0024	EA		36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	792.02	78.12
26 56 26 00-0025	EA		42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	735.73	82.23
26 56 26 00-0026	EA		24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	775.58	69.89
26 56 26 00-0027	EA		30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	783.79	74.01
26 56 26 00-0028	EA		36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	792.02	78.12
26 56 26 00-0029	EA		42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	735.73	82.23
26 56 26 00-0030	EA		24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	775.58	69.89
26 56 26 00-0031	EA		30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	783.79	74.01
26 56 26 00-0032	EA		36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	792.02	78.12
26 56 26 00-0033	EA		42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	735.73	82.23
26 56 26 00-0034	EA		24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	775.58	69.89
26 56 26 00-0035	EA		30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	783.79	74.01
26 56 26 00-0036	EA		36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	792.02	78.12
26 56 26 00-0037	EA		42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	735.73	82.23
26 56 26 00-0038			Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0039			Square, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0040	EA		24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	843.39	69.89
26 56 26 00-0041	EA		30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	851.60	74.01
26 56 26 00-0042	EA		36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	859.83	78.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0043 EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	803.53	82.23
26 56 26 00-0044 EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	843.39	69.89
26 56 26 00-0045 EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	851.60	74.01
26 56 26 00-0046 EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	859.83	78.12
26 56 26 00-0047 EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	803.53	82.23
26 56 26 00-0048 EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	843.39	69.89
26 56 26 00-0049 EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	851.60	74.01
26 56 26 00-0050 EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	859.83	78.12
26 56 26 00-0051 EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	835.59	82.23
26 56 26 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	813.62	69.89
26 56 26 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	821.83	74.01
26 56 26 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	830.06	78.12
26 56 26 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	773.76	82.23
26 56 26 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	813.62	69.89
26 56 26 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	821.83	74.01
26 56 26 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	830.06	78.12
26 56 26 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	773.76	82.23
26 56 26 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	813.62	69.89
26 56 26 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	821.83	74.01
26 56 26 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	830.06	78.12
26 56 26 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	773.76	82.23
26 56 26 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	801.72	69.89
26 56 26 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	809.93	74.01
26 56 26 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	818.16	78.12
26 56 26 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	762.74	82.23
26 56 26 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	801.72	69.89
26 56 26 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	809.93	74.01
26 56 26 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	818.16	78.12
26 56 26 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	762.74	82.23
26 56 26 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	801.72	69.89
26 56 26 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	809.93	74.01
26 56 26 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	818.16	78.12
26 56 26 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	762.74	82.23
26 56 26 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	772.60	69.89
26 56 26 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	780.81	74.01
26 56 26 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	78.12
26 56 26 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	734.18	82.23
26 56 26 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	772.60	69.89
26 56 26 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	780.81	74.01
26 56 26 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	78.12
26 56 26 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	734.18	82.23
26 56 26 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	772.60	69.89
26 56 26 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	780.81	74.01
26 56 26 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	78.12
26 56 26 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	734.18	82.23
26 56 26 00-0092 LED, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0093 Square, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	952.92	69.89
26 56 26 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	961.13	74.01
26 56 26 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	969.36	78.12
26 56 26 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	914.75	82.23
26 56 26 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,155.65	69.89
26 56 26 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,163.86	74.01
26 56 26 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,172.09	78.12
26 56 26 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,116.47	82.23
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	922.68	69.89
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	930.89	74.01
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	939.12	78.12
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	883.50	82.23
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,125.41	69.89
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,133.62	74.01
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,141.85	78.12
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,086.58	82.23

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0111 Reinforced Concrete Bollards <small>(26 56 26 00-0001)</small>		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	867.56	205.56
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, HID Light, Reinforced Concrete Bollard	1,418.71	274.06
26 56 26 00-0114 Low Voltage <small>(26 56 26)</small>		
26 56 26 00-0115 EA Low Voltage Recessed Uplight.....	646.00	149.65
26 56 26 00-0116 EA Low Voltage Walkway.....	477.04	82.23
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set	446.89	109.77
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier.....	397.47	82.23
26 56 26 00-0119 Recessed, Adjustable <small>(26 56 26)</small>		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	791.67	131.56
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	876.92	131.56
26 56 26 00-0122 Recessed, Uplight <small>(26 56 26)</small>		
26 56 26 00-0123 EA 50 Watt Incandescent Recessed Uplight	695.05	131.56
26 56 26 00-0124 EA 150 Watt Incandescent Recessed Uplight	712.10	131.56
26 56 26 00-0125 EA 300 Watt Incandescent Recessed Uplight	763.25	131.56
26 56 26 00-0126 EA 500 Watt Quartz Recessed Uplight.....	757.56	131.56
26 56 26 00-0127 EA 5 Watt LED Recessed Uplight.....	633.07	131.56
26 56 26 00-0128 EA 15 Watt LED Recessed Uplight.....	689.53	131.56
26 56 26 00-0129 Recessed Wall Light <small>(26 56 26)</small>		
26 56 26 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	346.32	82.23
26 56 26 00-0131 EA 100 Watt Fluorescent Recessed Wall Light	329.27	82.23
26 56 26 00-0132 EA 100 Watt H.I.D. Recessed Wall Light.....	554.88	109.77
26 56 26 00-0133 Step Lights <small>(26 56 26)</small>		
26 56 26 00-0134 EA Incandescent Step Light	284.97	65.78
26 56 26 00-0135 EA Fluorescent Step Light.....	341.85	65.78
26 56 26 00-0136 EA 5 Watt LED Step Light	344.24	65.78
26 56 26 00-0137 EA 15 Watt LED Step Light	404.47	65.78
26 56 26 00-0138 Tree Lights, Surface Adjustable <small>(26 56 26)</small>		
26 56 26 00-0139 EA 50 Watt Incandescent Tree Lights	628.76	109.77
26 56 26 00-0140 EA 100 Watt Incandescent Tree Lights	645.81	109.77
26 56 26 00-0141 EA 150 Watt Incandescent Tree Lights	783.58	164.45
26 56 26 00-0142 Underwater Lights <small>(26 56 26)</small>		
26 56 26 00-0143 EA 150 Watt, 120 Volt Underwater Lights	547.00	54.68
26 56 26 00-0144 EA 300 Watt, 120 Volt Underwater Lights	615.20	54.68
26 56 26 00-0145 EA 1,000 Watt, 120 Volt Underwater Lights	1,556.91	82.23
26 56 26 00-0146 EA 50 Watt, 12 V Underwater Lights.....	575.42	54.68
26 56 26 00-0147 EA 300 Watt, 12 V Underwater Lights.....	654.99	54.68
26 56 26 00-0148 EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,695.61	123.34
26 56 33 Walkway Lighting <small>(26 56)</small>		
26 56 33 00-0001 Incandescent Walkway <small>(26 56 33)</small>		
26 56 33 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	357.80	76.47
26 56 33 00-0003 Metal Halide Walkway <small>(26 56 33)</small>		
26 56 33 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture.....	548.21	120.21
26 56 33 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	583.73	124.57
26 56 33 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	635.40	129.34
26 56 33 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	678.82	139.79
26 56 33 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	599.51	129.34
26 56 33 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	617.25	120.21
26 56 33 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	626.81	124.57
26 56 33 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture.....	512.25	85.68
26 56 33 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	548.14	85.68
26 56 33 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture.....	584.03	85.68
26 56 33 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture.....	659.58	96.45
26 56 33 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture.....	494.92	76.96
26 56 33 00-0016 High Pressure Sodium Walkway <small>(26 56 33)</small>		
26 56 33 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	480.88	120.21



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture.....	510.54	124.57
26 56 33 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture.....	552.97	129.34
26 56 33 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture.....	591.51	139.79
26 56 33 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture.....	524.93	129.34
26 56 33 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture.....	534.82	120.21
26 56 33 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture.....	544.20	124.57
26 56 33 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	437.67	85.68
26 56 33 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture.....	465.71	85.68
26 56 33 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	493.75	85.68
26 56 33 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	557.52	96.45
26 56 33 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	420.34	76.96
26 56 33 00-0029 Walkway, Adjustable (26 56 33)		
26 56 33 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture.....	520.57	109.77
26 56 33 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture.....	538.27	109.77
26 56 33 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture.....	954.54	164.45
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture.....	447.76	82.23
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture.....	471.37	82.23
26 56 33 00-0035 LED Walkway (26 56 33)		
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 56 33 00-0035)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	693.24	63.14
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	716.76	63.14
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	756.74	63.14
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	787.32	63.14
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	904.41	81.19
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 36 Flood Lighting (26 56)		
26 56 36 00-0001 General Electric Powerflood® Flood Lights (26 56 36)		
26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light.....	224.32	70.36
26 56 36 00-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light.....	225.99	70.36
26 56 36 00-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light.....	228.77	70.36
26 56 36 00-0007 Metal Halide MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light.....	290.63	70.36
26 56 36 00-0009 P-154 (Small Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010 High Pressure Sodium P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	427.83	93.81
26 56 36 00-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light.....	430.06	93.81
26 56 36 00-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light.....	433.96	93.81
26 56 36 00-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light.....	477.98	93.81
26 56 36 00-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light.....	490.80	93.81
26 56 36 00-0016 Metal Halide P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light.....	423.93	93.81
26 56 36 00-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light.....	443.43	93.81
26 56 36 00-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light.....	453.46	93.81
26 56 36 00-0020 PF-154 (Medium Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021 High Pressure Sodium PF-154 Series GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	441.80	105.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	444.59	105.54
26 56 36 00-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	449.05	105.54
26 56 36 00-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	492.52	105.54
26 56 36 00-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	504.78	105.54
26 56 36 00-0027 Metal Halide PF-154 GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light	438.46	105.54
26 56 36 00-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light	457.41	105.54
26 56 36 00-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light	467.44	105.54
26 56 36 00-0031 PF-400 (Medium Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032 High Pressure Sodium PF-400 Series GE Flood Lights (26 56 36 00-0031)		
26 56 36 00-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light	573.32	105.54
26 56 36 00-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light	612.34	105.54
26 56 36 00-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light	609.55	105.54
26 56 36 00-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light	623.48	105.54
26 56 36 00-0037 Metal Halide PF-400 GE Flood Lights (26 56 36 00-0001)		
26 56 36 00-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light	587.81	105.54
26 56 36 00-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light	599.52	105.54
26 56 36 00-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light	611.78	105.54
26 56 36 00-0041 PF-1000 (Large Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042 High Pressure Sodium PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	763.41	117.27
26 56 36 00-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	763.41	117.27
26 56 36 00-0045 Metal Halide PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light	731.08	117.27
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	626.83	105.54
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	637.41	105.54
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	632.96	105.54
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights (26 56 36 00-0001)		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light	110.99	23.45
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light	69.75	23.45
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light	95.39	23.45
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	75.88	23.45
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light	197.56	70.36
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	82.01	23.45
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	155.77	70.36
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	160.78	70.36
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	64.73	23.45
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	63.06	23.45
26 56 36 00-0064 Lithonia Contour Series Flood Lights (26 56 36)		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights (26 56 36 00-0064)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	398.16	93.81
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	430.33	93.81
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	461.84	93.81



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	501.17	93.81
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	493.42	93.81
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	480.94	93.81
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	480.01	93.81
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	497.96	93.81
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 56 36 00-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	589.29	105.54
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	600.02	105.54
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	565.17	105.54
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	565.17	105.54
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	582.00	105.54
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	560.49	93.81
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	576.55	93.81
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	589.97	93.81
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light.....	555.11	93.81
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light.....	571.20	93.81
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights (26 56 36 00-0064)		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,052.51	117.27
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	824.54	117.27
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	905.00	117.27
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights (26 56 36 00-0064)		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	97.47	23.45
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light.....	176.44	23.45
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	82.57	23.45
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	106.70	23.45
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	247.98	70.36
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	205.28	70.36
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	205.28	70.36
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	222.31	70.36
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	93.80	23.45
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	77.44	23.45
26 56 36 00-0110 Ruud Flood Lights (26 56 36)		
26 56 36 00-0111 NS (Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: Provides conventional floodlighting, 1/2" threaded mounting knuckle.		
26 56 36 00-0112 High Pressure Sodium NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0113 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	266.67	70.36
26 56 36 00-0114 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	266.67	70.36
26 56 36 00-0115 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	266.67	70.36
26 56 36 00-0116 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	266.67	70.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0117 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	266.67	70.36
26 56 36 00-0118 Metal Halide NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0119 EA 50 Watt Metal Halide NS Series Ruud Flood Light	297.88	70.36
26 56 36 00-0120 EA 70 Watt Metal Halide NS Series Ruud Flood Light	297.88	70.36
26 56 36 00-0121 EA 100 Watt Metal Halide NS Series Ruud Flood Light	297.88	70.36
26 56 36 00-0122 Compact Fluorescent NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0123 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	234.35	70.36
26 56 36 00-0124 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	242.15	70.36
26 56 36 00-0125 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	244.38	70.36
26 56 36 00-0126 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	246.61	70.36
26 56 36 00-0127 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0129 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	409.48	105.54
26 56 36 00-0130 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	429.54	105.54
26 56 36 00-0131 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	440.69	105.54
26 56 36 00-0132 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0133 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	405.02	105.54
26 56 36 00-0134 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	407.25	105.54
26 56 36 00-0135 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	413.94	105.54
26 56 36 00-0136 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0137 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	397.22	105.54
26 56 36 00-0138 FS (Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139 High Pressure Sodium FS Series Ruud Flood Lights (26 56 36 00-0138)		
26 56 36 00-0140 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light	468.55	105.54
26 56 36 00-0141 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light	470.78	105.54
26 56 36 00-0142 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	763.97	117.27
26 56 36 00-0143 Metal Halide FS Series Ruud Flood Lights (26 56 36 00-0138)		
26 56 36 00-0144 EA 175 Watt Metal Halide FS Series Ruud Flood Light	468.55	105.54
26 56 36 00-0145 EA 250 Watt Metal Halide FS Series Ruud Flood Light	470.78	105.54
26 56 36 00-0146 EA 400 Watt Metal Halide FS Series Ruud Flood Light	477.47	105.54
26 56 36 00-0147 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light	690.40	117.27
26 56 36 00-0148 MFS (Mini Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149 High Pressure Sodium MFS Series Ruud Flood Lights (26 56 36 00-0148)		
26 56 36 00-0150 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light	373.77	93.81
26 56 36 00-0151 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light	397.17	93.81
26 56 36 00-0152 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light	397.17	93.81
26 56 36 00-0153 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light	397.17	93.81
26 56 36 00-0154 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light	397.17	93.81
26 56 36 00-0155 Metal Halide MFS Series Ruud Flood Lights (26 56 36 00-0148)		
26 56 36 00-0156 EA 50 Watt Metal Halide MFS Series Ruud Flood Light	404.98	93.81
26 56 36 00-0157 EA 70 Watt Metal Halide MFS Series Ruud Flood Light	404.98	93.81
26 56 36 00-0158 EA 100 Watt Metal Halide MFS Series Ruud Flood Light	404.98	93.81
26 56 36 00-0159 EA 175 Watt Metal Halide MFS Series Ruud Flood Light	392.72	93.81
26 56 36 00-0160 MCF/MPM/MPN (Mini Cutoff, Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 56 36 00-0160)		
26 56 36 00-0162 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	401.63	93.81
26 56 36 00-0163 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	425.04	93.81
26 56 36 00-0164 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	425.04	93.81



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0165 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	425.04	93.81
26 56 36 00-0166 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	425.04	93.81
26 56 36 00-0167 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 56 36 00-0160)		
26 56 36 00-0168 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	432.84	93.81
26 56 36 00-0169 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	432.84	93.81
26 56 36 00-0170 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	432.84	93.81
26 56 36 00-0171 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	420.58	93.81
26 56 36 00-0172 CF (Cutoff Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173 High Pressure Sodium CF Series Ruud Flood Lights (26 56 36 00-0172)		
26 56 36 00-0174 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	520.94	105.54
26 56 36 00-0175 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	532.08	105.54
26 56 36 00-0176 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	791.83	117.27
26 56 36 00-0177 Metal Halide CF Series Ruud Flood Lights (26 56 36 00-0172)		
26 56 36 00-0178 EA 175 Watt Metal Halide CF Series Ruud Flood Light	496.42	105.54
26 56 36 00-0179 EA 250 Watt Metal Halide CF Series Ruud Flood Light	498.65	105.54
26 56 36 00-0180 EA 400 Watt Metal Halide CF Series Ruud Flood Light	505.33	105.54
26 56 36 00-0181 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light	718.27	117.27
26 56 36 00-0182 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183 High Pressure Sodium CN Series Ruud Flood Lights (26 56 36 00-0182)		
26 56 36 00-0184 EA 400 High Pressure Sodium CN Series Ruud Flood Light	662.54	117.27
26 56 36 00-0185 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	778.45	117.27
26 56 36 00-0186 Metal Halide CN Series Ruud Flood Lights (26 56 36 00-0182)		
26 56 36 00-0187 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	635.79	117.27
26 56 36 00-0188 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	704.89	117.27
26 56 36 00-0189 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190 High Pressure Sodium PM/PN Series Ruud Flood Lights (26 56 36 00-0189)		
26 56 36 00-0191 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	536.54	105.54
26 56 36 00-0192 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	547.69	105.54
26 56 36 00-0193 Metal Halide PM/PN Series Ruud Flood Lights (26 56 36 00-0189)		
26 56 36 00-0194 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	512.02	105.54
26 56 36 00-0195 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	514.25	105.54
26 56 36 00-0196 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	520.94	105.54
26 56 36 00-0197 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	733.87	117.27
26 56 36 00-0198 Accessories For Ruud Flood Lighting (26 56 36 00-0110)		
26 56 36 00-0199 EA Wireguard For Ruud Flood Light.....	63.62	23.45
26 56 36 00-0200 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	93.71	23.45
26 56 36 00-0201 EA Glare Guard (Upper Visor) For Ruud Flood Light	71.42	23.45
26 56 36 00-0202 EA Vandal Shield For Ruud Flood Light.....	82.57	23.45
26 56 36 00-0203 EA Pipe Mounting Bracket For Ruud Flood Light	178.62	70.36
26 56 36 00-0204 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	56.93	23.45
26 56 36 00-0205 Lumark Flood Lights (26 56 36)		
26 56 36 00-0206 QZ Wedge Series Quartz Lumark Flood Lights (26 56 36 00-0205)		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	163.51	70.36
26 56 36 00-0208 LQL Series Quartz Lumark Flood Lights (26 56 36 00-0205)		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 1,500 Watt LQL Series Quartz Lumark Flood Light	196.39	70.36
26 56 36 00-0210 Kim Lighting (26 56 36)		
26 56 36 00-0211 MicroFlood® Series Kim Lighting Flood Lights (26 56 36 00-0210)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0212		LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0211)</small>		
26 56 36 00-0213	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	277.06	28.82
26 56 36 00-0214	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	338.90	28.82
26 56 36 00-0215		Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small>		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216		LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0215)</small>		
		Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	414.97	28.82
26 56 36 00-0218		CREE® BetaLED® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0219		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0218)</small>		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220	EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	897.00	83.94
26 56 36 00-0221	EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	985.12	88.60
26 56 36 00-0222		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0218)</small>		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223	EA	20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	778.31	79.28
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0224	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	984.02	83.94
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0225	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,188.57	88.60
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0226	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,473.07	93.27
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0227	EA	100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,677.63	97.93
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0228	EA	120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,883.34	102.60
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0229	EA	140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,151.39	107.26
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0230	EA	160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,357.11	111.92
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0231	EA	200 LEDs, 221 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,767.37	121.25
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0232	EA	240 LEDs, 264 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,168.30	125.91
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0233		Adjustable Arm Mount, Round, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDR) <small>(26 56 36 00-0218)</small>		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0234	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,125.14	83.94
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0235	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,329.69	88.60
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0236	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,466.02	93.27
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0237	EA	100 LEDs, 111 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,741.13	97.93
		<i>For 480 Volt, Add</i>	71.74	
26 56 36 00-0238	EA	120 LEDs, 132 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,945.67	102.60
		<i>For 480 Volt, Add</i>	71.74	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0239 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0240 EA 120 LEDs, 279 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,946.85	102.60
<i>For 480 Volt, Add</i>	<i>71.74</i>	
26 56 36 00-0241 EA 240 LEDs, 557 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,963.68	125.91
<i>For 480 Volt, Add</i>	<i>71.74</i>	
26 56 39 Hazardous Location Flood Lights <small>(26 56)</small> Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 56 39 00-0001 Lithonia Hazardous Location Flood Lights <small>(26 56 39)</small>		
26 56 39 00-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	555.79	93.81
26 56 39 00-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	590.35	93.81
26 56 39 00-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	556.91	93.81
26 56 39 00-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	586.66	93.81
26 56 39 00-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	570.28	93.81
26 56 39 00-0010 HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	532.04	93.81
26 56 39 00-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	552.66	93.81
26 56 39 00-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	476.31	93.81
26 56 39 00-0016 HFA (Large) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	743.90	117.27
26 56 39 00-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	753.93	117.27
26 56 39 00-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	740.56	117.27
26 56 39 00-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	753.93	117.27
26 56 39 00-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	562.18	105.54
26 56 39 00-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	601.19	105.54
26 56 39 00-0028 Accessories For Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> See CSI section 26 56 36 00-0099 for accessories.		
26 56 43 High Performance Flood Lights <small>(26 56)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: For airport aprons and parking areas.

26 56 43 00-0001		Lithonia High Performance Flood Lights (26 56 43)		
26 56 43 00-0002		170S Series Lithonia High Performance Flood Lights (26 56 43 00-0001)		
		Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights (26 56 43 00-0002)		
26 56 43 00-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,250.03	140.72
26 56 43 00-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,341.42	140.72
26 56 43 00-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,345.88	140.72
26 56 43 00-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,485.21	140.72
26 56 43 00-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights (26 56 43 00-0002)		
26 56 43 00-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,427.25	140.72
26 56 43 00-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,365.44	140.72
26 56 43 00-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,306.87	140.72
26 56 43 00-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,364.83	140.72
26 56 43 00-0013		Accessories For Lithonia High Performance Flood Lights (26 56 43 00-0002)		
		See CSI section 26 56 36 00-0099 for accessories.		
26 56 68		Exterior Athletic Lighting (26 56)		
26 56 68 00-0001		Sports Lighting System (26 56 68)		
		Note: Musco.		
26 56 68 00-0002		Round Steel Tapered Poles (26 56 68 00-0001)		
		Note: With Internal wiring harness.		
26 56 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	1,820.12	450.31
26 56 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,192.37	544.12
26 56 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,449.35	591.03
26 56 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,647.54	614.48
26 56 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,192.31	637.93
26 56 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,708.82	778.66
26 56 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,974.76	825.56
26 56 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,515.46	938.14
26 56 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,117.18	1,055.41
26 56 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,600.55	1,136.44
26 56 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,137.61	1,270.14
26 56 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,730.69	1,426.13
26 56 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,660.03	1,715.81
26 56 68 00-0016		Steel Pole Brackets (26 56 68 00-0001)		
26 56 68 00-0017	EA	Two Light Bracket	343.60	46.90
26 56 68 00-0018	EA	Three Light Bracket.....	433.36	65.67
26 56 68 00-0019	EA	Four Light Bracket.....	621.30	79.74
26 56 68 00-0020	EA	Five Light Bracket.....	709.17	93.81
26 56 68 00-0021	EA	Six Light Bracket.....	858.95	107.89
26 56 68 00-0022	EA	Seven Light Bracket.....	983.46	121.96
26 56 68 00-0023	EA	Eight Light Bracket.....	1,123.82	140.72
26 56 68 00-0024	EA	Nine Light Bracket.....	1,268.96	154.79
26 56 68 00-0025		Light Fixtures (26 56 68 00-0001)		
26 56 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug.....	1,310.69	
		For 1,500 Watt Metal Halide Lamp, Add	7.46	
26 56 68 00-0027		Electrical Component Enclosure (26 56 68 00-0001)		
		Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 56 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	520.23	53.45
26 56 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	781.71	82.23
26 56 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	895.96	102.78
26 56 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	1,156.12	115.12
26 56 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	1,297.93	123.34
26 56 68 00-0033		Accessories (26 56 68 00-0001)		
26 56 68 00-0034	EA	Time Delay Kit (Musco®)	587.42	164.73
26 56 68 00-0035	EA	Remote Switch Box Push Button (Musco®).....	1,103.37	164.73
26 56 68 00-0036	EA	Push Button Strobe Kit (Musco®).....	1,309.75	164.73
26 56 68 00-0037	EA	Additional Control-Link Unit (Musco®).....	6,147.80	494.18
26 56 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	680.39	82.23
26 56 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	844.84	164.45



	Electrical	26	26
	Lighting	26 50	
	Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 26

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels where the number of terminations is not known.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	153.23	22.24
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	181.28	22.24
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	41.04	4.12
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	15.87	4.12
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	16.80	4.12
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	18.36	4.12
27 05 26 00-0007	EA	Lucent 489ACA1-025, 25 Pair Protector Panel, Including Terminations.....	557.33	84.17
27 05 26 00-0008	EA	Lucent 489ACA1-050, 50 Pair Protector Panel, Including Terminations.....	719.98	112.26
27 05 26 00-0009	EA	Lucent 489ACA1-100, 100 Pair Protector Panel, Including Terminations.....	1,067.30	168.35
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	6.76	1.23

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 33 Conduits And Backboxes For Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays For Communications Systems ^(27 05)

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways For Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 10 Structured Cabling ⁽²⁷⁾

27 11 Communications Equipment Room Fittings ^(27 10)

27 11 16 Communications Cabinets, Racks, Frames, And Enclosures ^(27 11)

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards ^(27 11 16)

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	62.39	21.38
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	37.35	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	124.76	42.76
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	74.70	

27 11 16 00-0004 Terminal Cabinets ^(27 11 16)

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	221.61	61.67
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	276.06	67.83
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	317.67	78.12
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	329.50	80.17
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	396.81	82.23
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	487.66	92.50
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	497.57	90.44
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	643.96	128.85
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	690.35	141.59
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	825.72	149.57
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	681.90	123.34
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	737.54	133.61
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	921.34	171.28
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,109.60	214.11
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,246.24	211.73
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,437.01	257.61
27 11 16 00-0021	EA	19" x 84" Equipment Rack With Base And Two Sides.....	1,613.50	205.56

27 11 16 00-0022 Racks ^(27 11 16)

27 11 16 00-0023	EA	19" x 84" Equipment Rack, Modular Networking Frame	271.10	41.11
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27 11 19 Communications Termination Blocks And Patch Panels ^(27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0073 for labeling.

27 11 19 00-0001 Computer Network Components ^(27 11 19)

27 11 19 00-0002 Ethernet Patch Panels ^(27 11 19 00-0001)

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel.....	169.63	41.11
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel.....	244.20	41.11
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel.....	314.76	41.11
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel.....	380.51	41.11
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel.....	539.19	51.39

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0008 EA 96 Port, Category 5E Patch Panel.....	697.45	61.67
27 11 19 00-0009 EA 12 Port, Category 6 Patch Panel.....	202.50	41.11
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel.....	249.01	41.11
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel.....	415.79	41.11
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel.....	764.80	61.67
27 11 19 00-0013 EA Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	29.14	
27 11 19 00-0014 EA >5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	24.27	
27 11 19 00-0015 EA >10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	14.56	
27 11 19 00-0016 EA Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	8.01	
27 11 19 00-0017 EA >20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	6.68	
27 11 19 00-0018 EA >40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	4.01	
27 11 19 00-0019 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0020 Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
27 11 19 00-0021 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0022 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	90.58	18.50
27 11 19 00-0023 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	132.28	18.50
27 11 19 00-0024 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	193.98	18.50
27 11 19 00-0025 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	287.36	30.83
27 11 19 00-0026 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	397.20	30.83
27 11 19 00-0027 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0028 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	298.61	30.83
27 11 19 00-0029 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	340.50	30.83
27 11 19 00-0030 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	413.55	30.83
27 11 19 00-0031 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	428.01	30.83
27 11 19 00-0032 Rack Mount, Fiber Optic Cable Pretium Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0033 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Connector Housing.....	370.40	30.83
For Splice Tray Bracket, Add	38.74	
27 11 19 00-0034 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Connector Housing.....	432.69	30.83
For Splice Tray Bracket, Add	42.37	
27 11 19 00-0035 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Connector Housing.....	537.68	30.83
For Splice Tray Bracket, Add	154.36	
27 11 19 00-0036 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0020) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0037 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	415.90	18.50
27 11 19 00-0038 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	576.50	30.83
27 11 19 00-0039 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	604.63	30.83
27 11 19 00-0040 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0020) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0044 for connector panels.		
27 11 19 00-0041 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	435.33	18.50
27 11 19 00-0042 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	576.16	30.83
27 11 19 00-0043 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	675.67	30.83
27 11 19 00-0044 Fiber Optic Cable Connector Panels (27 11 19 00-0019)		
27 11 19 00-0045 SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0044)		
27 11 19 00-0046 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	57.60	4.11
27 11 19 00-0047 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	62.43	4.11
27 11 19 00-0048 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	69.92	4.11
27 11 19 00-0049 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	76.35	4.11
27 11 19 00-0050 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	94.58	4.11
27 11 19 00-0051 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	104.21	4.11
27 11 19 00-0052 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0044)		
27 11 19 00-0053 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	55.46	4.11
27 11 19 00-0054 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	56.60	4.11
27 11 19 00-0055 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	67.09	4.11
27 11 19 00-0056 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	68.60	4.11
27 11 19 00-0057 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	90.34	4.11
27 11 19 00-0058 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	92.58	4.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0059 LC Duplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0044)</small>		
27 11 19 00-0060 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	59.82	4.11
27 11 19 00-0061 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	65.51	4.11
27 11 19 00-0062 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	72.88	4.11
27 11 19 00-0063 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	80.47	4.11
27 11 19 00-0064 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	99.02	4.11
27 11 19 00-0065 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	110.39	4.11
27 11 19 00-0066 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	125.16	4.11
27 11 19 00-0067 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	140.31	4.11
27 11 19 00-0068 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	177.42	4.11
27 11 19 00-0069 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	182.70	4.11
27 11 19 00-0070 ST Simplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0044)</small>		
27 11 19 00-0071 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	48.04	4.11
27 11 19 00-0072 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	51.69	4.11
27 11 19 00-0073 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	57.18	4.11
27 11 19 00-0074 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	62.05	4.11
27 11 19 00-0075 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	75.45	4.11
27 11 19 00-0076 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	82.77	4.11
27 11 19 00-0077 MT-RJ, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0044)</small>		
27 11 19 00-0078 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	59.48	4.11
27 11 19 00-0079 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	88.52	4.11
27 11 19 00-0080 Fiber Optic Cable Splice Housings <small>(27 11 19 00-0019)</small>		
27 11 19 00-0081 Wall Mount, Fiber Optic Cable Splice Housings <small>(27 11 19 00-0080)</small>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0082 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	211.59	41.11
27 11 19 00-0083 Rack Mount, Fiber Optic Cable Splice Housings <small>(27 11 19 00-0080)</small>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0084 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	309.49	30.83
27 11 19 00-0085 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	314.02	30.83
27 11 19 00-0086 Fiber Optic Cable Splice Trays <small>(27 11 19 00-0080)</small>		
27 11 19 00-0087 EA Fiber Optic Cable Splice Tray.....	60.14	10.27
27 11 19 00-0088 Fiber Optic Cable Jumper Management Panels <small>(27 11 19 00-0019)</small>		
Note: Includes mounting hardware.		
27 11 19 00-0089 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	119.51	30.83
27 11 19 00-0090 Miscellaneous Accessories <small>(27 11 19 00-0001)</small>		
27 11 19 00-0091 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	44.02	
27 11 19 00-0092 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	58.30	
27 11 19 00-0093 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	63.87	
27 11 19 00-0094 EA Wall Mount Bracket For 96 Port Patch Panel.....	71.29	
27 11 19 00-0095 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	278.84	41.11
27 11 19 00-0096 Telephone Components <small>(27 11 19)</small>		
27 11 19 00-0097 Terminal Blocks With Wide Range Of 22-8 AWG <small>(27 11 19 00-0096)</small>		
27 11 19 00-0098 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	22.35	8.23
27 11 19 00-0099 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	38.48	8.23
27 11 19 00-0100 EA Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	31.88	8.23
27 11 19 00-0101 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	17.92	8.23
27 11 19 00-0102 EA Flat Terminal Block Connection With Wire Range 22-8 AWG.....	12.76	5.76
27 11 19 00-0103 EA Ground Terminal Block With Wire Range 22-8 AWG.....	23.05	8.23
27 11 19 00-0104 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	17.92	8.23
27 11 19 00-0105 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	12.65	5.76
27 11 19 00-0106 EA Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	12.58	5.76
27 11 19 00-0107 EA Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	12.90	5.76
27 11 19 00-0108 Terminal Block Mounting Channel <small>(27 11 19 00-0096)</small>		
27 11 19 00-0109 EA Terminal Block Mounting Channel, .5 M Galvanized Steel.....	11.68	4.12
27 11 19 00-0110 EA Terminal Block Mounting Channel, 1 M Galvanized Steel.....	14.51	4.12
27 11 19 00-0111 EA Terminal Block Mounting Channel, 2 M Galvanized Steel.....	19.40	4.12
27 11 19 00-0112 EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	14.65	4.94
27 11 19 00-0113 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	19.30	4.94
27 11 19 00-0114 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	26.84	4.94

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 00-0115 Outlet Termination Hardware (27 11 19 00-0096)

27 11 19 00-0116	EA	Telephone Outlet Blocks.....	20.43	4.12
27 11 19 00-0117	EA	Phone Outlet Block For Floor Box.....	67.55	31.25
		Note: Excludes box.		
27 11 19 00-0118	EA	Fiber Optic "SC" Type Modular Bulkhead.....	54.49	18.50
27 11 19 00-0119	EA	Fiber Optic "ST" Type Modular Bulkhead.....	54.49	18.50
27 11 19 00-0120	EA	Type "F" Coaxial Connector Male.....	32.69	12.34
27 11 19 00-0121	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	78.27	20.56
27 11 19 00-0122	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	78.27	20.56
27 11 19 00-0123	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	92.12	20.56
27 11 19 00-0124	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	92.12	20.56
27 11 19 00-0125	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	84.83	20.56
27 11 19 00-0126	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	695.22	102.78
27 11 19 00-0127	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	37.34	8.22
		Note: Excludes cable terminations.		
27 11 19 00-0128	EA	Connecting Block, 5-Pair.....	2.33	0.82
27 11 19 00-0129	EA	Connecting Block, 4-Pair.....	2.27	0.82
27 11 19 00-0130	EA	Plastic Label Holder, Transparent.....	9.58	2.05
27 11 19 00-0131	EA	Marked Label, White, 5-Pair.....	2.70	
27 11 19 00-0132	EA	Marked Label, Blue, 4-Pair.....	2.70	

27 11 19 00-0133 Terminations in Manhole or Junction Box (27 11 19 00-0096)

27 11 19 00-0134	EA	25 Pair Cable Termination In Manhole Or Junction Box.....	131.56	
27 11 19 00-0135	EA	50 Pair Cable Termination In Manhole Or Junction Box.....	263.12	
27 11 19 00-0136	EA	100 Pair Cable Termination In Manhole Or Junction Box.....	526.24	
27 11 19 00-0137	EA	150 Pair Cable Termination In Manhole Or Junction Box.....	789.36	
27 11 19 00-0138	EA	200 Pair Cable Termination In Manhole Or Junction Box.....	923.38	
27 11 19 00-0139	EA	300 Pair Cable Termination In Manhole Or Junction Box.....	1,384.67	
27 11 19 00-0140	EA	400 Pair Cable Termination In Manhole Or Junction Box.....	1,741.53	
27 11 19 00-0141	EA	500 Pair Cable Termination In Manhole Or Junction Box.....	2,177.32	
27 11 19 00-0142	EA	750 Pair Cable Termination In Manhole Or Junction Box.....	3,265.96	
27 11 19 00-0143	EA	1,000 Pair Cable Termination In Manhole Or Junction Box.....	3,960.74	
27 11 19 00-0144	EA	1,200 Pair Cable Termination In Manhole Or Junction Box.....	4,514.19	

27 11 23 Communications Cable Management and Ladder Rack (27 11)

27 11 23 00-0001 Equipment Hardware, Racks And Patch Panels (27 11 23)

27 11 23 00-0002	EA	Wire Management Trough.....	23.49	4.11
27 11 23 00-0003	EA	19" Width, Horizontal Cable Manager.....	197.57	27.38
27 11 23 00-0004	EA	3" Channel Width, 84" Height, Vertical Cable Manager.....	162.26	20.56
27 11 23 00-0005	EA	6" Channel Width, 84" Height, Vertical Cable Manager.....	269.70	20.56
27 11 23 00-0006	EA	19" x 48" Vertical Cable Management Rack.....	202.28	41.18
27 11 23 00-0007	EA	19" x 60" Vertical Cable Management Rack.....	258.56	51.47
27 11 23 00-0008	EA	19" x 72" Vertical Cable Management Rack.....	313.90	67.95
27 11 23 00-0009	EA	19" x 84" Vertical Cable Management Rack.....	353.60	82.36
27 11 23 00-0010	EA	2" J-Hooks With Beam Clamps.....	12.23	2.72
27 11 23 00-0011	LF	Velcro CMP.....	1.98	0.82
27 11 23 00-0012	EA	12" x 5'-11" Tubular Runway.....	70.66	19.73
27 11 23 00-0013	EA	12" x 9'-11" Tubular Runway.....	121.94	32.89
27 11 23 00-0014	EA	Shelf Bracket Support For Tubular Runway.....	22.46	6.16
27 11 23 00-0015	EA	Straight Clamp Hardware For Tubular Runway.....	10.31	4.11
27 11 23 00-0016	EA	Corner Clamp Hardware For Tubular Runway.....	10.83	4.11
27 11 23 00-0017	EA	90 Degree Edge Clamp Hardware For Tubular Runway.....	23.88	7.40
27 11 23 00-0018	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	49.21	12.34
27 11 23 00-0019	EA	J-Bolt Hardware For Tubular Runway.....	9.55	1.80
27 11 23 00-0020	EA	T Bracket Hardware For Tubular Runway.....	26.18	10.27
27 11 23 00-0021	EA	Horizontal Cable Management Panel, Two Rack Space.....	65.08	10.27
27 11 23 00-0022	EA	Vertical Cable Management Center Panel.....	84.73	12.34
27 11 23 00-0023	EA	2" Wide Vertical Cable Management Bracket.....	13.88	4.11

27 14 Communications Cabling (27 10)

27 14 13 Communications Copper Cabling (27 14)

27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)

27 14 13 13-0001 Modular Plugs For Copper Communications Cable (27 14 13 13)

27 14 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable.....	18.50	
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-2.46	
		For >10, Deduct	-4.92	
27 14 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable.....	20.98	
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-2.77	
		For >10, Deduct	-5.54	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13-0004 Communications Termination Blocks <small>(27 14 13 13)</small>		
27 14 13 13-0005 EA 100-Pair, 110 Block With Legs.....	35.64	10.27
27 14 13 13-0006 EA 300-Pair, 110 Block With Legs.....	56.03	10.27
27 14 13 13-0007 EA Clear Label Holder For 110 Wiring Block.....	10.30	4.11
27 14 13 13-0008 EA 4-Pair, 110C Connecting Block.....	4.74	2.05
27 14 13 13-0009 EA 5-Pair, 110C Connecting Block.....	4.84	2.05
27 14 13 13-0010 EA 100-Pair, 110 Jack Panel System.....	160.09	12.34
27 14 13 13-0011 EA 300-Pair, 110 Jack Panel System.....	407.67	12.34
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0012 Testing And Certification Of Copper Communications Cable <small>(27 14 13 13)</small>		
Note: Use for existing systems.		
27 14 13 13-0013 PR Test 1-Pair Of A Copper Communications Cable For Continuity	4.11	
For >25-Pair, Deduct		
27 14 13 13-0014 PR Certify 1-Pair Of A Copper Communications Cable.....	6.57	
For >25-Pair, Deduct		
27 14 13 13-0015 PR Certify And Document 1-Pair Of A Copper Communications Cable	9.86	
For >25-Pair, Deduct		
27 14 13 13-0016 Building Entrance Terminals <small>(27 14 13 13)</small>		
27 14 13 13-0017 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,364.14	180.41
27 14 13 13-0018 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,859.53	300.69
27 14 13 13-0019 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,671.63	481.48
27 14 13 16 Communications Copper Cabling <small>(27 14 13)</small>		
27 14 13 16-0001 Copper Communications Cable <small>(27 14 13 16)</small>		
27 14 13 16-0002 Indoor Telecommunications Cable <small>(27 14 13 16-0001)</small>		
Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0003 Category 3, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0004 Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0003)</small>		
27 14 13 16-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0004)</small>		
27 14 13 16-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0005)</small>		
27 14 13 16-0007 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	655.86	345.35
27 14 13 16-0008 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	690.02	345.35
27 14 13 16-0009 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	701.97	345.35
27 14 13 16-0010 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	852.52	394.68
27 14 13 16-0011 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,103.59	394.68
27 14 13 16-0012 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,503.27	394.68
27 14 13 16-0013 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,422.67	493.35
27 14 13 16-0014 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,398.57	789.36
27 14 13 16-0015 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,990.92	888.03
27 14 13 16-0016 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	7,998.31	986.71
27 14 13 16-0017 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,710.05	1,381.39
27 14 13 16-0018 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,368.16	1,706.99
27 14 13 16-0019 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,980.10	2,368.08
27 14 13 16-0020 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	38,815.52	4,736.16
27 14 13 16-0021 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	52,668.80	7,104.25
27 14 13 16-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0005)</small>		
27 14 13 16-0023 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,231.43	690.69
27 14 13 16-0024 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,265.59	690.69
27 14 13 16-0025 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,277.54	690.69
27 14 13 16-0026 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,345.87	690.69
27 14 13 16-0027 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,596.94	690.69
27 14 13 16-0028 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,161.07	789.36
27 14 13 16-0029 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,244.92	986.71
27 14 13 16-0030 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,056.37	1,184.04
27 14 13 16-0031 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,730.95	1,332.04
27 14 13 16-0032 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	8,820.56	1,480.05
27 14 13 16-0033 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,861.20	2,072.07
27 14 13 16-0034 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	16,798.87	2,565.43
27 14 13 16-0035 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	25,953.50	3,552.12
27 14 13 16-0036 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	42,762.32	7,104.25
27 14 13 16-0037 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	58,589.01	10,656.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0038	22 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0004)</small>	
27 14 13 16-0039	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0038)</small>	
27 14 13 16-0040	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,457.53 394.68
27 14 13 16-0041	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,679.25 493.35
27 14 13 16-0042	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,741.28 789.36
27 14 13 16-0043	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	12,055.87 986.71
27 14 13 16-0044	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,838.40 1,381.39
27 14 13 16-0045	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,253.33 1,706.99
27 14 13 16-0046	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,331.19 2,368.08
27 14 13 16-0047	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0038)</small>	
27 14 13 16-0048	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,115.33 789.36
27 14 13 16-0049	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,501.50 986.71
27 14 13 16-0050	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,399.08 1,184.04
27 14 13 16-0051	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,878.12 1,480.05
27 14 13 16-0052	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	18,989.55 2,072.07
27 14 13 16-0053	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	24,684.04 2,565.43
27 14 13 16-0054	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	36,304.59 3,552.12
27 14 13 16-0055	Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0003)</small>	
27 14 13 16-0056	24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0055)</small>	
27 14 13 16-0057	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0056)</small>	
27 14 13 16-0058	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	678.07 345.35
27 14 13 16-0059	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	712.22 345.35
27 14 13 16-0060	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	736.13 345.35
27 14 13 16-0061	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	888.39 394.68
27 14 13 16-0062	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,149.71 394.68
27 14 13 16-0063	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,861.94 394.68
27 14 13 16-0064	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,141.74 493.35
27 14 13 16-0065	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,956.28 789.36
27 14 13 16-0066	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	10,372.46 986.71
27 14 13 16-0067	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,561.62 1,381.39
27 14 13 16-0068	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0056)</small>	
27 14 13 16-0069	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,253.64 690.69
27 14 13 16-0070	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,287.79 690.69
27 14 13 16-0071	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,311.70 690.69
27 14 13 16-0072	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,381.74 690.69
27 14 13 16-0073	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,643.06 690.69
27 14 13 16-0074	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,519.74 789.36
27 14 13 16-0075	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,963.99 986.71
27 14 13 16-0076	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,614.08 1,184.04
27 14 13 16-0077	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	11,194.71 1,480.05
27 14 13 16-0078	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	16,712.77 2,072.07
27 14 13 16-0079	Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>	
27 14 13 16-0080	Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0079)</small>	
27 14 13 16-0081	Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0080)</small>	
27 14 13 16-0082	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	763.46 345.35
27 14 13 16-0083	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	807.59 345.35
27 14 13 16-0084	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	890.67 394.68
27 14 13 16-0085	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	935.06 394.68
27 14 13 16-0086	Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0080)</small>	
27 14 13 16-0087	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,339.03 690.69
27 14 13 16-0088	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,383.16 690.69
27 14 13 16-0089	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,548.47 789.36
27 14 13 16-0090	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,592.86 789.36
27 14 13 16-0091	Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0079)</small>	
27 14 13 16-0092	Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0091)</small>	
27 14 13 16-0093	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	910.35 345.35



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0094 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,321.51	394.68
27 14 13 16-0095 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0091)</small>		
27 14 13 16-0096 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,485.92	690.69
27 14 13 16-0097 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,979.31	789.36
27 14 13 16-0098 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0099 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0098)</small>		
27 14 13 16-0100 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0099)</small>		
27 14 13 16-0101 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	872.77	345.35
27 14 13 16-0102 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	906.00	345.35
27 14 13 16-0103 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0099)</small>		
27 14 13 16-0104 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,448.34	690.69
27 14 13 16-0105 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,481.57	690.69
27 14 13 16-0106 Category 6, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0098)</small>		
27 14 13 16-0107 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0106)</small>		
27 14 13 16-0108 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,180.22	345.35
27 14 13 16-0109 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0108)</small>		
27 14 13 16-0110 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,755.79	690.69
27 14 13 16-0111 Category 6a, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0112 Category 6a, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0111)</small>		
27 14 13 16-0113 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0112)</small>		
27 14 13 16-0114 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit.....	925.86	345.35
27 14 13 16-0115 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0112)</small>		
27 14 13 16-0116 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	1,501.43	690.69
27 14 13 16-0117 Category 6a, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0111)</small>		
27 14 13 16-0118 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0117)</small>		
27 14 13 16-0119 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,337.36	345.35
27 14 13 16-0120 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0117)</small>		
27 14 13 16-0121 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,912.93	690.69
27 14 13 16-0122 Category 7, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0123 Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0122)</small>		
27 14 13 16-0124 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,008.16	394.68
27 14 13 16-0125 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,954.12	394.68
27 14 13 16-0126 Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 14 13 16-0122)</small>		
27 14 13 16-0127 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,665.96	789.36
27 14 13 16-0128 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,611.92	789.36
27 14 13 16-0129 Outdoor Telecommunications Cable <small>(27 14 13 16-0001)</small> Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0130 PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0129)</small> Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0131 24 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0130)</small>		
27 14 13 16-0132 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0131)</small>		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0133 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,469.20	690.69
27 14 13 16-0134 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,603.72	690.69
27 14 13 16-0135 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,893.51	690.69
27 14 13 16-0136 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,445.58	690.69
27 14 13 16-0137 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,994.31	690.69
27 14 13 16-0138 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,544.31	690.69
27 14 13 16-0139 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,021.23	888.03
27 14 13 16-0140 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,834.55	1,282.71
27 14 13 16-0141 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,689.68	1,677.39
27 14 13 16-0142 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,869.30	2,269.41
27 14 13 16-0143 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,770.43	4,538.83
27 14 13 16-0144 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,599.12	6,709.57
27 14 13 16-0145 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0131)</small>		
27 14 13 16-0146 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,222.53	
27 14 13 16-0147 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,357.05	
27 14 13 16-0148 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,646.84	
27 14 13 16-0149 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,198.91	
27 14 13 16-0150 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,747.64	
27 14 13 16-0151 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,297.64	
27 14 13 16-0152 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,856.78	
27 14 13 16-0153 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,341.20	
27 14 13 16-0154 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,661.86	
27 14 13 16-0155 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,060.35	
27 14 13 16-0156 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	20,836.94	
27 14 13 16-0157 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	28,363.30	
27 14 13 16-0158 22 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0130)</small>		
27 14 13 16-0159 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0159)</small>		
27 14 13 16-0160 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,554.72	690.69
27 14 13 16-0161 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,763.50	690.69
27 14 13 16-0162 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,220.57	690.69
27 14 13 16-0163 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,027.71	690.69
27 14 13 16-0164 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,904.01	690.69
27 14 13 16-0165 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,781.02	690.69
27 14 13 16-0166 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,407.02	888.03
27 14 13 16-0167 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,237.16	1,282.71
27 14 13 16-0168 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,276.70	1,677.39
27 14 13 16-0169 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	23,879.68	2,269.41
27 14 13 16-0170 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,886.88	4,538.83
27 14 13 16-0171 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	50,734.26	6,709.57
27 14 13 16-0172 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0159)</small>		
27 14 13 16-0173 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,308.05	
27 14 13 16-0174 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,516.83	
27 14 13 16-0175 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,973.90	
27 14 13 16-0176 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,781.04	
27 14 13 16-0177 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,657.34	
27 14 13 16-0178 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,534.35	
27 14 13 16-0179 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,242.57	
27 14 13 16-0180 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,743.81	
27 14 13 16-0181 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,248.88	
27 14 13 16-0182 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	22,070.73	
27 14 13 16-0183 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	30,953.39	
27 14 13 16-0184 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	43,498.44	
27 14 13 16-0185 19 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0130)</small>		
27 14 13 16-0186 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0185)</small>		
27 14 13 16-0187 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,228.82	690.69
27 14 13 16-0188 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,998.51	690.69
27 14 13 16-0189 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,409.70	690.69
27 14 13 16-0190 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,684.61	690.69
27 14 13 16-0191 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0185)</small>		
27 14 13 16-0192 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,982.15	
27 14 13 16-0193 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,751.84	
27 14 13 16-0194 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,163.03	
27 14 13 16-0195 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,437.94	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0196 PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0129)</small> Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0197 24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0196)</small>		
27 14 13 16-0198 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0197)</small>		
27 14 13 16-0199 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,481.22	690.69
27 14 13 16-0200 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,645.80	690.69
27 14 13 16-0201 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,977.83	690.69
27 14 13 16-0202 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,575.74	690.69
27 14 13 16-0203 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,788.40	690.69
27 14 13 16-0204 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,579.46	888.03
27 14 13 16-0205 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,596.00	1,282.71
27 14 13 16-0206 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,617.51	1,677.39
27 14 13 16-0207 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,224.00	2,269.41
27 14 13 16-0208 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,522.39	4,538.83
27 14 13 16-0209 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,143.00	6,709.57
27 14 13 16-0210 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0197)</small>		
27 14 13 16-0211 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,234.55	
27 14 13 16-0212 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,399.13	
27 14 13 16-0213 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,731.16	
27 14 13 16-0214 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,329.07	
27 14 13 16-0215 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,541.73	
27 14 13 16-0216 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,415.01	
27 14 13 16-0217 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,102.65	
27 14 13 16-0218 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	11,589.69	
27 14 13 16-0219 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,415.05	
27 14 13 16-0220 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,588.90	
27 14 13 16-0221 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	32,907.18	
27 14 13 16-0222 22 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0196)</small>		
27 14 13 16-0223 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0222)</small>		
27 14 13 16-0224 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,576.37	690.69
27 14 13 16-0225 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,818.21	690.69
27 14 13 16-0226 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,332.85	690.69
27 14 13 16-0227 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,279.62	690.69
27 14 13 16-0228 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,255.39	690.69
27 14 13 16-0229 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,402.64	888.03
27 14 13 16-0230 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,763.36	1,282.71
27 14 13 16-0231 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,657.85	1,677.39
27 14 13 16-0232 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,609.26	2,269.41
27 14 13 16-0233 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,480.84	4,538.83
27 14 13 16-0234 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0222)</small>		
27 14 13 16-0235 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,329.70	
27 14 13 16-0236 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,571.54	
27 14 13 16-0237 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,086.18	
27 14 13 16-0238 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,032.95	
27 14 13 16-0239 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,008.72	
27 14 13 16-0240 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,238.19	
27 14 13 16-0241 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,270.01	
27 14 13 16-0242 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,630.03	
27 14 13 16-0243 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,800.31	
27 14 13 16-0244 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,547.35	
27 14 13 16-0245 19 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0196)</small>		
27 14 13 16-0246 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0245)</small>		
27 14 13 16-0247 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,472.91	690.69
27 14 13 16-0248 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,393.07	690.69
27 14 13 16-0249 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,374.81	690.69
27 14 13 16-0250 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0245)</small>		
27 14 13 16-0251 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,226.24	
27 14 13 16-0252 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,146.40	
27 14 13 16-0253 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,128.14	
27 14 13 16-0254 (Aerial) Outdoor Telecommunications Cable <small>(27 14 13 16-0129)</small> Note: Includes support wire.		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0255 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ⁽²⁷		
^{14 13 16-0254)}		
27 14 13 16-0256 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,542.83	1,410.16
27 14 13 16-0257 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,679.76	1,410.16
27 14 13 16-0258 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,019.75	1,410.16
27 14 13 16-0259 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,649.22	1,410.16
27 14 13 16-0260 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,865.05	1,410.16
27 14 13 16-0261 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,632.95	1,551.17
27 14 13 16-0262 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,415.91	1,692.19
27 14 13 16-0263 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ⁽²⁷		
^{14 13 16-0254)}		
27 14 13 16-0264 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,706.66	1,410.16
27 14 13 16-0265 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,908.97	1,410.16
27 14 13 16-0266 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,396.27	1,410.16
27 14 13 16-0267 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,358.96	1,410.16
27 14 13 16-0268 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,686.49	1,410.16
27 14 13 16-0269 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,741.02	1,551.17
27 14 13 16-0270 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ⁽²⁷		
^{14 13 16-0254)}		
27 14 13 16-0271 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,923.25	1,410.16
27 14 13 16-0272 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,380.78	1,410.16
27 14 13 16-0273 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,280.35	1,410.16
27 14 13 16-0274 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,079.51	1,410.16
27 14 13 16-0275 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,903.47	1,410.16
27 14 13 16-0276 Solid Conductor Low Voltage Cable ^(27 14 13 16)		
27 14 13 16-0277 Low Voltage Cable, Pulled In Conduit ^(27 14 13 16-0276)		
27 14 13 16-0278 #12 AWG Low Voltage Cable, Pulled In Conduit ^(27 14 13 16-0277)		
27 14 13 16-0279 MLF 1 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,046.72	744.20
For #10 AWG, Add	514.16	
For Installation On Exposed Surface, Deduct	-248.09	
27 14 13 16-0280 MLF 2 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,772.42	770.51
For #10 AWG, Add	747.91	
For Installation On Exposed Surface, Deduct	-256.91	
27 14 13 16-0281 MLF 3 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,401.81	797.58
For #10 AWG, Add	949.84	
For Installation On Exposed Surface, Deduct	-265.78	
27 14 13 16-0282 MLF 4 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,069.54	824.64
For #10 AWG, Add	1,164.22	
For Installation On Exposed Surface, Deduct	-274.96	
27 14 13 16-0283 MLF 5 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,747.29	880.26
For #10 AWG, Add	1,375.83	
For Installation On Exposed Surface, Deduct	-293.51	
27 14 13 16-0284 MLF 6 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,357.50	935.13
For #10 AWG, Add	1,565.31	
For Installation On Exposed Surface, Deduct	-311.79	
27 14 13 16-0285 MLF 8 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,743.73	1,046.39
For #10 AWG, Add	1,668.76	
For Installation On Exposed Surface, Deduct	-348.73	
27 14 13 16-0286 MLF 12 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	7,631.98	1,379.40
For #10 AWG, Add	2,219.74	
For Installation On Exposed Surface, Deduct	-459.71	
27 14 13 16-0287 MLF 24 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	11,394.52	2,037.16
For #10 AWG, Add	3,318.92	
For Installation On Exposed Surface, Deduct	-678.88	
27 14 13 16-0288 #14 AWG Low Voltage Cable, Pulled In Conduit ^(27 14 13 16-0277)		
27 14 13 16-0289 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,754.62	650.99
For Installation On Exposed Surface, Deduct	-216.95	
27 14 13 16-0290 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,359.98	674.29
For Installation On Exposed Surface, Deduct	-224.76	
27 14 13 16-0291 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,885.15	697.60
For Installation On Exposed Surface, Deduct	-232.58	
27 14 13 16-0292 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,441.65	721.65
For Installation On Exposed Surface, Deduct	-240.55	
27 14 13 16-0293 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,008.90	770.51
For Installation On Exposed Surface, Deduct	-256.79	
27 14 13 16-0294 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,519.58	818.62
For Installation On Exposed Surface, Deduct	-272.72	
27 14 13 16-0295 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,849.40	915.59
For Installation On Exposed Surface, Deduct	-305.20	
27 14 13 16-0296 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	6,442.07	1,206.50
For Installation On Exposed Surface, Deduct	-402.17	
27 14 13 16-0297 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	9,617.62	1,782.32
For Installation On Exposed Surface, Deduct	-594.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0298				#16 AWG Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0277)</small>		
27 14 13 16-0299	MLF			1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 1,558.87		581.07
				<i>For Installation On Exposed Surface, Deduct</i> -193.79		
27 14 13 16-0300	MLF			2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 2,388.30		602.13
				<i>For Installation On Exposed Surface, Deduct</i> -200.71		
27 14 13 16-0301	MLF			3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 2,943.55		623.17
				<i>For Installation On Exposed Surface, Deduct</i> -207.62		
27 14 13 16-0302	MLF			4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 3,187.34		644.22
				<i>For Installation On Exposed Surface, Deduct</i> -214.84		
27 14 13 16-0303	MLF			5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 4,262.08		687.82
				<i>For Installation On Exposed Surface, Deduct</i> -229.27		
27 14 13 16-0304	MLF			6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 4,679.68		730.67
				<i>For Installation On Exposed Surface, Deduct</i> -243.56		
27 14 13 16-0305	MLF			7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 5,513.45		774.27
				<i>For Installation On Exposed Surface, Deduct</i> -257.99		
27 14 13 16-0306	MLF			8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 6,347.99		817.87
				<i>For Installation On Exposed Surface, Deduct</i> -272.57		
27 14 13 16-0307	MLF			9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 6,955.11		869.73
				<i>For Installation On Exposed Surface, Deduct</i> -289.86		
27 14 13 16-0308	MLF			25 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 11,785.73		1,629.72
				<i>For Installation On Exposed Surface, Deduct</i> -543.11		
27 14 13 16-0309				#18 AWG Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0277)</small>		
27 14 13 16-0310	MLF			1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 1,578.06		511.92
				<i>For Installation On Exposed Surface, Deduct</i> -170.49		
27 14 13 16-0311	MLF			2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 2,262.49		529.96
				<i>For Installation On Exposed Surface, Deduct</i> -176.65		
27 14 13 16-0312	MLF			3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 2,819.52		548.00
				<i>For Installation On Exposed Surface, Deduct</i> -182.82		
27 14 13 16-0313	MLF			4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 3,019.28		566.80
				<i>For Installation On Exposed Surface, Deduct</i> -188.98		
27 14 13 16-0314	MLF			5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 4,211.05		605.13
				<i>For Installation On Exposed Surface, Deduct</i> -201.76		
27 14 13 16-0315	MLF			6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 4,844.03		642.71
				<i>For Installation On Exposed Surface, Deduct</i> -214.39		
27 14 13 16-0316	MLF			8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 5,436.35		719.39
				<i>For Installation On Exposed Surface, Deduct</i> -239.80		
27 14 13 16-0317	MLF			12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 7,046.99		947.92
				<i>For Installation On Exposed Surface, Deduct</i> -316.02		
27 14 13 16-0318	MLF			24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 11,335.01		1,400.45
				<i>For Installation On Exposed Surface, Deduct</i> -466.82		
27 14 13 16-0319				#20 AWG Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0277)</small>		
27 14 13 16-0320	MLF			1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 1,079.67		465.32
				<i>For Installation On Exposed Surface, Deduct</i> -155.00		
27 14 13 16-0321	MLF			2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 1,484.13		481.85
				<i>For Installation On Exposed Surface, Deduct</i> -160.57		
27 14 13 16-0322	MLF			4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 2,086.12		515.68
				<i>For Installation On Exposed Surface, Deduct</i> -171.84		
27 14 13 16-0323	MLF			6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 2,514.04		584.83
				<i>For Installation On Exposed Surface, Deduct</i> -194.84		
27 14 13 16-0324	MLF			8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 2,942.80		653.99
				<i>For Installation On Exposed Surface, Deduct</i> -218.00		
27 14 13 16-0325	MLF			12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 4,261.44		862.22
				<i>For Installation On Exposed Surface, Deduct</i> -287.31		
27 14 13 16-0326	MLF			24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 6,539.48		1,273.41
				<i>For Installation On Exposed Surface, Deduct</i> -424.42		
27 14 13 16-0327	MLF			25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 7,088.35		1,303.48
				<i>For Installation On Exposed Surface, Deduct</i> -434.49		
27 14 13 16-0328	MLF			36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 8,553.23		1,517.72
				<i>For Installation On Exposed Surface, Deduct</i> -505.91		
27 14 13 16-0329	MLF			40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 9,188.34		1,624.46
				<i>For Installation On Exposed Surface, Deduct</i> -541.53		
27 14 13 16-0330	MLF			50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 10,722.68		2,030.39
				<i>For Installation On Exposed Surface, Deduct</i> -676.69		
27 14 13 16-0331	MLF			100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable 14,840.34		2,673.10
				<i>For Installation On Exposed Surface, Deduct</i> -890.93		
27 14 13 16-0332				Triad <small>(27 14 13 16-0277)</small>		
27 14 13 16-0333	MLF			1 Triad #16..... 3,226.04		623.17
27 14 13 16-0334	MLF			4 Triad #20..... 4,067.57		862.22
27 14 13 16-0335	MLF			8 Triad #20..... 6,553.33		1,273.41
27 14 13 16-0336	MLF			12 Triad #20..... 8,345.52		1,517.72
27 14 13 16-0337	MLF			24 Triad #20..... 14,027.44		2,351.37
27 14 13 16-0338	MLF			36 Triad #20..... 16,225.10		2,673.10

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0339			Low Voltage Cable Buried In Trench (27 14 13 16-0276) Note: Excludes excavation.		
27 14 13 16-0340	MLF	1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,373.28		
27 14 13 16-0341	MLF	2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,423.82		
27 14 13 16-0342	MLF	3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,683.69		
27 14 13 16-0343	MLF	4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,804.57		
27 14 13 16-0344	MLF	5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,023.48		
27 14 13 16-0345	MLF	6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,125.32		
27 14 13 16-0346			Low Voltage Cable Installed On Poles, Aerially (27 14 13 16-0276)		
27 14 13 16-0347	MLF	1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,449.87		411.33
27 14 13 16-0348	MLF	2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,542.82		440.68
27 14 13 16-0349	MLF	3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,075.27		557.10
27 14 13 16-0350	MLF	4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,390.45		644.35
27 14 13 16-0351	MLF	5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,772.79		734.43
27 14 13 16-0352	MLF	6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,341.14		938.29
27 14 13 16-0353			Non-Shielded Low Voltage Cable Pulled In Conduit (27 14 13 16-0276)		
27 14 13 16-0354	MLF	4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,487.60		721.65
		<i>For Installation On Exposed Surface, Deduct</i>	-240.55		
27 14 13 16-0355	MLF	8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,849.40		915.59
		<i>For Installation On Exposed Surface, Deduct</i>	-305.20		
27 14 13 16-0356	MLF	12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,442.07		1,206.50
		<i>For Installation On Exposed Surface, Deduct</i>	-402.17		
27 14 13 16-0357	MLF	24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	9,617.62		1,782.32
		<i>For Installation On Exposed Surface, Deduct</i>	-594.16		
27 14 13 16-0358	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,370.54		581.07
		<i>For Installation On Exposed Surface, Deduct</i>	-193.79		
27 14 13 16-0359	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,723.61		602.13
		<i>For Installation On Exposed Surface, Deduct</i>	-200.71		
27 14 13 16-0360	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,924.36		623.17
		<i>For Installation On Exposed Surface, Deduct</i>	-207.62		
27 14 13 16-0361	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,209.70		644.22
		<i>For Installation On Exposed Surface, Deduct</i>	-214.84		
27 14 13 16-0362	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,502.68		687.07
		<i>For Installation On Exposed Surface, Deduct</i>	-229.12		
27 14 13 16-0363	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,796.41		730.67
		<i>For Installation On Exposed Surface, Deduct</i>	-243.56		
27 14 13 16-0364	MLF	7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,200.91		774.27
		<i>For Installation On Exposed Surface, Deduct</i>	-257.99		
27 14 13 16-0365	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,523.08		817.87
		<i>For Installation On Exposed Surface, Deduct</i>	-272.57		
27 14 13 16-0366	MLF	9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,969.49		869.73
		<i>For Installation On Exposed Surface, Deduct</i>	-289.85		
27 14 13 16-0367	MLF	25 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,360.98		1,591.38
		<i>For Installation On Exposed Surface, Deduct</i>	-530.56		
27 14 13 16-0368	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,193.79		511.16
		<i>For Installation On Exposed Surface, Deduct</i>	-170.49		
27 14 13 16-0369	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,495.33		529.96
		<i>For Installation On Exposed Surface, Deduct</i>	-176.65		
27 14 13 16-0370	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,667.40		548.75
		<i>For Installation On Exposed Surface, Deduct</i>	-182.82		
27 14 13 16-0371	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,910.09		566.80
		<i>For Installation On Exposed Surface, Deduct</i>	-188.98		
27 14 13 16-0372	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,162.30		605.13
		<i>For Installation On Exposed Surface, Deduct</i>	-201.76		
27 14 13 16-0373	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,413.78		643.47
		<i>For Installation On Exposed Surface, Deduct</i>	-214.39		
27 14 13 16-0374	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,035.18		719.39
		<i>For Installation On Exposed Surface, Deduct</i>	-239.80		
27 14 13 16-0375	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,909.26		947.92
		<i>For Installation On Exposed Surface, Deduct</i>	-316.02		
27 14 13 16-0376	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,865.21		1,400.45
		<i>For Installation On Exposed Surface, Deduct</i>	-466.82		
27 14 13 16-0377	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,015.97		465.32
		<i>For Installation On Exposed Surface, Deduct</i>	-155.00		
27 14 13 16-0378	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,273.65		481.85
		<i>For Installation On Exposed Surface, Deduct</i>	-160.57		
27 14 13 16-0379	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,787.01		515.68
		<i>For Installation On Exposed Surface, Deduct</i>	-171.84		
27 14 13 16-0380	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,890.18		653.99
		<i>For Installation On Exposed Surface, Deduct</i>	-218.00		
27 14 13 16-0381	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,569.06		862.22
		<i>For Installation On Exposed Surface, Deduct</i>	-287.31		
27 14 13 16-0382	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,445.52		1,273.41
		<i>For Installation On Exposed Surface, Deduct</i>	-424.42		
27 14 13 16-0383	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,049.78		1,303.48
		<i>For Installation On Exposed Surface, Deduct</i>	-434.49		
27 14 13 16-0384	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,930.09		1,517.72
		<i>For Installation On Exposed Surface, Deduct</i>	-505.91		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0385 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	8,357.49 -541.53	1,624.46
27 14 13 16-0386 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	11,138.11 -676.69	2,030.39
27 14 13 16-0387 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	14,424.91 -890.93	2,673.10
27 14 13 16-0388 MLF 1 Single #16 TC <i>For Installation On Exposed Surface, Deduct</i>	1,245.91 -193.79	581.07
27 14 13 16-0389 MLF 24 Single #16 TC <i>For Installation On Exposed Surface, Deduct</i>	5,457.58 -530.41	1,591.38
27 14 13 16-0390 MLF 3 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	1,722.34 -232.58	697.60
27 14 13 16-0391 MLF 4 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	1,889.59 -240.55	721.65
27 14 13 16-0392 MLF 6 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	2,402.18 -272.72	818.62
27 14 13 16-0393 MLF 7 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	2,588.61 -288.96	866.72
27 14 13 16-0394 MLF 9 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	3,694.61 -452.00	904.01
27 14 13 16-0395 MLF 12 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	4,018.74 -402.17	1,206.50
27 14 13 16-0396 MLF 24 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	6,778.87 -594.16	1,782.32
27 14 13 16-0397 MLF 37 Single #14 TC <i>For Installation On Exposed Surface, Deduct</i>	9,795.24 -716.09	2,148.40
27 14 13 16-0398 MLF 3 Single #12 TC <i>For Installation On Exposed Surface, Deduct</i>	2,067.94 -257.39	772.76
27 14 13 16-0399 MLF 3 Single #10 TC <i>For Installation On Exposed Surface, Deduct</i>	2,569.39 -282.35	847.18

27 14 13 16-0400 Plenum Rated Low Voltage Cable (27 14 13 16-0276)

27 14 13 16-0401 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,646.60	581.07
27 14 13 16-0402 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,596.01	602.13
27 14 13 16-0403 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	3,229.36	623.17
27 14 13 16-0404 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	3,504.31	644.22
27 14 13 16-0405 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	4,729.43	687.07
27 14 13 16-0406 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	5,198.96	730.67
27 14 13 16-0407 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	7,095.76	817.87
27 14 13 16-0408 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	8,442.08	1,077.21
27 14 13 16-0409 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	13,083.49	1,591.38
27 14 13 16-0410 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,364.30	511.16
27 14 13 16-0411 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,137.22	529.96
27 14 13 16-0412 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,757.26	548.75
27 14 13 16-0413 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	3,007.81	566.80
27 14 13 16-0414 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	4,046.17	605.13
27 14 13 16-0415 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	4,766.22	643.47
27 14 13 16-0416 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	5,426.73	719.39
27 14 13 16-0417 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	6,899.20	947.92
27 14 13 16-0418 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	11,717.32	1,400.45
27 14 13 16-0419 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,125.36	465.32
27 14 13 16-0420 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,586.33	481.85
27 14 13 16-0421 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,029.93	498.39
27 14 13 16-0422 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,270.15	515.68
27 14 13 16-0423 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,539.68	550.26
27 14 13 16-0424 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,872.03	584.83
27 14 13 16-0425 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	3,220.72	653.99
27 14 13 16-0426 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	4,685.17	862.22
27 14 13 16-0427 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	7,340.56	1,273.41
27 14 13 16-0428 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	7,979.44	1,303.48
27 14 13 16-0429 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	9,623.87	1,517.72
27 14 13 16-0430 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	10,363.66	1,624.46
27 14 13 16-0431 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	12,053.67	2,030.39
27 14 13 16-0432 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	16,723.83	2,673.10
27 14 13 16-0433 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	34,085.78	4,923.74
27 14 13 16-0434 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	56,670.90	6,515.88
27 14 13 16-0435 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	78,981.71	8,211.00
27 14 13 16-0436 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	113,045.88	11,262.97
27 14 13 16-0437 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	999.14	465.32
27 14 13 16-0438 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,304.00	481.85
27 14 13 16-0439 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,597.82	498.39
27 14 13 16-0440 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,761.75	515.68
27 14 13 16-0441 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	1,955.03	550.26
27 14 13 16-0442 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,188.20	584.83
27 14 13 16-0443 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	2,452.95	653.99
27 14 13 16-0444 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	3,514.62	862.22
27 14 13 16-0445 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	5,460.24	1,273.41
27 14 13 16-0446 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	5,887.06	1,303.48
27 14 13 16-0447 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	7,081.56	1,517.72
27 14 13 16-0448 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	7,605.02	1,624.46
27 14 13 16-0449 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated	8,929.58	2,030.39



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 13 16-0450	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	12,302.98	2,673.10
27 14 13 16-0451	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	24,730.09	4,923.74
27 14 13 16-0452	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	40,153.27	6,515.88
27 14 13 16-0453	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	55,437.64	8,211.00
27 14 13 16-0454	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated.....	79,055.69	11,262.97

27 14 13 16-0455 Non-Shielded Plenum Rated Low Voltage Cable (27 14 13 16-0276)

27 14 13 16-0456	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,430.78	581.07
27 14 13 16-0457	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,831.63	602.13
27 14 13 16-0458	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,057.30	623.17
27 14 13 16-0459	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,379.28	644.22
27 14 13 16-0460	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,706.99	687.07
27 14 13 16-0461	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,033.20	730.67
27 14 13 16-0462	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,847.12	817.87
27 14 13 16-0463	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,948.94	1,077.21
27 14 13 16-0464	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,430.22	1,591.38
27 14 13 16-0465	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,245.00	511.16
27 14 13 16-0466	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,587.14	529.96
27 14 13 16-0467	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,780.39	548.75
27 14 13 16-0468	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,054.88	566.80
27 14 13 16-0469	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,335.34	605.13
27 14 13 16-0470	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,615.07	643.47
27 14 13 16-0471	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,310.61	719.39
27 14 13 16-0472	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,260.24	947.92
27 14 13 16-0473	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,394.88	1,400.45
27 14 13 16-0474	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,052.11	465.32
27 14 13 16-0475	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,344.27	481.85
27 14 13 16-0476	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,534.52	498.39
27 14 13 16-0477	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,917.87	515.68
27 14 13 16-0478	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,197.45	550.26
27 14 13 16-0479	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,829.13	584.83
27 14 13 16-0480	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,160.20	653.99
27 14 13 16-0481	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,888.94	862.22
27 14 13 16-0482	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,944.03	1,273.41
27 14 13 16-0483	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,423.17	1,303.48
27 14 13 16-0484	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,738.55	1,517.72
27 14 13 16-0485	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	8,311.86	1,624.46
27 14 13 16-0486	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	9,730.04	2,030.39
27 14 13 16-0487	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	13,435.69	2,673.10
27 14 13 16-0488	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	27,130.31	4,923.74
27 14 13 16-0489	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	44,389.14	6,515.88
27 14 13 16-0490	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	61,476.90	8,211.00
27 14 13 16-0491	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	87,772.61	11,262.22
27 14 13 16-0492	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	952.26	465.32
27 14 13 16-0493	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,149.18	481.85
27 14 13 16-0494	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,280.92	498.39
27 14 13 16-0495	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,536.41	515.68
27 14 13 16-0496	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,736.11	550.26
27 14 13 16-0497	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,160.78	584.83
27 14 13 16-0498	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,414.27	653.99
27 14 13 16-0499	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,005.29	862.22
27 14 13 16-0500	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,566.90	1,273.41
27 14 13 16-0501	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,891.55	1,303.48
27 14 13 16-0502	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,861.61	1,517.72
27 14 13 16-0503	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,292.54	1,624.46
27 14 13 16-0504	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,443.22	2,030.39
27 14 13 16-0505	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	10,199.62	2,673.10
27 14 13 16-0506	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	20,281.29	4,923.74
27 14 13 16-0507	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	32,297.71	6,515.88
27 14 13 16-0508	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	44,243.07	8,211.00
27 14 13 16-0509	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	62,892.93	11,262.97

27 14 13 16-0510 Sound System Cables (27 14 13 16-0276)

Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.

27 14 13 16-0511	MLF	2/c #18 AWG, Stranded Copper Conductor, Speakers.....	849.06	95.92
27 14 13 16-0512	MLF	2/c #16 AWG, Stranded Copper Conductor, Speakers.....	952.48	100.73
27 14 13 16-0513	MLF	2/c #22 AWG, Shielded, Stranded Copper Conductor, Microphone.....	620.35	76.68
27 14 13 16-0514	MLF	4/c #22 AWG, 2 Shielded, 2 Unshielded, Stranded Copper Conductor, Microphone.....	685.04	80.59
27 14 13 16-0515	MLF	2/c #20 AWG, Shielded, Stranded Copper Conductors, Microphone.....	779.12	91.11
27 14 13 16-0516	MLF	4/c #20 AWG, 2 Shielded, 2 Unshielded, Stranded Copper Conductor, Microphone.....	885.15	100.43

27 14 23 Communications Optical Fiber Cabling (27 14)

27 14 23 13 Communications Optical Fiber Splicing And Terminations (27 14 23)

27 14 23 13-0001 Fiber Optic Cable Connectors (27 14 23 13)

27 14 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable.....	23.48
27 14 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable.....	26.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable.....	26.07	
27 14 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable.....	30.52	
27 14 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable.....	35.54	
27 14 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable.....	36.58	
27 14 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable.....	52.68	
27 14 23 13-0009 Fiber Optic Cable Fan Out Kits (27 14 23 13)		
27 14 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)		
27 14 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	191.33	
27 14 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	195.02	
27 14 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	236.68	
27 14 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	272.86	
27 14 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	237.86	
27 14 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	265.03	
27 14 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	364.95	
27 14 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	474.35	
27 14 23 13-0020 Fiber Optic Cable Splice Closures (27 14 23 13)		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	520.71	82.23
27 14 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	685.16	164.45
27 14 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	685.16	164.45
27 14 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	843.07	82.23
27 14 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,007.52	164.45
27 14 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,007.52	164.45
27 14 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure.....	38.52	10.27
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0028 Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0029 EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	24.67	
27 14 23 13-0030 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	82.23	
27 14 23 13-0031 Fiber Optic Cable Testing (27 14 23 13)		
Note: Price based on testing one wavelength.		
27 14 23 13-0032 Fiber Optic Cable Testing Using An OTDR (27 14 23 13-0031)		
Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	16.45	
For >12 To 48 Strands, Deduct		-1.23
For >48 Strands, Deduct		-1.65
27 14 23 13-0034 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	24.67	
For >12 To 48 Strands, Deduct		-1.85
For >48 Strands, Deduct		-2.47
27 14 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	41.11	
For >12 To 48 Strands, Deduct		-3.08
For >48 Strands, Deduct		-4.11
27 14 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	61.67	
For >12 To 48 Strands, Deduct		-4.63
For >48 Strands, Deduct		-6.17
27 14 23 13-0037 Fiber Optic Cable Testing Using A Power Meter (27 14 23 13-0031)		
27 14 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	16.45	
For >12 To 48 Strands, Deduct		-1.23
For >48 Strands, Deduct		-1.65
27 14 23 13-0039 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	24.67	
For >12 To 48 Strands, Deduct		-1.85
For >48 Strands, Deduct		-2.47
27 14 23 13-0040 Fiber Optic Cable Light Source/Continuity Testing (27 14 23 13-0031)		
27 14 23 13-0041 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	16.45	
For >12 To 48 Strands, Deduct		-1.23
For >48 Strands, Deduct		-1.65
27 14 23 13-0042 Other Fiber Optic Cable Equipment (27 14 23 13)		
27 14 23 13-0043 EA 8 Port Ethernet Switch.....	588.35	161.76
27 14 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHz Band, 18 Degree Beamwidth.....	792.29	161.76
Note: Patch antenna with 1 meter 3' SMA-N cable		
27 14 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge.....	17,361.73	161.76
Note: 8VDC input		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	183.30	20.26
27 14 23 13-0047 EA Hardened Ethernet Switch	1,866.00	80.98
27 14 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station.....	48,238.63	1,943.55
27 14 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station.....	60,006.11	2,591.41
27 14 23 13-0050 EA Fiber Break Out Box For 24 Fiber.....	852.80	161.96
27 14 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	923.55	80.98
27 14 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	780.75	80.98
27 14 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input.....	1,004.53	121.47
27 14 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems).....	740.33	
27 14 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.....	740.33	
27 14 23 13-0056 Other Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0057 EA Fiber Optic Finger Splice	27.85	15.45
27 14 23 13-0058 EA Fiber Optic Splice Box - Manholes.....	4,123.15	
27 14 23 16 Communications Optical Fiber Cabling (27 14 23)		
27 14 23 16-0001 Indoor Fiber Optic Cable (27 14 23 16) Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Excludes conduit or innerduct.		
27 14 23 16-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	778.93	296.01
27 14 23 16-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	864.99	296.01
27 14 23 16-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	893.73	296.01
27 14 23 16-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	996.07	296.01
<i>For Aluminum Armored Cable, Add</i>	1,256.73	
<i>For Steel Armored Cable, Add</i>	1,334.92	
27 14 23 16-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,025.41	296.01
27 14 23 16-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,202.77	296.01
<i>For Aluminum Armored Cable, Add</i>	1,299.62	
<i>For Steel Armored Cable, Add</i>	1,386.56	
27 14 23 16-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,143.45	345.35
27 14 23 16-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,090.88	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,625.95	
<i>For Steel Armored Cable, Add</i>	1,592.41	
27 14 23 16-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,810.92	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,714.06	
<i>For Steel Armored Cable, Add</i>	1,525.17	
27 14 23 16-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,950.57	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,798.39	
<i>For Steel Armored Cable, Add</i>	1,598.36	
27 14 23 16-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,831.24	345.35
27 14 23 16-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,065.43	345.35
27 14 23 16-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,297.31	345.35
27 14 23 16-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,497.17	394.68
27 14 23 16-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,177.04	394.68
27 14 23 16-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	803.71	296.01
27 14 23 16-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	907.04	296.01
27 14 23 16-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,046.47	296.01
27 14 23 16-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,272.76	296.01
<i>For Aluminum Armored Cable, Add</i>	1,236.71	
<i>For Steel Armored Cable, Add</i>	1,311.34	
27 14 23 16-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,384.74	296.01
27 14 23 16-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,815.44	296.01
<i>For Aluminum Armored Cable, Add</i>	1,268.92	
<i>For Steel Armored Cable, Add</i>	1,351.92	
27 14 23 16-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,599.34	345.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,096.67	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,778.52	
<i>For Steel Armored Cable, Add</i>	1,746.52	
27 14 23 16-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,259.54	345.35
27 14 23 16-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,293.68	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,913.32	
27 14 23 16-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,295.04	345.35
27 14 23 16-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,359.32	345.35
27 14 23 16-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,742.18	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,413.10	
27 14 23 16-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,776.58	394.68
27 14 23 16-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,480.21	394.68
27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	819.23	296.01
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	927.73	296.01
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,074.13	296.01
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,311.73	296.01
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,429.31	296.01
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,881.54	296.01
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,750.52	345.35
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,272.72	345.35
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,493.73	345.35
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,579.59	345.35
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,631.01	345.35
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,748.51	345.35
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,250.51	345.35
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,532.52	394.68
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,471.33	394.68
27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>		
27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,576.61	296.01
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,897.58	296.01
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,603.72	296.01
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,940.71	296.01
27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,236.54	296.01
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,510.46	345.35
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,989.60	345.35
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,923.76	345.35
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,210.67	345.35
27 14 23 16-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,887.82	296.01
27 14 23 16-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,042.58	296.01
27 14 23 16-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,676.01	296.01
27 14 23 16-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,293.13	296.01
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,046.35	296.01
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,279.20	345.35

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,825.10	345.35
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,318.80	345.35
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,454.54	345.35
27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,957.54	296.01
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,120.04	296.01
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,785.14	296.01
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,433.11	296.01
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,224.00	296.01
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,514.38	345.35
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,137.58	345.35
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,805.96	345.35
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,098.49	345.35
27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	717.33	296.01
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	720.71	296.01
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	898.15	296.01
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	918.92	296.01
<i>For Aluminum Armored Cable, Add</i>	961.51	
<i>For Steel Armored Cable, Add</i>	1,608.90	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,023.44	296.01
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,042.99	296.01
<i>For Aluminum Armored Cable, Add</i>	1,030.62	
<i>For Steel Armored Cable, Add</i>	1,677.95	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,367.44	345.35
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,039.38	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	670.36	
<i>For Steel Armored Cable, Add</i>	765.95	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,817.94	345.35
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,943.23	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	128.55	
<i>For Steel Armored Cable, Add</i>	279.17	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,962.80	345.35
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,051.37	345.35
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,313.64	345.35
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	802.04	296.01
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	791.67	296.01
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,050.09	296.01
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,150.01	296.01
<i>For Aluminum Armored Cable, Add</i>	1,083.11	
<i>For Steel Armored Cable, Add</i>	1,730.47	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,383.12	296.01
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,686.14	296.01
<i>For Aluminum Armored Cable, Add</i>	1,092.84	
<i>For Steel Armored Cable, Add</i>	1,740.15	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,271.28	345.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,607.26	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	306.61	
<i>For Steel Armored Cable, Add</i>	608.79	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,914.55	345.35
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,743.00	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	150.22	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,809.02	345.35
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,465.51	345.35
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,853.38	345.35
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,267.53	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	817.48	296.01
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	806.59	296.01
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,077.93	296.01
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,182.84	296.01
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,427.61	296.01
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,745.78	296.01
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,456.07	345.35
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,808.84	345.35
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,231.50	345.35
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,101.38	345.35
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,220.70	345.35
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,960.00	345.35
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,517.27	345.35
27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,558.23	296.01
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,948.75	296.01
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,887.58	296.01
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,807.67	296.01
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,276.11	296.01
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,984.93	345.35
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,028.62	345.35
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,794.82	345.35
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,748.08	345.35
27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,181.39	296.01
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,013.15	296.01
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,503.66	296.01
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,189.05	296.01
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,497.37	296.01
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,295.04	345.35
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,777.14	345.35
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,860.56	345.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,374.23	345.35
27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,265.79	296.01
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,139.14	296.01
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,654.17	296.01
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,373.84	296.01
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,747.57	296.01
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,631.01	345.35
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,187.22	345.35
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,474.80	345.35
27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,214.16	345.35
27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0001) Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0159)		
27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0160)		
27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0161)		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	943.38	394.68
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,029.44	394.68
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,058.18	394.68
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,160.52	394.68
For Aluminum Armored Cable, Add	1,256.73	
For Steel Armored Cable, Add	1,334.92	
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,189.86	394.68
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,367.22	394.68
For Aluminum Armored Cable, Add	1,299.62	
For Steel Armored Cable, Add	1,386.56	
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,307.90	444.01
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,255.33	444.01
For Aluminum Armored Cable With Sub-Units, Add	1,625.95	
For Steel Armored Cable, Add	1,592.41	
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,975.37	444.01
For Aluminum Armored Cable With Sub-Units, Add	1,714.06	
For Steel Armored Cable, Add	1,525.17	
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,115.02	444.01
For Aluminum Armored Cable With Sub-Units, Add	1,798.39	
For Steel Armored Cable, Add	1,598.36	
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,995.69	444.01
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,229.88	444.01
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,461.76	444.01
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,661.62	493.35
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,341.49	493.35
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0161)		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	968.16	394.68
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,071.49	394.68
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,210.92	394.68
27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,437.21	394.68
For Aluminum Armored Cable, Add	1,236.71	
For Steel Armored Cable, Add	1,311.34	
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,549.19	394.68
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,979.89	394.68
For Aluminum Armored Cable, Add	1,268.92	
For Steel Armored Cable, Add	1,351.92	
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,763.79	444.01
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,261.12	444.01
For Aluminum Armored Cable With Sub-Units, Add	1,778.52	
For Steel Armored Cable, Add	1,746.52	
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,423.99	444.01
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,458.13	444.01
For Aluminum Armored Cable With Sub-Units, Add	1,913.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,459.49	444.01
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,523.77	444.01
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,906.63	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	1,413.10	
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,941.03	493.35
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,644.66	493.35
27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	983.68	394.68
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,092.18	394.68
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,238.58	394.68
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,476.18	394.68
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,593.76	394.68
27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,045.99	394.68
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,914.97	444.01
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,437.17	444.01
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,658.18	444.01
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,744.04	444.01
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,795.46	444.01
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,912.96	444.01
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,414.96	444.01
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,696.97	493.35
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	21,635.78	493.35
27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,741.06	394.68
27 14 23 16-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,062.03	394.68
27 14 23 16-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,768.17	394.68
27 14 23 16-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,105.16	394.68
27 14 23 16-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,400.99	394.68
27 14 23 16-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,674.91	444.01
27 14 23 16-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,154.05	444.01
27 14 23 16-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,088.21	444.01
27 14 23 16-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,375.12	444.01
27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,052.27	394.68
27 14 23 16-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,207.03	394.68
27 14 23 16-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,840.46	394.68
27 14 23 16-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,457.58	394.68
27 14 23 16-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,210.80	394.68
27 14 23 16-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,443.65	444.01
27 14 23 16-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,989.55	444.01
27 14 23 16-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,483.25	444.01
27 14 23 16-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,618.99	444.01
27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,121.99	394.68
27 14 23 16-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,284.49	394.68
27 14 23 16-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,949.59	394.68
27 14 23 16-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,597.56	394.68
27 14 23 16-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,388.45	394.68

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,678.83	444.01
27 14 23 16-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,302.03	444.01
27 14 23 16-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,970.41	444.01
27 14 23 16-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,262.94	444.01
27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	881.78	394.68
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	885.16	394.68
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,062.60	394.68
27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,083.37	394.68
<i>For Aluminum Armored Cable, Add</i>	961.51	
<i>For Steel Armored Cable, Add</i>	1,608.90	
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,187.89	394.68
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,207.44	394.68
<i>For Aluminum Armored Cable, Add</i>	1,030.62	
<i>For Steel Armored Cable, Add</i>	1,677.95	
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,531.89	444.01
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,203.83	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	670.36	
<i>For Steel Armored Cable, Add</i>	765.95	
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,982.39	444.01
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,107.68	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	128.55	
<i>For Steel Armored Cable, Add</i>	279.17	
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,127.25	444.01
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,215.82	444.01
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,478.09	444.01
27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	966.49	394.68
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	956.12	394.68
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,214.54	394.68
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,314.46	394.68
<i>For Aluminum Armored Cable, Add</i>	1,083.11	
<i>For Steel Armored Cable, Add</i>	1,730.47	
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,547.57	394.68
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,850.59	394.68
<i>For Aluminum Armored Cable, Add</i>	1,092.84	
<i>For Steel Armored Cable, Add</i>	1,740.15	
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,435.73	444.01
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,771.71	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	306.61	
<i>For Steel Armored Cable, Add</i>	608.79	
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,079.00	444.01
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,907.45	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	150.22	
27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,973.47	444.01
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,629.96	444.01
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,017.83	444.01
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,267.53	
27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	981.93	394.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	971.04	394.68
27 14 23 16-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,242.38	394.68
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,347.29	394.68
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,592.06	394.68
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,910.23	394.68
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,620.52	444.01
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,973.29	444.01
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,395.95	444.01
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,265.83	444.01
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,385.15	444.01
27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,124.45	444.01
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,681.72	444.01
 27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
 27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,722.68	394.68
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,113.20	394.68
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,052.03	394.68
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,972.12	394.68
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,440.56	394.68
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,149.38	444.01
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,193.07	444.01
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,959.27	444.01
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,912.53	444.01
 27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,345.84	394.68
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,177.60	394.68
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,668.11	394.68
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,353.50	394.68
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,661.82	394.68
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,459.49	444.01
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,941.59	444.01
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,025.01	444.01
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,538.68	444.01
 27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,430.24	394.68
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,303.59	394.68
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,818.62	394.68
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,538.29	394.68
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,912.02	394.68
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,795.46	444.01
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,351.67	444.01
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,639.25	444.01
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,378.61	444.01

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0316	Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.	
27 14 23 16-0317	Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)	
27 14 23 16-0318	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,192.80 296.01
27 14 23 16-0319	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,842.63 296.01
27 14 23 16-0320	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,194.32 345.35
27 14 23 16-0321	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,957.00 345.35
27 14 23 16-0322	Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)	
27 14 23 16-0323	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,423.27 296.01
27 14 23 16-0324	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,175.60 296.01
27 14 23 16-0325	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,645.65 345.35
27 14 23 16-0326	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	10,720.05 345.35
27 14 23 16-0327	Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.	
27 14 23 16-0328	Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)	
27 14 23 16-0329	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,357.25 394.68
27 14 23 16-0330	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,007.08 394.68
27 14 23 16-0331	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,358.77 444.01
27 14 23 16-0332	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	4,121.45 444.01
27 14 23 16-0333	Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)	
27 14 23 16-0334	MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,587.72 394.68
27 14 23 16-0335	MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,340.05 394.68
27 14 23 16-0336	MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,810.10 444.01
27 14 23 16-0337	MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	10,884.50 444.01
27 14 23 16-0338	Outdoor Fiber Optic Cable (27 14 23 16)	
27 14 23 16-0339	Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0338) Note: Excludes conduit or innerduct.	
27 14 23 16-0340	Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0339)	
27 14 23 16-0341	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0340)	
27 14 23 16-0342	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,223.38 127.11 592.03
27 14 23 16-0343	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,236.82 127.30 592.03
27 14 23 16-0344	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,250.45 127.29 592.03
27 14 23 16-0345	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,263.89 127.48 592.03
27 14 23 16-0346	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,290.94 127.67 592.03
27 14 23 16-0347	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,355.16 123.19 592.03
27 14 23 16-0348	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,395.48 123.75 592.03
27 14 23 16-0349	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,491.41 131.03 592.03
27 14 23 16-0350	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,592.39 132.34 592.03



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,691.87 133.65	592.03
27 14 23 16-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,823.09 160.71	592.03
27 14 23 16-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,082.16 172.47	592.03
27 14 23 16-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,342.54 204.20	592.03
27 14 23 16-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,612.26 220.24	592.03
27 14 23 16-0356			50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,351.36 127.92	592.03
27 14 23 16-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,490.67 130.84	592.03
27 14 23 16-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,633.27 131.22	592.03
27 14 23 16-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,774.38 131.78	592.03
27 14 23 16-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,056.59 134.02	592.03
27 14 23 16-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,502.69 135.89	592.03
27 14 23 16-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,926.01 137.38	592.03
27 14 23 16-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,786.85 162.39	592.03
27 14 23 16-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,652.91 174.34	592.03
27 14 23 16-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,517.68 186.27	592.03
27 14 23 16-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,426.67 223.79	592.03
27 14 23 16-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,259.78 257.02	592.03
27 14 23 16-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,113.98 310.39	592.03
27 14 23 16-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,004.94 313.01	592.03
27 14 23 16-0371			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,282.98 107.06	592.03
27 14 23 16-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,385.91 114.81	592.03
27 14 23 16-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,488.69 122.37	592.03
27 14 23 16-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,615.65 139.32	592.03
27 14 23 16-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,797.48 145.27	592.03
27 14 23 16-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,118.95 154.83	592.03
27 14 23 16-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,423.46 178.05	592.03
27 14 23 16-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,006.27 197.86	592.03
27 14 23 16-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,687.94 227.50	592.03
27 14 23 16-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,317.56 244.80	592.03
27 14 23 16-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,982.09 277.08	592.03
27 14 23 16-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,326.12 311.53	592.03
27 14 23 16-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,691.72 353.56	592.03
27 14 23 16-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,078.41 324.76	592.03
27 14 23 16-0386			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0387			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,313.34 158.66	592.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,326.97 158.66	592.03
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,340.22 159.41	592.03
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,353.85 159.40	592.03
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,380.54 160.53	592.03
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,439.52 162.02	592.03
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,479.84 162.95	592.03
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,580.44 162.21	592.03
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,681.42 167.99	592.03
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,780.91 170.23	592.03
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,919.96 181.06	592.03
27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,186.69 206.24	592.03
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,488.32 214.65	592.03
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,734.51 237.24	592.03
27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,440.27 162.20	592.03
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,580.07 166.68	592.03
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,587.97 169.24	592.03
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,860.42 174.71	592.03
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,140.59 183.10	592.03
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,579.40 196.17	592.03
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,999.75 208.49	592.03
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,860.58 253.48	592.03
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,721.23 259.26	592.03
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,584.68 280.36	592.03
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,488.45 309.48	592.03
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,318.01 305.37	592.03
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,266.28 314.50	592.03
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,068.03 356.88	592.03
27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,352.49 134.39	592.03
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,453.28 145.27	592.03
27 14 23 16-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,553.90 156.15	592.03
27 14 23 16-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,654.69 167.01	592.03
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,915.79 179.63	592.03
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,171.81 210.50	592.03
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,485.53 228.64	592.03
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,092.76 282.50	592.03
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,711.34 323.67	592.03
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,332.05 360.42	592.03



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,984.72 401.92	592.03
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,309.15 473.92	592.03
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,730.26 489.92	592.03
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,020.44 505.75	592.03
27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0338) Note: Excludes trenching.		
27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0432)		
27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0433)		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,141.15 127.11	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,154.59 127.30	
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,168.22 127.29	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,181.66 127.48	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,208.71 127.67	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,272.93 123.19	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,313.25 123.75	
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,409.18 131.03	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,510.16 132.34	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,609.64 133.65	
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,740.86 160.71	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,999.93 172.47	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,260.31 204.20	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,530.03 220.24	
27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0433)		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,269.13 127.92	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,408.44 130.84	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,551.04 131.22	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,692.15 131.78	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,974.36 134.02	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,420.46 135.89	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,843.78 137.38	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,704.62 162.39	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,570.68 174.34	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,435.45 186.27	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,344.44 223.79	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,177.55 257.02	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,031.75 310.39	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,922.71 313.01	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0433)		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,200.75 107.06	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,303.68 114.81	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,406.46 122.37	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,533.42 139.32	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,715.25 145.27	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,036.72 154.83	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,341.23 178.05	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,924.04 197.86	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,605.71 227.50	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,235.33 244.80	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,899.86 277.08	
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,243.89 311.53	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,609.49 353.56	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,996.18 324.76	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0432)		
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,231.11 158.66	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,244.74 158.66	
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,257.99 159.41	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,271.62 159.40	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,298.31 160.53	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,357.29 162.02	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,397.61 162.95	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,498.21 162.21	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,599.19 167.99	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,698.68 170.23	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,837.73 181.06	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,104.46 206.24	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,406.09 214.65	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,652.28 237.24	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,358.04 162.20	
27 14 23 16-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,497.84 166.68	
27 14 23 16-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,505.74 169.24	
27 14 23 16-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,778.19 174.71	
27 14 23 16-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,058.36 183.10	
27 14 23 16-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,497.17 196.17	
27 14 23 16-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,917.52 208.49	
27 14 23 16-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,778.35 253.48	
27 14 23 16-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,639.00 259.26	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,502.45 280.36	
27 14 23 16-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,406.22 309.48	
27 14 23 16-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,235.78 305.37	
27 14 23 16-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,184.05 314.50	
27 14 23 16-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,985.80 356.88	
27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,270.26 134.39	
27 14 23 16-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,371.05 145.27	
27 14 23 16-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,471.67 156.15	
27 14 23 16-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,572.46 167.01	
27 14 23 16-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,833.56 179.63	
27 14 23 16-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,089.58 210.50	
27 14 23 16-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,403.30 228.64	
27 14 23 16-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,010.53 282.50	
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,629.11 323.67	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,249.82 360.42	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,902.49 401.92	
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,226.92 473.92	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,637.98 489.92	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,938.21 505.75	
27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0338)</small>		
27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0525)</small>		
27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0526)</small>		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,320.94 123.93	2,251.54
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,336.43 124.50	2,251.54
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,352.11 124.87	2,251.54
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,367.98 125.24	2,251.54
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,399.15 126.18	2,251.54
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,466.53 128.23	2,251.54
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,513.38 129.91	2,251.54
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,629.29 133.27	2,251.54
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,719.07 151.75	2,251.54
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,852.15 154.74	2,251.54
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,975.90 175.08	2,251.54
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,262.79 194.30	2,251.54
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,551.54 226.03	2,251.54
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,856.90 251.04	2,251.54
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,150.08	493.35
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,056.78	493.35
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,076.57	493.35
27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,306.53	493.35
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,821.79	493.35
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,075.67	493.35
27 14 23 16-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,067.85	452.24
27 14 23 16-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,974.55	452.24
27 14 23 16-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,994.34	452.24
27 14 23 16-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,224.30	452.24
27 14 23 16-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,739.56	452.24
27 14 23 16-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,993.44	452.24
27 14 23 16-0560 Network Communications Cabling And Related Products <small>(27 14 23 16)</small>		
27 14 23 16-0561 EA AC Surge Suppression Assembly.....	249.51	10.27
Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.		
27 14 23 16-0562 EA Single Mode Fiber Optic To Ethernet Media Converter	418.46	12.34
Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.		
27 14 23 16-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends.....	22.47	1.32
Note: Includes testing.		
27 14 23 16-0564 EA KVM (Keyboard, Video, Mouse) Cable	50.84	1.65
Note: Raritan CCP40. Includes testing.		
27 14 23 16-0565 EA 6' Long USB (Universal Serial Bus) Cable.....	8.06	1.32
Note: Includes testing.		
27 14 23 16-0566 EA 10' Long USB (Universal Serial Bus) Cable.....	9.53	1.65
Note: Includes testing.		
27 14 23 16-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	10.25	1.32
Note: Includes testing.		
27 14 23 16-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	11.72	1.65
Note: Includes testing.		
27 14 23 16-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends	16.70	1.32
Note: Includes testing.		
27 14 23 16-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends.....	35.95	1.65
Note: Includes testing.		
27 14 23 16-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	28.39	1.32
Note: Includes testing.		
27 14 23 16-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	35.95	1.65
Note: Includes testing.		
27 14 23 16-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other.....	52.70	1.32
Note: Includes testing.		
27 14 23 16-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other.....	52.70	1.32
Note: Includes testing.		
27 14 23 16-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	0.62	
Note: Corning part no. 006ESF-T41O1D20. Includes testing.		
27 14 23 16-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	4.88	
Note: Corning part no. 012ESF-T41O1D20. Includes testing.		
27 14 23 16-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	5.97	
Note: Corning part no. 024EW4-T41O1D20. Includes testing.		
27 14 23 16-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	9.69	
Note: Corning part no. 072EW4-T41O1D20. Includes testing.		
27 14 23 16-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	15.21	
Note: Corning part no. 144EW4-T41O1D20. Includes testing.		
27 14 23 16-0580 LF 36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable	9.25	
Note: Corning part no. 036E81-61131-24. Includes testing.		
27 14 23 16-0581 LF 72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable.....	14.17	
Note: Corning part no. 072E81-T3131-24. Includes testing.		
27 14 23 16-0582 EA Aerial Storage Unit.....	69.22	8.22
Note: Alcola part no. FSU-16. Includes testing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0583 EA Spider Fan-Out Kits With SC Connectors.....	83.68	8.22
Note: Corning part no. SFK-P-12-900-S.		
27 14 23 16-0584 LF Ultraviolet Resistant Rated Category 6 Cable.....	0.83	0.15
Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.		
27 14 23 16-0585 LF RG11 Coaxial Cable NEC CMR	3.15	1.54
Note: Corning part no. SFK-P-12-900-S.		
27 14 23 16-0586 LF Outdoor Rated UL Type CL2	3.07	
Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.		
27 14 23 16-0587 LF Indoor Plenum Rated UL Type CMP	4.33	1.54
Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.		
27 14 33 Communications Coaxial Cabling (27 14)		
27 14 33 16 Communications Coaxial Cabling (27 14 33)		
27 14 33 16-0001 Indoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0002 Coaxial Distribution Cable (27 14 33 16-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0003 MLF RG-6/U Coaxial Distribution Cable, In Conduit.....	1,528.88	240.55
27 14 33 16-0004 MLF RG-6A/U Coaxial Distribution Cable, In Conduit.....	5,385.75	240.55
27 14 33 16-0005 MLF RG-8/U Coaxial Distribution Cable, In Conduit.....	2,890.68	254.08
27 14 33 16-0006 MLF RG-8A/U Coaxial Distribution Cable, In Conduit.....	3,615.16	254.08
27 14 33 16-0007 MLF RG-11/U Coaxial Distribution Cable, In Conduit.....	3,246.46	300.69
27 14 33 16-0008 MLF RG-11A/U Coaxial Distribution Cable, In Conduit.....	4,647.56	300.69
27 14 33 16-0009 MLF RG-11/U Coaxial Distribution Cable, In Plenum	10,408.43	601.38
27 14 33 16-0010 MLF RG-58/U Coaxial Distribution Cable, In Conduit.....	1,141.32	210.49
27 14 33 16-0011 MLF RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,284.88	210.49
27 14 33 16-0012 MLF RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,537.78	210.49
27 14 33 16-0013 MLF RG-58/U Coaxial Distribution Cable, In Plenum	3,715.85	420.96
27 14 33 16-0014 MLF RG-59/U Coaxial Distribution Cable, In Conduit.....	1,812.03	210.49
27 14 33 16-0015 MLF RG-59/U Coaxial Distribution Cable, In Plenum	4,468.30	420.96
27 14 33 16-0016 MLF 1/2" Hard Line Coaxial, In Conduit.....	1,869.95	420.96
27 14 33 16-0017 Coaxial, Indoor Telecommunications Cable (27 14 33 16-0001)		
27 14 33 16-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 14 33 16-0017)		
27 14 33 16-0019 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	977.55	345.35
27 14 33 16-0020 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,124.11	345.35
27 14 33 16-0021 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	851.37	394.68
27 14 33 16-0022 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,657.98	394.68
27 14 33 16-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 14 33 16-0017)		
27 14 33 16-0024 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,553.12	690.69
27 14 33 16-0025 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	2,699.68	690.69
27 14 33 16-0026 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	1,509.17	789.36
27 14 33 16-0027 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	3,315.78	789.36
27 14 33 16-0028 Outdoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 14 33 16-0028)		
Note: Corrugated steel armor jacket.		
27 14 33 16-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	4,409.99	1,125.48
27 14 33 16-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	2,797.96	791.63
27 14 33 16-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,320.87	467.04
27 14 33 16-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,315.23	467.04
27 14 33 16-0034 MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....	1,972.05	729.77
27 14 43 Communications Faceplates And Connectors (27 14)		
27 14 43 00-0001 Plastic Communications Faceplates (27 14 43)		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0002 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.46	2.06
27 14 43 00-0003 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.46	2.06
27 14 43 00-0004 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.46	2.06
27 14 43 00-0005 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.46	2.06
27 14 43 00-0006 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.46	2.06
27 14 43 00-0007 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID	9.41	2.06
27 14 43 00-0008 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID	9.41	2.06
27 14 43 00-0009 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	9.41	2.06
27 14 43 00-0010 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	9.41	2.06
27 14 43 00-0011 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.41	2.06

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 43 00-0012	EA	Stainless Steel Communications Faceplates <small>(27 14 43)</small> Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0013	EA	Stainless Steel Communications Faceplates <small>(27 14 43 00-0012)</small>		
27 14 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	12.12	2.06
27 14 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	12.12	2.06
27 14 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	12.12	2.06
27 14 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	12.95	2.06
27 14 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	12.95	2.06
27 14 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	17.42	2.06
27 14 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	17.94	2.06
27 14 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	20.74	2.06
27 14 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	20.74	2.06
27 14 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	20.74	2.06
27 14 43 00-0024	EA	Stainless Steel Communications Faceplates With Station ID <small>(27 14 43 00-0012)</small>		
27 14 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.32	2.06
27 14 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.32	2.06
27 14 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.32	2.06
27 14 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.32	2.06
27 14 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.32	2.06
27 14 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.16	2.06
27 14 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	37.16	2.06
27 14 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.16	2.06
27 14 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	37.16	2.06
27 14 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.16	2.06
27 14 43 00-0035	EA	Snap-In Modular Jacks <small>(27 14 43)</small> Note: Includes termination.		
27 14 43 00-0036	EA	Cat 3, Snap-In Modular Jack	22.39	8.23
27 14 43 00-0037	EA	Cat 5E, Snap-In Modular Jack	23.54	8.23
27 14 43 00-0038	EA	Cat 5E Shielded, Snap-In Modular Jack	26.96	8.23
27 14 43 00-0039	EA	Cat 6, Snap-In Modular Jack	26.96	8.23
27 14 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack.....	30.81	8.23
27 14 43 00-0041	EA	Voice, RJ-11, Snap-In Modular Jack.....	14.30	4.12
27 14 43 00-0042	EA	SC Type Fiber Optic, Snap-In Modular Jack.....	24.99	8.23
27 14 43 00-0043	EA	ST Type Fiber Optic, Snap-In Modular Jack	27.90	8.23
27 14 43 00-0044	EA	LC Type Fiber Optic, Snap-In Modular Jack	33.61	8.23
27 14 43 00-0045	EA	Blank Fill In, Snap-In Modular Jack.....	4.66	2.06
27 14 43 00-0046	EA	Open Cable Pass Through Insert, Snap-In Modular Jack.....	5.19	2.06
27 14 43 00-0047	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	18.70	6.17
		Note: Includes female to female connection.		
		<i>For Gold Bulkhead, Add</i>	1.11	
27 14 43 00-0048	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	18.91	6.17
		Note: Includes female to female connection.		
27 14 43 00-0049	EA	RCA Solder Coupler, Snap-In Modular Jack.....	37.83	8.23
27 14 43 00-0050	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	46.25	8.23
27 14 43 00-0051	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	23.22	8.23
27 14 43 00-0052	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	24.31	4.12
27 14 43 00-0053	EA	BNC Connector, Snap-In Modular Jack	26.65	8.23
27 14 43 00-0054	EA	S-Video With 110 Punch Down, Snap-In Modular Jack.....	29.77	8.23
27 14 43 00-0055	PR	Speaker Connectors, Snap-In Modular Jack	37.61	12.36
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0056	EA	USB Audio Video Connector, Snap-In Modular Jack.....	44.11	8.23
27 14 43 00-0057	EA	Surface Mount Plastic Communication Boxes <small>(27 14 43)</small> Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0058	EA	One Port, Surface Mount Plastic Communication Box With Station ID	23.55	10.29
27 14 43 00-0059	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	24.07	10.29
27 14 43 00-0060	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	27.66	10.29
27 14 43 00-0061	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	31.92	10.29
27 14 43 00-0062	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	36.38	10.29
27 14 43 00-0063	EA	Wall Mounted Telephone Faceplates <small>(27 14 43)</small> Note: Includes standard telephone mounting studs.		
27 14 43 00-0064	EA	Plastic Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0063)</small>		
27 14 43 00-0065	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	26.87	10.27
27 14 43 00-0066	EA	Stainless Steel Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0063)</small>		
27 14 43 00-0067	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	22.77	4.11
		Note: Requires one snap-in modular jack.		
27 14 43 00-0068	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	40.21	10.27
27 14 43 00-0069	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	46.87	12.34
27 14 43 00-0070	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	21.92	4.11
		Note: Requires one snap-in modular jack.		



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0071 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	36.62	10.27
27 14 43 00-0072 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	43.37	12.34
27 14 43 00-0073 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0074 EA Label Both Ends Of One 4 Pair Cable	16.19	
27 14 43 00-0075 EA Label single gang face plate (2 labels required)	12.95	
27 14 43 00-0076 EA Label two gang face plate (4 labels required)	19.42	
27 14 43 00-0077 EA Label both ends of a Siamese (dual 4 Pair cable)	16.19	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,044.60	1,233.37
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,965.21	1,644.50
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,205.47	2,055.63
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,113.80	2,466.75
27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	4,274.06	1,233.37
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	5,403.68	1,644.50
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	7,111.14	2,055.63
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,572.73	2,466.75
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed	3,866.85	1,644.50
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	4,787.46	2,055.63
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	6,027.73	2,466.75
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed	6,936.04	2,877.88
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,096.31	1,644.50
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	6,225.93	2,055.63
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	7,933.40	2,466.75
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,394.97	2,877.88
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		
27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit.....	2,897.06	1,233.37
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	3,747.64	1,644.50
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	4,765.57	2,055.63
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit.....	5,697.50	2,466.75
27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench.....	2,074.81	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	2,925.39	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	3,943.32	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench.....	4,875.24	
27 14 63 Communications Multimedia Modular Patch Panels (27 14)		
27 14 63 00-0001 Communications Multimedia Modular Patch Panels (27 14 63)		
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 63 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	70.59	4.11
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	77.83	4.11
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	91.83	4.11
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	96.13	4.11
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	105.27	5.14
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	99.70	4.11
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	125.11	5.14
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar	35.25	5.14

27 16 Communications Connecting Cords, Devices, And Adapters (27 10)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0001 Fiber Optic Receivers <small>(27 16 16)</small>		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles	585.52	41.11
27 16 16 00-0003 EA Fiber Optic MM Dual Video Receiver, Manual Gain.....	590.36	80.98
Note: With video presence Ind, RM.		
27 16 16 00-0004 Fiber Optic Transmitters <small>(27 16 16)</small>		
27 16 16 00-0005 EA Fiber Optic Transmitter, Range 6.2 Miles	585.51	41.11
27 16 16 00-0006 EA Fiber Optic MM Dual Video Transmitter Video Presence Indicator.....	590.36	80.98
27 16 16 00-0007 Fiber Optic Repeaters <small>(27 16 16)</small>		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	667.73	82.23
27 16 16 00-0009 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,054.74	164.45
27 16 16 00-0010 Fiber Optic Transceivers <small>(27 16 16)</small>		
27 16 16 00-0011 EA Fiber Optic Transceivers, 3,000 Miles Range	713.35	164.45
27 16 16 00-0012 EA Fiber Optic Transceivers, Digital 2,000 Miles Range	713.35	164.45
27 16 16 00-0013 EA Fiber Optic Ethernet Transceiver	934.30	246.68
27 16 16 00-0014 EA Transceiver (Low Cost Bi- Directional).....	333.13	61.67
27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire <small>(27 16)</small>		
27 16 19 00-0001 Fiber Optic Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0002 Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
27 16 19 00-0003 Singlemode, Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0002)</small>		
27 16 19 00-0004 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	29.31	
<i>For Each Additional Meter In Length, Add</i> 0.26		
27 16 19 00-0005 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	24.21	
<i>For Each Additional Meter In Length, Add</i> 0.26		
27 16 19 00-0006 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	30.83	
<i>For Each Additional Meter In Length, Add</i> 0.26		
27 16 19 00-0007 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	25.38	
<i>For Each Additional Meter In Length, Add</i> 0.26		
27 16 19 00-0008 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	29.09	
<i>For Each Additional Meter In Length, Add</i> 0.26		
27 16 19 00-0009 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	28.68	
<i>For Each Additional Meter In Length, Add</i> 0.26		
27 16 19 00-0010 Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
27 16 19 00-0011 Singlemode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0012 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	49.78	
<i>For Each Additional Meter In Length, Add</i> 0.51		
27 16 19 00-0013 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	48.35	
<i>For Each Additional Meter In Length, Add</i> 0.51		
27 16 19 00-0014 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	53.45	
<i>For Each Additional Meter In Length, Add</i> 0.51		
27 16 19 00-0015 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	41.94	
<i>For Each Additional Meter In Length, Add</i> 0.51		
27 16 19 00-0016 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	49.36	
<i>For Each Additional Meter In Length, Add</i> 0.51		
27 16 19 00-0017 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	48.55	
<i>For Each Additional Meter In Length, Add</i> 0.51		
27 16 19 00-0018 Multimode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0019 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	38.01	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0020 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	41.34	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0021 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	41.68	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0022 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	42.75	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0023 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	38.15	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0024 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.94	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0025 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	50.16	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0026 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	35.08	
<i>For Each Additional Meter In Length, Add</i> 1.48		
27 16 19 00-0027 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	42.31	
<i>For Each Additional Meter In Length, Add</i> 1.48		



Communications	27	27
Structured Cabling	27 10	
Communications Connecting Cords, Devices, And Adapters	27 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0028 Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0029 EA Simplex Fiber Optic Cable Pig Tail	52.78	28.77
27 16 19 00-0030 EA Duplex Fiber Optic Cable Pig Tail	64.87	28.77
27 16 19 00-0031 Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0032 EA 3' Category 5E Patch Cables With Boots.....	12.99	
27 16 19 00-0033 EA 5' Category 5E Patch Cables With Boots.....	13.72	
27 16 19 00-0034 EA 7' Category 5E Patch Cables With Boots.....	14.45	
27 16 19 00-0035 EA 10' Category 5E Patch Cables With Boots.....	19.66	
27 16 19 00-0036 EA 15' Category 5E Patch Cables With Boots.....	21.49	
27 16 19 00-0037 EA 25' Category 5E Patch Cables With Boots.....	25.14	
27 16 19 00-0038 EA 3' Category 6 Patch Cables With Boots.....	14.02	
27 16 19 00-0039 EA 5' Category 6 Patch Cables With Boots.....	14.96	
27 16 19 00-0040 EA 7' Category 6 Patch Cables With Boots.....	15.90	
27 16 19 00-0041 EA 10' Category 6 Patch Cables With Boots.....	21.42	
27 16 19 00-0042 EA 15' Category 6 Patch Cables With Boots.....	23.77	
27 16 19 00-0043 EA 25' Category 6 Patch Cables With Boots.....	28.47	
27 16 19 00-0044 EA 50' Category 6 Patch Cables With Boots.....	40.23	
27 16 19 00-0045 EA 100' Category 6 Patch Cables With Boots.....	67.86	
27 16 19 00-0046 Cross Connect Wire <small>(27 16 19)</small>		
Note: Up to 20' length.		
27 16 19 00-0047 EA 2-Pair Cross Connect Wire	13.23	
27 16 19 00-0048 EA 3-Pair Cross Connect Wire	17.73	
27 16 19 00-0049 EA 4-Pair Cross Connect Wire	22.17	
27 20 Data Communications <small>(27)</small>		
27 21 Data Communications Network Equipment <small>(27 20)</small>		
Note: Includes testing of new devices and certification.		
27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems <small>(27 21)</small>		
27 21 16 00-0001 Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002 EA Fiber Optic Modems, Range 6.2 Miles.....	1,167.70	164.45
27 21 16 00-0003 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	2,216.20	164.45
27 21 16 00-0004 Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005 EA 16 Port Managed Hub With Fiberport And Standard Management.....	2,053.55	123.54
27 21 16 00-0006 EA 16 Port Unmanaged Hub.....	405.59	82.36
27 30 Voice Communications <small>(27)</small>		
27 31 Voice Communications Switching and Routing Equipment <small>(27 30)</small>		
Note: Includes testing of new devices and certification.		
27 31 13 PBX/Key Systems <small>(27 31)</small>		
27 31 13 00-0001 Interior PBX Telephone System <small>(27 31 13)</small>		
Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002 Interior PBX Telephone System <small>(27 31 13 00-0001)</small>		
Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003 EA 1 Line PBX Connection, Cost Per Each Line Up To 1,000	1,121.76	428.93
27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) <small>(27 31 13 00-0001)</small>		
27 31 13 00-0005 EA Add For Each Additional PBX Phone Line Less Solid State Switching.....	333.97	33.72
27 31 13 00-0006 Telephones <small>(27 31 13 00-0001)</small>		
27 31 13 00-0007 EA Telephones, Desk Type Intercommunication Equipment.....	139.62	32.07
27 31 13 00-0008 EA Telephones, Wall Type Intercommunication Equipment.....	161.24	42.76
27 32 Voice Communications Terminal Equipment <small>(27 30)</small>		
Note: Includes testing of new devices and certification.		
27 32 19 Interior Telephone System <small>(27 32)</small>		
27 32 19 00-0001 Components <small>(27 32 19)</small>		
27 32 19 00-0002 EA Solid State Exchange Unit With Power Supply.....	4,059.44	751.37
27 32 19 00-0003 EA Dial Telephone - Handset In Cabinet.....	475.34	61.42
27 32 19 00-0004 EA Elevator Cab Telephone With Trailer Cable.....	255.82	65.86
27 32 19 00-0005 EA Loud Ring Bell, 6".....	204.68	61.10

27	Communications
27 30	Voice Communications
27 32	Voice Communications Terminal Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0006 EA Audio/Visual Indicator.....	252.28	57.56
27 32 19 00-0007 EA Administrative Telephone With Digital Display.....	259.29	51.64
27 32 19 00-0008 EA Processing Unit For 16 Station System.....	1,354.36	421.24
27 32 19 00-0009 EA Handset For 16 Station System.....	185.15	41.93
27 32 19 00-0010 EA Handset In Cabinet, For 16 Station System.....	250.70	56.57
27 32 19 00-0011 MLF 20 Conductor Unshielded Cable, #22.....	1,897.50	906.70
27 32 19 00-0012 EA Power Supply For 16 Station System.....	257.68	111.91
27 32 19 00-0013 EA Intercom Terminal Board.....	239.14	125.96
27 32 19 00-0014 EA Power Supply For Five Station System, 24 Volt DC.....	266.00	111.91
27 32 19 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	126.18	46.01
27 32 19 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	376.69	101.25
27 32 19 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	442.96	115.09
27 32 19 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	535.84	136.21
27 32 19 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	626.73	147.26
27 32 19 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	951.28	167.55
27 32 19 00-0021 EA Ring Rung 3".....	8.53	4.58
27 32 19 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	20.69	8.14
27 32 19 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	38.55	16.69
27 32 19 00-0024 Accessories (27 32 19)		
27 32 19 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete.....	9.07	4.44
27 32 19 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete.....	19.02	17.10
27 32 19 00-0027 EA Level 5, RJ-45 Jack, Dual Flush Mounted - Complete.....	45.42	18.79
27 32 19 00-0028 EA Level 5, RJ-45 Jack, Wall Mount - Complete.....	43.68	18.79
27 32 19 00-0029 EA Terminating Strips, Inside.....	88.21	37.59
27 32 19 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	40.66	19.32
27 32 19 00-0031 EA Ready Access Closure 3 To 25 Pair.....	106.47	45.30
27 32 19 00-0032 EA Ready Access Closure 25 To 100 Pair.....	122.94	50.65
27 32 19 00-0033 EA Termination Block With Bracket 25 Pair.....	38.98	15.21
27 32 19 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	39.96	19.07
27 32 19 00-0035 EA Interior Protected Terminal 25 Pair.....	400.77	109.85
27 32 19 00-0036 EA Interior Protected Terminal 50 Pair.....	462.39	111.58
27 32 19 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair.....	160.88	45.71
27 32 19 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair.....	165.06	45.71
27 32 19 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair.....	216.69	58.46
27 32 19 00-0040 EA Pedestal 10" x 16" x 439 600 Pair.....	438.86	105.33
27 32 19 00-0041 EA Entrance Protector Terminal 100 Pair.....	589.90	120.21
27 32 19 00-0042 EA Gas Protection Module.....	10.65	4.11
27 32 19 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	16.21	3.76
27 32 26 Ring-Down Emergency Telephones (27 32)		
27 32 26 00-0001 Emergency Telephone (27 32 26)		
Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	6,023.49	338.28
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	6,312.61	338.28
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004 EA Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2).....	96.38	
27 32 26 00-0005 EA Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	144.56	
27 32 26 00-0006 EA IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	361.41	
27 32 26 00-0007 EA IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	491.52	
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	539.70	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option.....	9.64	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option.....	9.64	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option.....	86.74	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	915.57	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option.....	424.05	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option.....	1,373.36	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option.....	2,886.46	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit NightCharge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option.....	154.20	
27 32 26 00-0017 EA NightCharge Power Code Blue Option.....	1,344.44	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	337.32	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option.....	766.19	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option.....	33.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0021 City Police Call System (27 32 26)		
27 32 26 00-0022 Components (27 32 26 00-0021)		
27 32 26 00-0023 EA City Police Call System.....	475.78	95.88
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post.....	447.62	138.87
27 40 Audio-Video Communications (27)		
27 41 Audio-Video Systems (27 40)		
27 41 16 Integrated Audio-Video Systems and Equipment (27 41)		
Note: Includes testing of new devices and certification.		
27 41 16 00-0001 Television Distribution System (27 41 16)		
See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0261 for basic wiring.		
27 41 16 00-0002 Television Support System (27 41 16 00-0001)		
27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20".....	289.07	92.24
27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack.....	364.93	102.95
27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27".....	299.77	92.24
27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack.....	375.63	102.95
27 41 16 00-0007 EA Wall Mounted Television Support, 13".....	228.37	74.13
27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack.....	304.22	82.36
27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20".....	242.41	74.13
27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack.....	318.26	82.36
27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27".....	256.45	74.13
27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack.....	332.30	82.36
27 41 16 00-0013 Distribution System (27 41 16 00-0001)		
See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA Steel Rack Cabinet With Shelves.....	913.39	151.21
27 41 16 00-0016 EA Switch And Pilot Light.....	159.70	67.18
27 41 16 00-0017 LF Surface Raceway With Outlets.....	19.56	9.13
27 41 16 00-0018 EA Service Label.....	23.91	12.58
27 41 16 00-0019 Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA Head End Amplifier.....	609.30	100.65
27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA UHF In-Line Booster.....	372.72	100.65
27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier.....	456.03	100.65
27 41 16 00-0025 EA UHF Preamplifier.....	372.72	100.65
27 41 16 00-0026 Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply.....	651.47	143.81
27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter.....	64.84	33.55
27 41 16 00-0030 EA Two-Way Splitter.....	71.47	33.55
27 41 16 00-0031 EA Frequency Filter.....	148.92	50.40
27 41 16 00-0032 EA Line Splitter And Mixer.....	197.24	74.01
27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter.....	276.32	67.18
27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	148.92	50.40
27 41 16 00-0037 EA TV Receiver Outlet Plug.....	71.47	33.55
27 41 16 00-0038 EA TV Camera Outlet Plug.....	71.47	33.55
27 41 16 00-0039 EA Audio Outlet Plug.....	63.17	33.55
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	130.54	67.18
27 41 16 00-0041 EA Male Plug PL-259.....	71.47	33.55
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets.....	87.66	35.19

27	Communications
27 40	Audio-Video Communications
27 41	Audio-Video Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 41 16 00-0043	Metal And Electric Shop Antenna Systems (27 41 16)		
27 41 16 00-0044	Antenna (27 41 16 00-0043)		
27 41 16 00-0045	EA Amateur Radio Antenna.....	578.63	123.34
27 41 16 00-0046	EA Multi-Band Radio Antenna.....	459.29	123.34
27 41 16 00-0047	Receptacles (27 41 16 00-0043)		
27 41 16 00-0048	EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	140.60	50.40
27 41 16 00-0049	EA Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	140.60	50.40

27 50 Distributed Communications And Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 33 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 33 00-0001	Amplifiers (27 51 33)		
27 51 33 00-0002	EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10).....	325.97	82.36
27 51 33 00-0003	EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35).....	446.86	82.36
27 51 33 00-0004	EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60).....	531.44	82.36
27 51 33 00-0005	EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	587.86	82.36
27 51 33 00-0006	EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	724.61	82.36
27 51 33 00-0007	EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	929.10	82.36
27 51 33 00-0008	Speakers (27 51 33)		
27 51 33 00-0009	EA Atlas/Soundlier Speaker Model FD72W Recessed Mounted.....	276.01	22.04
27 51 33 00-0010	EA Atlas/Soundlier Speaker Model FD72W.....	190.97	18.74
27 51 33 00-0011	EA Atlas/Soundlier Baffle Model 51-8.....	29.92	4.11
27 51 33 00-0012	EA Atlas/Soundlier T-Bar Support.....	28.49	4.11
27 51 33 00-0013	EA Atlas/Soundlier Black Box Model Q408.....	89.17	4.11
27 51 33 00-0014	EA Atlas/Soundlier And Relay Assembly, At -10-PA With Box.....	88.61	7.40
27 51 33 00-0015	EA Atlas-Soundlier Speaker Model: EZSV1-2K.....	130.13	20.40
27 51 33 00-0016	Accessories (27 51 33)		
27 51 33 00-0017	EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	164.52	10.29
27 51 33 00-0018	EA Tape Deck For Audio/Video System.....	119.95	10.29
27 51 33 00-0019	EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	362.94	10.29
27 51 33 00-0020	EA Weather Proof Horn For Audio/Video System (Bogen SPT5A).....	101.40	20.59
27 51 33 00-0021	EA Trumpet Driver And Line Matching Transformer For Audio/Video System.....	178.58	20.59
27 51 33 00-0022	EA Headset Microphone For Audio/Video System.....	133.44	20.56
27 51 33 00-0023	EA Microphone Jack For Audio/Video System.....	67.57	20.59
27 51 33 00-0024	EA Terminal Cabinet For Audio/Video System.....	523.18	82.36
27 51 33 00-0025	EA Volume Control For Audio/Video System (Bogen AT10A).....	65.08	20.59
27 51 33 00-0026	Remove And Reinstall Speakers (27 51 33)		
	Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0027	EA Remove And Reinstall Ceiling Mounted Speaker.....	115.12	

27 52 Healthcare Communications And Monitoring Systems (27 50)

27 52 23 Nurse Call/Code Blue Systems (27 52)

27 52 23 00-0001 Wireless Equipment Nurses Call Systems (27 52 23)

Note: Includes all mounting hardware, batteries, cable and connections. Teletronic.

27 52 23 00-0002 Wireless Nurses Call System (27 52 23 00-0001)

27 52 23 00-0003	EA NurseCall Main Unit (Rechargeable Battery Included); NCM2.....	4,371.76	
27 52 23 00-0004	EA NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S.....	4,907.03	
27 52 23 00-0005	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2.....	3,059.33	
27 52 23 00-0006	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2.....	2,492.70	
27 52 23 00-0007	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2.....	2,245.50	
27 52 23 00-0008	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2.....	1,998.23	
27 52 23 00-0009	EA Resident Bed Station With Relay; N45.....	507.69	
27 52 23 00-0010	EA Bed Push Button For Use With N45 (9); RB13-9.....	248.88	
27 52 23 00-0011	EA Pull Cord Replacement For S35; S35PC.....	18.39	
27 52 23 00-0012	EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S.....	363.99	
27 52 23 00-0013	EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A.....	363.99	
27 52 23 00-0014	EA Remote Reset Button; S35R.....	353.83	
27 52 23 00-0015	EA Waterproof Wrist Transmitter (Automatic Supervision); S37.....	247.43	
27 52 23 00-0016	EA Wrist Band Replacement For S37; S37WB.....	22.75	
27 52 23 00-0017	EA Locate 1 Waterproof Wrist Transceiver; S37L.....	301.14	
27 52 23 00-0018	EA Locate 1 Beacon; IS75.....	956.53	
27 52 23 00-0019	EA Wireless Smoke Detector Transmitter; SD35.....	618.43	
27 52 23 00-0020	EA Wireless Door Contact Transmitter; RAC35.....	486.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0021 EA Wireless Time Controlled Door Contact; RAC45	486.35	
27 52 23 00-0022 EA Local Receiver With Relay (110 Volt AC); LE9	596.66	
27 52 23 00-0023 EA Voice Response Unit (Rechargeable Battery Included); S10	1,019.91	
27 52 23 00-0024 EA Alarm Receiving Unit (Rechargeable Battery Included); ARU	2,012.22	
27 52 23 00-0025 EA NurseCall Programming Software; NPS	5,481.82	
27 52 23 00-0026 EA NurseCall Printer Interface; NCPI	1,872.92	
27 52 23 00-0027 EA NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	9,604.08	
27 52 23 00-0028 EA 9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	45.72	
27 52 23 00-0029 EA 6V Lithium Battery (Replacement For S35 And RAC35); LIT6	41.37	
27 52 23 00-0030 EA 9V Alkaline Battery (Replacement For N45); ALK9	21.05	
27 52 23 00-0031 EA Giant LED Single Sided Display; NCGD	9,439.58	
27 52 23 00-0032 EA Serial Printer; NCSP	989.20	
27 52 23 00-0033 EA Modular Duplex T-Adapter (Replacement For S10); SE-486A	21.29	
27 52 23 00-0034 EA AC Adapter (Replacement For S10); STA-4110A	38.71	
27 52 23 00-0035 EA S10 Phone Cord (Replacement For S10); STC	21.29	
27 52 23 00-0036 EA Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	4,245.15	
27 52 23 00-0037 EA Waveware Pagers; DAP-040	597.04	
27 52 23 00-0038 Wireless Nurses Call Tele/Management System (27 52 23 00-0001)		
27 52 23 00-0039 EA Tele/Management Unit; TP12	2,491.47	
27 52 23 00-0040 EA Tele/Management Software; TP12S	2,250.26	
27 52 23 00-0041 Wireless Nurses Call Paging System (27 52 23 00-0001)		
27 52 23 00-0042 EA Standard Paging System (2.5 Watt Transmitter); RPE673	7,086.34	
27 52 23 00-0043 EA Replacement Antenna For RPE673; RPE673AN	494.43	
27 52 23 00-0044 EA Replacement Power For RPE673; RPE673PS	659.90	
27 52 23 00-0045 EA Alphanumeric Pager; RPR583	803.60	
27 52 23 00-0046 EA Replacement Holster For RPR583; RPR583H	46.92	
27 52 23 00-0047 Equipment Nurses Call Systems (27 52 23)		
27 52 23 00-0048 EA Nurses Call System, Page/Talk Relay Intercommunication Equipment	165.80	42.76
27 52 23 00-0049 EA Nurses Call System, Main Equipment Panel Intercommunication Equipment	1,641.01	171.03
27 52 23 00-0050 EA Nurses Call System, Re-Entrant Horn Intercommunication Equipment	179.90	55.92
27 52 23 00-0051 EA Nurses Call System, Nurses Control Station Intercommunication Equipment	906.87	164.45
27 52 23 00-0052 EA Nurses Call System, Duty Station Intercommunication Equipment	439.98	128.27
27 52 23 00-0053 EA Nurses Call System, Staff Station Intercommunication Equipment	219.19	42.76
27 52 23 00-0054 EA Nurses Call System, Single Bedside Station Intercommunication Equipment	208.64	42.76
27 52 23 00-0055 EA Nurses Call System, Double Bedside Station Intercommunication Equipment	323.29	74.83
27 52 23 00-0056 EA Nurses Call System, Emergency Call Button Intercommunication Equipment	101.31	32.89
27 52 23 00-0057 EA Nurses Call System, Pull Cord Button Intercommunication Equipment	94.52	32.89
27 52 23 00-0058 EA Nurses Call System, Single Dome Light Intercommunication Equipment	67.46	21.38
27 52 23 00-0059 EA Nurses Call System, Double Dome Light Intercommunication Equipment	98.41	32.89
27 52 23 00-0060 EA Nurses Call System, Pillow Speaker Intercommunication Equipment	137.55	21.38
27 52 23 00-0061 EA Nurses Call System, Cord Set Intercommunication Equipment	72.57	21.38
27 52 23 00-0062 EA Nurse Call System, Master-20 Station	3,284.71	164.45
27 52 23 00-0063 EA Dukane Duty Station - Tone Only, PC1000	581.30	128.35
27 53 Distributed Systems (27 50)		
27 53 13 Clock Systems (27 53)		
27 53 13 00-0001 Wired Self-Corrective Clock Systems (27 53 13)		
27 53 13 00-0002 Wired Self-Corrective Clocks (27 53 13 00-0001)		
27 53 13 00-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
27 53 13 00-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	177.98	20.56
For >50 To 100, Deduct	-11.63	
For >100, Deduct	-17.10	
27 53 13 00-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	422.26	20.56
For >50 To 100, Deduct	-21.40	
For >100, Deduct	-36.65	
27 53 13 00-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	223.02	20.56
For >50 To 100, Deduct	-15.25	
For >100, Deduct	-22.52	
27 53 13 00-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	557.39	20.56
For >50 To 100, Deduct	-57.78	
For >100, Deduct	-78.43	
27 53 13 00-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	177.98	20.56
For >50 To 100, Deduct	-11.63	
For >100, Deduct	-17.10	

27	Communications
27 50	Distributed Communications And Monitoring Systems
27 53	Distributed Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	422.26	20.56
For >50 To 100, Deduct	-21.40	
For >100, Deduct	-36.65	
27 53 13 00-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	223.02	20.56
For >50 To 100, Deduct	-15.25	
For >100, Deduct	-22.52	
27 53 13 00-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	557.39	20.56
For >50 To 100, Deduct	-57.78	
For >100, Deduct	-78.43	
27 53 13 00-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	146.17	10.27
27 53 13 00-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	37.88	10.27
27 53 13 00-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	47.85	10.27
27 53 13 00-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	58.25	10.27
27 53 13 00-0019 EA Combination Back Box For Speaker And Clock.....	85.73	16.45
27 53 13 00-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
27 53 13 00-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	219.56	20.56
For Surface Mount, Add	35.69	
For >50 To 100, Deduct	-10.71	
For >100, Deduct	-17.85	
27 53 13 00-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	337.37	20.56
For Surface Mount, Add	59.25	
For >50 To 100, Deduct	-17.78	
For >100, Deduct	-29.63	
27 53 13 00-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	219.56	20.56
For Surface Mount, Add	35.69	
For >50 To 100, Deduct	-10.71	
For >100, Deduct	-17.85	
27 53 13 00-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	337.37	20.56
For Surface Mount, Add	59.25	
For >50 To 100, Deduct	-17.78	
For >100, Deduct	-29.63	
27 53 13 00-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	187.95	20.56
For >50 To 100, Deduct	-8.81	
For >100, Deduct	-14.68	
27 53 13 00-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	308.78	20.56
For >50 To 100, Deduct	-16.06	
For >100, Deduct	-26.77	
27 53 13 00-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	187.95	20.56
For >50 To 100, Deduct	-8.81	
For >100, Deduct	-14.68	
27 53 13 00-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	308.78	20.56
For >50 To 100, Deduct	-16.06	
For >100, Deduct	-26.77	
27 53 13 00-0033 Accessories For Digital Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	199.01	10.27
27 53 13 00-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	48.28	10.27
27 53 13 00-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	66.47	10.27
27 53 13 00-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	173.89	10.27
27 53 13 00-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	49.59	10.27
27 53 13 00-0039 Wired Self-Corrective Master Clocks (27 53 13 00-0001)		
27 53 13 00-0040 Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,057.94	164.45
27 53 13 00-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,187.87	164.45
27 53 13 00-0043 Accessories For Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0044 EA 5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	213.47	41.11
27 53 13 00-0045 EA 10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	240.75	41.11



Communications	27	27
Distributed Communications And Monitoring Systems	27 50	
Distributed Systems	27 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0046 Other Clock And Program Systems <small>(27 53 13)</small>		
27 53 13 00-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,005.03	82.23
27 53 13 00-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,249.18	164.45
27 53 13 00-0049 EA Program Bell (Lathem 906-6).....	163.18	41.11
27 53 13 00-0050 EA Combination Clock And Speaker.....	375.38	102.78

END OF SECTION 27

27 Communications

27 50 Distributed Communications And Monitoring Systems

27 53 Distributed Systems



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels where the number of terminations is not known.

28 05 Common Work Results For Electronic Safety And Security ⁽²⁸⁾

28 05 13 Conductors And Cables For Electronic Safety And Security ^(28 05)

28 05 13 13 **CCTV Communications Conductors And Cables** ^(28 05 13)

See CSI section 27 14 00 00-0000 for conductors and cables.

28 05 13 16 **Access Control Communications Conductors And Cables** ^(28 05 13)

28 05 13 16-0001 **Low Voltage Control Cables** ^(28 05 13 16)

Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.

28 05 13 16-0002	MLF	4/c #18 AWG "TC" Copper Conductor Cable.....		1,826.58	
28 05 13 16-0003	MLF	6/c #18 AWG "TC" Copper Conductor Cable.....		2,471.55	182.21
28 05 13 16-0004	MLF	8/c #18 AWG "TC" Copper Conductor Cable.....		3,031.35	218.80
28 05 13 16-0005	MLF	10/c #18 AWG "TC" Copper Conductor Cable.....		3,783.35	262.20
28 05 13 16-0006	MLF	12/c #18 AWG "TC" Copper Conductor Cable.....		4,277.49	293.77
28 05 13 16-0007	MLF	37/c #18 AWG "TC" Copper Conductor Cable.....		10,513.70	379.69

28 05 13 19 **Intrusion Detection Communications Conductors And Cables** ^(28 05 13)

28 05 13 19-0001 **Security System Cable** ^(28 05 13 19)

28 05 13 19-0002	CLF	2/c #18 AWG, "Red", Twisted Shielded Solid Copper , In Conduit		225.02	44.81
28 05 13 19-0003	CLF	2/c #16 AWG, "Red", Twisted Shielded Solid Copper , In Conduit		332.51	55.02
28 05 13 19-0004	CLF	2/c #18 AWG, "Red", Twisted Shielded Solid Copper , Plenum		235.94	46.91
28 05 13 19-0005	CLF	2/c #16 AWG, "Red", Twisted Shielded Solid Copper , Plenum		349.04	57.73
28 05 13 19-0006	CLF	4/c #18 AWG Stranded Copper Cable, In Conduit.....		258.74	49.91
28 05 13 19-0007	CLF	6/c #18 AWG Stranded Copper Cable, In Conduit.....		317.78	60.14
28 05 13 19-0008	CLF	2/c #22 AWG, Type CL2R/MPR Bare Copper Conductor.....		212.81	44.81
28 05 13 19-0009	CLF	4/c #22 AWG, Type CL2R/MPR Bare Copper Conductor.....		311.43	55.02
28 05 13 19-0010	CLF	6/c #22 AWG, Type CL2R/MPR Bare Copper Conductor.....		326.93	57.73

28 05 13 23 **Fire Alarm Communications Conductors And Cables** ^(28 05 13)

28 05 13 23-0001 **Cable For Fire Alarm System** ^(28 05 13 23)

28 05 13 23-0002	CLF	Red Teflon 1-Pair #18 Gauge, Twisted Shielded Solid CU.....		166.40	33.08
28 05 13 23-0003	CLF	Red Teflon 2-Pair #18 Gauge, Twisted Shielded Solid CU.....		192.93	36.99
28 05 13 23-0004	CLF	Red Teflon 4-Pair #18 Gauge, Twisted Shielded Solid CU.....		258.73	49.91
28 05 13 23-0005	CLF	Red Teflon 6-Pair #18 Gauge, Twisted Shielded Solid CU.....		317.78	60.14
28 05 13 23-0006	CLF	Red Teflon 8-Pair #18 Gauge, Twisted Shielded Solid CU.....		373.07	68.86
28 05 13 23-0007	CLF	Red Teflon 10-Pair #18 Gauge, Twisted Shielded Solid CU.....		435.13	80.29
28 05 13 23-0008	CLF	Red Teflon 1-Pair #14 Gauge, Twisted Shielded Solid CU.....		255.94	42.10
28 05 13 23-0009	CLF	Red Teflon 2-Pair #14 Gauge, Twisted Shielded Solid CU.....		336.99	54.42
28 05 13 23-0010	CLF	Red Teflon 2-Pair #16 Gauge, Twisted Shielded Solid CU.....		332.51	55.02

28 05 26 Grounding And Bonding For Electronic Safety And Security ^(28 05)

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 28 Pathways For Electronic Safety And Security ^(28 05)

28 05 28 29 **Hangers And Supports For Electronic Safety And Security** ^(28 05 28)

See CSI section 26 05 29 00-0000 for hangers and supports.

28 05 28 33 **Conduits And Backboxes For Electronic Safety And Security** ^(28 05 28)

See CSI section 26 05 33 13-0000 for conduits.

28 05 28 36 **Cable Trays For Electronic Safety And Security** ^(28 05 28)

See CSI section 26 05 36 00-0000 for cable trays.

28 05 28 39 **Surface Raceways For Electronic Safety And Security** ^(28 05 28)

See CSI section 26 05 33 23-0000 for surface raceways.

28 05 53 Identification For Electronic Safety And Security ^(28 05)

See CSI section 26 05 53 00-0000 for identification.

28 10 Electronic Access Control And Intrusion Detection ⁽²⁸⁾

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and terminations.

28 13 Access Control ^(28 10)

28 13 33 **Access Control Interfaces** ^(28 13)

28 13 33 16 **Access Control Interfaces To Access Door Control** ^(28 13 33)

28 13 33 16-0001 **Stand Alone Access Controls** ^(28 13 33 16)

28	Electronic Safety And Security
28 10	Electronic Access Control And Intrusion Detection
28 13	Access Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0002	Push Button Controls, Stand Alone Access Controls (28 13 33 16-0001)	
28 13 33 16-0003	Interior Mount, Push Button Controls, Stand Alone Access Controls (28 13 33 16-0002)	
28 13 33 16-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls .....77.11 Note: Controls mount to a standard mullion. 20.56
28 13 33 16-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls .....80.11 Note: Controls mount into a single gang electrical box. Excludes electrical box. 20.56
28 13 33 16-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators .....95.11 Note: Controls mount into a single gang electrical box. Excludes electrical box. 20.56
28 13 33 16-0007	Exterior Mount, Push Button Controls, Stand Alone Access Controls (28 13 33 16-0002)	
28 13 33 16-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls .....93.11 Note: Controls mount into a single gang electrical box. Excludes electrical box. 20.56
28 13 33 16-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls .....422.34 Note: Includes post, mounting base and push button control. Excludes concrete foundation. 61.67
28 13 33 16-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators .....138.61 Note: Includes open, close and stop controls. 20.56
28 13 33 16-0011	EA	Operator Reset Control, Exterior Stand Alone Access Controls For Gate Operators .....179.11 Note: Includes audible and visual alarm. 20.56
28 13 33 16-0012	Key Controls, Stand Alone Access Controls (28 13 33 16-0001)	
28 13 33 16-0013	Interior Mount, Key Controls, Stand Alone Access Controls (28 13 33 16-0012)	
28 13 33 16-0014	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls .....102.99 Note: Controls mount into a single gang electrical box. Excludes electrical box. 20.56
28 13 33 16-0015	Exterior Mount, Key Controls, Stand Alone Access Controls (28 13 33 16-0012)	
28 13 33 16-0016	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls .....156.85 Note: Opens door or gate with a postal or fire department key. 41.11
28 13 33 16-0017	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls .....244.23 41.11
28 13 33 16-0018	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls .....244.23 41.11
28 13 33 16-0019	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls .....358.23 41.11
28 13 33 16-0020	Keypad Controls, Stand Alone Access Controls (28 13 33 16-0001)	
28 13 33 16-0021	Interior Mount, Keypad Controls, Stand Alone Access Controls (28 13 33 16-0020)	
28 13 33 16-0022	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls .....138.61 Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box. 20.56
28 13 33 16-0023	Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 13 33 16-0020)	
28 13 33 16-0024	Keypad Controls, Exterior Stand Alone Access Controls (28 13 33 16-0023)	
28 13 33 16-0025	EA	2 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....497.45 Note: Includes lighted keypad. Stores two 4-digit entry codes, two 5-digit entry codes and one 4-digit hold code. 82.23
		For Flush Mount Keypad Controls, Add 53.28
28 13 33 16-0026	EA	10 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....578.45 Note: Includes lighted keypad. Stores ten 4-digit entry codes and six 5-digit entry codes. 82.23
		For Flush Mount Keypad Controls, Add 66.24
28 13 33 16-0027	EA	50 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....638.45 Note: Includes lighted keypad. Stores fifty 4-digit entry codes and six 5-digit entry codes. 82.23
		For Flush Mount Keypad Controls, Add 75.84
28 13 33 16-0028	EA	100 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....698.45 Note: Includes lighted keypad. Stores one hundred 4-digit entry codes and six 5-digit entry codes. 82.23
		For Flush Mount Keypad Controls, Add 85.44
28 13 33 16-0029	EA	250 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....758.45 Note: Includes lighted keypad. Stores two hundred and fifty 4-digit entry codes and six 5-digit entry codes. 82.23
		For Flush Mount Keypad Controls, Add 95.04
28 13 33 16-0030	EA	500 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....818.45 Note: Includes lighted keypad. Stores five hundred 4-digit entry codes and six 5-digit entry codes. 82.23
		For Flush Mount Keypad Controls, Add 104.64
28 13 33 16-0031	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....878.45 Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. 82.23
		For Flush Mount Keypad Controls, Add 114.24
28 13 33 16-0032	Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls (28 13 33 16-0023)	
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.
28 13 33 16-0033	EA	2 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls .....614.01 Note: Includes lighted keypad. Stores two 4-digit entry codes, two 5-digit entry codes and one 4-digit hold code. 92.50
28 13 33 16-0034	EA	10 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls .....695.01 Note: Includes lighted keypad. Stores ten 4-digit entry codes and six 5-digit entry codes. 92.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0035 EA 50 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores fifty 4-digit entry codes and six 5-digit entry codes.	755.01	92.50
28 13 33 16-0036 EA 100 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores one hundred 4-digit entry codes and six 5-digit entry codes.	815.01	92.50
28 13 33 16-0037 EA 250 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores two hundred and fifty 4-digit entry codes and six 5-digit entry codes.	875.01	92.50
28 13 33 16-0038 EA 500 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores five hundred 4-digit entry codes and six 5-digit entry codes.	935.01	92.50
28 13 33 16-0039 EA 1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	995.01	92.50
28 13 33 16-0040 RF Controls, Stand Alone Access Controls (28 13 33 16-0001)		
28 13 33 16-0041 Exterior Mount, RF Controls, Stand Alone Access Controls (28 13 33 16-0040) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 13 33 16-0042 RF Receivers, RF Controls, Exterior Stand Alone Access Controls (28 13 33 16-0041) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 13 33 16-0043 EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	366.95	82.23
28 13 33 16-0044 EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	407.45	82.23
28 13 33 16-0045 EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	446.45	82.23
28 13 33 16-0046 EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	488.45	82.23
28 13 33 16-0047 EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	527.45	82.23
28 13 33 16-0048 EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	569.45	82.23
28 13 33 16-0049 EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	608.45	82.23
28 13 33 16-0050 RF Transmitters, RF Controls, Exterior Stand Alone Access Controls (28 13 33 16-0041)		
28 13 33 16-0051 EA 1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... For >40 To 110, Deduct For >110, Deduct For Built In Proximity Tags, Add	27.00 -1.35 -2.70 5.40	
28 13 33 16-0052 EA 2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... For >40 To 110, Deduct For >110, Deduct For Built In Proximity Tags, Add	28.50 -1.43 -2.85 5.70	
28 13 33 16-0053 EA 3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... For >40 To 110, Deduct For >110, Deduct For Built In Proximity Tags, Add	30.00 -1.50 -3.00 6.00	
28 13 33 16-0054 Accessories For RF Receivers, Exterior Stand Alone Access Controls (28 13 33 16-0041)		
28 13 33 16-0055 EA Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	159.34	61.67
28 13 33 16-0056 EA Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls..... Note: Includes 20' of coax cable.	243.34	61.67
28 13 33 16-0057 EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	252.34	61.67
28 13 33 16-0058 Proximity Card Controls, Stand Alone Access Controls (28 13 33 16-0001)		
28 13 33 16-0059 Exterior Mount, Proximity Card Controls, Stand Alone Access Controls (28 13 33 16-0058) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 13 33 16-0060 DKS Proximity Card Controls, Exterior Stand Alone Access Controls (28 13 33 16-0059)		
28 13 33 16-0061 DKS Proximity Card Readers, Exterior Stand Alone Access Controls (28 13 33 16-0060)		
28 13 33 16-0062 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	684.95	82.23
28 13 33 16-0063 AWID Proximity Card Controls, Exterior Stand Alone Access Controls (28 13 33 16-0059)		
28 13 33 16-0064 AWID Proximity Card Readers, Exterior Stand Alone Access Controls (28 13 33 16-0063)		
28 13 33 16-0065 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	699.95	82.23
28 13 33 16-0066 HID Proximity Card Controls, Exterior Stand Alone Access Controls (28 13 33 16-0059)		
28 13 33 16-0067 HID Proximity Card Readers, Exterior Stand Alone Access Controls (28 13 33 16-0066)		
28 13 33 16-0068 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	827.45	82.23
28 13 33 16-0069 Magnetic Stripe Card Controls, Stand Alone Access Controls (28 13 33 16-0001)		
28 13 33 16-0070 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 13 33 16-0069)		
28 13 33 16-0071 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	464.45	82.23

28	Electronic Safety And Security
28 10	Electronic Access Control And Intrusion Detection
28 13	Access Control



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 13 33 16-0072		Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 13 33 16-0069)</small>		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 13 33 16-0073	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	514.45	82.23
28 13 33 16-0074		Other Stand Alone Access Controls <small>(28 13 33 16-0001)</small>		
28 13 33 16-0075	EA	Toggle Switch, Interior Access Controls For Gate Operators.....	73.73	20.56
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 13 33 16-0076		Wiegand Output Access Controls <small>(28 13 33 16)</small>		
		Note: Excludes controllers.		
28 13 33 16-0077		Proximity Card Controls, Wiegand Output Access Controls <small>(28 13 33 16-0076)</small>		
28 13 33 16-0078		DKS, Proximity Card Controls, Wiegand Output Access Controls <small>(28 13 33 16-0077)</small>		
28 13 33 16-0079		DKS, Proximity Cards <small>(28 13 33 16-0078)</small>		
28 13 33 16-0080	EA	Clamshell Type, DKS Proximity Card (DKS 170).....	3.71	
28 13 33 16-0081	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	6.23	
28 13 33 16-0082	EA	DKS Proximity Key Fob (DKS 50).....	5.95	
28 13 33 16-0083	EA	Active Tag, DKS Proximity Tag (DKS 150).....	39.20	
		Note: Battery powered tag to boost signal.		
28 13 33 16-0084	EA	Active Tag, DKS Proximity Tag (DKS 200).....	44.10	
		Note: Battery powered tag to boost signal.		
28 13 33 16-0085		DKS, Proximity Card Readers, Wiegand Output Access Controls <small>(28 13 33 16-0078)</small>		
28 13 33 16-0086	EA	Up To 4" Read Range, 5-12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Tiny).....	356.76	102.78
		Note: For mullion mounting.		
28 13 33 16-0087	EA	Up To 4" Read Range, 5-12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS 10).....	356.76	102.78
		Note: For mullion mounting.		
28 13 33 16-0088	EA	Up To 12" Read Range, 5-12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS 30).....	569.56	102.78
		Note: Includes 12 VDC regulated power supply.		
28 13 33 16-0089	EA	Up To 18" Read Range, 5-12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS 70).....	1,335.01	102.78
		Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 13 33 16-0090		AWID, Proximity Card Controls, Wiegand Output Access Controls <small>(28 13 33 16-0077)</small>		
28 13 33 16-0091		AWID, Proximity Cards <small>(28 13 33 16-0090)</small>		
28 13 33 16-0092	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	3.64	
28 13 33 16-0093	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	5.53	
28 13 33 16-0094	EA	AWID Proximity Key Fob (AWID Prox-Linc KT).....	5.88	
28 13 33 16-0095	EA	Windshield Tag For LR 911 Readers, AWID Proximity Tag.....	19.60	
28 13 33 16-0096	EA	Metal Mount Tag For LR 911 Readers, AWID Proximity Tag.....	19.60	
28 13 33 16-0097		AWID, Proximity Card Readers, Wiegand Output Access Controls <small>(28 13 33 16-0090)</small>		
28 13 33 16-0098	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	356.76	102.78
		Note: For mullion mounting.		
28 13 33 16-0099	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	432.36	102.78
		Note: For mullion mounting.		
28 13 33 16-0100	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	529.56	102.78
		Note: For single gang electrical box mounting.		
28 13 33 16-0101	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	660.56	102.78
		Note: Includes 12 VDC regulated power supply.		
28 13 33 16-0102	EA	Up To 11" Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 911).....	2,334.61	102.78
		Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 13 33 16-0103		HID, Proximity Card Controls, Wiegand Output Access Controls <small>(28 13 33 16-0077)</small>		
28 13 33 16-0104		HID, Proximity Cards <small>(28 13 33 16-0103)</small>		
28 13 33 16-0105	EA	Clamshell Type, HID Proximity Card (HID ProxCard II).....	10.50	
28 13 33 16-0106	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	13.02	
28 13 33 16-0107	EA	HID Proximity Key Fob (HID ProxKey II).....	13.30	
28 13 33 16-0108		HID, Proximity Card Readers, Wiegand Output Access Controls <small>(28 13 33 16-0103)</small>		
28 13 33 16-0109	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	324.40	102.78
		Note: For mullion mounting. (HID P/N 6005).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0110 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	372.41	102.78
Note: For single gang electrical box mounting. (HID P/N 5395).		
28 13 33 16-0111 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)	408.42	102.78
Note: For mullion mounting. (HID P/N 5365).		
28 13 33 16-0112 EA EntryProx Single-Door Proximity Access Control	505.65	102.78
Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 13 33 16-0113 Contactless Smart Card Controls, Wiegand Output Access Controls <small>(28 13 33 16-0076)</small>		
28 13 33 16-0114 HID, Contactless Smart Cards <small>(28 13 33 16-0113)</small>		
28 13 33 16-0115 EA 2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	3.02	
28 13 33 16-0116 EA 16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	6.54	
28 13 33 16-0117 EA 16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	9.15	
28 13 33 16-0118 EA 16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card	5.61	
Note: Battery powered tag to boost signal.		
28 13 33 16-0119 HID, Contactless Smart Card Readers, Wiegand Output Access Controls <small>(28 13 33 16-0113)</small>		
28 13 33 16-0120 EA Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)	314.46	102.78
Note: For mullion mounting.		
28 13 33 16-0121 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)	402.46	102.78
Note: For mullion mounting.		
28 13 33 16-0122 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40)	579.56	102.78
Note: For mullion mounting.		
28 13 33 16-0123 HID, Contactless Smart Card Programmer, Wiegand Output Access Controls <small>(28 13 33 16-0113)</small>		
28 13 33 16-0124 EA HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)	2,074.46	102.78
Note: For mullion mounting.		
28 13 33 16-0125 Call Station Controls, Wiegand Output Access Controls <small>(28 13 33 16-0076)</small>		
Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 13 33 16-0126 EA Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	745.56	102.78
Note: For mullion mounting.		
28 13 33 16-0127 EA Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls	633.06	102.78
Note: For mullion mounting.		
28 13 33 16-0128 Biometrics Readers, Wiegand Output Access Controls <small>(28 13 33 16-0076)</small>		
28 13 33 16-0129 EA Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	3,090.40	82.23
28 13 33 16-0130 EA CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	3,762.75	82.23
28 13 33 16-0131 EA Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	1,515.93	82.23
28 13 33 16-0132 EA Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	1,032.35	82.23
28 13 33 16-0133 EA Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	1,043.35	82.23
28 13 33 16-0134 EA Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	1,368.95	82.23
28 13 33 16-0135 Exterior Mounting Posts For Gate Operator Access Controls <small>(28 13 33 16)</small>		
Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 13 33 16-0136 2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 13 33 16-0135)</small>		
28 13 33 16-0137 EA 44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	193.75	16.62
Note: Includes a 5" x 5" base plate.		
28 13 33 16-0138 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	455.25	16.62
Note: Includes an 8" x 8" base plate.		
28 13 33 16-0139 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	175.75	16.62
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 13 33 16-0140 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 13 33 16-0135)</small>		
28 13 33 16-0141 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	342.25	16.62
Note: Includes an 8" x 8" base plate.		
28 13 33 16-0142 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	390.25	16.62
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		

28	Electronic Safety And Security
28 10	Electronic Access Control And Intrusion Detection
28 13	Access Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0143 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....250.75 Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	250.75	16.62
28 13 33 16-0144 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28		
13 33 16-0135)		
28 13 33 16-0145 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,105.75 Note: Includes a 11" x 13" base plate.	1,105.75	16.62
28 13 33 16-0146 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls..... 1,158.25 Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	1,158.25	16.62
28 13 33 16-0147 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....475.75 Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	475.75	16.62
28 13 33 16-0148 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....760.75	760.75	16.62
28 13 33 16-0149 Access Control Accessories (28 13 33 16)		
28 13 33 16-0150 EA Modem: Multitech, Mt2834L..... 1,248.25	1,248.25	
28 13 33 16-0151 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5) 336.95	336.95	
28 13 33 16-0152 EA 12 Volt, 7 Amp, Battery 41.49	41.49	
28 13 33 16-0153 EA 12 Volt, 18 Amp, Battery 92.49	92.49	
28 13 33 16-0154 EA Door Personality Module (Sensormatic RM-4)..... 365.05	365.05	20.56
28 13 33 16-0155 EA Mini-Alert Door Ajar Sounder (System Sensor PA400)..... 161.14	161.14	41.11
28 13 33 16-0156 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C) 60.10	60.10	24.67
28 13 33 16-0157 EA Access Control Systems Power Supply (Altronix AL400ULACMCB) 386.88	386.88	16.45
28 13 33 16-0158 EA Surge Suppressor (Tripp-Lite IBAR4) 59.23	59.23	4.12
28 13 33 16-0159 EA Door Strike Relay (Altronix RBSN-TTL) 48.63	48.63	16.45
28 13 33 16-0160 Access Controllers (28 13 33 16)		
28 13 33 16-0161 Microterm Controller (28 13 33 16-0160)		
28 13 33 16-0162 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....967.86 Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	967.86	102.78
28 13 33 16-0163 EA Microterm PC Board (Continental Instruments CICIP1100PCB) 684.82	684.82	61.67
28 13 33 16-0164 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2) 317.27 Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.	317.27	
28 13 33 16-0165 Miniterm Controller (28 13 33 16-0160)		
28 13 33 16-0166 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200) 1,491.21 Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,491.21	102.78
28 13 33 16-0167 EA Miniterm PC Board (Continental Instrument CICIP1200PCB) 1,112.58	1,112.58	61.67
28 13 33 16-0168 Super-2 Controller (28 13 33 16-0160)		
28 13 33 16-0169 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) 1,114.94 Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,114.94	102.78
28 13 33 16-0170 EA Super-Two - PC Board (Continental Instruments CICIP1300BD) 752.97	752.97	61.67
28 13 33 16-0171 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD)..... 220.23 Note: Optional on-board adapter allows for communication over TCP/IP.	220.23	61.67
28 13 33 16-0172 Smarterm Controller (28 13 33 16-0160)		
28 13 33 16-0173 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) 3,093.66 Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	3,093.66	123.34
28 13 33 16-0174 EA Smarterm PC Board (Continental Instrument CICIP1400PCB) 2,359.43	2,359.43	61.67
28 13 33 16-0175 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1)..... 928.04 Note: Up to 10,000 cardholders.	928.04	61.67
28 13 33 16-0176 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1)..... 1,312.51 Note: Up to 50,000 cardholders.	1,312.51	61.67
28 13 33 16-0177 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) 1,024.41 Note: 16 Output relays, 8 alarm inputs.	1,024.41	61.67
28 13 33 16-0178 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB) 1,024.41 Note: (Supervised) 16 alarm inputs.	1,024.41	61.67
28 13 33 16-0179 Superterm-4 Controller (28 13 33 16-0160)		
28 13 33 16-0180 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL)..... 2,859.04 Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	2,859.04	123.34
28 13 33 16-0181 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB)..... 2,319.99	2,319.99	61.67
28 13 33 16-0182 Superterm-8 Controller (28 13 33 16-0160)		
28 13 33 16-0183 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) 3,821.99 Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	3,821.99	205.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0184 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....	4,142.39	205.56
Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 13 33 16-0185 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB)	3,118.49	61.67
28 13 33 16-0186 Turbo Superterm-4 Controller (28 13 33 16-0160)		
28 13 33 16-0187 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	2,859.04	123.34
Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 13 33 16-0188 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB)	2,319.99	61.67
28 13 33 16-0189 Turbo Superterm-8 Controller (28 13 33 16-0160)		
28 13 33 16-0190 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	3,821.99	205.56
Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 13 33 16-0191 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP)	4,142.39	205.56
Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 13 33 16-0192 EA Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	3,118.49	61.67
28 13 33 16-0193 EA Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2).....	1,312.51	61.67
Note: Up to 140,000 cardholders.		
28 13 33 16-0194 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)	1,107.45	61.67
Note: Up to 140,000 cardholders.		
28 13 33 16-0195 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	1,025.45	61.67
Note: 16 Output relays, 8 alarm inputs.		
28 13 33 16-0196 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	1,025.45	61.67
Note: (Supervised) 16 Alarm inputs.		
28 13 33 16-0197 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIP1800PWS)	410.97	
28 13 33 16-0198 Access Control Bundled System (28 13 33 16)		
28 13 33 16-0199 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0)	20,493.67	
Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
28 13 33 16-0200 Magnetic Locks (28 13 33 16)		
Note: Excludes access controls.		
28 13 33 16-0201 Magnetic Door Locks (28 13 33 16-0200)		
28 13 33 16-0202 300 LB Magnetic Door Locks (28 13 33 16-0201)		
28 13 33 16-0203 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	334.70	82.23
28 13 33 16-0204 600 LB Magnetic Door Locks (28 13 33 16-0201)		
28 13 33 16-0205 EA Single Door, Surface Mount, 600 LB Magnetic Door Lock.....	452.07	82.23
For LED Status Indicator And Signal Relay, Add 35.95		
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 71.91		
For Mortise Mount, Deduct -57.52		
28 13 33 16-0206 EA Dual Doors, Surface Mount, 600 LB Magnetic Door Lock	646.70	82.23
For LED Status Indicator And Signal Relay, Add 60.28		
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 120.56		
28 13 33 16-0207 1,200 LB Magnetic Door Locks (28 13 33 16-0201)		
28 13 33 16-0208 EA Single Door, Surface Mount, 1,200 LB Magnetic Door Lock.....	473.45	82.23
For LED Status Indicator And Signal Relay, Add 71.07		
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 92.70		
28 13 33 16-0209 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock	687.20	82.23
For LED Status Indicator And Signal Relay, Add 120.23		
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 156.83		
28 13 33 16-0210 2,000 LB Shear Lock, Magnetic And Mechanical Locks (28 13 33 16-0201)		
Note: Includes LED status indicator and built-in signal relay.		
28 13 33 16-0211 EA Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	489.20	82.23
28 13 33 16-0212 Magnetic Gate Locks (28 13 33 16-0200)		
28 13 33 16-0213 600 LB Magnetic Gate Locks (28 13 33 16-0212)		
28 13 33 16-0214 EA 600 LB Magnetic Gate Lock.....	381.95	82.23
28 13 33 16-0215 1,200 LB Magnetic Gate Locks (28 13 33 16-0212)		

28	Electronic Safety And Security
28 10	Electronic Access Control And Intrusion Detection
28 13	Access Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0216 EA 1,200 LB Magnetic Gate Lock..... <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i> <i>For Mortise Mount, Deduct</i>	445.70 35.16 70.31 -56.25	82.23
28 13 33 16-0217 Magnetic Lock Power Supply And Chargers (28 13 33 16-0200) Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 13 33 16-0218 EA 12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger.....	302.49	82.23
28 13 33 16-0219 EA 12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger.....	368.09	82.23
28 13 33 16-0220 EA 12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger	408.09	82.23
28 13 33 16-0221 EA 12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger.....	491.89	82.23
28 13 33 16-0222 Master Door Buzzer Stations (28 13 33 16)		
28 13 33 16-0223 Master Stations (28 13 33 16-0222)		
28 13 33 16-0224 EA Master Stations, 5 Station Intercommunication Equipment.....	640.19	128.27
28 13 33 16-0225 EA Master Stations, 10 Station Intercommunication Equipment.....	990.67	248.32
28 13 33 16-0226 EA Master Station, Desk Style Remote Intercommunication Equipment.....	279.76	64.13
28 13 33 16-0227 EA Master Station, Flush Wall Remote Intercommunication Equipment	371.02	106.89
28 13 33 16-0228 EA Sound System Outlet, Protector.....	102.68	41.85
28 13 33 16-0229 EA Sound System Microphone Outlet	186.07	85.68
28 13 33 16-0230 EA Sound System Speaker Ceiling Or Wall	130.09	41.85
28 13 33 16-0231 EA Sound System Monitor Panel	361.12	85.68
28 13 33 16-0232 EA Sound System Volume Control.....	115.32	41.85
28 13 33 16-0233 EA Sound System Amplifier 250 W	1,642.88	342.63
28 13 33 16-0234 EA Sound System Cabinet	1,033.20	342.63
28 13 33 16-0235 Master Door Stations (28 13 33 16-0222)		
28 13 33 16-0236 EA Master Door Stations, Button Buzzer Type, 25 Station..... <i>For Intercom Type Master Door Station, Add</i>	1,581.92 105.30	
28 13 33 16-0237 EA Master Door Stations, Button Buzzer Type, 50 Station..... <i>For Intercom Type Master Door Station, Add</i>	2,624.25 170.59	
28 13 33 16-0238 EA Master Door Stations, Button Buzzer Type, 75 Station..... <i>For Intercom Type Master Door Station, Add</i>	3,616.13 221.13	
28 13 33 16-0239 EA Master Door Stations, Button Buzzer Type, 100 Station..... <i>For Intercom Type Master Door Station, Add</i>	4,126.36 259.04	
28 13 33 16-0240 EA Master Door Stations, Button Buzzer Type, 150 Station..... <i>For Intercom Type Master Door Station, Add</i>	4,934.36 379.08	
28 13 33 16-0241 EA Master Door Stations, Button Buzzer Type, 200 Station..... <i>For Intercom Type Master Door Station, Add</i>	5,739.89 488.59	
28 13 33 16-0242 EA Master Door Stations, Button Buzzer Type, 250 Station..... <i>For Intercom Type Master Door Station, Add</i>	7,206.82 631.80	
28 13 33 16-0243 EA Master Door Stations, Button Buzzer Type, 300 Station..... <i>For Intercom Type Master Door Station, Add</i>	8,644.05 724.46	
28 13 33 16-0244 EA Transformer	109.61	
28 13 33 16-0245 EA Door Opener	162.62	
28 13 33 16-0246 EA Buzzer With Door Release And Plate	203.76	
28 13 33 16-0247 EA Amplifier For Intercom Type Unit	307.16	
28 13 33 16-0248 EA Speaker With Door Release	132.42	
28 13 53 Security Access Detection (28 13)		
28 13 53 13 Security Access Metal Detectors (28 13 53)		
28 13 53 13-0001 EA Hand-Held Metal Detector	207.30	20.56
28 13 53 13-0002 EA Walk-Through Metal Detector, Complete Unit	4,852.90	328.90

28 20 Electronic Surveillance (28)

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and termination.

28 23 Video Surveillance (28 20)

28 23 00 00-0001 Closed Circuit Television And Surveillance Systems (Vicon) (28 23) Note: Includes a 3 year manufacturer's warranty. Use Vicon replacement models, "or equal", when the listed models are superseded.		
28 23 00 00-0002 Vicon CCTV Factory Project Management Program (28 23 00 00-0001) Note: For first time installations at a facility.		
28 23 00 00-0003 EA Factory Project Management Program For 1 To 20 Camera System Vicon CCTV Installation Support..... Note: Includes two site visits by a Vicon technical representative. First site visit to generate punch list and 2nd site visit for final inspection and training.	3,499.80	
28 23 00 00-0004 EA Factory Project Management Program For 21 To 40 Camera System Vicon CCTV Installation Support..... Note: Includes two site visits by a Vicon technical representative. First site visit to generate punch list and 2nd site visit for final inspection and training.	4,374.75	
28 23 00 00-0005 EA Factory Project Management Program For >40 Camera System Vicon CCTV Installation Support..... Note: Includes three site visits by a Vicon technical representative. First site visit during installation commencement, 2nd to generate punch list, and 3rd site visit for final inspection and training.	5,249.70	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0006				Digital Video Transport And Storage Systems <small>(28 23 00 00-0001)</small>		
28 23 00 00-0007				Kollector Pro Digital Recorders <small>(28 23 00 00-0006)</small>		
28 23 00 00-0008	EA			2-Port KVM Switch..... 126.15	126.15	9.23
				Note: Allows control of two Kollectors from one keyboard, mouse, and monitor. Vicon model VTK-205I.		
28 23 00 00-0009	EA			16-Channel Digital Recorder, 30 fps, 160 GB HDD 4,047.98	4,047.98	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX30-160.		
28 23 00 00-0010	EA			16-Channel Digital Recorder, 30 fps, 160 GB HDD 4,336.72	4,336.72	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog video matrix. Vicon model KPX30M-160.		
28 23 00 00-0011	EA			16-Channel Digital Recorder, 30 fps, 320 GB HDD 4,501.56	4,501.56	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX30-320.		
28 23 00 00-0012	EA			16-Channel Digital Recorder, 30 fps, 320 GB HDD 4,790.29	4,790.29	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX30M-320.		
28 23 00 00-0013	EA			16-Channel Digital Recorder, 30 fps, 500 GB HDD 4,956.18	4,956.18	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX30-500.		
28 23 00 00-0014	EA			16-Channel Digital Recorder, 30 fps, 500 GB HDD 5,244.92	5,244.92	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX30M-500.		
28 23 00 00-0015	EA			16-Channel Digital Recorder, 60 fps, 250 GB HDD 4,899.48	4,899.48	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX60-250.		
28 23 00 00-0016	EA			16-Channel Digital Recorder, 60 fps, 250 GB HDD 5,188.22	5,188.22	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX60M-250.		
28 23 00 00-0017	EA			16-Channel Digital Recorder, 60 fps, 400 GB HDD 5,466.45	5,466.45	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX60-400.		
28 23 00 00-0018	EA			16-Channel Digital Recorder, 60 fps, 400 GB HDD 5,755.19	5,755.19	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX60M-400.		
28 23 00 00-0019	EA			16-Channel Digital Recorder, 60 fps, 660 GB HDD 6,034.47	6,034.47	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KP60-660.		
28 23 00 00-0020	EA			16-Channel Digital Recorder, 60 fps, 660 GB HDD 6,323.20	6,323.20	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX60M-660.		
28 23 00 00-0021	EA			16-Channel Digital Recorder, 120 fps, 250 GB HDD 6,091.17	6,091.17	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-250.		
28 23 00 00-0022	EA			16-Channel Digital Recorder, 120 fps, 250 GB HDD 6,379.90	6,379.90	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-250.		
28 23 00 00-0023	EA			16-Channel Digital Recorder, 120 fps, 500 GB HDD 6,942.67	6,942.67	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-500.		
28 23 00 00-0024	EA			16-Channel Digital Recorder, 120 fps, 500 GB HDD 7,231.40	7,231.40	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-500.		
28 23 00 00-0025	EA			16-Channel Digital Recorder, 120 fps, 900 GB HDD 8,077.65	8,077.65	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-900.		
28 23 00 00-0026	EA			16-Channel Digital Recorder, 120 fps, 900 GB HDD 8,366.39	8,366.39	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-900.		
28 23 00 00-0027	EA			16-Channel Digital Recorder, 120 fps, 1200 GB HDD 8,936.50	8,936.50	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-1200.		
28 23 00 00-0028	EA			16-Channel Digital Recorder, 120 fps, 1200 GB HDD 9,225.24	9,225.24	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-1200.		
28 23 00 00-0029	EA			16-Channel Digital Recorder, 240 fps, 320 GB HDD 8,929.15	8,929.15	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX240-320.		
28 23 00 00-0030	EA			16-Channel Digital Recorder, 240 fps, 320 GB HDD 9,217.89	9,217.89	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX240M-320.		
28 23 00 00-0031	EA			16-Channel Digital Recorder, 240 fps, 900 GB HDD 10,631.11	10,631.11	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX240-900.		
28 23 00 00-0032	EA			16-Channel Digital Recorder, 240 fps, 900 GB HDD 10,919.84	10,919.84	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX240M-900.		
28 23 00 00-0033	EA			16-Channel Digital Recorder, 240 fps, 1200 GB HDD 11,482.61	11,482.61	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX24-1200.		
28 23 00 00-0034	EA			16-Channel Digital Recorder, 240 fps, 1200 GB HDD 11,771.34	11,771.34	20.59
				Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX24M-1200.		
28 23 00 00-0035				Kollector Elite Digital Recorders And Master Workstations <small>(28 23 00 00-0006)</small>		
28 23 00 00-0036	EA			16-Channel Digital Recorder, 120 fps, 250 GB Internal HDD 8,587.92	8,587.92	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-250.		
28 23 00 00-0037	EA			16-Channel Digital Recorder, 120 fps, 500 GB Internal HDD 9,439.43	9,439.43	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-500.		
28 23 00 00-0038	EA			16-Channel Digital Recorder, 120 fps, 900 GB Internal HDD 10,290.93	10,290.93	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-900.		
28 23 00 00-0039	EA			16-Channel Digital Recorder, 120 fps, 1200 GB Internal HDD 11,143.48	11,143.48	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-1200.		
28 23 00 00-0040	EA			16-Channel Digital Recorder, 120 fps, 1600 GB Internal HDD 12,277.41	12,277.41	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-1600.		
28 23 00 00-0041	EA			16-Channel Digital Recorder, 240 fps, 320 GB Internal HDD 11,000.69	11,000.69	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-300.		
28 23 00 00-0042	EA			16-Channel Digital Recorder, 240 fps, 660 GB Internal HDD 11,851.14	11,851.14	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-660.		
28 23 00 00-0043	EA			16-Channel Digital Recorder, 240 fps, 900 GB Internal HDD 12,702.64	12,702.64	20.59
				Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-900.		

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0044 EA 16-Channel Digital Recorder, 240 fps, 1200 GB Internal HDD Note: Kollektor Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-1200.	13,553.09	20.59
28 23 00 00-0045 EA 16-Channel Digital Recorder, 240 fps, 1600 GB Internal HDD Note: Kollektor Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-1600.	14,692.28	20.59
28 23 00 00-0046 EA 16-Channel Digital Recorder, 480 fps, 250 GB Internal HDD Note: Kollektor Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX480M-250.	13,726.33	20.59
28 23 00 00-0047 EA 16-Channel Digital Recorder, 480 fps, 1200 GB Internal HDD Note: Kollektor Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX480M-1200.	16,138.04	20.59
28 23 00 00-0048 EA 16-Channel Digital Recorder, 480 fps, 1600 GB Internal HDD Note: Kollektor Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX480M-1600.	17,301.38	20.59
28 23 00 00-0049 Kollektor Network Servers (28 23 00 00-0006)		
28 23 00 00-0050 EA Kollektor Network Server, 120 fps, 40 GB HD, 4 Sensor Channels Note: 16-Channel networked digital video server, NTSC/EIA and PAL/CCIR. Includes ViconNet software for local viewing of live and recorded video. Windows XP. Vicon model KNS120-40.	4,331.12	20.59
28 23 00 00-0051 EA Kollektor Network Server, 120 fps, 400 GB HD, 4 Sensor Channels Note: 16-Channel networked digital video server, NTSC/EIA and PAL/CCIR. Includes ViconNet software for local viewing of live and recorded video. Windows XP. Vicon model KNS120-400.	5,608.54	20.59
28 23 00 00-0052 EA Kollektor Network Server, 120 fps, 800 GB HD, 4 Sensor Channels Note: 16-Channel networked digital video server, NTSC/EIA and PAL/CCIR. Includes ViconNet software for local viewing of live and recorded video. Windows XP. Vicon model KNS120-800.	7,169.46	20.59
28 23 00 00-0053 ViconNet IP Video Servers And Camera/Server (28 23 00 00-0006)		
28 23 00 00-0054 EA ViconNet 1-Channel Video Server Note: Accepts 1 analog video input for transmission over TCP/IP network (30 fps total). Includes ViconNet VN100V3 4-channel viewing software. Vicon model VN-301TV3.	926.51	20.59
28 23 00 00-0055 EA ViconNet 4-Channel Digital Video Server Note: 120 fps, ViconNet VN100V3 4-channel viewing software. Vicon model KTX-4.	1,652.02	20.59
28 23 00 00-0056 EA IP Camera/ 4-Channel Digital Video Server Note: 120 fps, ViconNet Version 3.0; audio input/output; power over ethernet capability. Vicon model VN-755IPV3.	1,211.05	20.59
28 23 00 00-0057 EA Alarm/Audio Accessory Kit For VN-755IP Note: Provides for alarm and audio capability. Vicon model VN-755KIT.	45.55	8.23
28 23 00 00-0058 EA Double Width Rack Kit For Use With KTX-4 IP Encoder Note: Mounts two (2) KTX-4 encoders in standard 19" rack. Vicon model KX-4-RK2.	123.19	4.90
28 23 00 00-0059 ViconNet Software Enhancement (28 23 00 00-0006)		
28 23 00 00-0060 EA Viconnet Software Enhancements For Kollektor Elite Recorders Note: Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KE-SE.	1,111.26	
28 23 00 00-0061 EA Viconnet Software Enhancements For Kollektor Pro Recorders..... Note: Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KPR-SE.	962.82	
28 23 00 00-0062 EA Viconnet Software Enhancements For Kollektor Network Servers Note: Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KN-SE.	722.43	
28 23 00 00-0063 EA Viconnet Software Enhancements For Master Workstations Note: For ViconNet VN1000/5000 master workstations and software. Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-SW-1000-SE.	246.00	
28 23 00 00-0064 EA Viconnet Software Enhancements For 16-Channel Viewer Software Note: For ViconNet VN500. Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-SW-500-SE.	73.85	
28 23 00 00-0065 ViconNet Software Maintenance Programs (28 23 00 00-0006)		
28 23 00 00-0066 EA ViconNet Software Maintenance For Kollektor Elite Recorders Note: Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KE-SM.	141.00	
28 23 00 00-0067 EA ViconNet Software Maintenance For Kollektor Pro Recorders Note: Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KPR-SM.	126.15	
28 23 00 00-0068 EA ViconNet Software Maintenance For Master Workstations Note: For ViconNet VN1000/5000 master workstations and software. Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-1000-SM.	66.80	
28 23 00 00-0069 EA ViconNet Software Maintenance For 16-Channel Viewer Note: For ViconNet VN500. Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-500-SM.	37.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0070				ViconNet Options <small>(28 23 00 00-0006)</small>		
			EA	16-Bay Raid Storage Unit, 16-160 GB Hot Swappable Hard Drives..... Note: Used with Kollektor Elite and Pro Recorders. Provides RAID 3 protection. Vicon model VN-RAID-16-160.	12,772.63	20.59
			EA	16-Bay Raid Storage Unit, 16-250 GB Hot Swappable Hard Drives..... Note: Used with Kollektor Elite and Pro Recorders. Provides RAID 3 protection. Vicon model VN-RAID-16-250.	15,371.24	20.59
			EA	Network Switch, 8-Channel LAN Connections..... Note: 10/100 Autosensing ports. Vicon model NETSWITCH-8.	170.40	13.72
			EA	Network Switch, 16-Channel LAN Connections..... Note: 10/100 Autosensing ports. Vicon model NETSWITCH-16.	217.65	13.72
			EA	Network Switch, 24-Channel LAN Connections..... Note: 10/100/1000 Autosensing ports. Vicon model NETSWITCH-24.	870.36	13.72
			EA	Uninterruptible Power Supply, Desk-top, 725 VA/450W..... Note: USB control port, 120 VAC input/output. Vicon model V725-UPS.	186.15	13.72
			EA	8-Bay Raid Storage Unit, 8-250 GB Hot Swappable Hard Drives..... Note: Used with Kollektor Elite and Pro Recorders. Provides RAID 3 protection, includes eight 250 GB hot swappable hard drives. Vicon model VN-RAID-8-250.	8,190.00	20.59
			EA	17" S-VGA Monitor..... Note: For use with Kollektor Elite and Kollektor Pro Recorders and VN-NVR Workstation. Vicon model VN-MON.	331.39	13.72
			EA	17" S-VGA TFT LCD Monitor..... Note: For use with Kollektor Elite and Kollektor Pro Recorders and VN-NVR Workstation. Vicon model VN-17FLT.	737.37	13.72
			EA	PC-To-TV Converter, Self-Powered USB Interface..... Note: VGA in and VGA out connections, composite and S-video (NTSC) output. Vicon model VGEZ-1000.	162.00	13.72
28 23 00 00-0081				AurorACorD Digital Video Multiplexer And Recorder <small>(28 23 00 00-0006)</small>		
			EA	Digital Video Multiplexer And Recorder, 30 fps, 80 GB HDD..... Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-FCD80.	2,624.96	20.59
			EA	Digital Video Multiplexer And Recorder, 30 fps, 160 GB HDD..... Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-FCD160.	2,771.96	20.59
			EA	Digital Video Multiplexer And Recorder, 30 fps, 2-160 GB HDDs..... Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-CD320.	3,144.68	20.59
			EA	Digital Video Multiplexer And Recorder, 30 fps, 2-250 GB HDDs..... Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-CD500.	3,571.66	20.59
28 23 00 00-0086				AurorACorD Options <small>(28 23 00 00-0006)</small>		
			EA	Remote Keyboard..... Note: Also used for AurorA2000. Note: Provides control for up to 16 AurorA 2000 or AurorACorD units and 16 VCRs. Vicon model AUR2K-KBD.	614.88	13.72
28 23 00 00-0088				Digital Video Recorders <small>(28 23 00 00-0006)</small>		
			EA	4-Channel Digital Video Recorder, 120 GB Hard Drive, 30 fps..... Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-12CD.	1,394.78	20.59
			EA	4-Channel Digital Video Recorder, 300 GB Hard Drive, 30 fps..... Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-30CD.	1,636.27	20.59
			EA	8-Channel Digital Video Recorder, 300 GB Hard Drive, 30 fps..... Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-30CD.	2,203.24	20.59
			EA	4-Channel Digital Video Recorder, 500 GB Hard Drive, 30 fps..... Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-50CD.	2,218.99	20.59
28 23 00 00-0093				ViconNet Network Video Recorder Software Version 3.0 <small>(28 23 00 00-0006)</small>		
			EA	ViconNet NVR And Workstation Software..... Note: For use with ViconNet 3.0 digital recorders, video servers and ViconNet IP cameras. Single PC license. Vicon model VN1000V3	1,494.53	
			EA	ViconNet Multi-Pack, 10 User License Pack Of VN1000V3 NVR..... Note: Vicon model VN1000V3-10.	8,470.92	
			EA	ViconNet 16-Channel Viewer Software, Version 3..... Note: Single PC license. Vicon model VN500V3.	648.28	
			EA	ViconNet 4-Channel Viewer Software, Version 3..... Note: Single PC license. Vicon model VN500V3.	213.60	
			EA	ViconNet-Hirsch Integration Software..... Note: To use ViconNet on a Hirsch Velocity access control workstation. Vicon model VN-HIRSCH-INT.	4,282.12	
28 23 00 00-0099				Network Video Recorders Version 3.0 <small>(28 23 00 00-0006)</small>		
			EA	Network Video Recorder, 80 GB Internal HDD Storage..... Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-80.	3,622.76	20.59
			EA	Network Video Recorder, 800 GB Internal HDD Storage..... Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-800.	5,891.68	20.59
			EA	Network Video Recorder, 1200 GB Internal HDD Storage..... Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-1200.	7,043.46	20.59
			EA	Network Video Recorder, 1600 GB Internal HDD Storage..... Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-1600.	8,166.90	20.59

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0104 ViconNet Version 3.0 Compatible Keypads Interface Converter <small>(28 23 00 00-0006)</small>		
28 23 00 00-0105 EA RS-252/RS-422 Interface Converter.....252.45 Note: Required to allow matrix keyboard to work with all PC workstations and Kollector Elites and Pros with older version hardware backpanels (with RJ-45 connectors). Vicon model V422-CONV.	252.45	20.59
28 23 00 00-0106 Cameras And Accessories <small>(28 23 00 00-0001)</small>		
28 23 00 00-0107 Camera Dome Systems And Cameras <small>(28 23 00 00-0106)</small>		
28 23 00 00-0108 SurveyorVFT 22X High Sensitivity IP Camera Dome Systems <small>(28 23 00 00-0107)</small>		
28 23 00 00-0109 EA Indoor/In-Ceiling, Color Camera Dome.....2,424.49 Note: Vicon model SVFT-C22. Includes variable-speed drive, in-ceiling metal housing, 22X high-sensitivity high-resolution color camera/lens with ExView technology and smoked lower dome.	2,424.49	120.52
28 23 00 00-0110 EA Indoor/Pendant, Color Camera Dome.....2,566.46 Note: Vicon model SVFT-P22. Includes variable-speed drive; pendant upper housing, 22X high-sensitivity high-resolution color camera/lens with ExView technology and smoked lower dome.	2,566.46	127.58
28 23 00 00-0111 EA Outdoor Camera Dome.....2,636.36 Note: Vicon model SVFT-W22. Includes variable-speed drive, environmental housing, 22X high-sensitivity high-resolution camera/lens with ExView technology and clear outer dome.	2,636.36	131.05
28 23 00 00-0112 SurveyorVFT 23X Day/Night Camera Dome Systems <small>(28 23 00 00-0107)</small>		
28 23 00 00-0113 EA Indoor In-Ceiling Day/Night Camera Dome.....2,636.71 Note: Includes variable-speed drive, in-ceiling metal housing, 23X day/night camera/lens with wide dynamic range and smoked lower dome. Vicon model SVFT-C23.	2,636.71	131.05
28 23 00 00-0114 EA Indoor Pendant Day/Night Camera Dome .....2,778.33 Note: Includes variable-speed drive, pendant upper housing, 23X day/night camera/lens with wide dynamic range and smoked lower dome. Vicon model SVFT-P23.	2,778.33	138.11
28 23 00 00-0115 EA Outdoor Day/Night Camera Dome .....2,848.23 Note: Includes variable-speed drive, environmental housing, 23X high-resolution day/night camera/lens with wide dynamic range and clear outer dome. Vicon model SVFT-W23.	2,848.23	141.59
28 23 00 00-0116 SurveyorVFT 35X Day/Night Camera Dome Systems <small>(28 23 00 00-0107)</small>		
28 23 00 00-0117 EA Outdoor Day/Night Camera Dome .....3,253.59 Note: Includes variable speed drive, environmental housing, 35X high-resolution day/night camera/lens with wide dynamic range and image stabilization and clear outer dome. Vicon model SVFT-W35.	3,253.59	163.22
28 23 00 00-0118 SurveyorVFT 22X Cost Effective Camera Dome Systems <small>(28 23 00 00-0107)</small>		
28 23 00 00-0119 EA Indoor/In-Ceiling, Color Camera Dome .....1,727.72 Note: Vicon model SVFT-C22CA. Includes variable-speed drive, housing, 22X high-resolution color camera/lens and smoked lower dome.	1,727.72	85.89
28 23 00 00-0120 EA Indoor/Pendant, Color Camera Dome .....1,780.15 Note: Vicon model SVFT-P22CA. Includes variable-speed drive, housing, 22X high-resolution color camera/lens and smoked lower dome.	1,780.15	88.50
28 23 00 00-0121 EA Outdoor Variable-Speed Color Camera Dome .....1,869.69 Note: Vicon model SVFT-W22CA. Includes camera drive, environmental housing, 22X high-resolution color camera/lens and clear outer dome.	1,869.69	92.94
28 23 00 00-0122 SurveyorVFT Indoor Lower Dome Options <small>(28 23 00 00-0107)</small>		
28 23 00 00-0123 EA Smoked Lower Dome, For SurveyorVFT Indoor Domes.....61.16 Note: Vicon model SVFT-SMK.	61.16	3.04
28 23 00 00-0124 EA Chrome Lower Dome, For SurveyorVFT Indoor Domes .....133.23 Note: Vicon model SVFT-CHR.	133.23	6.63
28 23 00 00-0125 EA Gold Lower Dome, For SurveyorVFT Indoor Domes .....203.13 Note: Vicon model SVFT-GLD.	203.13	10.10
28 23 00 00-0126 SurveyorVFT Video Transmission Options <small>(28 23 00 00-0107)</small>		
28 23 00 00-0127 EA Fiber Optic Option, For SurveyorVFT Domes .....840.93 Note: Vicon "F" option. Add -F suffix to any Surveyor VFT dome model number and substitute -30 at the end of the product code. (ex: SVFT-C22 (8701-00) becomes SVFT-C22-F (8701-30)). Use with VF-1400 series fiber receivers only (found in Fiber optic section).	840.93	41.80
28 23 00 00-0128 EA NVT Twisted Pair Option, For SurveyorVFT Domes .....34.95 Note: Vicon "T" option. Add -T suffix to any Surveyor VFT dome model number and substitute -40 at the end of the product code. (ex: SVFT-C22 (8701-00) becomes SVFT-C22-T (8701-40)).	34.95	1.74
28 23 00 00-0129 EA ViconNet TCP/IP Option, For SurveyorVFT Domes.....805.58 Note: Vicon "V3" option. Add "V3" suffix to any SurveyorVFT dome model number and substitute -25 at the end of the product code. (ex: SVFT-C22 (8701-00) becomes SVFT-C22-V3 (8701-25)).	805.58	41.80
28 23 00 00-0130 SurveyorVFT Hardware Options <small>(28 23 00 00-0107)</small>		
28 23 00 00-0131 EA Upgrade Kit, Converts Non-IP SurveyorVFT Domes To IP Version.....982.91 Note: Vicon model SVFT-IP-UPG.	982.91	48.86



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0132				SurveyorVFT Pressurized Camera Dome Systems And Accessories <small>(28 23 00 00-0107)</small>		
	EA			Wall Mount For SurveyorVFT Pressurized Domes 174.74	174.74	8.68
				Note: Vicon model SVFT-PR-WMA.		
	EA			Pipe Adapter 104.85	104.85	5.21
				Note: For mounting SurveyorVFT Pressurized Domes to 1-1/2" diameter pipe. Vicon model SVFT-PR-P.		
	EA			Fiber Optic Option For SurveyorVFT Pressurized Domes 1,583.56	1,583.56	78.72
				Note: Add -F suffix to any Surveyor VFT Pressurized dome model number and substitute -30 at the end of the product code. (ex: SVFT-PRS23 (8769-00) becomes SVFT-PRS23-F (8769-30)). Use with VF-1400 series fiber receivers only (found in fiber optic section). Vicon model "F" Pressurized Option.		
	EA			NVT Twisted Pair Option For SurveyorVFT Pressurized Domes 34.95	34.95	1.74
				Note: Add -T suffix to any Surveyor VFT Pressurized dome model number and substitute -40 at the end of the product code. (ex: SVFT-PRS23 (8769-00) becomes SVFT-PRS23-T (8769-40)). Vicon model "T" Pressurized Option.		
	EA			VICONNET TCP/IP Option For SurveyorVFT Pressurized Domes 1,150.74	1,150.74	57.22
				Note: Add "V3-V" suffix to any SurveyorVFT pressurized dome model number and substitute -25 at the end of the product code. Vicon model "V3" Pressurized Option. (ex: SVFT-PRS23 (8769-00) becomes SVFT-PRS23-V3 (8769-25)).		
	EA			Pressurized Camera Dome 3,412.08	3,412.08	182.64
				Note: Includes variable-speed camera drive, 22X high-resolution color camera with ExView technology and cast aluminum upper housing with clear lower dome. Vicon model SVFT-PRS22E.		
	EA			Pressurized Camera Dome, Day/Night, 23X High-Resolution 3,608.23	3,608.23	189.15
				Note: Includes variable-speed drive, 23X high-resolution day/night camera with wide dynamic range, cast aluminum upper housing and clear lower dome. Vicon model SVFT-PRS23.		
	EA			Pressurized Camera Dome, Day/Night, 35X High-Resolution 3,927.41	3,927.41	189.15
				Note: Includes variable-speed drive, 35X high-resolution day/night camera with wide dynamic range and image stabilization, cast aluminum upper housing and clear lower dome. Vicon model SVFT-PRS35.		
	EA			Pre-Wired Coaxial Cable 247.79	247.79	
				Note: For use with Surveyor VFT pressurized dome Vicon model SVFT-PRC12.		
	EA			Pre-Wired Twisted Pair Cable 268.78	268.78	
				Note: For use with Surveyor VFT pressurized dome Vicon model SVFT-PRC12T.		
28 23 00 00-0143				SurveyorVFT Impact-Resistant Camera Domes And Accessories <small>(28 23 00 00-0107)</small>		
	EA			Impact-Resistant Camera Dome, 22X High-Resolution Camera Lens 2,204.32	2,204.32	109.58
				Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 22X high-resolution color camera/lens. Vicon model SVFT-M22.		
	EA			Impact-Resistant Camera Dome, 22X High-Resolution Camera Lens 2,778.88	2,778.88	164.50
				Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 22X high-sensitivity high-resolution color camera/lens with ExView technology. Vicon model SVFT-M22E.		
	EA			Impact-Resistant Camera Dome, 23X High-Resolution Camera Lens 3,001.73	3,001.73	177.70
				Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 23X high-resolution day/night color camera with wide dynamic range. Vicon model SVFT-M23.		
	EA			Impact-Resistant Camera Dome, 35X High-Resolution Camera Lens 3,419.95	3,419.95	202.45
				Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 35X high-resolution day/night color camera with wide dynamic range and image stabilization. Vicon model SVFT-M35.		
28 23 00 00-0148				SurveyorVFT Fixed Camera Domes, Color <small>(28 23 00 00-0107)</small>		
	EA			Outdoor Fixed Camera Dome, 5-50 mm Varifocal Lens 1,044.05	1,044.05	51.90
				Note: Includes 1/3" ExView high-resolution color camera, 5-50 mm varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-W550A.		
	EA			In-Ceiling Fixed Camera Dome, 3.3-12 mm Autoiris Varifocal Lens 618.48	618.48	30.73
				Note: Includes 1/3" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-C3312.		
	EA			Pendant Fixed Camera Dome, 3.3-12 mm Autoiris Varifocal Lens 670.91	670.91	33.33
				Note: Includes 1/3" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-P3312.		
	EA			Outdoor Fixed Camera Dome, 3.3-12 mm Autoiris Varifocal Lens 830.71	830.71	41.26
				Note: Includes 1/3" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-W3312.		
	EA			Outdoor Fixed Camera Dome, 3.3-1 mm Autoiris Varifocal Lens, D/N 937.04	937.04	46.58
				Note: Includes 1/4" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-W3312DN.		
28 23 00 00-0154				SurveyorVFT Power Supplies For Camera Domes <small>(28 23 00 00-0107)</small>		
	EA			Power Supply, 28 Volt AC Output, 2.5 Amps 30.58	30.58	1.52
				Note: For indoor SurveyorVFT camera domes. Vicon model S28PS-1.		
	EA			Power Supply, 28 Volt AC Output, 4 Amps 43.68	43.68	2.17
				Note: For outdoor SurveyorVFT camera domes. Vicon model S28WPS-1.		
	EA			Power Supply, 120 Volt AC Input / 24 Volt AC Output For Camera Domes, UL Listed Class 2/3 34.43	34.43	1.52
				Note: For outdoor SurveyorVFT camera domes. Vicon model S24WPS-1.		
	EA			Power Supply, Four-Channel, 120 Volt AC Input, 24/28 Volt AC Output 174.74	174.74	8.68
				Note: 7/6.25 amps (total). Vicon model V2448-175PS.		
	EA			Power Supply, Eight-Channel, 120 Volt AC Input, 24/28 Volt AC Output 227.16	227.16	11.29
				Note: 12.5/10 amps (total). Vicon model V248-300PS.		
	EA			Power Supply, Eight-Channel, 120 Volt AC Input, 24 Volt AC Output 262.10	262.10	13.03
				Note: 25 amps (total). Vicon model V248-600PS.		
	EA			Power Supply, Sixteen-Channel, 120 Volt AC Input, 24/28 Volt AC Output 388.79	388.79	19.33
				Note: 25/20 amps (total). Vicon model V2416-300PS.		
	EA			Power Supply, Heavy Duty Single-Channel 83.00	83.00	4.13
				Note: For use with SurveyorVFT pressurized and outdoor impact-resistant camera domes; 28 VAC output, 6.25 amps. Vicon model S28HD-PS.		

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0163			SurveyorVFT Dome Mounting Options <small>(28 23 00 00-0107)</small>		
28 23 00 00-0164	EA		Ceiling Panel Support, For SurveyorVFT Camera Dome Systems 69.89 Note: Vicon model SVFT-UCP.	69.89	3.47
28 23 00 00-0165	EA		Wall Mount, Indoor/Outdoor, For SurveyorVFT Camera Dome Systems 126.68 Note: Vicon model SVFT-UWM.	126.68	6.29
28 23 00 00-0166	EA		Wall Mount, Indoor/Outdoor, Short 85.19 Note: For SurveyorVFT camera dome systems. Vicon model SVFT-WM.	85.19	4.24
28 23 00 00-0167	EA		Ceiling Mount, Indoor/Outdoor For SurveyorVFT Camera Dome System 43.68 Note: Vicon model SVFT-UCM.	43.68	2.17
28 23 00 00-0168	EA		Goose Neck Parapet Mount For SurveyorVFT Camera Dome Systems 281.77 Note: Vicon model SVFT-UPM-1.	281.77	14.00
28 23 00 00-0169	EA		Goose Neck Roof Mount For SurveyorVFT Camera Dome Systems 458.69 Note: Vicon model SVFT-URM-1.	458.69	22.80
28 23 00 00-0170	EA		In-Ceiling Mount Kit For SurveyorVFT Camera Dome Systems 43.68 Note: Vicon model SVFT-IC-KT.	43.68	2.17
28 23 00 00-0171			Cost-Effective Impact-Resistant Camera Dome <small>(28 23 00 00-0107)</small>		
28 23 00 00-0172	EA		Outdoor 3" Camera Dome, Color 3.3-12mm Varifocal Autoiris Lens 425.69 Note: 550 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600W.	425.69	20.59
28 23 00 00-0173	EA		Outdoor 3" Camera Dome, Color 3.3-12mm Varifocal Autoiris Lens 486.59 Note: Day/Night. 550 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600WDN.	486.59	20.59
28 23 00 00-0174	EA		Outdoor 3" Camera Dome, IR Illuminated, Color 3.7mm Fixed Lens 458.24 Note: 550 HTVL, day/night, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600WIR.	458.24	20.59
28 23 00 00-0175	EA		Outdoor 3" Camera Dome, Color 3.3-12mm Varifocal Autoiris Lens 529.63 Note: Wide dynamic range, color 3.3-12mm varifocal autoiris lens, 480 HTVL, day/night, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-610W.	529.63	20.59
28 23 00 00-0176			Fixed Position Domes <small>(28 23 00 00-0107)</small>		
28 23 00 00-0177	EA		3" Camera Dome, Color, 3.3-12mm Varifocal Autoiris Lens 359.54 Note: 550 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600.	359.54	20.59
28 23 00 00-0178	EA		3" Camera Dome, Color, 3.3-12mm Varifocal Autoiris Lens 500.24 Note: 480 HTVL, wide dynamic range, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-610.	500.24	20.59
28 23 00 00-0179	EA		Adapter Plate 20.83 Note: To mount the VC-600/VC-610 into a 4" x 4" electrical box. Vicon model VC-610.	20.83	2.06
28 23 00 00-0180			Roughneck V926 Impact Resistant Camera Domes <small>(28 23 00 00-0107)</small>		
28 23 00 00-0181	EA		In-Ceiling Dome Camera, Outdoor, 2.8 mm Varifocal Autoiris Lens 452.13 Note: Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 2.8 mm varifocal autoiris lens, heater and smoked lower dome. Vicon model V926FF-CA.	452.13	22.48
28 23 00 00-0182	EA		In-Ceiling Dome Camera, Outdoor, 3.36-12 Varifocal Autoiris Lens 600.31 Note: Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 3.36-12mm varifocal autoiris lens, heater and smoked lower dome. Vicon model V926-W3312.	600.31	29.86
28 23 00 00-0183	EA		In-Ceiling Dome Camera, Outdoor, 3.3-12 Varifocal Autoiris Lens 626.52 Note: Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 3.3-12mm varifocal autoiris lens, heater and smoked lower dome; UTP video transmission. Vicon model V926-W3312T.	626.52	31.16
28 23 00 00-0184	EA		In-Ceiling Dome Camera, 3.3-12mm Varifocal Autoiris Lens 685.36 Note: Outdoor, includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 3.3-12mm varifocal autoiris lens, heater and smoked lower dome; UTP video transmission. Vicon model V926W3312DN.	685.36	29.86
28 23 00 00-0185			Roughneck V910 Impact Resistant Camera Domes <small>(28 23 00 00-0107)</small>		
28 23 00 00-0186	EA		Surface Mount Dome Camera, 2.8mm Varifocal Autoiris Lens 452.13 Note: Outdoor. Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 2.8 mm varifocal autoiris lens, heater and smoked lower dome. Vicon model V910FF-CA.	452.13	22.48
28 23 00 00-0187	EA		Surface Mount Dome Camera, 3.3-12mm Varifocal Autoiris Lens 626.52 Note: Outdoor. Includes 1/3-in. high-resolution color camera with ExView high-sensitivity CCD and 3.3-12 mm varifocal autoiris lens and heater; UTP video transmission, 24 VAC. Vicon model V910-W3312T.	626.52	31.16
28 23 00 00-0188	EA		Surface Mount Day/Night Outdoor Dome Camera 706.21 Note: Includes 1/4" high-resolution color/monochrome camera and 3.3-12mm day/night varifocal autoiris lens and heater, 24 VAC. Vicon model V910-W3312DN.	706.21	35.07
28 23 00 00-0189	EA		Surface Mount Dome Camera, 3.3-12mm Varifocal Autoiris Lens 600.31 Note: Outdoor. Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD and 3.3-12mm varifocal autoiris lens and heater, 24 VAC. Vicon model V910-W3312.	600.31	29.86
28 23 00 00-0190			Roughneck V910 Mounting Options <small>(28 23 00 00-0107)</small>		
28 23 00 00-0191	EA		Pendant Adapter, For Use With V910 Dome Series 43.33 Note: Adapts V910 to work with SVFT-UWM, SVT-WM, and SVFT-UCM pendant mounts; indoor/outdoor. Vicon model V910-PH.	43.33	2.17
28 23 00 00-0192	EA		In-Ceiling Mounting Kit, For Use With V910 Dome Series 163.82 Note: For drop ceiling installations. Vicon model V910-ICD.	163.82	8.14
28 23 00 00-0193	EA		In-Ceiling Mounting Kit, For Use With V910 Dome Series 150.71 Note: For hard ceiling installations. Vicon model V910-ICH.	150.71	7.49
28 23 00 00-0194			Roughneck V910 Fixed Impact Resistant IP Camera Dome <small>(28 23 00 00-0107)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0195 EA Surface Mount Indoor Dome Camera..... Note: UTP video transmission. Vicon model V910-3312T.	552.82	25.07
28 23 00 00-0196 EA Fixed IP Outdoor Camera Dome, 3.3-12mm Autoiris Varifocal Lens..... Note: Transmits high-quality video across the network for remote viewing and recording. Compatible with ViconNet version 3.0 Network Video Recorders (NVRs) and workstations. Surface-mount; 1/3" ExView color camera and 3.3-12mm autoiris varifocal lens; heater. Vicon model V910-W3312V3.	1,397.21	69.49
28 23 00 00-0197 EA Fixed IP Outdoor Camera Dome, 3.3-12mm Autoiris Varifocal Lens..... Note: Transmits high-quality video across the network for remote viewing and recording. Compatible with ViconNet version 3.0 Network Video Recorders (NVRs) and workstations. Surface-mount; 1/4" day/night camera and 3.3-12mm autoiris varifocal lens; heater. Vicon model V910-W3312DNV3.	1,503.09	74.70
28 23 00 00-0198 EA Fixed IP Outdoor Camera Dome, 2.8mm Autoiris Varifocal Lens..... Note: Transmits high-quality video across the network for remote viewing and recording. Compatible with ViconNet version 3.0 Network Video Recorders (NVRs) and workstations. Surface-mount; 1/3" ExView color camera and 2.8mm autoiris fixed lens; heater. Vicon model V910-28V3.	1,248.16	62.11
28 23 00 00-0199 Roughneck Corner Mount High Security Camera (28 23 00 00-0107)		
28 23 00 00-0200 EA Indoor, 1/3" High-Resolution Color Camera..... Note: With ExView CCD and isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894CSH-3312.	607.66	29.86
28 23 00 00-0201 EA Indoor, 1/4" Day/Night High-Resolution Color Camera..... Note: With isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894CSH-3312DN.	706.21	35.07
28 23 00 00-0202 Roughneck Wall Mount High Security Camera (28 23 00 00-0107)		
28 23 00 00-0203 EA Indoor, 1/3" High-Resolution Color Camera..... Note: With ExView CCD and isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894WSH-3312.	607.66	29.86
28 23 00 00-0204 EA Indoor, 1/4" Day/Night High-Resolution Camera..... Note: With isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894WSH-3312DN.	706.21	35.07
28 23 00 00-0205 Environmental Housing Cameras (28 23 00 00-0107)		
28 23 00 00-0206 EA Outdoor, 1/3" Day/Night Color Camera..... Note: 3.3-12mm Autoiris varifocal lens, 550 TVL resolution, 12VDC/24VAC; IR illumination; metallic gray aluminum. Vicon model VC-620.	504.56	25.08
28 23 00 00-0207 EA Outdoor, 1/3" Day/Night Color Camera..... Note: 5-50mm autoiris varifocal lens, 550 TVL resolution, 12VDC/24VAC; IR illumination; metallic gray aluminum. Vicon model VC-621.	1,043.18	25.08
28 23 00 00-0208 Monochrome Cameras (28 23 00 00-0107)		
28 23 00 00-0209 EA 1/3" Format, 24 Volt AC, 380 Lines Resolution..... Note: With linear shutter. Vicon model VC2153A-24.	150.71	7.49
28 23 00 00-0210 EA 1/3" Format, 24 Volt AC, 580 Lines High-Resolution..... Note: With linear shutter. Vicon model VC2430A-24.	211.86	10.53
28 23 00 00-0211 Color Cameras (28 23 00 00-0107)		
28 23 00 00-0212 EA 1/3" Format, 24 Volt AC, 330 TVL (0.2 lux)..... Note: Vicon model VC355-DSP.	211.86	10.53
28 23 00 00-0213 EA 1/3" Format, High-Resolution Color, 480 TVL (0.4 lux)..... Note: Vicon model VC365-DSP.	246.82	12.27
28 23 00 00-0214 EA 1/3" Format, High-Resolution Color, 480 TVL (0.4 lux), ExView..... Note: ExView Super HAD CCD. Vicon model VC465-DSP.	327.63	16.28
28 23 00 00-0215 EA 1/3" Format, DSP, 3.3-12mm Autoiris Varifocal Lens..... Note: 480 TVL (0.2 lux), 12VDC/24VAC. Vicon model VC-630.	345.98	16.28
28 23 00 00-0216 Day/Night Cameras (28 23 00 00-0107)		
28 23 00 00-0217 EA Day/Night Camera, 1/3" Format..... Note: 24 VAC high-resolution color/monochrome operation; 480 TVL (day) and 580 TVL (night) horizontal resolution. Vicon model VC565DN.	443.22	28.12
28 23 00 00-0218 EA Wide Dynamic Range Day/Night Camera..... Note: Color/Monochrome operation, C/CS mount, 480 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC632.	509.37	28.12
28 23 00 00-0219 Camera Power Supplies (28 23 00 00-0107)		
28 23 00 00-0220 EA Power Supply, Converts 120 Volt AC To 24 Volt AC..... Note: Vicon model VC24PS-1.	15.29	0.76
28 23 00 00-0221 EA Power Supply, For Roughneck Corner And Wall Mount Cameras..... Note: Converts 120 VAC to 12 VDC, 0.5 amps. Vicon model V894PS-12.	34.95	1.74
28 23 00 00-0222 EA Power Supply, 8-Channel, Converts 120 Volt AC To 24 Volt AC..... Note: 0.4 Amps/channel; used for fixed cameras with isolation. Vicon model V248-3.5PS.	185.65	9.23
28 23 00 00-0223 EA Power Supply, 16-Channel, Converts 120 Volt AC To 24 Volt AC..... Note: 0.5 Amps/channel; used for fixed cameras with isolation. Vicon model V2416-8PS.	345.10	17.16
28 23 00 00-0224 Pan And Tilt Devices (28 23 00 00-0106)		

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0225 Pan-And-Tilt Drives <small>(28 23 00 00-0224)</small>		
28 23 00 00-0226 EA 7.5 LB Load, Indoor, With Integral Wall Mount Note: Vicon model V3030APT.	299.24	14.88
28 23 00 00-0227 EA 7.5 LB Load, Indoor, With Square Base..... Note: For mounting on horizontal surfaces. Vicon model V3030APT-SB.	299.24	14.88
28 23 00 00-0228 EA 10 LB Load, Outdoor..... Note: Vicon model V3400APT-1.	618.13	30.73
28 23 00 00-0229 EA 35 LB Load, Outdoor..... Note: Vicon model VIST35.	830.01	41.26
28 23 00 00-0230 EA 35 LB Load, Outdoor, With Autopan Note: Vicon model VIST35-AP.	882.43	43.86
28 23 00 00-0231 EA 35 LB Load, Outdoor, With Preset Operation Note: Vicon model VIST35-P.	1,059.35	52.67
28 23 00 00-0232 EA 25 LB Load, Outdoor, Variable Speed With Preset Operation Note: Vicon model VIST-VP.	1,148.90	57.11
28 23 00 00-0233 EA 25 LB Load, Outdoor, Variable Speed With Continuous Rotation..... Note: Also with preset operation. Vicon model VIST25-VRP.	1,592.30	79.16
28 23 00 00-0234 EA 80 LB Load, Outdoor..... Note: Vicon model V390APT.	1,764.85	87.73
28 23 00 00-0235 EA 80 LB Load, Outdoor, With Preset Operation Note: Vicon model V390APT-PP.	2,107.77	104.78
28 23 00 00-0236 EA 80 LB Load, Explosion Proof Note: Meets IEC class IIC rating requirements (minimum 25 pieces order required). Vicon model V380PTX-S-VPP.	5,303.30	263.63
28 23 00 00-0237 Pan-And-Tilt Options <small>(28 23 00 00-0224)</small>		
28 23 00 00-0238 EA Square Base Option For 10 LB Load Outdoor Pan And Tilt Device..... Note: Vicon model V3400SB.	43.68	2.17
28 23 00 00-0239 Camera Housings <small>(28 23 00 00-0106)</small>		
28 23 00 00-0240 Indoor Camera Housings <small>(28 23 00 00-0239)</small>		
28 23 00 00-0241 EA 6.4" W x 12.6" L In-Ceiling, All-Plastic Construction Note: Vicon model V8612H. Tamperproof.	96.11	4.78
28 23 00 00-0242 Indoor/Outdoor Camera Housings <small>(28 23 00 00-0239)</small>		
28 23 00 00-0243 EA Small, 2-Piece Hinged Aluminum..... Note: Vicon model V9312H.	87.37	4.35
28 23 00 00-0244 EA Small, 2-Piece Hinged Aluminum, Sunshield Note: Vicon model V9312H-HS-24. Includes 24 VAC heater.	172.55	8.57
28 23 00 00-0245 EA Small, 1-Piece, Extruded Aluminum With Plastic End Caps Note: Vicon model V4.5H-12-1.	102.66	5.10
28 23 00 00-0246 EA Medium, 1-Piece, Extruded Aluminum With Plastic End Caps Note: Vicon model V4.5H-15-1.	104.85	5.21
28 23 00 00-0247 EA Medium, 2-Piece, Hinged Aluminum With Sunshield..... Note: Vicon model V9315HC-HS. Includes 24 VAC transformer, and 120 VAC heater.	192.21	9.56
28 23 00 00-0248 EA Medium, 2-Piece, Hinged Aluminum With Sunshield..... Note: Vicon model V9315H-HS-24. Includes 24 VAC heater.	187.85	9.34
28 23 00 00-0249 EA Medium, 2-Piece, Hinged Extruded Aluminum With Sunshield..... Note: Vicon model V9317H-SHB-24. Includes 24VAC blower/heater.	240.27	11.95
28 23 00 00-0250 Indoor/Outdoor Camera Housings With Wiper <small>(28 23 00 00-0239)</small>		
28 23 00 00-0251 EA Medium, 2-Piece, Hinged Aluminum..... Note: Vicon model V9315H-WH-24. Includes 24 VAC heater and wiper.	238.09	11.84
28 23 00 00-0252 Special Purpose Housings <small>(28 23 00 00-0239)</small>		
28 23 00 00-0253 EA Explosion-Proof, Tubular Aluminum..... Note: Vicon model V8540H-SP.	1,059.35	52.67
28 23 00 00-0254 EA Maximum Security, 10-Gauge Steel, Wall Or Ceiling Mount..... Note: Vicon model V894MSH.	441.21	21.94
28 23 00 00-0255 EA Maximum Security, Outdoor, 10-Gauge Steel, Wall Or Ceiling Mount..... Note: Vicon model V896MSH.	476.16	23.67
28 23 00 00-0256 EA Maximum Security, 10-Gauge Steel, Corner Mount..... Note: Vicon model V898MSH.	476.16	23.67
28 23 00 00-0257 Indoor Housing Accessories <small>(28 23 00 00-0239)</small>		
28 23 00 00-0258 EA 2' x 2' Adjustable Ceiling Panel, Aluminum Construction Note: 360° rotation. Vicon model V8612H-ACP. For Vicon model V8612H.	126.68	6.29
28 23 00 00-0259 Lenses <small>(28 23 00 00-0106)</small>		
28 23 00 00-0260 1/3" Varifocal Lenses <small>(28 23 00 00-0259)</small>		
28 23 00 00-0261 EA Varifocal, 2.8-6 mm, F/1.4, Adjustable Iris Note: Vicon model V2.8-6VFI.	91.74	4.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0262 EA Varifocal, 3.5-8 mm, F/1.4, Adjustable Iris Note: Vicon model V3.5-8VFI-2.	80.82	4.02
28 23 00 00-0263 EA Varifocal, 2.8-12 mm, F/1.2, Adjustable Iris Note: Vicon model V2.8-12VFI.	91.74	4.56
28 23 00 00-0264 EA Varifocal, 5-50 mm, F/1.3, Adjustable Iris Note: Vicon model V5-50VFI.	194.39	9.67
28 23 00 00-0265 1/3" Autoiris Lenses, DC-Type (28 23 00 00-0259)		
28 23 00 00-0266 EA Wide Angle, 4 mm, F/1.2 Note: Vicon model V4.0-1.2CS-G-3.	104.85	5.21
28 23 00 00-0267 1/3" Varifocal Autoiris Lenses, DC-Type (28 23 00 00-0259)		
28 23 00 00-0268 EA Varifocal, 3.5-8 mm, F/1.4, Autoiris..... Note: Vicon model V3.5-8VF-CS-G-4.	104.85	5.21
28 23 00 00-0269 EA Varifocal, 2.8-12 mm, F/1.2, Autoiris..... Note: Vicon model V2.8-12VF-CS-G.	126.68	6.29
28 23 00 00-0270 EA Varifocal, 5-50 mm, f/1.3, Autoiris..... Note: Vicon model V5-50VF-CS-G.	238.09	11.84
28 23 00 00-0271 EA Varifocal, 2.7-8 mm, F/1.0, Autoiris..... Note: Vicon model V2.7-8VF-CS-G.	127.54	6.95
28 23 00 00-0272 Motorized Zoom Lenses With Spot Filter And Autoiris (28 23 00 00-0259)		
28 23 00 00-0273 EA 1/3" Format, 10x Zoom Range, F/1.2, CS Mount, High-Speed..... Note: Vicon model V6-60AC-HS-1.	725.16	36.05
28 23 00 00-0274 EA 1/2" Format, 10x Zoom Range, F/1.4, C Mount, High-Speed Note: Vicon model V8-80AC-HS-1.	705.51	35.07
28 23 00 00-0275 Mounting Equipment (28 23 00 00-0106)		
28 23 00 00-0276 Wall Mounts With Adjustable Heads (28 23 00 00-0275)		
28 23 00 00-0277 EA Wall Mount, 7.5 LB Load, Molded Plastic, 9" Long Note: Mounts to junction box. Vicon model V1100AWM.	37.13	1.85
28 23 00 00-0278 EA Wall Mount, 20 LB Load, Aluminum, 10" Long Note: Vicon model V110AWM.	30.58	1.52
28 23 00 00-0279 EA Wall Mount, 20 LB Load, Cast Aluminum, 11.6" Long Note: Vicon model V814AWM.	30.58	1.52
28 23 00 00-0280 Fixed Wall Mounts (28 23 00 00-0275)		
28 23 00 00-0281 EA Wall Mount 40 LB Load, Aluminum, 16" Long Note: Vicon model V1600WM.	69.89	3.47
28 23 00 00-0282 EA Wall Mount 200 LB Load, Steel, 24" Long Note: Vicon model V24WM.	80.82	4.02
28 23 00 00-0283 EA Wall Mount 200 LB Load, Stainless Steel, 24" Long..... Note: Vicon model V24WM-SS.	264.30	13.14
28 23 00 00-0284 Adjustable Heads (28 23 00 00-0275)		
28 23 00 00-0285 EA Adjustable Head, Medium-Duty, 60 LB Capacity Note: Vicon model V1600AH.	28.39	1.42
28 23 00 00-0286 EA Adjustable Head, Medium To Heavy-Duty, 100 LB Capacity..... Note: Vicon model V2400AH.	89.56	4.45
28 23 00 00-0287 Accessories For Wall Mounts (28 23 00 00-0275)		
28 23 00 00-0288 EA Outside Corner Mount Bracket Note: Vicon model V24CMB. For V24WM and surveyor series wall mounts.	72.09	3.58
28 23 00 00-0289 Ceiling Mounts (28 23 00 00-0275)		
28 23 00 00-0290 EA Ceiling Mount, 7.5 LB Load, Molded Plastic, 6" Long Note: Vicon model V800ACM.	30.58	1.52
28 23 00 00-0291 EA Ceiling Mount, 20 LB Load, Aluminum, 9" Long Note: Vicon model V8ACM.	37.13	1.85
28 23 00 00-0292 EA Ceiling Mount, 20 LB Load, Steel, Chrome Plated, 11" Long Note: Vicon model V10UM.	54.61	2.71
28 23 00 00-0293 Pole And Parapet Mounts (28 23 00 00-0275)		
28 23 00 00-0294 EA Pole Mount For 3"-4" Diameter Poles, Medium Duty Note: Vicon model V22PA. Use with V1600WM and V2000WM wall mounts.	133.23	6.63
28 23 00 00-0295 EA Pole Mount Adapter For 4"-10" Diameter Poles..... Note: Vicon model V20B. Painted Aluminum construction, no mounting straps.	122.16	6.12
28 23 00 00-0296 EA Pole Mount Adapter For 4"-10" Diameter Poles..... Note: Vicon model V20B-A. Painted Aluminum construction, includes mounting straps.	168.13	8.43

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0297 Multiplexers And Quads <small>(28 23 00 00-0001)</small>		
28 23 00 00-0298 Aurora A2000 Color Video Multiplexers With PTZ Control <small>(28 23 00 00-0297)</small>		
28 23 00 00-0299 EA 16-Channel Color Simplex Multiplexer, 30 Images Per Second Note: Live view refresh. Vicon model AUR2K-SC3.	1,494.53	20.59
28 23 00 00-0300 EA 16-Channel Color Duplex Multiplexer, 30 Images Per Second Note: Live view refresh. Vicon model AUR2K-DC3.	1,991.50	20.59
28 23 00 00-0301 EA 16-Channel Color Duplex Multiplexer, 60 Images Per Second Note: Live view refresh. Vicon model AUR2K-DC6.	2,203.24	20.59
28 23 00 00-0302 Aurora A2000 Color Video Multiplexers With Looping Cables <small>(28 23 00 00-0297)</small>		
Note: With PTZ control.		
28 23 00 00-0303 EA 16-Channel Color Simplex Multiplexer, 30 Images Per Second Note: Live view refresh. Includes looping cables. Vicon model AUR2K-SC3C.	1,536.53	20.59
28 23 00 00-0304 EA 16-Channel Color Duplex Multiplexer, 30 Images Per Second Note: Live view refresh. Includes looping cables. Vicon model AUR2K-DC3C.	2,033.50	20.59
28 23 00 00-0305 EA 16-Channel Color Duplex Multiplexer, 60 Images Per Second Note: Live view refresh. Includes looping cables. Vicon model AUR2K-DC6C.	2,246.99	20.59
28 23 00 00-0306 GENESYS Quad Splitter <small>(28 23 00 00-0297)</small>		
28 23 00 00-0307 EA Real-Time Color Quad Splitter Note: Displays four cameras on one monitor. Full-featured with alarms, titling, freeze, full-screen sequential switching and on-screen programming. Vicon model V4400QS-1.	642.33	20.59
28 23 00 00-0308 Monitors And Time Lapse Recorders <small>(28 23 00 00-0001)</small>		
28 23 00 00-0309 Monochrome Monitors <small>(28 23 00 00-0308)</small>		
28 23 00 00-0310 EA 9" Screen, High Resolution, 1,000 TV Lines Note: Vicon model VM5094.	208.91	13.72
28 23 00 00-0311 EA 12" Screen, High Resolution, 1,000 TV Lines Note: Vicon model VM5124.	224.65	13.72
28 23 00 00-0312 EA 15" Screen, High Resolution, 1,000 TV Lines Note: Vicon model VM5124.	308.65	13.72
28 23 00 00-0313 Color Monitors <small>(28 23 00 00-0308)</small>		
28 23 00 00-0314 EA 9" Screen 280 Lines Resolution Note: Vicon model VM6093.	620.13	13.72
28 23 00 00-0315 EA 14" Screen 400 Lines Resolution, NTSC/PAL Note: Vicon model VM614-3.	408.39	13.72
28 23 00 00-0316 EA 15" Screen 650 TV Lines High Resolution, NTSC/PAL Note: Vicon model VM615-5.	578.13	13.72
28 23 00 00-0317 EA 21" Screen 450 TV Lines High Resolution, Accepts NTSC/PAL Note: Vicon model VM621-5.	502.88	13.72
28 23 00 00-0318 EA 17" Flat Panel LCD Monitor Note: Resolution up to 1280 x 1024 (depending on scan rate); VGA, BNC, or S-Video video input and output; accepts NTSC/PAL. Vicon model VM-617LCD.	942.11	13.72
28 23 00 00-0319 EA 19" Flat Panel LCD Monitor Note: Resolution up to 1280x1024@60/75Hz depending on scan rate. VGA, BNC, or S-Video video input and output; accepts NTSC/PAL. Vicon model VM-619LCD.	1,111.15	13.72
28 23 00 00-0320 Monitor Mounting Accessories <small>(28 23 00 00-0308)</small>		
28 23 00 00-0321 EA Monitor Mount, For VM621-5 Monitor Note: May be mounted to ceiling with V1502CA ceiling mount or to a wall with V1501WM wall mount. Vicon model VM615-5-MM.	388.79	19.33
28 23 00 00-0322 EA Monitor Mount, For VM614-3 And VM615-5 Monitors Note: May be mounted to ceiling with V1502CA ceiling mount or to a wall with V1501WM wall mount. Vicon model VM61514-5-MM.	388.09	19.33
28 23 00 00-0323 EA Wall Mount For V161514-5-MM And V1621-5-MM Monitor Mounts Note: Vicon model V1501WM.	115.41	5.75
28 23 00 00-0324 EA Ceiling Mount For V161514-5-MM And V1621-5-MM Monitor Mounts Note: Vicon model V1502CA.	74.62	3.69
28 23 00 00-0325 EA Rack Kit For Use With VM-617LCD Monitor Note: Vicon model VM-617LCD-RK.	47.18	3.69
28 23 00 00-0326 EA Rack Kit For Use With VM-619LCD Monitor Note: Vicon model VM-619LCD-RK.	47.18	3.69
28 23 00 00-0327 Monitor Racking Kits <small>(28 23 00 00-0308)</small>		
28 23 00 00-0328 EA Dual Rack-Mounting Kit For Two VM6093 Monitors Note: Vicon model VM6092RK.	87.37	4.35
28 23 00 00-0329 EA Single Rack-Mounting Kit For VM615-5 Monitor Note: Vicon model VM615-5-RK.	109.22	5.43
28 23 00 00-0330 Time-Lapse Video Cassette Recorders <small>(28 23 00 00-0308)</small>		
28 23 00 00-0331 EA Video Cassette Recorder 480 Hour Time-Lapse Note: Vicon model VCR480TL.	473.14	13.72



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 23 00 00-0332			Video Recorder Rack Mount Kit (28 23 00 00-0308)		
	28 23 00 00-0333	EA		Rack Kit For Mounting VCR480TL..... Note: Vicon model VCR-RK-1.	86.67	4.35
	28 23 00 00-0334			Video Signal Equipment (28 23 00 00-0001)		
	28 23 00 00-0335			Amplifiers (28 23 00 00-0334)		
	28 23 00 00-0336	EA		Distribution Amplifier, One Input, Six Outputs, Phase 8..... Note: Vicon model V210DA.	208.35	20.59
	28 23 00 00-0337	EA		Distribution Amplifier, One Input, Six Outputs, Desk-Top Note: Vicon model V210DA-B.	208.35	20.59
	28 23 00 00-0338	EA		Video Distribution Amplifier, Rack Mount..... Note: 8 Input x 2 output or 2 input or 8 output configurations. Vicon model VDA8-16.	239.85	20.59
	28 23 00 00-0339			Phase Eight Racking Systems (28 23 00 00-0334)		
	28 23 00 00-0340	EA		Rack Accepts Any Combination Of Phase 8 Modules Note: Totaling eight single-width units. Vicon model VP8RK.	63.35	3.15
	28 23 00 00-0341	EA		Closure Panel, Single Width Closure Panel For VP8RK..... Note: Vicon model VP8-CP-1.	10.92	0.54
	28 23 00 00-0342	EA		Closure Panel, Double Width Closure Panel For VP8RK Note: Vicon model VP8-CP-2.	17.47	0.87
	28 23 00 00-0343			Ground Loop Corrector (28 23 00 00-0334)		
	28 23 00 00-0344	EA		Passive Ground Loop Correction Transformer Note: Single channel, for Vicoax. Vicon model V235GLTA.	122.32	6.08
	28 23 00 00-0345			Twisted Pair Video Transmission (28 23 00 00-0334)		
	28 23 00 00-0346	EA		Video Transceiver, Transmits Or Receives Video And Vicoax Data..... Note: Transmits or receives video and Vicoax data up to 500' over twisted-pair wire (can be used as receiver for UTP camera domes). Vicon model V212-NVT.	93.92	4.67
	28 23 00 00-0347	EA		Video Transceiver, Transmits Or Receives Video And Vicoax Data..... Note: Transmits or receives video and Vicoax data up to 1000' over twisted-pair wire (can be used as receiver for UTP camera domes). Vicon model V213-NVT.	139.79	6.95
	28 23 00 00-0348	EA		Video Receiver, Receives Video From V213-NVT Transmitter..... Note: Up to 3000' over twisted-pair wire (can be used as receiver for UTP camera domes). Vicon model V652R-NVT.	351.65	17.48
	28 23 00 00-0349			Surge Protectors (28 23 00 00-0334)		
	28 23 00 00-0350	EA		Surge Protector..... Note: Protects video equipment from induced power surges in video lines. Vicon model V15LPG.	45.88	2.28
	28 23 00 00-0351			Fiber Optic Transmission Equipment (28 23 00 00-0001)		
	28 23 00 00-0352			Single Channel Video Transmission (28 23 00 00-0351)		
	28 23 00 00-0353	EA		Video Transmitter, 13 dB..... Note: Vicon model V700T.	214.93	10.68
	28 23 00 00-0354	EA		Video Transmitter, 13 dB, Rack Mount..... Note: Vicon model V700T-R.	237.20	11.80
	28 23 00 00-0355	EA		Video Receiver, 13 dB..... Note: Vicon model V700R.	260.80	12.96
	28 23 00 00-0356	EA		Video Receiver, 13 dB, Rack Mount..... Note: Vicon model V700R-R.	260.80	12.96
	28 23 00 00-0357	EA		Video Receiver, 2-Channel, 2-Fibers, 13 dB, Rack Mount Note: Vicon model V702R-R.	473.11	23.52
	28 23 00 00-0358	EA		Video Transmitter, 13 dB..... Note: Vicon model V701T.	263.42	13.09
	28 23 00 00-0359	EA		Video Transmitter, 13 dB, Rack Mount..... Note: Vicon model V701T-R.	263.42	13.09
	28 23 00 00-0360	EA		Video Receiver, 13 dB..... Note: Vicon model V701R.	317.16	15.76
	28 23 00 00-0361	EA		Video Receiver, 13 dB, Rack Mount..... Note: Vicon model V701R-R.	317.16	15.76
	28 23 00 00-0362			Multi-channel Video Transmission (28 23 00 00-0351)		
	28 23 00 00-0363	EA		Video Transmitter, 4-Channel..... Note: Vicon model V707T.	1,199.14	59.61
	28 23 00 00-0364	EA		Video Transmitter, 4-Channel, Rack Mount..... Note: Vicon model V707T-R.	1,199.14	59.61
	28 23 00 00-0365	EA		Video Receiver, 4-Channel..... Note: Vicon model V707R.	1,199.14	59.61
	28 23 00 00-0366	EA		Video Receiver, 4-Channel, Rack Mount..... Note: Vicon model V707R-R.	1,199.14	59.61

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0367 EA Video Transmitter, 2-Channel..... Note: Vicon model V703T.	644.78	32.06
28 23 00 00-0368 EA Video Transmitter, 2-Channel, Rack Mount..... Note: Vicon model V703T-R.	644.78	32.06
28 23 00 00-0369 EA Video Receiver, 2-Channel..... Note: Vicon model V703R.	644.78	32.06
28 23 00 00-0370 EA Video Receiver, 2-Channel, Rack Mount..... Note: Vicon model V703R-R.	644.78	32.06
28 23 00 00-0371 Bidirectional Video For Vicoax (28 23 00 00-0351)		
28 23 00 00-0372 EA Bidirectional Fiber-Optic Transmitter, For Vicoax..... Note: Vicon model V739T.	826.94	41.11
28 23 00 00-0373 EA Bidirectional Fiber-Optic Transmitter, For Vicoax, Rack Mount..... Note: Vicon model V739T-R.	826.94	41.11
28 23 00 00-0374 EA Bidirectional Fiber-Optic Receiver, For Vicoax..... Note: Vicon model V739R.	826.94	41.11
28 23 00 00-0375 EA Bidirectional Fiber-Optic Receiver, For Vicoax, Rack Mount..... Note: Vicon model V739R-R.	826.94	41.11
28 23 00 00-0376 Video And Data Transmission (28 23 00 00-0351)		
28 23 00 00-0377 EA Video Receiver, Standalone Fiber Receiver, 1 Channel..... Note: For use with V910 fixed camera dome internal fiber trans module. Vicon model VF-140R.	799.46	41.58
28 23 00 00-0378 EA Video Receiver, Standalone Fiber Receiver, 1 Channel, Rack Mount..... Note: For use with V910 fixed camera dome internal fiber trans module. Vicon model VF-140RR.	799.46	41.58
28 23 00 00-0379 EA Video/Data Transmitter, Single Fiber, Duplex RS-422..... Note: Simplex Video, For NOVA Systems. Vicon model V732T.	837.25	41.58
28 23 00 00-0380 EA Video/Data Receiver, Single Fiber, Duplex RS-422..... Note: Simplex Video, For NOVA Systems. Vicon model V732R.	837.25	41.58
28 23 00 00-0381 EA Video/Data Receiver, Single Fiber, Duplex RS-422, Rack Mount..... Note: Simplex Video, For NOVA Systems. Vicon model V732R-R.	837.25	41.58
28 23 00 00-0382 Racking Equipment And Power Supplies (28 23 00 00-0351)		
28 23 00 00-0383 EA Special 19" Rack Panel..... Note: Houses 3 V-VH439 4-channel UTP transmitters. Vicon model V-RK439.	191.12	8.66
28 23 00 00-0384 EA Special 19" Rack Panel Assemblies..... Note: Includes 3 V-VH439 4-channel UTP transmitters. Vicon model V-VRK439X3.	2,244.65	101.81
28 23 00 00-0385 EA Winsted 35" Vertical Rack..... Note: Vicon model VW-RACK-PKG5.	1,571.25	71.27
28 23 00 00-0386 EA 15-Channel Rack, With 6 Amp Power Supply..... Note: Vicon model V515R-PS.	1,064.62	44.09
28 23 00 00-0387 EA 17-Channel Rack, Use With V517E-PS..... Note: Vicon model V517R-PS.	421.57	17.46
28 23 00 00-0388 EA Blank Filler Panel, For Rack, 1" Wide..... Note: Vicon model VOP-CP1.	30.20	1.25
28 23 00 00-0389 EA High-Output Power Supply, 19" Rack Mount..... Note: Powers two V517R-PS racks. Vicon model V517E-PS.	1,075.95	44.56
28 23 00 00-0390 EA Power Supply, 120 Volt AC To 12 Volt DC..... Note: Vicon model VOPPS-120DC.	42.79	1.78
28 23 00 00-0391 EA Power Supply, 120 Volt AC To 12 Volt DC, High Output..... Note: Vicon model VOPPS-120HDC.	76.77	3.18
28 23 00 00-0392 SurveyorVFT Fiber Receivers And Racking (28 23 00 00-0351)		
28 23 00 00-0393 EA Video/Data Receiver, Single Fiber, Duplex RS-422, Simplex Video..... Note: For use with SurveyorVFT fiber domes only. Vicon model VF-1400R.	835.64	41.18
28 23 00 00-0394 EA Video/Data Receiver Rack Mount, Single Fiber, Duplex RS-422..... Note: Simplex video. For use with SurveyorVFT fiber domes only. Vicon model VF-1400R.	835.64	41.18
28 23 00 00-0395 EA Rack, 14 Slots, With 100 W Power Supply..... Note: For use with VF-1400 series receivers. Blank panels are VF-BPS-1. Vicon model VF-1400R.	1,128.16	56.09
28 23 00 00-0396 EA Blank Panel, For Use With VF-SR20/2 Rack..... Note: Vicon model VF-BPS-1.	23.59	1.17
28 23 00 00-0397 EA Video/Data Receiver, Stand Alone..... Note: For use with SVFT camera dome internal fiber trans module. Vicon model VF-1631R.	835.64	41.18
28 23 00 00-0398 EA Video/Data Receiver, Rack Module..... Note: For use with SVFT camera dome internal fiber trans module. Vicon model VF-1631RR.	835.64	41.18
28 23 00 00-0399 Hubs And Terminators (28 23 00 00-0351)		
28 23 00 00-0400 EA 75-OHM Terminator For Unused Video Looping BNCs..... Note: Vicon model V75T.	4.37	0.22
28 23 00 00-0401 EA Special 4-Port Video Mini-Hub, 3000' Maximum Distance..... Note: 4-Channel UTP transmitter. Vicon model V-VH439.	666.98	30.25
28 23 00 00-0402 System Controls And Matrix Systems (28 23 00 00-0001)		
28 23 00 00-0403 NOVA V1422 UTP Or Coaxial 32 x 8 Matrix System (28 23 00 00-0402)		
28 23 00 00-0404 EA Advanced Digital Control And Matrix Switcher..... Note: 32 Camera inputs, 8 monitor outputs. Full camera station control and matrix switching. NOVA and Vicoax compatible. Includes V1400VGC Windows-based configuration software. Vicon model V1422.	3,181.43	20.59



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0405				NOVA V1344 Matrix Prepacs <small>(28 23 00 00-0402)</small> Note: Programmable systems with internal CPU.		
				28 23 00 00-0406 EA Controls 8 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V8X8-ICPS.	3,347.82	33.97
				28 23 00 00-0407 EA Controls 16 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V16X8-ICPS.	3,748.35	35.01
				28 23 00 00-0408 EA Controls 24 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V24X8-ICPS.	4,383.35	36.03
				28 23 00 00-0409 EA Controls 32 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V32X8-ICPS.	4,549.39	37.07
				28 23 00 00-0410 EA Controls 40 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V40X8-ICPS.	4,949.91	38.09
				28 23 00 00-0411 EA Controls 48 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V48X8-ICPS.	5,215.69	39.12
				28 23 00 00-0412 EA Controls 56 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V56X8-ICPS.	5,488.47	40.15
				28 23 00 00-0413 EA Controls 64 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V64X8-ICPS.	5,838.25	41.18
				28 23 00 00-0414 EA Controls 72 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V72X8-ICPS.	5,995.53	42.22
				28 23 00 00-0415 EA Controls 80 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V80X8-ICPS.	6,355.81	43.24
				28 23 00 00-0416 EA Controls 88 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V88X8-ICPS.	6,791.33	44.27
				28 23 00 00-0417 EA Controls 96 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V96X8-ICPS.	7,086.86	45.30
				28 23 00 00-0418 EA Controls 104 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V104X8-ICPS.	7,573.12	46.33
				28 23 00 00-0419 EA Controls 112 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V112X8-ICPS.	7,847.67	47.36
				28 23 00 00-0420 EA Controls 120 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V120X8-ICPS.	8,123.94	48.39
				28 23 00 00-0421 EA Controls 128 Cameras And 8 Monitors..... Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V128X8-ICPS.	8,400.23	49.41
28 23 00 00-0422				NOVA V1344 Internal CPU And Titler <small>(28 23 00 00-0402)</small>		
				28 23 00 00-0423 EA Internal CPU For Matrix Switcher Card Cage..... Note: Controls video switcher, pan-and-tilt, lens and auxiliary functions. Controls matrix switching for up to 128 cameras and 24 monitors. Vicon model V1344SCPU-HDA.	1,132.85	13.72
				28 23 00 00-0424 EA Time/Date/Titler Card..... Note: Provides three lines for titling and one line for time and date. Used with V1344 CPU system only. Vicon model V1344STDT-HD.	382.14	13.72
				28 23 00 00-0425 EA Programming Keyboard For V1344SCPU, V1466SCPU-A And V1500 CPUs..... Note: Vicon model V1300X-PKA.	163.40	13.72
28 23 00 00-0426				MATRIX 44 High Density Switcher Components <small>(28 23 00 00-0402)</small>		
				28 23 00 00-0427 EA Card Cage 128 Inputs x 8 Outputs..... Note: Contains power supply, video output amplifier, and motherboard for up to 16 V4410S-HD video switching cards. Vicon model V4481SCC-HD.	1,645.02	20.59
				28 23 00 00-0428 EA Video Switch Card..... Note: Switching and decoding circuitry for eight camera inputs. Connector panel V4411RP-BNC or V4411RP-RIB ordered separately. Vicon model V4410S-HD.	310.16	15.42
				28 23 00 00-0429 EA Rear Connector Panel, 1 Ribbon Cable Connector..... Note: 8 BNC connectors. Use with V4410S-HD. Vicon model V4411RP-BNC.	91.74	4.56
				28 23 00 00-0430 EA Rear Connector Panel, 2 Ribbon Cable Connectors..... Note: Use with V4410S-HD. Vicon model V4411RP-RIB.	76.45	3.80
				28 23 00 00-0431 EA Address Decoder..... Note: Decodes CPU control signal. One required for each V4481SCC-HD. If system uses V1344SCPU-HD, eliminate one V4430ADEC-HD. Vicon model V4430ADEC-HD.	388.79	19.33
				28 23 00 00-0432 EA Expander Card For Systems With More Than 128 Camera Inputs..... Note: One required for each camera expansion card cage. Vicon model V4441SEXP-HD.	506.74	25.19
				28 23 00 00-0433 EA Blank Rear Closure Panel For V4481SCC-HD..... Note: Vicon model V4450RCP-HD.	21.85	1.08

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0434 EA 21" Coaxial Ribbon Cable..... Note: For distributing video between V4410S-HD cards. Vicon model V44RCP-21-1.	21.85	1.08
28 23 00 00-0435 EA 12" Coaxial Ribbon Cable Assembly Note: For distributing video signals from V4410S-HD switcher cards to external devices. Terminated with eight BNCs. Vicon model V44RCB-12-1.	104.85	5.21
28 23 00 00-0436 EA 75-OHM Terminator..... Note: For unused looping outputs and looping video coaxial ribbon cable connectors, Matrix 44. Vicon model V75TR-1.	36.71	1.31
28 23 00 00-0437 NOVA 1466A Matrix Prepacs, Programmable Systems (28 23 00 00-0402) Note: With internal CPU.		
28 23 00 00-0438 EA Controls 64 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V64X16A-IHCPS.	5,800.10	41.18
28 23 00 00-0439 EA Controls 64 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V64X32A-IHCPS.	9,489.59	41.18
28 23 00 00-0440 EA Controls 128 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V128X16A-IHCPS.	7,177.05	49.41
28 23 00 00-0441 EA Controls 128 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V128X32A-IHCPS.	10,288.02	49.41
28 23 00 00-0442 EA Controls 192 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V192X16A-IHCPS.	7,630.04	57.66
28 23 00 00-0443 EA Controls 192 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V192X32A-IHCPS.	11,713.25	57.66
28 23 00 00-0444 EA Controls 256 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V256X16A-IHCPS.	9,357.65	65.89
28 23 00 00-0445 EA Controls 256 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V256X32A-IHCPS.	13,504.92	65.89
28 23 00 00-0446 NOVA V1466A Matrix Prepacs, Single Cage Programmable Systems (28 23 00 00-0402) Note: With internal CPU. Expandable to 128 cameras x 32 monitors.		
28 23 00 00-0447 EA Controls 64 Cameras And 32 Monitors..... Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V64X32A-IHCPS-S.	7,215.42	41.18
28 23 00 00-0448 EA Controls 128 Cameras And 32 Monitors..... Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V128X32A-IHCPS-S.	10,134.73	49.41
28 23 00 00-0449 NOVA V1466A Internal CPU And Titler (28 23 00 00-0402)		
28 23 00 00-0450 EA Internal CPU For Matrix 66 Card Cage..... Note: Controls video switcher, pan-and-tilt, lens, and auxiliary functions. Controls matrix switching for up to 256 cameras and 32 monitors. Vicon model V1466ASCPA-A.	928.46	13.72
28 23 00 00-0451 EA Time/Date/Titler Card, For Monitors 1-16..... Note: Provides advanced titling capability including sectors, presets and camera ID in addition to time and date. Used only with V1466ASCPU-A. Vicon model V1466ATDTSHD-16.	769.92	13.72
28 23 00 00-0452 EA Time/Date/Titler Card, For Monitors 17-32..... Note: Provides advanced titling capability including sectors, presets and camera ID in addition to time and date. Used only with V1466ASCPU-A. Vicon model V1466ATDTSHD-32.	1,182.55	13.72
28 23 00 00-0453 Matrix 66 Super High Density Switcher Components (28 23 00 00-0402)		
28 23 00 00-0454 EA Coaxial Ribbon Cable, 1 D-Shell Connector And 8 BNCs Note: Vicon model V66RCB-24.	109.22	5.43
28 23 00 00-0455 EA Coaxial Ribbon Cable, 2 D-Shell Connectors Note: Vicon model V66RC-36.	109.22	5.43
28 23 00 00-0456 EA 75-OHM Terminator For Unused Looping Outputs..... Note: Also for looping video D-shell Connectors, Matrix 66. Vicon model V75TR-SHD.	39.32	1.96
28 23 00 00-0457 EA Card Cage (256x16) Note: Accepts up to 4 switcher cards. Includes motherboard and power supply. Vicon model V6680SCC-16-1A.	2,284.08	20.59
28 23 00 00-0458 EA Card Cage (128x32) Note: Accepts up to 4 switcher cards. Includes motherboard and power supply. Vicon model V6680SCC-32-1A.	933.86	20.59
28 23 00 00-0459 EA Decoder Board, For External CPU..... Note: Vicon model V1466ADCDB.	347.29	17.27
28 23 00 00-0460 EA Video Switcher Card, Switching For 64 Camera Inputs..... Note: Rear connector panels ordered separately. Vicon model V6610S-1A.	1,209.62	60.14
28 23 00 00-0461 EA Camera Input Panel, 64 BNC Connectors Note: Vicon model V6610RP64-1A.	216.24	10.75
28 23 00 00-0462 EA Camera Input Panel, 32 BNC Connectors Note: Vicon model V6610RP32-1A.	186.08	9.25
28 23 00 00-0463 EA Monitor Output Panel, 16 BNC Connectors Note: Vicon model V6610RP16-OA.	167.75	8.34
28 23 00 00-0464 EA Monitor Output Panel, 32 BNC Connectors Note: Vicon model V6610RP32-OA.	182.14	9.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0465 EA Camera Looping Panel, 64 Channels, 16 D-Shell Cable Connectors..... Note: Vicon model V6610RP64-LA.	176.92	8.79
28 23 00 00-0466 EA Expander Card, 32 Channels, For Use In Star Configuration Note: Vicon model V6640SEXP32-A.	740.46	36.80
28 23 00 00-0467 EA Expander Card, 16 Channels, For Use In Serial Loop Configuration..... Note: Vicon model V6640SEXP16-A.	504.56	25.08
28 23 00 00-0468 EA Video Amplifier Board, Outputs For Monitors 1-16 Or 17-32 Note: Vicon model V6632-AMP-1A or V6632-AMP-1A.	866.67	20.59
28 23 00 00-0469 EA Card Extender, For Switcher Slots (For Service)..... Note: Vicon model V6670XS-A.	113.86	20.59
28 23 00 00-0470 EA Card Extender, For AMP/OSD Slots (For Service)..... Note: Vicon model V6670XA-A.	381.59	20.59
28 23 00 00-0471 EA Blank Rear Closure Panel, For Unused Card Positions..... Note: Vicon model V6650RCP-A.	19.66	0.98
28 23 00 00-0472 Matrix 66 Prepacs With Titling For Use With NOVA 1500 <small>(28 23 00 00-0402)</small>		
28 23 00 00-0473 EA Controls 64 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V64X16-MX66A.	7,155.57	41.18
28 23 00 00-0474 EA Controls 64 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V64X32-MX66A.	12,607.91	41.18
28 23 00 00-0475 EA Controls 64 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V64X48-MX66A.	19,424.12	41.18
28 23 00 00-0476 EA Controls 64 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V64X64-MX66A.	24,801.92	41.18
28 23 00 00-0477 EA Controls 128 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V128X16-MX66A.	10,100.08	49.41
28 23 00 00-0478 EA Controls 128 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V128X32-MX66A.	15,971.35	49.41
28 23 00 00-0479 EA Controls 128 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V128X48-MX66A.	23,701.00	49.41
28 23 00 00-0480 EA Controls 128 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V128X64-MX66A.	31,862.19	49.41
28 23 00 00-0481 EA Controls 192 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V192X16-MX66A.	12,670.80	57.66
28 23 00 00-0482 EA Controls 192 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V192X32-MX66A.	19,995.18	57.66
28 23 00 00-0483 EA Controls 192 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V192X48-MX66A.	30,136.55	57.66
28 23 00 00-0484 EA Controls 192 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V192X64-MX66A.	36,686.08	57.66
28 23 00 00-0485 EA Controls 256 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V256X16-MX66A.	15,170.82	65.89
28 23 00 00-0486 EA Controls 256 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V256X32-MX66A.	23,649.44	65.89
28 23 00 00-0487 EA Controls 256 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V256X48-MX66A.	35,457.06	65.89
28 23 00 00-0488 EA Controls 256 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V256X64-MX66A.	45,979.56	65.89
28 23 00 00-0489 EA Controls 320 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V320X16-MX66A.	21,467.55	82.36
28 23 00 00-0490 EA Controls 320 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V320X32-MX66A.	34,739.84	82.36
28 23 00 00-0491 EA Controls 320 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V320X48-MX66A.	50,880.57	82.36
28 23 00 00-0492 EA Controls 320 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V320X64-MX66A.	67,756.26	82.36
28 23 00 00-0493 EA Controls 384 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V384X16-MX66A.	24,078.62	98.84
28 23 00 00-0494 EA Controls 384 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V384X32-MX66A.	38,434.45	98.84
28 23 00 00-0495 EA Controls 384 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V384X48-MX66A.	57,330.22	98.84
28 23 00 00-0496 EA Controls 384 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V384X64-MX66A.	74,790.72	98.84
28 23 00 00-0497 EA Controls 448 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V448X16-MX66A.	26,703.36	115.31
28 23 00 00-0498 EA Controls 448 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V448X32-MX66A.	42,214.12	115.31
28 23 00 00-0499 EA Controls 448 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V448X48-MX66A.	62,733.10	115.31
28 23 00 00-0500 EA Controls 448 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V448X64-MX66A.	81,930.20	115.31
28 23 00 00-0501 EA Controls 512 Cameras And 16 Monitors..... Note: Includes 1 switcher card cage and titling card cage. Vicon model V512X16-MX66A.	29,359.59	131.78
28 23 00 00-0502 EA Controls 512 Cameras And 32 Monitors..... Note: Includes 2 switcher card cages and titling card cage. Vicon model V512X32-MX66A.	45,948.64	131.78
28 23 00 00-0503 EA Controls 512 Cameras And 48 Monitors..... Note: Includes 3 switcher card cages and titling card cage. Vicon model V512X48-MX66A.	68,207.37	131.78
28 23 00 00-0504 EA Controls 512 Cameras And 64 Monitors..... Note: Includes 4 switcher card cages and titling card cage. Vicon model V512X64-MX66A.	89,177.82	131.78

28 23 00 00-0505 NOVA 1500 Network Switching Control System (28 23 00 00-0402)

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0506 EA NOVA 1500 Central Processing Unit..... Note: Includes internal graphic configurator, capable of addressing over 8000 camera and 500 monitor and keypad stations. Use with companion NOVA 1500-CDU Communication Distribution Unit and Matrix Switching Systems. Vicon model V1500CPU.	5,318.06	20.59
28 23 00 00-0507 EA NOVA 1500 Communication Distribution Unit..... Note: Configured to address 2046 cameras, 128 monitors, 32 keypads, one RS-232 port and monitor titling. Includes one network interface card and one power supply module. Vicon model V1500CDU-1.	3,911.14	20.59
28 23 00 00-0508 EA NOVA 1500 CDU, Internal Redundant Configuration Note: Configured to address 2046 cameras, 128 monitors, 32 keypads, one RS-232 port and monitor titling. Includes redundant personality modules, power supplies and network cards for automatic switchover Vicon model V1500CDU-H-1.	5,585.80	20.59
28 23 00 00-0509 EA NOVA 1500CDU, Chassis Note: Includes one network interface card and power supply module. Must be populated with CDU personality modules. Vicon model V1500CDU-CC.	1,774.51	20.59
28 23 00 00-0510 EA NOVA 1500CDU, Alarm Module Note: Provides communication from V1500CDU to Vicon alarm devices Vicon model V1500CDU-ALRM.	518.09	20.59
28 23 00 00-0511 EA NOVA 1500CDU, Time/Date/Title Module..... Note: Provides control communication between V1500CDU and matrix time/date/titling devices. Vicon model V1500CDU-TDT.	512.84	20.59
28 23 00 00-0512 EA NOVA 1500CDU, Video Module Note: Provides control communication between V1500CDU and matrix video switcher. Vicon model V1500CDU-VID.	500.59	20.59
28 23 00 00-0513 EA NOVA 1500CDU, Serial Module Note: Provides control communication between V1500CDU and Vicon system keypads/PTZ receivers or host RS-232 devices Vicon model V1500CDU-SER.	483.09	20.59
28 23 00 00-0514 EA NOVA 1500CDU, Rear Closure Panel..... Note: Closes un-populated slots in V1500CDU chassis. Vicon model V1500CDU-RCP.	13.54	0.76
28 23 00 00-0515 EA NOVA 1500CDU, Redundant Power Supply Module..... Note: Provides internal power redundancy for the V1500CDU. Vicon model V1500CDU-HSB-POW.	275.56	16.83
28 23 00 00-0516 EA NOVA 1500CDU, Redundant Network Interface Module..... Note: Provides internal network communication redundancy for the V1500CDU. Vicon model V1500CDU-HSB-NET.	563.34	34.53
28 23 00 00-0517 EA NOVA 1500CDU, Redundant Alarm Module Note: Provides internal redundant communication from V1500CDU to alarm devices. Vicon model V1500CDU-HSB-ALRM.	883.81	20.59
28 23 00 00-0518 EA NOVA 1500CDU, Redundant Time/Date/Title Module Note: Provides internal redundant communication from V1500CDU to time/date/title device Vicon model V1500CDU-HSB-TDT.	871.56	20.59
28 23 00 00-0519 EA NOVA 1500CDU, Redundant Video Module..... Note: Provides internal redundant communication from V1500CDU to video matrix switcher. Vicon model V1500CDU-HSB-VID.	887.31	20.59
28 23 00 00-0520 EA NOVA 1500CDU, Redundant Serial Module..... Note: Provides internal redundant communication from V1500CDU to system keypads, receivers, host RS-232 devices. Vicon model V1500CDU-HSB-SER.	857.57	20.59
28 23 00 00-0521 EA Multi-Input VGA Monitor/Keyboard Note: Used with V1500CPU, accepts 8 VGA inputs from multiple PCs, includes 2 PC cables. Rack mount only. Vicon model V1500KVM-R.	4,521.04	30.88
28 23 00 00-0522 EA Cable For Use With V1500-KVM-R..... Note: Connects additional PCs to V1500-KVM-R. Vicon model V1500KVM-R.	50.24	2.50
28 23 00 00-0523 EA 10' Patch 5 Cable..... Note: Vicon model CAT5e-Patch-10.	43.24	2.50
28 23 00 00-0524 Time/Date/Title For NOVA 1500 (28 23 00 00-0402)		
28 23 00 00-0525 EA Card Cage Note: Holds up to 16 V1300X-TDT circuit cards, each of which titles 2 monitors (32 monitors total per card cage). Vicon model V1300X-TCC.	551.33	20.59
28 23 00 00-0526 EA Power Supply..... Note: Used in V1300X-TCC-1, 1 per card cage. Vicon model V1300X-TC-PS.	325.45	16.18
28 23 00 00-0527 EA Master Module..... Note: Provides addressing for 32 monitors and loop-through signaling for additional V1300X-TCC card cage Vicon model V1400X-TDT-MA.	238.10	20.59
28 23 00 00-0528 EA Slave Module..... Note: Provides addressing for 32 monitors in additional V1300X-TCC card cage. Vicon model V1300X-TC-SL-1.	241.60	20.59
28 23 00 00-0529 EA Time/Date/Title Assembly..... Note: Circuit card provides time/date/titles for 2 monitors. Vicon model V1300X-TDT.	301.10	20.59
28 23 00 00-0530 EA Blank Rear Closure Panel For V1300X-TCC..... Note: Vicon model V1300X-RCT.	30.58	1.52
28 23 00 00-0531 System Console Control Station (28 23 00 00-0402)		
28 23 00 00-0532 EA System Console..... Note: Controls NOVA Matrix Systems, AurorA 2000 / AurorAcorD multiplexers and recorders and time-lapse VCRs. Vicon model V1400X-DVC-3.	1,479.19	15.44
28 23 00 00-0533 EA Trackball For Use With System Console Note: Vicon model V1400X-JST.	273.51	15.44
28 23 00 00-0534 EA Desktop Joystick For Use With System Console Note: Vicon model V1400X-DJT.	315.51	15.44
28 23 00 00-0535 NOVA Control Keypads (28 23 00 00-0402)		
28 23 00 00-0536 EA Control Keypad, Small Profile Desk-Top..... Note: Provides multi-function control for camera stations with variable-speed joystick for pan-and-tilt control and push buttons for lens function. Vicon model V1410X-DVC.	621.74	15.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0537 EA Control Keypad, Desk-Top Version With Variable-Speed Joystick..... Note: Provides multi-function control for camera stations with variable-speed joystick for pan-and-tilt control and push buttons for lens function. Vicon model V1411X-DVC.	763.48	15.44
28 23 00 00-0538 EA Control Keypad, Desk-Top Version With 3-Function Joystick..... Note: Provides multi-function control for camera stations with three-function variable-speed joystick for pan-and-tilt control and push buttons for lens function. Vicon model V1411J-DVC.	905.22	15.44
28 23 00 00-0539 EA Control Keypad, Rack-Mount Version..... Note: Provides complete switching and control functions for camera stations with variable-speed and fixed-speed pan-and-tilt units. Vicon model V1300X-RVC.	1,195.71	15.44
28 23 00 00-0540 EA Control Keypad, Desk-Top Version Note: Provides complete switching and control functions for camera stations with variable-speed and fixed-speed pan-and-tilt units Vicon model V1300X-DVC.	1,195.71	15.44
28 23 00 00-0541 Additional System Capabilities NOVA Systems (28 23 00 00-0402)		
28 23 00 00-0542 EA Vicoax Translator..... Note: Converts Vicon RS-422 PTZ commands to Vicoax, 16 channels. Vicon model V422-VI.	717.57	20.59
28 23 00 00-0543 EA RS-422 Dual Input Code Merger Note: Merges control data from two separate control systems into one device. Vicon model VSCM-200.	684.33	20.59
28 23 00 00-0544 EA Video Loss Detector Accepts Up To 256 Camera Inputs..... Note: Merges control data from two separate control systems into one device. Vicon model V1400X-VLD.	1,216.30	20.59
28 23 00 00-0545 EA Distribution Line Control Note: Provides up to 10 communication lines from CPU when used in star configuration. Vicon model V1400X-IDL.	717.57	20.59
28 23 00 00-0546 EA Alarm Interface, Accepts Up To 32 Custom Alarm Inputs..... Note: Vicon model V1300X-IA.	735.07	20.59
28 23 00 00-0547 EA Alarm Interface, Accepts Up To 64 Custom Alarm Inputs..... Note: Vicon model V1300X-IA-EX.	866.32	20.59
28 23 00 00-0548 EA Alarm Interface, With Relay Follow..... Note: Vicon model V1300X-IAF.	1,358.04	20.59
28 23 00 00-0549 EA Cable Adapter 34-25 Pin Note: Vicon model V1300X-CA.	89.56	4.45
28 23 00 00-0550 EA Relay/Audio-Follow-Video Switcher..... Note: Mono, 32 inputs, for use with matrix switching systems. Vicon model V1332AF.	792.82	20.59
28 23 00 00-0551 PTZ Receivers (28 23 00 00-0402)		
28 23 00 00-0552 EA Outdoor Variable-Speed Receiver Note: For VIST25 pan-and-tilt, 120 VAC input, 24 VDC output to pan-and-tilt drives. Vicon model V1305R-DC1.	830.01	41.26
28 23 00 00-0553 EA Outdoor Universal Receiver, 24 Volt AC Input..... Note: 24 VAC output to pan-and-tilt drives, requires V1311R-VI-1 interface card for Vicoax control and V1311R-VPS-1 interface card for NOVA control. Vicon model V1311RB-1WA.	439.03	21.83
28 23 00 00-0554 EA Outdoor Universal Receiver, 120 Volt AC Input..... Note: 24 or 120 VAC output to pan-and-tilt drives, requires V1311R-VI-1 interface card for Vicoax control and V1311R-VPS-1 interface card for NOVA control. Vicon model V1311RB-2WA.	439.03	21.83
28 23 00 00-0555 Receiver Options (28 23 00 00-0402)		
28 23 00 00-0556 EA Interface Card..... Note: Internal board adapts V1311RB receivers for use with NOVA CPUs. Vicon model V1311R-VPS-1.	240.27	11.95
28 23 00 00-0557 EA Vicoax Interface Card Note: Adapts V1311RB receiver for use with Vicoax transmitter. Vicon model V1311R-VI-1.	161.63	8.03
28 23 00 00-0558 Closed Circuit Television And Surveillance Systems (Pelco) (28 23)		
Note: Includes programming of equipment, testing of new devices and certification.		
28 23 00 00-0559 Cameras And Accessories (28 23 00 00-0558)		
28 23 00 00-0560 Cameras (28 23 00 00-0559)		
28 23 00 00-0561 1/3" Format Cameras (28 23 00 00-0560)		
28 23 00 00-0562 High Resolution Color, 1/3" Format Cameras (28 23 00 00-0561)		
28 23 00 00-0563 EA Extended Dynamic Range, High Resolution Color, 1/3" Format Camera (Pelco CC3701H-2).....	321.12	20.59
28 23 00 00-0564 EA Low Light, Digital Slow Shutter, High Resolution Color, 1/3" Format Camera (Pelco CC3751H-2).....	428.94	20.59
28 23 00 00-0565 Compact, 1/3" Format Cameras (28 23 00 00-0560)		
28 23 00 00-0566 High Resolution Color, Compact, 1/3" Format Cameras (28 23 00 00-0565)		
28 23 00 00-0567 EA Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H).....	512.58	20.59
28 23 00 00-0568 EA High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6).....	420.65	20.59
28 23 00 00-0569 Day/Night, Compact, 1/3" Format Cameras (28 23 00 00-0565)		
28 23 00 00-0570 EA High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6).....	248.54	20.59
28 23 00 00-0571 Camerapaks (28 23 00 00-0559)		
Note: Includes camera and lens.		
28 23 00 00-0572 Camerapaks (28 23 00 00-0571)		

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0573 High Resolution Color, Camerapaks <small>(28 23 00 00-0572)</small>		
28 23 00 00-0574 Fixed Focus, High Resolution Color, Camerapaks <small>(28 23 00 00-0573)</small>		
28 23 00 00-0575 Manual Iris, Fixed Focus, High Resolution Color, Camerapaks <small>(28 23 00 00-0574)</small>		
28 23 00 00-0576 EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	323.19	20.59
28 23 00 00-0577 EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	303.84	20.59
28 23 00 00-0578 EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	294.85	20.59
28 23 00 00-0579 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	292.78	20.59
28 23 00 00-0580 Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks <small>(28 23 00 00-0574)</small>		
28 23 00 00-0581 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	352.22	20.59
28 23 00 00-0582 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	323.19	20.59
28 23 00 00-0583 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	316.28	20.59
28 23 00 00-0584 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	310.75	20.59
28 23 00 00-0585 Varifocal, High Resolution Color, Camerapaks <small>(28 23 00 00-0573)</small>		
28 23 00 00-0586 Manual Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 23 00 00-0585)</small>		
28 23 00 00-0587 EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	380.56	20.59
28 23 00 00-0588 EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	343.23	20.59
28 23 00 00-0589 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	312.82	20.59
28 23 00 00-0590 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	300.38	20.59
28 23 00 00-0591 EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	346.69	20.59
28 23 00 00-0592 Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 23 00 00-0585)</small>		
28 23 00 00-0593 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	410.97	20.59
28 23 00 00-0594 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	385.40	20.59
28 23 00 00-0595 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	341.85	20.59
28 23 00 00-0596 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	305.22	20.59
28 23 00 00-0597 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	361.21	20.59
28 23 00 00-0598 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	408.21	20.59
28 23 00 00-0599 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	468.34	20.59
28 23 00 00-0600 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 23 00 00-0585)</small>		
28 23 00 00-0601 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	321.12	20.59
28 23 00 00-0602 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	384.02	20.59
28 23 00 00-0603 High Resolution Day/Night, Camerapaks <small>(28 23 00 00-0572)</small>		
28 23 00 00-0604 Varifocal, High Resolution Day/Night, Camerapaks <small>(28 23 00 00-0603)</small>		
28 23 00 00-0605 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 23 00 00-0604)</small>		
28 23 00 00-0606 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	649.44	20.59
28 23 00 00-0607 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	605.89	20.59
28 23 00 00-0608 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	569.26	20.59
28 23 00 00-0609 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	625.24	20.59
28 23 00 00-0610 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	672.25	20.59
28 23 00 00-0611 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	731.69	20.59
28 23 00 00-0612 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 23 00 00-0604)</small>		
28 23 00 00-0613 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	585.15	20.59
28 23 00 00-0614 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	648.05	20.59
28 23 00 00-0615 Compact Camerapaks <small>(28 23 00 00-0571)</small>		
28 23 00 00-0616 High Resolution Color, Compact Camerapaks <small>(28 23 00 00-0615)</small>		
28 23 00 00-0617 DSS, High Resolution Color, Compact Camerapaks <small>(28 23 00 00-0616)</small>		
28 23 00 00-0618 Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 23 00 00-0617)</small>		
28 23 00 00-0619 Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 23 00 00-0618)</small>		
28 23 00 00-0620 EA 2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	503.59	20.59
28 23 00 00-0621 EA 2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	484.24	20.59
28 23 00 00-0622 EA 4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	474.56	20.59
28 23 00 00-0623 EA 8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	472.49	20.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00	00-0624		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 23 00 00-0618)</small>		
	28 23 00 00-0625	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	531.93	20.59
	28 23 00 00-0626	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	503.59	20.59
	28 23 00 00-0627	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	496.68	20.59
	28 23 00 00-0628	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	491.15	20.59
28 23 00	00-0629		Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 23 00 00-0617)</small>		
28 23 00	00-0630		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 23 00 00-0629)</small>		
	28 23 00 00-0631	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	560.96	20.59
	28 23 00 00-0632	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	522.95	20.59
	28 23 00 00-0633	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	493.22	20.59
	28 23 00 00-0634	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	480.78	20.59
	28 23 00 00-0635	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	526.40	20.59
	28 23 00 00-0636	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	556.12	20.59
	28 23 00 00-0637	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	626.63	20.59
28 23 00	00-0638		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 23 00 00-0629)</small>		
	28 23 00 00-0639	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	590.68	20.59
	28 23 00 00-0640	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	565.80	20.59
	28 23 00 00-0641	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	522.26	20.59
	28 23 00 00-0642	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	484.93	20.59
	28 23 00 00-0643	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	541.61	20.59
	28 23 00 00-0644	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	588.61	20.59
	28 23 00 00-0645	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	648.05	20.59
28 23 00	00-0646		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 23 00 00-0629)</small>		
	28 23 00 00-0647	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	501.52	20.59
	28 23 00 00-0648	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	564.42	20.59
28 23 00	00-0649		EDR, High Resolution Color, Compact Camerapaks <small>(28 23 00 00-0616)</small>		
28 23 00	00-0650		Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 23 00 00-0649)</small>		
28 23 00	00-0651		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 23 00 00-0650)</small>		
	28 23 00 00-0652	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	503.59	20.59
	28 23 00 00-0653	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	376.41	20.59
	28 23 00 00-0654	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	366.74	20.59
	28 23 00 00-0655	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	364.66	20.59
28 23 00	00-0656		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 23 00 00-0650)</small>		
	28 23 00 00-0657	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	424.10	20.59
	28 23 00 00-0658	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	395.77	20.59
	28 23 00 00-0659	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	388.85	20.59
	28 23 00 00-0660	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	388.85	20.59
28 23 00	00-0661		Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 23 00 00-0649)</small>		
28 23 00	00-0662		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 23 00 00-0661)</small>		
	28 23 00 00-0663	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	453.14	20.59
	28 23 00 00-0664	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	415.12	20.59
	28 23 00 00-0665	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	385.40	20.59
	28 23 00 00-0666	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	372.96	20.59
	28 23 00 00-0667	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	418.58	20.59
	28 23 00 00-0668	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	448.30	20.59
	28 23 00 00-0669	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	518.80	20.59
28 23 00	00-0670		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 23 00 00-0661)</small>		
	28 23 00 00-0671	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	482.86	20.59
	28 23 00 00-0672	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	457.97	20.59
	28 23 00 00-0673	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	413.74	20.59
	28 23 00 00-0674	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	377.10	20.59
	28 23 00 00-0675	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	433.78	20.59
	28 23 00 00-0676	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	480.78	20.59
	28 23 00 00-0677	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	540.23	20.59

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0678 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 23 00 00-0661)</small>		
28 23 00 00-0679 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	393.69	20.59
28 23 00 00-0680 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	456.59	20.59
28 23 00 00-0681 High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0615)</small>		
28 23 00 00-0682 Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0681)</small>		
28 23 00 00-0683 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0682)</small>		
28 23 00 00-0684 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	464.89	20.59
28 23 00 00-0685 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0682)</small>		
28 23 00 00-0686 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	524.33	20.59
28 23 00 00-0687 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	495.30	20.59
28 23 00 00-0688 Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0681)</small>		
28 23 00 00-0689 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0689)</small>		
28 23 00 00-0690 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	484.93	20.59
28 23 00 00-0691 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	472.49	20.59
28 23 00 00-0692 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	548.52	20.59
28 23 00 00-0693 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0688)</small>		
28 23 00 00-0694 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	557.51	20.59
28 23 00 00-0695 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	513.96	20.59
28 23 00 00-0696 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	477.33	20.59
28 23 00 00-0697 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	533.31	20.59
28 23 00 00-0698 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	580.32	20.59
28 23 00 00-0699 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	640.45	20.59
28 23 00 00-0700 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 23 00 00-0688)</small>		
28 23 00 00-0701 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	493.22	20.59
28 23 00 00-0702 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	556.12	20.59
28 23 00 00-0703 Camera Systems <small>(28 23 00 00-0559)</small>		
28 23 00 00-0704 Camera Dome Systems <small>(28 23 00 00-0703)</small>		
28 23 00 00-0705 Spectra®, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0704)</small>		
28 23 00 00-0706 Spectra®, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0705)</small>		
Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 23 00 00-0707 Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0706)</small>		
28 23 00 00-0708 Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0707)</small>		
28 23 00 00-0709 EA 22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,063.56	123.54
28 23 00 00-0710 EA 22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,346.96	123.54
28 23 00 00-0711 EA 22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,474.14	123.54
28 23 00 00-0712 EA 22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	3,425.23	123.54
28 23 00 00-0713 Color, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0707)</small>		
28 23 00 00-0714 EA 16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,742.16	123.54
28 23 00 00-0715 EA 16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	1,885.23	123.54
28 23 00 00-0716 EA 16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,013.11	123.54
28 23 00 00-0717 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	2,086.37	123.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0718 EA 16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,086.37	123.54
28 23 00 00-0719 EA 22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,185.21	123.54
28 23 00 00-0720 EA 22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,469.30	123.54
28 23 00 00-0721 EA 22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,597.17	123.54
28 23 00 00-0722 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	2,670.44	123.54
28 23 00 00-0723 EA 22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	2,670.44	123.54
28 23 00 00-0724 Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0707)		
28 23 00 00-0725 EA 23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,539.80	123.54
28 23 00 00-0726 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	2,823.88	123.54
28 23 00 00-0727 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	2,951.76	123.54
28 23 00 00-0728 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	3,025.02	123.54
28 23 00 00-0729 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	3,025.02	123.54
28 23 00 00-0730 Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0707)		
28 23 00 00-0731 EA 18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,307.56	123.54
28 23 00 00-0732 EA 18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	2,451.33	123.54
28 23 00 00-0733 EA 18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	2,578.51	123.54
28 23 00 00-0734 EA 18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,651.77	123.54
28 23 00 00-0735 EA 18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,651.77	123.54
28 23 00 00-0736 EA 35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	2,772.73	123.54
28 23 00 00-0737 EA 35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	2,998.76	123.54
28 23 00 00-0738 EA 35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	3,125.94	123.54
28 23 00 00-0739 EA 35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,199.21	123.54
28 23 00 00-0740 EA 35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	3,199.21	123.54
28 23 00 00-0741 Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0706)		
28 23 00 00-0742 Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0741)		
28 23 00 00-0743 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	2,258.48	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0744 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	2,381.52	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0745 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	2,479.67	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0746 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	2,799.69	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0747 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	2,922.73	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0748 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,021.57	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0749 Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0741)		
28 23 00 00-0750 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	2,823.88	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0751 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	2,946.92	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0752 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	3,045.76	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0753 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	3,329.15	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0754 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	3,451.49	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0755 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	3,550.33	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0756 Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0706)		
28 23 00 00-0757 Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0756)		
28 23 00 00-0758 EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	3,731.43	123.54
28 23 00 00-0759 EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	4,236.70	123.54
28 23 00 00-0760 Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 23 00 00-0706)		

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0761 Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0760)</small>		
28 23 00 00-0762 EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	3,246.21	123.54
28 23 00 00-0763 Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0760)</small>		
28 23 00 00-0764 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	2,827.34	123.54
28 23 00 00-0765 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,369.24	123.54
28 23 00 00-0766 Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0760)</small>		
28 23 00 00-0767 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	3,723.83	123.54
28 23 00 00-0768 Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0760)</small>		
28 23 00 00-0769 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,393.43	123.54
28 23 00 00-0770 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	3,898.01	123.54
28 23 00 00-0771 Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0706)</small>		
28 23 00 00-0772 Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0771)</small>		
28 23 00 00-0773 EA 10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,309.46	123.54
28 23 00 00-0774 Spectra® IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0705)</small> Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 23 00 00-0775 Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0774)</small>		
28 23 00 00-0776 Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0775)</small>		
28 23 00 00-0777 EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,401.56	123.54
28 23 00 00-0778 EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,529.43	123.54
28 23 00 00-0779 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,602.70	123.54
28 23 00 00-0780 EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,602.70	123.54
28 23 00 00-0781 EA 22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	2,985.62	123.54
28 23 00 00-0782 EA 22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	3,113.50	123.54
28 23 00 00-0783 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	3,186.76	123.54
28 23 00 00-0784 EA 22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	3,186.76	123.54
28 23 00 00-0785 Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0775)</small>		
28 23 00 00-0786 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	3,340.21	123.54
28 23 00 00-0787 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	3,468.08	123.54
28 23 00 00-0788 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	3,541.35	123.54
28 23 00 00-0789 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	3,541.35	123.54
28 23 00 00-0790 Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0774)</small>		
28 23 00 00-0791 Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0790)</small>		
28 23 00 00-0792 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	2,774.81	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0793 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	2,897.84	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0794 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....	2,995.99	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0795 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....	3,316.02	123.54
For Protective Lower Dome Cage, Add	34.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0796 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	3,439.05	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0797 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	3,537.89	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0798 Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0790)</small>		
28 23 00 00-0799 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	3,340.21	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0800 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	3,463.24	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0801 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	3,562.09	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0802 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	3,845.48	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0803 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	3,967.82	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0804 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	4,066.66	123.54
For Protective Lower Dome Cage, Add	34.65	
28 23 00 00-0805 Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0774)</small>		
28 23 00 00-0806 Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 23 00 00-0805)</small>		
28 23 00 00-0807 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	3,343.67	123.54
28 23 00 00-0808 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	3,885.57	123.54
28 23 00 00-0809 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 23 00 00-0805)</small>		
28 23 00 00-0810 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,240.15	123.54
28 23 00 00-0811 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 23 00 00-0805)</small>		
28 23 00 00-0812 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	3,909.76	123.54
28 23 00 00-0813 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,414.33	123.54
28 23 00 00-0814 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0774)</small>		
28 23 00 00-0815 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems <small>(28 23 00 00-0814)</small>		
28 23 00 00-0816 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,642.62	123.54
28 23 00 00-0817 Spectra®, Pan/Tilt Dome Drives <small>(28 23 00 00-0705)</small>		
Note: Includes dome drive, camera and lens.		
28 23 00 00-0818 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,216.44	102.95
28 23 00 00-0819 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,548.22	102.95
28 23 00 00-0820 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	1,958.10	102.95
28 23 00 00-0821 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	1,539.23	102.95
28 23 00 00-0822 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,080.44	102.95
28 23 00 00-0823 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,104.64	102.95
28 23 00 00-0824 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,435.03	102.95
28 23 00 00-0825 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,609.90	102.95
28 23 00 00-0826 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	2,609.90	102.95
28 23 00 00-0827 Accessories For Spectra® Pan/Tilt Camera Dome Systems <small>(28 23 00 00-0705)</small>		
28 23 00 00-0828 EA Upgrade To Chrome Lower Dome (Pelco Spectra)	97.46	
28 23 00 00-0829 EA Upgrade To Gold Lower Dome (Pelco Spectra)	127.18	
28 23 00 00-0830 EA Wall Mount For Spectra® Systems (Pelco IWM-BK)	106.30	10.29
28 23 00 00-0831 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	267.35	10.29
28 23 00 00-0832 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	103.53	10.29
28 23 00 00-0833 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	285.32	10.29

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0834 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	54.62	6.12
28 23 00 00-0835 Camclosure®, Camera Dome Systems (28 23 00 00-0704)		
28 23 00 00-0836 Camclosure® IS Integrated, Camera Dome Systems (28 23 00 00-0835)		
28 23 00 00-0837 Camclosure® IS Integrated, Camera Dome Systems (28 23 00 00-0836)		
28 23 00 00-0838 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 23 00 00-0837)		
28 23 00 00-0839 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	492.47	123.54
28 23 00 00-0840 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	533.94	123.54
28 23 00 00-0841 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	592.69	123.54
28 23 00 00-0842 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	592.69	123.54
28 23 00 00-0843 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 23 00 00-0837)		
28 23 00 00-0844 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	600.29	123.54
28 23 00 00-0845 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	654.21	123.54
28 23 00 00-0846 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	654.21	123.54
28 23 00 00-0847 Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 23 00 00-0837)		
28 23 00 00-0848 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	687.38	123.54
28 23 00 00-0849 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22).....	820.79	123.54
28 23 00 00-0850 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22).....	820.79	123.54
28 23 00 00-0851 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 23 00 00-0837)		
28 23 00 00-0852 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	750.97	123.54
28 23 00 00-0853 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	836.68	123.54
28 23 00 00-0854 Camclosure® IS Integrated, Bullet Style Camera Systems (28 23 00 00-0836)		
28 23 00 00-0855 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 23 00 00-0854)		
28 23 00 00-0856 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	540.74	82.36
28 23 00 00-0857 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 23 00 00-0854)		
28 23 00 00-0858 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22).....	618.85	82.36
28 23 00 00-0859 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 23 00 00-0854)		
28 23 00 00-0860 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	681.06	82.36
28 23 00 00-0861 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 23 00 00-0854)		
28 23 00 00-0862 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	712.16	82.36
28 23 00 00-0863 Camclosure® IS Integrated Cameras (28 23 00 00-0836)		
28 23 00 00-0864 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12).....	381.77	82.36
28 23 00 00-0865 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	381.77	82.36
28 23 00 00-0866 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	443.28	82.36
28 23 00 00-0867 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	609.86	82.36
28 23 00 00-0868 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22).....	625.76	82.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0869 Camclosure® ICS Integrated, Camera Dome Systems (28 23 00 00-0835)		
28 23 00 00-0870 Camclosure® ICS Integrated, Camera Dome Systems (28 23 00 00-0869)		
28 23 00 00-0871 Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 23 00 00-0870)		
28 23 00 00-0872 EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	424.04	123.54
28 23 00 00-0873 EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	453.76	123.54
28 23 00 00-0874 EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	572.65	123.54
28 23 00 00-0875 EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	572.65	123.54
28 23 00 00-0876 High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 23 00 00-0870)		
28 23 00 00-0877 EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	706.05	123.54
28 23 00 00-0878 Camclosure® ICS Integrated, Bullet Style Camera Systems (28 23 00 00-0869)		
28 23 00 00-0879 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 23 00 00-0878)		
28 23 00 00-0880 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	490.29	82.36
28 23 00 00-0881 Camclosure® ICS Integrated, Wedge Style Camera Systems (28 23 00 00-0869)		
28 23 00 00-0882 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 23 00 00-0881)		
28 23 00 00-0883 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	654.21	123.54
28 23 00 00-0884 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 23 00 00-0881)		
28 23 00 00-0885 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	716.41	123.54
28 23 00 00-0886 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 23 00 00-0881)		
28 23 00 00-0887 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	794.52	123.54
28 23 00 00-0888 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 23 00 00-0881)		
28 23 00 00-0889 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	825.62	123.54
28 23 00 00-0890 Camclosure® IP Network, Camera Dome Systems (28 23 00 00-0835)		
28 23 00 00-0891 Camclosure® IP Network, Camera Dome Systems (28 23 00 00-0890)		
28 23 00 00-0892 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 23 00 00-0891)		
28 23 00 00-0893 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,168.46	123.54
28 23 00 00-0894 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,168.46	123.54
28 23 00 00-0895 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 23 00 00-0891)		
28 23 00 00-0896 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,254.17	123.54
28 23 00 00-0897 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,254.17	123.54
28 23 00 00-0898 Day/Night, Camclosure® IP Network, Camera Dome Systems (28 23 00 00-0891)		
28 23 00 00-0899 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,386.19	123.54
28 23 00 00-0900 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,386.19	123.54

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0901			Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems (28 23 00 00-0891)		
28 23 00 00-0902	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	1,479.50	123.54
28 23 00 00-0903	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	1,479.50	123.54
28 23 00 00-0904			Accessories For Camclosure® Camera Dome Systems (28 23 00 00-0835)		
28 23 00 00-0905	EA		4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	24.80	6.17
28 23 00 00-0906	EA		4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	24.80	6.17
28 23 00 00-0907	EA		Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS).....	33.03	10.29
28 23 00 00-0908	EA		Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND).....	52.39	10.29
28 23 00 00-0909	EA		2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	53.83	6.17
28 23 00 00-0910	EA		Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	52.39	10.29
28 23 00 00-0911	EA		Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	66.21	10.29
28 23 00 00-0912	EA		Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	176.66	20.59
28 23 00 00-0913	EA		Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A).....	176.66	20.59
28 23 00 00-0914	EA		Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A).....	176.66	20.59
28 23 00 00-0915	EA		Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	176.66	20.59
28 23 00 00-0916	EA		Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P).....	62.75	10.29
28 23 00 00-0917	EA		Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD).....	72.28	20.59
28 23 00 00-0918	EA		Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	72.28	20.59
28 23 00 00-0919	EA		Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD).....	72.28	20.59
28 23 00 00-0920	EA		Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	72.28	20.59
28 23 00 00-0921	EA		Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	72.28	20.59
28 23 00 00-0922	EA		Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD).....	72.28	20.59
28 23 00 00-0923	EA		Surface Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS110-ENC).....	209.95	28.12
28 23 00 00-0924	EA		Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	209.95	28.12
28 23 00 00-0925	EA		Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	44.78	10.29
28 23 00 00-0926	EA		Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	75.89	10.29
28 23 00 00-0927	EA		White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	44.78	10.29
28 23 00 00-0928	EA		White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	75.89	10.29
28 23 00 00-0929	EA		Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,090.35	123.54
28 23 00 00-0930			Pan/Tilt Camera Systems (28 23 00 00-0703)		
28 23 00 00-0931			Esprit® CBZ, Pan/Tilt Camera Systems (28 23 00 00-0930)		
			Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 23 00 00-0932			EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 23 00 00-0931)		
28 23 00 00-0933			Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 23 00 00-0932)		
28 23 00 00-0934	EA		10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	3,075.30	185.32
28 23 00 00-0935	EA		20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	3,490.71	185.32
28 23 00 00-0936	EA		30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	4,066.48	185.32
28 23 00 00-0937	EA		10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	3,164.46	185.32
28 23 00 00-0938	EA		20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	3,598.53	185.32
28 23 00 00-0939	EA		30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	4,174.30	185.32
28 23 00 00-0940			Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 23 00 00-0932)		
28 23 00 00-0941	EA		10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	3,103.63	185.32
28 23 00 00-0942	EA		20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	3,519.05	185.32
28 23 00 00-0943	EA		30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	4,094.82	185.32
28 23 00 00-0944	EA		10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	3,193.49	185.32
28 23 00 00-0945	EA		20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	3,626.87	185.32
28 23 00 00-0946	EA		30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	4,202.64	185.32
28 23 00 00-0947			Esprit® CLZ, Pan/Tilt Camera Systems (28 23 00 00-0930)		
28 23 00 00-0948			DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 23 00 00-0947)		
28 23 00 00-0949			Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 23 00 00-0948)		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0950	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	3,183.12	185.32
28 23 00 00-0951	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	3,598.53	185.32
28 23 00 00-0952	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	4,174.30	185.32
28 23 00 00-0953	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,272.29	185.32
28 23 00 00-0954	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	3,706.36	185.32
28 23 00 00-0955	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,282.13	185.32
28 23 00 00-0956 Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0948)</small>				
28 23 00 00-0957	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,211.46	185.32
28 23 00 00-0958	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,626.87	185.32
28 23 00 00-0959	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,202.64	185.32
28 23 00 00-0960	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,301.32	185.32
28 23 00 00-0961	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	3,734.70	185.32
28 23 00 00-0962	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,310.47	185.32
28 23 00 00-0963 Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0930)</small>				
28 23 00 00-0964 High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0963)</small>				
28 23 00 00-0965 Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0964)</small>				
28 23 00 00-0966	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,002.72	185.32
28 23 00 00-0967	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	3,418.13	185.32
28 23 00 00-0968	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	3,993.90	185.32
28 23 00 00-0969	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	3,092.58	185.32
28 23 00 00-0970	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	3,525.96	185.32
28 23 00 00-0971	EA	5.5 x 30, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	4,101.73	185.32
28 23 00 00-0972 Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0964)</small>				
28 23 00 00-0973	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,031.75	185.32
28 23 00 00-0974	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,446.47	185.32
28 23 00 00-0975	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,022.93	185.32
28 23 00 00-0976	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	3,051.79	185.32
28 23 00 00-0977	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,120.91	185.32
28 23 00 00-0978	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	3,554.30	185.32
28 23 00 00-0979	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	4,130.76	185.32
28 23 00 00-0980 Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0930)</small>				
28 23 00 00-0981 Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0980)</small>				
28 23 00 00-0982 Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0981)</small>				
28 23 00 00-0983	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	3,590.24	185.32
28 23 00 00-0984	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	4,166.01	185.32
28 23 00 00-0985	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	3,264.68	185.32
28 23 00 00-0986	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	3,698.07	185.32
28 23 00 00-0987	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	4,273.84	185.32
28 23 00 00-0988 Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 23 00 00-0981)</small>				
28 23 00 00-0989	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	3,203.86	185.32
28 23 00 00-0990	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	3,618.58	185.32
28 23 00 00-0991	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	4,195.04	185.32
28 23 00 00-0992	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	3,293.02	185.32

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0993 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	3,726.41	185.32
28 23 00 00-0994 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	4,302.87	185.32
28 23 00 00-0995 Esprit® KWZ, Pan/Tilt Camera Systems (28 23 00 00-0930)		
28 23 00 00-0996 Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 23 00 00-0995)		
28 23 00 00-0997 Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 23 00 00-0996)		
28 23 00 00-0998 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	4,257.94	185.32
28 23 00 00-0999 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	3,355.92	185.32
28 23 00 00-1000 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	4,365.77	185.32
28 23 00 00-1001 Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 23 00 00-0996)		
28 23 00 00-1002 EA 6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	3,295.10	185.32
28 23 00 00-1003 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	4,286.97	185.32
28 23 00 00-1004 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	3,384.95	185.32
28 23 00 00-1005 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	3,818.34	185.32
28 23 00 00-1006 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	4,394.80	185.32
28 23 00 00-1007 Esprit® IOC, Pan/Tilt Camera Systems (28 23 00 00-0930)		
28 23 00 00-1008 Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 23 00 00-1007)		
28 23 00 00-1009 Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 23 00 00-1008)		
28 23 00 00-1010 EA 16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	3,584.71	185.32
28 23 00 00-1011 Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 23 00 00-1008)		
28 23 00 00-1012 EA 16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	3,613.05	185.32
28 23 00 00-1013 High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 23 00 00-1007)		
28 23 00 00-1014 Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 23 00 00-1013)		
28 23 00 00-1015 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N).....	4,257.94	185.32
28 23 00 00-1016 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N).....	4,116.93	185.32
28 23 00 00-1017 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N).....	4,680.26	185.32
28 23 00 00-1018 Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 23 00 00-1013)		
28 23 00 00-1019 EA 22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W).....	4,285.59	185.32
28 23 00 00-1020 EA 24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	4,116.93	185.32
28 23 00 00-1021 EA 35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	4,711.37	185.32
28 23 00 00-1022 Esprit® IOP, Pan/Tilt Camera Systems (28 23 00 00-0930)		
28 23 00 00-1023 High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 23 00 00-1022)		
28 23 00 00-1024 Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 23 00 00-1023)		
28 23 00 00-1025 EA 16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	2,755.96	185.32
28 23 00 00-1026 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	3,429.88	185.32
28 23 00 00-1027 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	3,290.95	185.32
28 23 00 00-1028 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	3,729.86	185.32
28 23 00 00-1029 Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 23 00 00-1023)		
28 23 00 00-1030 EA 16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	2,783.61	185.32
28 23 00 00-1031 EA 22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	3,458.22	185.32
28 23 00 00-1032 EA 24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	3,319.29	185.32
28 23 00 00-1033 EA 35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	3,760.97	185.32
28 23 00 00-1034 Esprit® Thermal, Pan/Tilt Camera Systems (28 23 00 00-0930)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1035 Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 23 00 00-1034)</small>		
28 23 00 00-1036 Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 23 00 00-1035)</small>		
28 23 00 00-1037 EA 14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	17,724.59	185.32
28 23 00 00-1038 EA 35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	19,060.68	185.32
28 23 00 00-1039 EA 50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	19,509.27	185.32
28 23 00 00-1040 Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 23 00 00-1035)</small>		
28 23 00 00-1041 EA 14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	17,753.62	185.32
28 23 00 00-1042 EA 35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	19,089.02	185.32
28 23 00 00-1043 EA 50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	19,537.61	185.32
28 23 00 00-1044 Accessories For Esprit® Pan/Tilt Camera Systems <small>(28 23 00 00-0930)</small>		
28 23 00 00-1045 EA Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	7.78	2.06
28 23 00 00-1046 EA Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	44.78	10.29
28 23 00 00-1047 EA Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	69.67	10.29
28 23 00 00-1048 EA Wall Mount For High Security Enclosures (Pelco HSWM12)	88.33	10.29
28 23 00 00-1049 EA Ground Isolation Transformer (Pelco GIT100).....	258.33	28.12
28 23 00 00-1050 EA High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	254.88	28.12
28 23 00 00-1051 EA High Security, Indoor 10" Length Enclosure (Pelco HS3000)	308.79	28.12
28 23 00 00-1052 EA High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	564.53	28.12
28 23 00 00-1053 EA High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	239.67	28.12
28 23 00 00-1054 EA High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	454.63	28.12
28 23 00 00-1055 EA Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	959.21	28.12
28 23 00 00-1056 EA Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,139.61	28.12
28 23 00 00-1057 EA 24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,180.39	28.12
28 23 00 00-1058 EA 35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,244.68	28.12
28 23 00 00-1059 EA 24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,078.95	28.13
28 23 00 00-1060 EA 115/230 Volt AC, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5).....	2,078.95	28.12
28 23 00 00-1061 EA 24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,099.69	28.12
28 23 00 00-1062 EA 120 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5N)	2,099.69	28.12
28 23 00 00-1063 EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,128.72	28.12
28 23 00 00-1064 EA 120 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5W)	2,128.72	28.12
28 23 00 00-1065 EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	3,895.43	28.12
28 23 00 00-1066 EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	4,003.25	28.12
28 23 00 00-1067 EA Esprit® Camera Pole Mount Adapter (Pelco EPM)	63.35	6.63
28 23 00 00-1068 EA Pole Mount Adapter For Esprit® Systems (Pelco EPM)	63.35	6.63
28 23 00 00-1069 Camera Lenses <small>(28 23 00 00-0559)</small>		
28 23 00 00-1070 Fixed Focus Camera Lenses <small>(28 23 00 00-1069)</small>		
Note: 1/3" format and manual focus.		
28 23 00 00-1071 Manual Iris, Fixed Focus Camera Lenses <small>(28 23 00 00-1070)</small>		
28 23 00 00-1072 EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	113.30	9.67
28 23 00 00-1073 EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	93.95	9.67
28 23 00 00-1074 EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	84.27	9.67
28 23 00 00-1075 EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	82.20	9.67
28 23 00 00-1076 Direct Drive Auto Iris, Fixed Focus Camera Lenses <small>(28 23 00 00-1070)</small>		
Note: Includes spot filter. Excludes amplifier.		
28 23 00 00-1077 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	141.64	9.67
28 23 00 00-1078 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	113.30	9.67
28 23 00 00-1079 EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	106.39	9.67
28 23 00 00-1080 EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	75.97	9.67
28 23 00 00-1081 Video Drive Auto Iris, Fixed Focus Camera Lenses <small>(28 23 00 00-1070)</small>		
Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 23 00 00-1082 EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	167.21	9.67
28 23 00 00-1083 EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	138.18	9.67
28 23 00 00-1084 EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	131.27	9.67
28 23 00 00-1085 EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	125.74	9.67
28 23 00 00-1086 Varifocal Camera Lenses <small>(28 23 00 00-1069)</small>		
Note: 1/3" format and manual focus and zoom.		
28 23 00 00-1087 Manual Iris, Varifocal Camera Lenses <small>(28 23 00 00-1086)</small>		
28 23 00 00-1088 EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	170.67	9.67
28 23 00 00-1089 EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	132.65	9.67
28 23 00 00-1090 EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	102.93	9.67
28 23 00 00-1091 EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	90.49	9.67
28 23 00 00-1092 EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	236.33	9.67
28 23 00 00-1093 EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	136.11	9.67
28 23 00 00-1094 EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	165.83	9.67

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1095 Direct Drive Auto Iris, Varifocal Camera Lenses (28 23 00 00-1086) Note: Includes spot filter.		
28 23 00 00-1096 EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	200.39	9.67
28 23 00 00-1097 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	175.51	9.67
28 23 00 00-1098 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	131.27	9.67
28 23 00 00-1099 EA 3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	94.64	9.67
28 23 00 00-1100 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	257.76	9.67
28 23 00 00-1101 EA 5-40 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-40)	151.32	9.67
28 23 00 00-1102 EA 5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	198.32	9.67
28 23 00 00-1103 Video Drive Auto Iris, Varifocal Camera Lenses (28 23 00 00-1086) Note: Includes spot filter.		
28 23 00 00-1104 EA 1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	225.97	9.67
28 23 00 00-1105 EA 2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	200.39	9.67
28 23 00 00-1106 EA 3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	120.21	9.67
28 23 00 00-1107 EA 5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	223.20	9.67
28 23 00 00-1108 Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 23 00 00-1086) 1086		
28 23 00 00-1109 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	111.23	9.67
28 23 00 00-1110 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	174.13	9.67
28 23 00 00-1111 Motorized Zoom Camera Lenses (28 23 00 00-1069) Note: 1/3" format.		
28 23 00 00-1112 Manual Iris, Motorized Zoom Camera Lenses (28 23 00 00-1111)		
28 23 00 00-1113 EA 8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	410.52	9.67
28 23 00 00-1114 EA 10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	512.81	9.67
28 23 00 00-1115 EA 15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	546.68	9.67
28 23 00 00-1116 Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 23 00 00-1111) Note: Includes spot filter.		
28 23 00 00-1117 EA 6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	395.31	9.67
28 23 00 00-1118 EA 10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	475.49	9.67
28 23 00 00-1119 EA 15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	604.05	9.67
28 23 00 00-1120 EA 20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	890.90	9.67
28 23 00 00-1121 EA 30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	1,467.36	9.67
28 23 00 00-1122 Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 23 00 00-1111) Note: Includes spot filter.		
28 23 00 00-1123 EA 8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	420.88	9.67
28 23 00 00-1124 EA 10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	501.06	9.67
28 23 00 00-1125 EA 15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	629.63	9.67
28 23 00 00-1126 EA 20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	916.47	9.67
28 23 00 00-1127 EA 30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	1,492.24	9.67
28 23 00 00-1128 Camera Power Supplies (28 23 00 00-0559)		
28 23 00 00-1129 EA 20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	28.91	8.23
28 23 00 00-1130 EA 50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	49.65	8.23
28 23 00 00-1131 EA 2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	109.67	16.47
28 23 00 00-1132 EA 5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	151.71	24.71
28 23 00 00-1133 EA 10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	218.65	32.95
For Switchable Outputs, Add	91.66	
28 23 00 00-1134 EA 20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	270.37	41.18
For Switchable Outputs, Add	112.81	
28 23 00 00-1135 Camera Illuminators (28 23 00 00-0559)		
28 23 00 00-1136 Camera Illuminators (28 23 00 00-1135) Note: Includes lamp and mounting bracket.		
28 23 00 00-1137 EA Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,091.87	16.47
28 23 00 00-1138 EA Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,091.87	16.47
28 23 00 00-1139 EA Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,091.87	16.47
28 23 00 00-1140 Camera Illuminator Accessories (28 23 00 00-1135)		
28 23 00 00-1141 EA Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	91.70	16.47
28 23 00 00-1142 Camera Receivers (28 23 00 00-0559)		
28 23 00 00-1143 EA 24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,061.51	28.12
28 23 00 00-1144 EA 120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,061.51	28.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1145 Pan And Tilt Drives <small>(28 23 00 00-0559)</small>		
28 23 00 00-1146 EA 15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	754.61	61.77
28 23 00 00-1147 EA 40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	956.44	61.77
<i>For Preset Positioning, Add</i>	165.00	
28 23 00 00-1148 EA 100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	2,015.35	61.77
<i>For Preset Positioning, Add</i>	165.00	
28 23 00 00-1149 EA 100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	2,302.20	61.77
<i>For Preset Positioning, Add</i>	165.00	
28 23 00 00-1150 EA 100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	2,663.01	61.77
<i>For Preset Positioning, Add</i>	165.00	
28 23 00 00-1151 EA 100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	3,430.24	61.77
<i>For Preset Positioning, Add</i>	165.00	
28 23 00 00-1152 Scanners <small>(28 23 00 00-0559)</small>		
28 23 00 00-1153 EA 35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	860.36	61.77
<i>For Wall Mount, Add</i>	39.05	
<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 23 00 00-1154 EA 35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	903.90	61.77
<i>For Wall Mount, Add</i>	39.05	
<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 23 00 00-1155 Camera Monitors <small>(28 23 00 00-0556)</small>		
28 23 00 00-1156 Camera Monitors <small>(28 23 00 00-1155)</small>		
28 23 00 00-1157 Monochrome Camera Monitors <small>(28 23 00 00-1156)</small>		
28 23 00 00-1158 EA 9" Monochrome Camera Monitor (Pelco PMM9A)	167.79	12.36
28 23 00 00-1159 EA 12" Monochrome Camera Monitor (Pelco PMM12A).....	191.98	12.36
28 23 00 00-1160 EA 15" Monochrome Camera Monitor (Pelco PMM15A).....	294.28	12.36
28 23 00 00-1161 EA 20" Monochrome Camera Monitor (Pelco PMM20A).....	473.30	12.36
28 23 00 00-1162 Color Camera Monitors <small>(28 23 00 00-1156)</small>		
28 23 00 00-1163 EA 9", High Resolution Color, Camera Monitor (Pelco PMC9A)	534.12	12.36
28 23 00 00-1164 EA 15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	433.21	12.36
28 23 00 00-1165 EA 17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	629.51	12.36
28 23 00 00-1166 EA 19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	836.87	12.36
28 23 00 00-1167 LCD Camera Monitors <small>(28 23 00 00-1155)</small>		
28 23 00 00-1168 VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) <small>(28 23 00 00-1167)</small>		
<i>Note: Displays VGA computer signals.</i>		
28 23 00 00-1169 EA 17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	603.94	12.36
28 23 00 00-1170 EA 19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	786.41	12.36
28 23 00 00-1171 Multimode, Color LCD Camera Monitors (Pelco 300 Series) <small>(28 23 00 00-1167)</small>		
<i>Note: Displays VGA computer signals and/or composite video signals.</i>		
28 23 00 00-1172 EA 15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	686.88	12.36
28 23 00 00-1173 EA 17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	822.35	12.36
28 23 00 00-1174 EA 19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,011.74	12.36
28 23 00 00-1175 Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) <small>(28 23 00 00-1167)</small>		
<i>Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.</i>		
28 23 00 00-1176 EA 15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	881.80	12.36
28 23 00 00-1177 EA 17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,022.80	12.36
28 23 00 00-1178 EA 19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,283.39	12.36
28 23 00 00-1179 Camera Monitor Mounting Accessories <small>(28 23 00 00-1155)</small>		
28 23 00 00-1180 Camera Monitor Mounts <small>(28 23 00 00-1179)</small>		
28 23 00 00-1181 EA Up To 14", Camera Monitor Mount (Pelco).....	205.75	16.47
28 23 00 00-1182 EA >14" To 17", Camera Monitor Mount (Pelco)	239.62	16.47
28 23 00 00-1183 EA >17" To 21", Camera Monitor Mount (Pelco).....	281.09	16.47
28 23 00 00-1184 Camera Monitor Rack Mount Kits <small>(28 23 00 00-1179)</small>		
28 23 00 00-1185 EA Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	124.88	16.47
28 23 00 00-1186 Video Transmission Equipment <small>(28 23 00 00-0558)</small>		
28 23 00 00-1187 UTP Cable, Video Transmission Equipment <small>(28 23 00 00-1186)</small>		
28 23 00 00-1188 UTP Cable, Active Video Receivers <small>(28 23 00 00-1187)</small>		

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1189 EA Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	258.91	20.59
28 23 00 00-1190 EA Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	889.97	20.59
28 23 00 00-1191 EA Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,750.52	20.59
28 23 00 00-1192 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	2,875.10	20.59
28 23 00 00-1193 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,356.87	20.59
28 23 00 00-1194 UTP Cable, Passive Video Transceivers (28 23 00 00-1187)		
28 23 00 00-1195 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	76.43	20.59
28 23 00 00-1196 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	258.91	20.59
28 23 00 00-1197 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	477.33	20.59
28 23 00 00-1198 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	907.25	20.59
28 23 00 00-1199 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	1,774.02	20.59
28 23 00 00-1200 UTP Cable, Active Video Transmitters (28 23 00 00-1187)		
28 23 00 00-1201 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	270.66	20.59
28 23 00 00-1202 Fiber Optics, Video Transmission Equipment (28 23 00 00-1186)		
28 23 00 00-1203 Data Only, Fiber Optics Transmission Equipment (28 23 00 00-1202)		
28 23 00 00-1204 Bidirectional Data, Fiber Optics Transmitters (28 23 00 00-1203)		
28 23 00 00-1205 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	1,567.06	41.18
28 23 00 00-1206 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	642.23	41.18
28 23 00 00-1207 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,146.12	41.18
28 23 00 00-1208 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	791.53	41.18
28 23 00 00-1209 Bidirectional Data, Fiber Optics Receivers (28 23 00 00-1203)		
28 23 00 00-1210 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,567.06	41.18
28 23 00 00-1211 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	642.23	41.18
28 23 00 00-1212 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,146.12	41.18
28 23 00 00-1213 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	791.53	41.18
28 23 00 00-1214 Video Only, Fiber Optics Transmission Equipment (28 23 00 00-1202)		
28 23 00 00-1215 Digitally Encoded Video, Fiber Optics Transmitters (28 23 00 00-1214)		
28 23 00 00-1216 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	697.53	41.18
28 23 00 00-1217 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	306.31	41.18
28 23 00 00-1218 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	1,927.17	41.18
28 23 00 00-1219 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,159.94	41.18
28 23 00 00-1220 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,154.74	41.18
28 23 00 00-1221 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,623.90	41.18
28 23 00 00-1222 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	7,827.26	41.18
28 23 00 00-1223 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	6,966.71	41.18
28 23 00 00-1224 Digitally Encoded Video, Fiber Optics Receivers (28 23 00 00-1214)		
28 23 00 00-1225 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	697.53	41.18
28 23 00 00-1226 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	306.31	41.18
28 23 00 00-1227 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,188.28	41.18
28 23 00 00-1228 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	483.95	41.18
28 23 00 00-1229 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	1,927.17	41.18
28 23 00 00-1230 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,159.94	41.18
28 23 00 00-1231 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,154.74	41.18
28 23 00 00-1232 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,623.90	41.18
28 23 00 00-1233 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	7,827.26	41.18
28 23 00 00-1234 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	6,966.71	41.18
28 23 00 00-1235 Video And Data, Fiber Optics Transmission Equipment (28 23 00 00-1202)		
28 23 00 00-1236 Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 23 00 00-1235)		
28 23 00 00-1237 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,200.03	41.18
28 23 00 00-1238 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	716.88	41.18
28 23 00 00-1239 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	2,789.10	41.18
28 23 00 00-1240 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	2,415.16	41.18
28 23 00 00-1241 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	4,512.26	41.18
28 23 00 00-1242 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	3,272.25	41.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1243				Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers <small>(28 23 00 00-1235)</small>		
28 23 00 00-1244	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,200.03	41.18
28 23 00 00-1245	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	716.88	41.18
28 23 00 00-1246	EA			Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	2,789.10	41.18
28 23 00 00-1247	EA			Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	2,415.16	41.18
28 23 00 00-1248	EA			Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	4,512.26	41.18
28 23 00 00-1249	EA			Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	3,272.25	41.18
28 23 00 00-1250				Video, Audio And Data, Fiber Optics Transmission Equipment <small>(28 23 00 00-1202)</small>		
28 23 00 00-1251				Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters <small>(28 23 00 00-1250)</small>		
28 23 00 00-1252	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	1,544.94	41.18
28 23 00 00-1253	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,229.75	41.18
28 23 00 00-1254				Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers <small>(28 23 00 00-1250)</small>		
28 23 00 00-1255	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	1,544.94	41.18
28 23 00 00-1256	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,229.75	41.18
28 23 00 00-1257				Video Amplifiers <small>(28 23 00 00-1186)</small>		
28 23 00 00-1258				Video Distribution Amplifiers <small>(28 23 00 00-1257)</small>		
28 23 00 00-1259	EA			1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	191.32	10.29
28 23 00 00-1260	EA			16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA).....	1,548.83	10.29
				Note: Inserts time-date and title on up to 16 video inputs.		
28 23 00 00-1261				Video Equalizing Amplifiers <small>(28 23 00 00-1257)</small>		
28 23 00 00-1262	EA			Video Equalizing Amplifier (Pelco EA2010).....	207.91	10.29
28 23 00 00-1263	EA			Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	326.10	10.29
28 23 00 00-1264				Network Video Equipment <small>(28 23 00 00-0558)</small>		
28 23 00 00-1265				Video Encoders/Decoders <small>(28 23 00 00-1264)</small>		
28 23 00 00-1266	EA			MPEG4 IP Video Receiver (Pelco NET300R).....	770.80	20.59
28 23 00 00-1267	EA			MPEG4 IP Video Transmitter (Pelco NET300T).....	770.80	20.59
28 23 00 00-1268	EA			MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	886.92	20.59
28 23 00 00-1269	EA			MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	886.92	20.59
28 23 00 00-1270				Network Video Recorders <small>(28 23 00 00-1264)</small>		
28 23 00 00-1271	EA			16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	4,869.61	41.18
28 23 00 00-1272	EA			32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	5,666.56	41.18
28 23 00 00-1273	EA			64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,261.85	41.18
28 23 00 00-1274	EA			64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	4,809.48	41.18
28 23 00 00-1275				Network Video Recorder Software <small>(28 23 00 00-1264)</small>		
28 23 00 00-1276	EA			10 User, License Pack (Pelco VMX300-LIC-10).....	481.08	
28 23 00 00-1277	EA			20 User, License Pack (Pelco VMX300-LIC-20).....	867.46	
28 23 00 00-1278	EA			50 User, License Pack (Pelco VMX300-LIC-50).....	1,926.37	
28 23 00 00-1279	EA			100 User, License Pack (Pelco VMX300-LIC-100).....	3,369.60	
28 23 00 00-1280	EA			10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	803.17	
28 23 00 00-1281	EA			20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,444.61	
28 23 00 00-1282	EA			50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,210.62	
28 23 00 00-1283	EA			100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	5,617.38	
28 23 00 00-1284	EA			200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	9,629.11	
28 23 00 00-1285	EA			500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	20,060.01	
28 23 00 00-1286	EA			0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,334.30	
28 23 00 00-1287	EA			1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	4,601.80	
28 23 00 00-1288	EA			4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,277.43	

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1289 EA 0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	4,816.07	
28 23 00 00-1290 EA 1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	5,083.56	
28 23 00 00-1291 EA 4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	7,757.82	
28 23 00 00-1292 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	4,655.71	
28 23 00 00-1293 EA 1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	4,923.90	
28 23 00 00-1294 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	7,598.84	
28 23 00 00-1295 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	5,457.50	
28 23 00 00-1296 EA 1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	5,725.00	
28 23 00 00-1297 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	8,400.63	
28 23 00 00-1298 Video Recording Equipment (28 23 00 00-0558)		
28 23 00 00-1299 Digital Video Recorders (28 23 00 00-1298)		
28 23 00 00-1300 EA 8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000)	3,920.59	41.18
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 23 00 00-1301 EA 8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000)	5,297.46	41.18
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 23 00 00-1302 EA 8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000)	6,674.33	41.18
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 23 00 00-1303 EA 16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000)	4,494.29	41.18
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 23 00 00-1304 EA 16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000)	5,871.16	41.18
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 23 00 00-1305 EA 16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000)	7,248.03	41.18
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 23 00 00-1306 EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	7,624.04	41.18
28 23 00 00-1307 EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	10,453.82	41.18
28 23 00 00-1308 EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	13,284.28	41.18
28 23 00 00-1309 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	9,178.55	41.18
28 23 00 00-1310 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	12,008.32	41.18
28 23 00 00-1311 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	14,838.79	41.18
28 23 00 00-1312 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	10,033.57	41.18
28 23 00 00-1313 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	12,863.34	41.18
28 23 00 00-1314 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	15,693.80	41.18
28 23 00 00-1315 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	11,588.08	41.18
28 23 00 00-1316 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	14,417.85	41.18
28 23 00 00-1317 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	17,248.31	41.18
28 23 00 00-1318 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	8,415.67	41.18
28 23 00 00-1319 Digital Video Recorder Accessories (28 23 00 00-1298)		
28 23 00 00-1320 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	745.91	20.59
28 23 00 00-1321 Matrix Systems And Controls (28 23 00 00-0558)		
28 23 00 00-1322 Video Multiplexers (28 23 00 00-1321)		
28 23 00 00-1323 Monochrome Duplex, Video Multiplexers (28 23 00 00-1322)		
28 23 00 00-1324 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,405.32	41.18
28 23 00 00-1325 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,328.59	41.18
28 23 00 00-1326 Color Duplex, Video Multiplexers (28 23 00 00-1322)		
28 23 00 00-1327 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	951.20	41.18
28 23 00 00-1328 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	1,808.98	41.18
28 23 00 00-1329 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	1,960.35	41.18
28 23 00 00-1330 Color Simplex, Video Multiplexers (28 23 00 00-1322)		
28 23 00 00-1331 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,521.44	41.18
28 23 00 00-1332 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,775.80	41.18
28 23 00 00-1333 Video Multiplexer Accessories (28 23 00 00-1322)		
28 23 00 00-1334 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	842.40	28.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1335 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	498.18	28.12
28 23 00 00-1336 EA Video Multiplexer Server (Pelco MX4000SVR)	1,405.32	41.18
28 23 00 00-1337 Quad Video Processor <small>(28 23 00 00-1321)</small>		
28 23 00 00-1338 EA Monochrome, Quad Video Processor (Pelco QD104M)	435.86	20.59
28 23 00 00-1339 EA Color, Quad Video Processor (Pelco QD104C)	712.34	20.59
28 23 00 00-1340 Switcher <small>(28 23 00 00-1321)</small>		
28 23 00 00-1341 Terminating Manual Switchers <small>(28 23 00 00-1340)</small>		
28 23 00 00-1342 Terminating Manual Switchers <small>(28 23 00 00-1341)</small>		
28 23 00 00-1343 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	152.53	16.47
28 23 00 00-1344 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	206.44	16.47
28 23 00 00-1345 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	250.68	16.47
28 23 00 00-1346 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	408.96	16.47
28 23 00 00-1347 Audio Follow, Terminating Manual Switchers <small>(28 23 00 00-1341)</small>		
28 23 00 00-1348 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	196.76	16.47
28 23 00 00-1349 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	345.37	16.47
28 23 00 00-1350 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	601.81	16.47
28 23 00 00-1351 Balanced Audio Follow, Terminating Manual Switchers <small>(28 23 00 00-1341)</small>		
28 23 00 00-1352 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	262.43	16.47
28 23 00 00-1353 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	479.47	16.47
28 23 00 00-1354 Looping Manual Switchers <small>(28 23 00 00-1340)</small>		
28 23 00 00-1355 Looping Manual Switchers <small>(28 23 00 00-1354)</small>		
28 23 00 00-1356 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	170.50	16.47
28 23 00 00-1357 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	233.40	16.47
28 23 00 00-1358 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	296.99	16.47
28 23 00 00-1359 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	488.45	16.47
28 23 00 00-1360 Audio Follow, Looping Manual Switchers <small>(28 23 00 00-1354)</small>		
28 23 00 00-1361 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	211.97	16.47
28 23 00 00-1362 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	368.87	16.47
28 23 00 00-1363 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	505.73	16.47
28 23 00 00-1364 Balanced Audio Follow, Looping Manual Switchers <small>(28 23 00 00-1354)</small>		
28 23 00 00-1365 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	281.09	16.47
28 23 00 00-1366 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	507.80	16.47
28 23 00 00-1367 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	638.44	16.47
28 23 00 00-1368 Sequential Switchers <small>(28 23 00 00-1340)</small>		
28 23 00 00-1369 Single Output, Sequential Switchers <small>(28 23 00 00-1368)</small>		
28 23 00 00-1370 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	297.68	16.47
28 23 00 00-1371 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	442.83	16.47
28 23 00 00-1372 Dual Outputs, Sequential Switchers <small>(28 23 00 00-1368)</small>		
28 23 00 00-1373 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	371.64	16.47
28 23 00 00-1374 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	514.03	16.47
28 23 00 00-1375 Controls <small>(28 23 00 00-1321)</small>		
28 23 00 00-1376 Direct/Multi-Cable Controls <small>(28 23 00 00-1375)</small>		
28 23 00 00-1377 EA Scanner Control Module (Pelco MPS524DT)	259.31	41.18
28 23 00 00-1378 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	276.59	41.18
28 23 00 00-1379 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	306.31	41.18
28 23 00 00-1380 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT)	320.13	41.18
28 23 00 00-1381 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	502.61	41.18
28 23 00 00-1382 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	553.07	41.18
28 23 00 00-1383 Coaxitron Controls <small>(28 23 00 00-1375)</small>		
28 23 00 00-1384 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	369.62	28.12
28 23 00 00-1385 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	695.17	28.12

28 Electronic Safety And Security**28 20 Electronic Surveillance****28 23 Video Surveillance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1386 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	788.48	28.12
28 23 00 00-1387 Digital Controls (28 23 00 00-1375)		
28 23 00 00-1388 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	494.72	28.12
28 23 00 00-1389 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	835.49	28.12
28 23 00 00-1390 Lock Boxes (28 23 00 00-1321)		
28 23 00 00-1391 EA VCR Lock Box (Pelco LB1000).....	303.00	30.88
For Wall Mount, Add	165.00	
28 23 00 00-1392 EA Computer Disk Drive Lock Box (Pelco LB2000).....	309.91	30.88
28 23 00 00-1393 EA VCR And Multiplexer Lock Box (Pelco LB3000).....	565.65	30.88
Note: Includes storage for 32 VCR tapes.		

28 26 Electronic Personal Protection Systems (28 20)**28 26 13 Electronic Personal Safety Detection Systems** (28 26)**28 26 13 00-0001 Personnel Alarm Locating System** (28 26 13)

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 26 13 00-0002 EA Personnel Alarm Locating System.....	11,849.91	659.97
Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 26 13 00-0003 EA Personnel Alarm Transmitters With Lithium Batteries.....	91.26	
28 26 13 00-0004 EA Lapel Reader.....	35.10	
28 26 13 00-0005 EA IR Locator.....	140.66	24.71
28 26 13 00-0006 EA Repeater And Receivers.....	354.27	82.36

28 26 23 Electronic Personal Safety Emergency Aid Devices (28 26)**28 26 23 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling)** (28 26 23)**28 26 23 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling)** (28 26 23 00-0001)

28 26 23 00-0003 EA Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	191.73	49.41
Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 26 23 00-0004 EA Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	227.01	57.66
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 26 23 00-0005 EA Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	228.47	57.66
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		

28 26 23 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 26 23 00-0001)

28 26 23 00-0007 EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	138.34	30.88
28 26 23 00-0008 EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	132.02	24.71
28 26 23 00-0009 EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	67.94	24.71
28 26 23 00-0010 EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	109.27	24.71
28 26 23 00-0011 EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	124.04	24.71
28 26 23 00-0012 EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	139.38	24.71
28 26 23 00-0013 EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	188.67	24.71
28 26 23 00-0014 EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	209.87	24.71

28 26 23 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 26 23 00-0001)

28 26 23 00-0016 EA Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	86.48	24.71
28 26 23 00-0017 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	121.70	24.71
28 26 23 00-0018 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	155.71	24.71
28 26 23 00-0019 EA 3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	157.71	8.23
28 26 23 00-0020 EA Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	124.85	24.71
28 26 23 00-0021 EA Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	145.19	24.71
28 26 23 00-0022 EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	237.86	24.71
28 26 23 00-0023 EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	119.26	24.71
28 26 23 00-0024 EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	133.94	8.23
28 26 23 00-0025 EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	204.92	8.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 26 23 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	209.28	8.23
28 26 23 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	274.46	8.23

28 30 Electronic Detection And Alarm (28)

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and termination.

28 31 Fire Detection And Alarm (28 30)

28 31 23 Fire Detection And Alarm (28 31)

28 31 23 00-0001	Edwards Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-0002	EST3 Life Safety And Security Control <small>(28 31 23 00-0001)</small>		
28 31 23 00-0003	EST3 Network <small>(28 31 23 00-0002)</small>		
28 31 23 00-0004	Remote Annunciators <small>(28 31 23 00-0003)</small>		
28 31 23 00-0005	EA Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	818.73	61.77
	Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0006	EA Six Position Base Annunciator (EST3 3-6ANN).....	673.30	61.77
	Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0007	EA Ten Position Base Annunciator (EST3 3-10ANN).....	842.88	61.77
	Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0008	EA Annunciator CPU (EST3 3-ANNCPU3)	549.16	61.77
	Note: One Required per graphic annunciator.		
28 31 23 00-0009	EA Annunciator Support Module (EST3 3-ANNSM)	105.95	20.59
	Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 31 23 00-0010	EA Liquid Crystal Display Module (EST3 3-LCD)	364.80	61.77
	Note: Mounts over 3-CPU(1).		
28 31 23 00-0011	EA Liquid Crystal Display Module (EST3 3-LCDXL).....	378.29	61.77
	Note: Mounts over 3-ANNCPU plus two spaces.		
28 31 23 00-0012	EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	407.31	61.77
	Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 31 23 00-0013	EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	458.34	41.18
	Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 31 23 00-0014	EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	77.08	20.59
	Note: Mounts up to three 3-EVDVRA modules.		
28 31 23 00-0015	EA Central Processor Unit Module (EST3 3-CPU3)	865.52	61.77
	Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0016	EA Primary Power Supply With Local Rail Module, 120 Volt, 50/60 Hz (EST3 3-CPU3)	833.10	20.59
	Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0017	Remote Annunciators Cabinets <small>(28 31 23 00-0003)</small>		
28 31 23 00-0018	EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	82.24	20.59
28 31 23 00-0019	EA Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	74.01	16.47
28 31 23 00-0020	EA Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	91.35	20.59
28 31 23 00-0021	EA Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	83.12	16.47
28 31 23 00-0022	EA Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	99.90	20.59
28 31 23 00-0023	EA Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	91.67	16.47
28 31 23 00-0024	Audio And Telephone Masters <small>(28 31 23 00-0003)</small>		
28 31 23 00-0025	EA Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	2,604.95	82.36
28 31 23 00-0026	EA Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,470.00	82.36
28 31 23 00-0027	EA Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,377.79	82.36
28 31 23 00-0028	EA Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,391.96	82.36
28 31 23 00-0029	EA Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,583.46	82.36
28 31 23 00-0030	EA Zoned Audio Amplifier Module (EST3 3-ZA95).....	1,463.58	41.18
28 31 23 00-0031	Battery Distribution Unit <small>(28 31 23 00-0003)</small>		
28 31 23 00-0032	EA Battery Distribution Unit (EST3 3-BTSEN).....	326.47	244.10
28 31 23 00-0033	Remote Booster Power Supply <small>(28 31 23 00-0003)</small>		
28 31 23 00-0034	EA 6.5 Amp, 120 Volt, Booster Power Supply (EST3 BPS6A)	478.26	61.77
28 31 23 00-0035	EA 10 Amp, 110 Volt Booster Power Supply (EST3 BPS10)	541.38	61.77
28 31 23 00-0036	EA 10 Amp, 220 Volt Booster Power Supply (EST3 BPS10220).....	587.88	61.77
28 31 23 00-0037	EA Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	83.77	20.59
28 31 23 00-0038	Batteries And Battery Cabinets <small>(28 31 23 00-0003)</small>		
28 31 23 00-0039	EA 1.2 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V1A2 (1.2 Ah)).....	66.44	20.59
28 31 23 00-0040	EA 4 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V4A (4.5 Ah)).....	80.15	20.59

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0041	EA	24 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V24A (26 Ah)).....	174.75	20.59
28 31	23 00-0042	EA	6.5 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V6A5 (7.2 Ah)).....	85.64	20.59
28 31	23 00-0043	EA	40 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V40A (40 Ah)).....	218.66	20.59
28 31	23 00-0044	EA	10 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V10A (11 Ah)).....	127.75	20.59
28 31	23 00-0045	EA	50 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V50A (50 Ah)).....	432.61	20.59
28 31	23 00-0046	EA	17 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V17A (18 Ah)).....	130.58	20.59
28 31	23 00-0047	EA	65 Ah Sealed Lead Acid Battery - 12 Volt DC (EST3 12V65A (65 Ah)).....	518.64	20.59
28 31	23 00-0048	EA	8.0 Ah Sealed Lead Acid Battery - 6 Volt DC (EST3 6V8A (8 Ah)).....	77.48	20.59
28 31	23 00-0049	EA	10 Ah Sealed Lead Acid Battery - 6 Volt DC (EST3 6V10A (12 Ah)).....	70.63	20.59
28 31	23 00-0050	EA	Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	317.70	82.36
28 31	23 00-0051	EA	Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	280.77	82.36
28 31	23 00-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R).....	647.15	82.36
28 31	23 00-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R).....	792.54	82.36
28 31	23 00-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R).....	1,094.01	82.36
28 31	23 00-0055		Serial Printer (28 31 23 00-0003)		
28 31	23 00-0056	EA	System Printer - Desk Top Style (EST3 PT-1S).....	829.37	20.59
28 31	23 00-0057		Intelligent Analog Initiating Devices (28 31 23 00-0002)		
28 31	23 00-0058		Detectors, Signature (28 31 23 00-0057)		
28 31	23 00-0059	EA	Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS).....	144.47	30.88
28 31	23 00-0060	EA	Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB).....	160.43	30.88
28 31	23 00-0061	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS).....	139.72	30.88
28 31	23 00-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	125.45	30.88
28 31	23 00-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	130.21	30.88
28 31	23 00-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS).....	109.54	30.88
28 31	23 00-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS).....	109.54	30.88
28 31	23 00-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD).....	164.68	30.88
28 31	23 00-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	180.26	30.88
28 31	23 00-0068		Detectors, Duct Housings and Accessories, Signature (28 31 23 00-0057)		
28 31	23 00-0069	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	286.69	51.47
28 31	23 00-0070	EA	Superduct, Test Magnet Kit (EST3 SD-MAG).....	14.43	
28 31	23 00-0071	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120).....	28.19	6.17
28 31	23 00-0072	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	76.42	16.47
28 31	23 00-0073	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	100.56	16.47
28 31	23 00-0074	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	48.90	16.47
28 31	23 00-0075		Detectors, Smoke, Beam (28 31 23 00-0057)		
28 31	23 00-0076	EA	Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	93.95	
28 31	23 00-0077	EA	Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01)..... Note: Includes controller and remote mount transmitter and receiver head.	1,096.64	30.88
28 31	23 00-0078	EA	Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	69.58	10.29
28 31	23 00-0079	EA	Replacement Reflector, For EC-50R/100R Reflective Beam Detectors (EST3 23901-01).....	81.79	10.29
28 31	23 00-0080	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,122.29	30.88
28 31	23 00-0081	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R).....	959.13	30.88
28 31	23 00-0082	EA	Remote Test Station, For EC-50R/100R Reflective Beam Detectors (EST3 EC-LLT).....	224.58	10.29
28 31	23 00-0083	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,182.50	30.88
28 31	23 00-0084		Modules, Signature (28 31 23 00-0057)		
28 31	23 00-0085	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	131.82	20.59
28 31	23 00-0086	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	89.70	20.59
28 31	23 00-0087	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	123.88	20.59
28 31	23 00-0088	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	119.09	20.59
28 31	23 00-0089	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	112.80	20.59
28 31	23 00-0090	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	133.46	20.59
28 31	23 00-0091	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)..... Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).	107.97	20.59
28 31	23 00-0092	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	104.86	20.59
28 31	23 00-0093	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	136.65	20.59
28 31	23 00-0094	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	133.46	20.59
28 31	23 00-0095	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	128.70	20.59
28 31	23 00-0096	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	118.84	98.25
28 31	23 00-0097	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)..... Note: Factory programmed for non-latching monitor operation.	89.70	20.59
28 31	23 00-0098	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	137.27	20.59



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0099				Module Accessories, Signature <small>(28 31 23 00-0057)</small> Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
28 31 23 00-0100	EA			Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	36.56	10.29
28 31 23 00-0101	EA			Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	117.55	20.59
28 31 23 00-0102	EA			Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -MCC2, -UM And -MAB Modules (EST3 235196P)	14.74	6.17
28 31 23 00-0103	EA			Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	42.07	10.29
28 31 23 00-0104	EA			Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	38.11	10.29
28 31 23 00-0105	EA			Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	39.68	10.29
28 31 23 00-0106				Single Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0107	EA			One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	153.98	42.83
28 31 23 00-0108	EA			Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	177.83	42.83
28 31 23 00-0109	EA			GA Key - For Pre Signal Station (EST3 276-K2)	20.34	16.23
28 31 23 00-0110	EA			20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	24.94	20.83
28 31 23 00-0111	EA			Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	43.25	26.77
28 31 23 00-0112				Double Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0113	EA			Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	158.73	42.83
28 31 23 00-0114	EA			12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	25.28	4.12
28 31 23 00-0115				Detector Bases and Accessories, Signature <small>(28 31 23 00-0057)</small> Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 31 23 00-0116	EA			Audible (Sounder) Base (EST3 SIGA-AB4G)	71.85	10.29
28 31 23 00-0117	EA			Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	30.18	10.29
28 31 23 00-0118	EA			Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	88.40	10.29
28 31 23 00-0119	EA			Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	52.46	10.29
28 31 23 00-0120	EA			Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	60.41	10.29
28 31 23 00-0121	EA			Detector Mounting Plate (EST3 SIGA-DMP)	92.21	10.29
				Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 31 23 00-0122	EA			Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	36.56	10.29
28 31 23 00-0123	EA			Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	14.81	6.17
28 31 23 00-0124	EA			Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	14.81	6.17
28 31 23 00-0125	EA			Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	36.28	6.17
28 31 23 00-0126	EA			Detector Base With Isolator (EST3 SIGA-IB).....	59.60	10.29
28 31 23 00-0127	EA			Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	63.01	10.29
28 31 23 00-0128	EA			Detector Base With Form 'C' Relay (EST3 SIGA-RB)	53.66	10.29
28 31 23 00-0129	EA			Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	53.66	10.29
28 31 23 00-0130	EA			Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	31.37	10.29
28 31 23 00-0131				Controllers, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0132	EA			Signature Dual Driver Controller (EST3 3-SDDC1)	1,871.36	61.77
28 31 23 00-0133	EA			Single Signature Loop Controller (EST3 3-SSDC1).....	1,086.72	61.77
28 31 23 00-0134	EA			Signature Loop Controller (EST3 3-SDC1).....	979.62	61.77
28 31 23 00-0135	EA			Analog Addressable Loop Controller (EST3 3-AADC1).....	1,550.34	61.77
28 31 23 00-0136				Relays And Accessories <small>(28 31 23 00-0057)</small>		
28 31 23 00-0137	EA			Multi Voltage Relay (EST3 MR101).....	108.55	20.59
28 31 23 00-0138	EA			Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	34.55	10.29
28 31 23 00-0139				Notification Appliances <small>(28 31 23 00-0002)</small>		
28 31 23 00-0140				Wall Strobes, Horns And Chimes <small>(28 31 23 00-0139)</small>		
28 31 23 00-0141	EA			Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	95.77	30.88
28 31 23 00-0142	EA			Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	95.77	30.88
28 31 23 00-0143	EA			Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	106.84	30.88
28 31 23 00-0144	EA			Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	83.29	30.88
28 31 23 00-0145	EA			Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	83.29	30.88
28 31 23 00-0146	EA			Temporal Horn, Hi/Lo dB Output, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	83.29	30.88
28 31 23 00-0147	EA			Temporal Horn, Hi/Lo dB Output, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	83.29	30.88
28 31 23 00-0148	EA			Horn (Steady Tone), 24 Volt, White, Not Compatible With Signal Master (EST3 G1-P).....	72.81	30.88
28 31 23 00-0149	EA			Horn (Steady Tone) - 24 Volt, Red, Not Compatible With Signal Master (EST3 G1R-P).....	72.81	30.88
28 31 23 00-0150	EA			Horn (Steady Tone), 24 Volt, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	72.81	30.88

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0151	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	152.03	30.88
28 31	23 00-0152	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	152.03	30.88
28 31	23 00-0153	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	105.49	30.88
28 31	23 00-0154	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	105.49	30.88
28 31	23 00-0155	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	95.77	30.88
28 31	23 00-0156	EA	Multi-cd Strobe, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	95.77	30.88
28 31	23 00-0157	EA	Multi-cd Strobe, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	95.77	30.88
28 31	23 00-0158	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	95.77	30.88
28 31	23 00-0159	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	98.88	30.88
28 31	23 00-0160	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	98.88	30.88
28 31	23 00-0161	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	106.16	30.88
28 31	23 00-0162	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	98.88	30.88
28 31	23 00-0163	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	98.88	30.88
28 31	23 00-0164	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	65.99	30.88
28 31	23 00-0165	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	65.99	30.88
28 31	23 00-0166		Wall Speakers And Speaker Strobes (28 31 23 00-0139)		
28 31	23 00-0167	EA	Multi-Wattage 25 Volt Speaker (EST3 G4-S2).....	82.35	30.88
28 31	23 00-0168	EA	Multi-Candela/Wattage 25 Volt Speaker-Strobe (EST3 G4-S2VM).....	117.47	30.88
28 31	23 00-0169	EA	Multi-Wattage 70 Volt Speaker (EST3 G4-S7).....	82.35	30.88
28 31	23 00-0170	EA	Multi-Candela/Wattage 70 Volt Speaker-Strobe (EST3 G4-S7VM).....	117.47	30.88
28 31	23 00-0171	EA	Surface Box, White, For Genesis Speaker (EST3 G4B).....	41.51	16.47
28 31	23 00-0172	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	41.51	16.47
28 31	23 00-0173		Ceiling Speakers And Speaker Strobes (28 31 23 00-0139)		
28 31	23 00-0174	EA	Genesis Ceiling Speaker, 70 Volt, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	95.09	30.88
28 31	23 00-0175	EA	Genesis Ceiling Speaker/Strobe, 70 Volt, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	117.47	30.88
28 31	23 00-0176	EA	Genesis Ceiling Speaker/Strobe, 70 Volt, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	124.56	30.88
28 31	23 00-0177		Harsh Environment Signals (28 31 23 00-0139)		
28 31	23 00-0178	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T).....	86.37	30.88
28 31	23 00-0179	EA	15/75 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	114.32	30.88
28 31	23 00-0180	EA	110 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	114.32	30.88
28 31	23 00-0181	EA	Strobe - 15cd Synchronized, 24 Volt DC (EST3 405-5A-T).....	106.01	30.88
28 31	23 00-0182	EA	Strobe - 15/75cd Synchronized, 24 Volt DC (EST3 405-7A-T).....	100.49	30.88
28 31	23 00-0183	EA	Strobe - 30cd Synchronized, 24 Volt DC (EST3 405-3A-T).....	106.01	30.88
28 31	23 00-0184	EA	Strobe - 60cd Synchronized, 24 Volt DC (EST3 405-6A-T).....	106.01	30.88
28 31	23 00-0185	EA	Strobe - 110cd Synchronized, 24 Volt DC (EST3 405-8A-T).....	106.01	30.88
28 31	23 00-0186	EA	15/75 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-7A-T).....	109.44	30.88
28 31	23 00-0187	EA	110 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-8A-T).....	109.44	30.88
28 31	23 00-0188	EA	15 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	89.77	30.88
28 31	23 00-0189	EA	30 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	111.72	30.88
28 31	23 00-0190		Fire Alarm Bells (28 31 23 00-0139)		
28 31	23 00-0191	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	122.08	30.88
28 31	23 00-0192	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	101.20	30.88
28 31	23 00-0193	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	110.11	30.88
28 31	23 00-0194		Multiple Tone Signal (28 31 23 00-0139)		
28 31	23 00-0195	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	688.16	657.27
28 31	23 00-0196		Multi-Purpose Loudspeaker (28 31 23 00-0139)		
28 31	23 00-0197	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	155.37	30.88
28 31	23 00-0198	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	155.37	30.88
28 31	23 00-0199		Bell/Strobe Plate (28 31 23 00-0139)		
28 31	23 00-0200	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	79.08	16.47
28 31	23 00-0201		Mounting Accessories (28 31 23 00-0139)		
28 31	23 00-0202	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	42.15	16.47
28 31	23 00-0203	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	42.15	16.47
28 31	23 00-0204	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	42.15	16.47
28 31	23 00-0205	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	42.15	16.47
28 31	23 00-0206	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	42.15	16.47
28 31	23 00-0207		Firefighters' Telephones (28 31 23 00-0139)		
28 31	23 00-0208	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	629.84	51.47
28 31	23 00-0209	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	366.40	51.47
28 31	23 00-0210	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	271.53	51.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 31 23 00-0211 EA Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	205.39	51.47
				28 31 23 00-0212 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	354.59	51.47
				28 31 23 00-0213 EA Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	229.00	51.47
				28 31 23 00-0214 EA Remote Telephone Handset Station - 4-State, Red, 'PushTo Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	396.40	51.47
				28 31 23 00-0215 EA Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	236.87	51.47
				28 31 23 00-0216 EA Remote Telephone Handset Station - 4-State, Red, 'PushTo Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	449.94	51.47
				28 31 23 00-0217 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	55.03	16.47
				28 31 23 00-0218 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	61.88	16.47
				28 31 23 00-0219 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	76.36	
				28 31 23 00-0220 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	76.36	
				28 31 23 00-0221 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	123.37	20.59
				28 31 23 00-0222 EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2)	150.63	20.59
				28 31 23 00-0223 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	109.74	20.59
				28 31 23 00-0224 EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	105.73	20.59
				28 31 23 00-0225 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	86.68	30.88
				28 31 23 00-0226 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	643.67	41.18
				28 31 23 00-0227 Mass Notification EC Appliances <small>(28 31 23 00-0139)</small>		
				28 31 23 00-0228 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	98.90	30.88
				28 31 23 00-0229 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	96.07	30.88
				28 31 23 00-0230 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	98.90	30.88
				28 31 23 00-0231 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	96.07	30.88
				28 31 23 00-0232 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	15.74	6.17
				28 31 23 00-0233 Hazardous Location Devices <small>(28 31 23 00-0002)</small>		
				28 31 23 00-0234 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location <small>(28 31 23 00-0233)</small>		
				28 31 23 00-0235 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	89.88	30.88
				28 31 23 00-0236 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	89.88	30.88
				28 31 23 00-0237 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	92.23	30.88
				28 31 23 00-0238 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	92.23	30.88
				28 31 23 00-0239 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	120.36	30.88
				28 31 23 00-0240 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	120.36	30.88
				28 31 23 00-0241 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	92.23	30.88
				28 31 23 00-0242 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	92.23	30.88
				28 31 23 00-0243 Hazardous Locations Fire Alarm Station <small>(28 31 23 00-0233)</small>		
				28 31 23 00-0244 EA Hazardous Location Fire Alarm Station (EST3 XAL53)	665.56	51.47
				28 31 23 00-0245 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	634.99	51.47
				28 31 23 00-0246 Hazardous Location Strobes <small>(28 31 23 00-0233)</small>		
				28 31 23 00-0247 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ)	963.77	30.88
				28 31 23 00-0248 EA Wall Bracket Mounting Elbow (EST3 116EX-B).....	182.40	10.29
				28 31 23 00-0249 EA Ceiling / Wall Mounting Module (EST3 116EX-C).....	238.01	12.36
				28 31 23 00-0250 EA Pendant Mounting Module (EST3 116EX-P)	176.49	12.36
				28 31 23 00-0251 Hazardous Location Bells <small>(28 31 23 00-0233)</small>		
				28 31 23 00-0252 EA 6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	700.27	30.88
				28 31 23 00-0253 EA 8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	717.97	30.88
				28 31 23 00-0254 EA 10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	724.34	30.88
				28 31 23 00-0255 Hazardous Location Horns <small>(28 31 23 00-0233)</small>		
				28 31 23 00-0256 EA Hazardous Location Horns (EST3 888D-N5).....	685.03	30.88
				28 31 23 00-0257 EA Explosionproof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	562.58	30.88
				28 31 23 00-0258 Door Holders And Relays <small>(28 31 23 00-0002)</small>		
				28 31 23 00-0259 Electromagnetic Door Holders <small>(28 31 23 00-0258)</small>		
				28 31 23 00-0260 EA Door Holder, Single, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1501-AQN5).....	136.66	30.88
				28 31 23 00-0261 EA Door Holder, Double, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1502-AQN5)	172.17	30.88
				28 31 23 00-0262 EA Door Holder, Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1504-AQN5)	118.52	30.88
				28 31 23 00-0263 EA Door Holder, Flush, Wall Mount, Short Catch Plate - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1505-AQN5)	118.52	30.88
				28 31 23 00-0264 EA Door Holder, Surface, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1508-AQN5)	120.16	30.88
				28 31 23 00-0265 EA Door Holder, Completely Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1509-AQN5)	121.73	30.88

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0266 Control Relays, Multi-Voltage <small>(28 31 23 00-0258)</small>		
28 31 23 00-0267 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	27.60	6.17
28 31 23 00-0268 FireShield Plus <small>(28 31 23 00-0002)</small>		
28 31 23 00-0269 3 Zone System <small>(28 31 23 00-0268)</small>		
28 31 23 00-0270 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP302R).....	784.28	247.09
28 31 23 00-0271 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,125.89	329.45
28 31 23 00-0272 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP302G).....	784.28	247.09
28 31 23 00-0273 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,125.89	329.45
28 31 23 00-0274 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	51.19	10.29
28 31 23 00-0275 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	51.19	10.29
28 31 23 00-0276 5 Zone System <small>(28 31 23 00-0268)</small>		
28 31 23 00-0277 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP502R).....	833.81	247.09
28 31 23 00-0278 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP502RD).....	1,172.59	329.45
28 31 23 00-0279 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries (EST3 FSP502G).....	833.81	247.09
28 31 23 00-0280 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Ah Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,172.59	329.45
28 31 23 00-0281 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	51.19	10.29
28 31 23 00-0282 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	51.19	10.29
28 31 23 00-0283 10 Zone System <small>(28 31 23 00-0268)</small>		
28 31 23 00-0284 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries (EST3 FSP1004R).....	1,189.57	329.45
28 31 23 00-0285 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	1,531.19	411.81
28 31 23 00-0286 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries (EST3 FSP1004G).....	1,168.34	329.45
28 31 23 00-0287 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Ah Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	1,531.19	411.81
28 31 23 00-0288 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	58.85	10.29
28 31 23 00-0289 EA NAC Power Expansion Transformer, 120 Volt, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	108.56	20.59
28 31 23 00-0290 FireShield Plus Off Premise Communication Options <small>(28 31 23 00-0268)</small>		
28 31 23 00-0291 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	225.15	20.59
28 31 23 00-0292 FireShield Plus Remote LED Annunciators <small>(28 31 23 00-0268)</small>		
28 31 23 00-0293 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	107.69	30.88
28 31 23 00-0294 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	107.69	30.88
28 31 23 00-0295 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	111.30	30.88
28 31 23 00-0296 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	21.56	6.17
28 31 23 00-0297 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	26.18	6.17
28 31 23 00-0298 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	37.28	6.17
28 31 23 00-0299 FireShield Plus Remote 10 Zone LED Annunciators <small>(28 31 23 00-0268)</small>		
28 31 23 00-0300 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	302.34	30.88
28 31 23 00-0301 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	330.64	30.88
28 31 23 00-0302 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Gray (EST3 RA-ENC1).....	111.94	20.59
28 31 23 00-0303 FireShield Plus Remote Relays And Interfaces <small>(28 31 23 00-0268)</small>		
28 31 23 00-0304 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	117.71	20.59
28 31 23 00-0305 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	50.78	12.36
28 31 23 00-0306 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	181.28	20.59
28 31 23 00-0307 FireShield Plus Accessories <small>(28 31 23 00-0268)</small>		
28 31 23 00-0308 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	11.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0309 EA 4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7).....	7.71	
28 31 23 00-0310 iO Series Fire Control Panels (28 31 23 00-0002)		
28 31 23 00-0311 Intelligent Analog Control Panels (28 31 23 00-0310)		
28 31 23 00-0312 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	2,394.43	411.81
28 31 23 00-0313 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,531.69	411.81
28 31 23 00-0314 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G)	1,912.14	329.45
28 31 23 00-0315 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	1,975.82	329.45
28 31 23 00-0316 Option Modules And Accessories For iO Series (28 31 23 00-0310)		
28 31 23 00-0317 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	203.28	30.88
28 31 23 00-0318 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	132.53	30.88
28 31 23 00-0319 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	132.53	30.88
28 31 23 00-0320 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	111.94	20.59
28 31 23 00-0321 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	216.92	16.47
28 31 23 00-0322 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	386.73	16.47
28 31 23 00-0323 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	50.31	10.29
28 31 23 00-0324 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	57.38	10.29
28 31 23 00-0325 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	719.17	41.18
28 31 23 00-0326 Remote Annunciators For iO Series (28 31 23 00-0310)		
28 31 23 00-0327 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	397.86	30.88
28 31 23 00-0328 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	415.55	30.88
28 31 23 00-0329 Remote Annunciator Accessories (28 31 23 00-0310)		
28 31 23 00-0330 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	48.89	10.29
28 31 23 00-0331 EA 12 Expander Cable (Cable Only) (EST3 7120313-01).....	34.74	10.29
28 31 23 00-0332 EA 24 Expander Cable (Cable Only) (EST3 7120313-02).....	45.35	10.29
28 31 23 00-0333 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC1).....	132.53	30.88
28 31 23 00-0334 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC2).....	150.21	30.88
28 31 23 00-0335 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC3).....	167.90	30.88
28 31 23 00-0336 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	34.74	10.29
28 31 23 00-0337 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	34.74	10.29
28 31 23 00-0338 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	65.66	10.29
28 31 23 00-0339 System Accessories (28 31 23 00-0310)		
28 31 23 00-0340 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Ah Batteries, Will Hold Up To Two 12 Volt, 24 Amp Batteries (EST3 BC-1).....	317.70	82.36
28 31 23 00-0341 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,141.74	329.45
28 31 23 00-0342 Conventional Initiating Devices (28 31 23 00-0002)		
28 31 23 00-0343 Detectors, Heat, Double Pole (28 31 23 00-0342)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 31 23 00-0344 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	99.90	30.88
28 31 23 00-0345 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	99.90	30.88
28 31 23 00-0346 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	99.90	30.88
28 31 23 00-0347 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	99.90	30.88
28 31 23 00-0348 Detectors, Rate Compensation Heat, Accessories (28 31 23 00-0342)		
28 31 23 00-0349 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	67.11	30.88
28 31 23 00-0350 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	148.62	16.47
28 31 23 00-0351 EA 4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	54.97	20.59
28 31 23 00-0352 Detectors, Heat, Fire-Lite (28 31 23 00-0342)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0353 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	94.49	30.88
28 31 23 00-0354 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	94.49	30.88
28 31 23 00-0355 Audio Notification Systems (Standalone Voice Evacuation) (28 31 23 00-0002)		
28 31 23 00-0356 Audio Notification Panels (28 31 23 00-0355)		
28 31 23 00-0357 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	2,925.09	411.81
28 31 23 00-0358 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	2,925.09	411.81
28 31 23 00-0359 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,238.75	411.81
28 31 23 00-0360 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,238.75	411.81
28 31 23 00-0361 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,578.39	411.81
28 31 23 00-0362 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	2,578.39	411.81
28 31 23 00-0363 Audio Notification Expander Panels (28 31 23 00-0355)		
28 31 23 00-0364 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,295.36	411.81
28 31 23 00-0365 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,295.36	411.81
28 31 23 00-0366 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,630.25	411.81
28 31 23 00-0367 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,630.25	411.81
28 31 23 00-0368 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,019.41	411.81
28 31 23 00-0369 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	2,019.41	411.81
28 31 23 00-0370 Audio Notification Output Accessories (28 31 23 00-0355)		
28 31 23 00-0371 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	84.27	10.29
28 31 23 00-0372 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	359.58	20.59
28 31 23 00-0373 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	359.58	20.59
28 31 23 00-0374 EA Class A Converter (GE ANSZSC4A)	260.52	20.59
28 31 23 00-0375 Audio Notification Remote Microphone (28 31 23 00-0355)		
28 31 23 00-0376 EA Microphone (GE ANSMIKE)	104.86	20.59
28 31 23 00-0377 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	394.96	20.59
28 31 23 00-0378 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	394.96	20.59
28 31 23 00-0379 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	91.35	10.29
28 31 23 00-0380 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	52.42	10.29
28 31 23 00-0381 Audio Notification Accessories (28 31 23 00-0355)		
28 31 23 00-0382 EA Audio Matching - Line Input/Output Card (GE ANSAUX)	168.54	20.59
28 31 23 00-0383 EA Class B Backup Amplifier Switching Module (GE ANSBKUP)	168.54	20.59
28 31 23 00-0384 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA)	168.54	20.59
28 31 23 00-0385 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSI8)	359.58	20.59
28 31 23 00-0386 Audio Notification Modules, Without Cabinet And Transformer (28 31 23 00-0355)		
28 31 23 00-0387 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	1,292.29	41.18
Note: Excludes cabinet.		
28 31 23 00-0388 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)	1,355.97	41.18
Note: Excludes cabinet.		
28 31 23 00-0389 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	1,865.42	41.18
Note: Excludes cabinet.		
28 31 23 00-0390 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	719.17	41.18
Note: Excludes cabinet.		
28 31 23 00-0391 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	719.17	41.18
Note: Excludes cabinet.		
28 31 23 00-0392 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,292.29	41.18
28 31 23 00-0393 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A)	1,037.57	41.18
Note: Excludes cabinet.		



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0394	EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	1,101.25	41.18
28 31 23 00-0395	EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)..... Note: Excludes cabinet.	1,610.70	41.18
28 31 23 00-0396	EA Power Transformer, Open Frame, 28 Volt AC @ 180 VA (EVAX 50/100) (GE ANST28180).....	84.27	10.29
28 31 23 00-0397	EA Power Transformer, Open Frame, 28 Volt AC @ 100 VA (EVAX 25) (GE ANST2885).....	63.78	10.29
28 31 23 00-0398	Gamewell-FCI Fire Control Instruments (28 31 23)		
28 31 23 00-0399	7100 Series And NetSOLO® (28 31 23 00-0398)		
28 31 23 00-0400	7100 Compact Analog Addressable Fire Alarm Control Panels (28 31 23 00-0399)		
28 31 23 00-0401	EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	686.71	246.68
28 31 23 00-0402	EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	2,830.04	411.13
28 31 23 00-0403	EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	3,055.10	411.13
28 31 23 00-0404	EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	2,830.04	411.13
28 31 23 00-0405	EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	3,055.10	411.13
28 31 23 00-0406	EA Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	775.64	41.11
28 31 23 00-0407	EA Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	926.21	41.11
28 31 23 00-0408	EA Analog Loop Unit (Gamewell-FCI ALU).....	926.21	41.11
28 31 23 00-0409	NetSOLO® Intelligent Network (28 31 23 00-0399)		
28 31 23 00-0410	EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)..... Note: Mounted in 7100 panel.	1,025.27	41.11
28 31 23 00-0411	EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)..... Note: Mounted in 7100 panel.	818.43	41.11
28 31 23 00-0412	Components And Accessories (28 31 23 00-0399)		
28 31 23 00-0413	EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	510.21	30.83
28 31 23 00-0414	EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM- 7100).....	396.05	41.11
28 31 23 00-0415	EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	710.66	41.11
28 31 23 00-0416	EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	297.78	41.11
28 31 23 00-0417	EA Replacement Enclosure Box (Gamewell-FCI EN-7100).....	265.09	82.23
28 31 23 00-0418	EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	732.14	20.56
28 31 23 00-0419	E3 Series® Basic System (28 31 23 00-0398)		
28 31 23 00-0420	EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	703.70	41.11
28 31 23 00-0421	EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	610.48	41.11
28 31 23 00-0422	EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3).....	703.70	41.11
28 31 23 00-0423	EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	610.48	41.11
28 31 23 00-0424	EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	442.16	41.11
28 31 23 00-0425	EA Power Supply Module (Gamewell-FCI PM-9).....	573.48	41.11
28 31 23 00-0426	EA Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX).....	485.54	41.11
28 31 23 00-0427	EA Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A).....	512.08	41.11
28 31 23 00-0428	EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	284.20	41.11
28 31 23 00-0429	EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	729.60	41.11
28 31 23 00-0430	EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	614.36	41.11
28 31 23 00-0431	EA Local Operating Console (Gamewell-FCI 1100-0455).....	411.92	30.83
28 31 23 00-0432	EA Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,296.17	30.83
28 31 23 00-0433	EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	527.73	41.11
28 31 23 00-0434	EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	1,569.48	41.11
28 31 23 00-0435	EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	396.20	82.23
28 31 23 00-0436	EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	301.70	82.23
28 31 23 00-0437	EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	67.36	20.56
28 31 23 00-0438	EA Programmable Switch Module (Gamewell-FCI ASM-16).....	375.48	41.11
28 31 23 00-0439	EA LED Driver module (Gamewell-FCI ANU-48).....	375.48	41.11
28 31 23 00-0440	EA Network Graphic Annunciator (Gamewell-FCI NGA).....	1,088.38	30.83
28 31 23 00-0441	Addressable Devices, Module, Pulls And Accessories (28 31 23 00-0398)		
28 31 23 00-0442	Velociti® Series Sensors And Bases (28 31 23 00-0441)		
28 31 23 00-0443	EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	126.65	30.83
28 31 23 00-0444	EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	129.03	30.83
28 31 23 00-0445	EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	136.16	30.83
28 31 23 00-0446	EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	107.63	30.83
28 31 23 00-0447	EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	111.60	30.83
28 31 23 00-0448	EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	107.63	30.83
28 31 23 00-0449	EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	152.80	30.83
28 31 23 00-0450	EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	319.22	30.83
28 31 23 00-0451	EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF).....	281.09	51.39
28 31 23 00-0452	EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	312.78	51.39
28 31 23 00-0453	EA Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB).....	163.80	51.39
28 31 23 00-0454	EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	33.24	10.27

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0455	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	343.00	30.83
28 31	23 00-0456	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXP).....	70.09	10.27
28 31	23 00-0457	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,193.17	61.67
28 31	23 00-0458		Velociti® Series Modules And Pull Station (28 31 23 00-0441)		
28 31	23 00-0459	EA	Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	91.43	20.56
28 31	23 00-0460	EA	Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	141.75	20.56
28 31	23 00-0461	EA	Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F).....	99.36	20.56
28 31	23 00-0462	EA	Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	136.21	20.56
28 31	23 00-0463	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	115.21	20.56
28 31	23 00-0464	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	119.17	20.56
28 31	23 00-0465	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	172.18	41.11
28 31	23 00-0466	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	163.85	41.11
28 31	23 00-0467	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	20.11	4.11
28 31	23 00-0468		Components And Accessories (28 31 23 00-0441)		
28 31	23 00-0469	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	52.70	16.45
			Note: Mounts on single gang box.		
28 31	23 00-0470	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	51.02	20.56
28 31	23 00-0471	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	52.60	20.56
28 31	23 00-0472	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	54.19	20.56
28 31	23 00-0473	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	68.85	20.56
28 31	23 00-0474	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	77.27	16.45
			Note: Mounts on single gang box.		
28 31	23 00-0475		Fixed And Rate of Rise Heat Detectors (28 31 23 00-0441)		
28 31	23 00-0476	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	75.14	30.83
28 31	23 00-0477	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	75.14	30.83
28 31	23 00-0478	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603).....	75.14	30.83
28 31	23 00-0479	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604).....	75.14	30.83
28 31	23 00-0480		NAC Expander/Power Supply (28 31 23 00-0441)		
28 31	23 00-0481	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,228.38	328.90
28 31	23 00-0482	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,077.81	328.90
28 31	23 00-0483	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,153.09	328.90
28 31	23 00-0484		Batteries And Accessories (28 31 23 00-0398)		
28 31	23 00-0485	EA	B-17R, 12 Volt, 17AH Sealed Lead Acid Battery (Gamewell-FCI 100-2010A).....	177.41	20.56
28 31	23 00-0486	EA	B-55R, 12 Volt, 55AH Sealed Lead Acid Battery (Gamewell-FCI 100-2710A).....	435.76	20.56
28 31	23 00-0487	EA	B-7R, 12 Volt, 7AH Sealed Lead Acid Battery (Gamewell-FCI 100-2311A).....	98.17	20.56
28 31	23 00-0488	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	307.89	82.23
28 31	23 00-0489	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	307.89	82.23
28 31	23 00-0490	EA	12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	284.91	82.23
28 31	23 00-0491		Electronic Door Holders (28 31 23 00-0398)		
			Note: Rixson products.		
28 31	23 00-0492	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	31.52	4.11
28 31	23 00-0493	EA	FM-980, Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90000)	251.86	30.83
28 31	23 00-0494	EA	FM-981, Floor Mount Holder For Double Doors, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90001)	338.24	30.83
28 31	23 00-0495	EA	FM-990, Low Profile Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90002)	165.80	30.83
28 31	23 00-0496	EA	FM-996, Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90003)	158.67	30.83
28 31	23 00-0497	EA	FM-997 Recessed Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90004).....	165.80	30.83
28 31	23 00-0498	EA	FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90005)	165.48	30.83
28 31	23 00-0499		SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 31 23 00-0398)		
28 31	23 00-0500	EA	2 Wire Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2R)	121.11	30.83
28 31	23 00-0501	EA	2 Wire Horn/Strobe, 12/24 Volt, White, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2W).....	121.11	30.83
28 31	23 00-0502	EA	2 Wire Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK).....	142.50	30.83
28 31	23 00-0503	EA	Replacement Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK-R)	110.85	20.56
28 31	23 00-0504		SpectrAlert® Advance Accessories (28 31 23 00-0398)		
28 31	23 00-0505	EA	Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBS-2)	20.66	6.16
28 31	23 00-0506	EA	White Wall Surface Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSW-2)	20.66	6.16
28 31	23 00-0507	EA	Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSC-2).....	24.23	6.16
28 31	23 00-0508	EA	White, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSCW-2).....	24.23	6.16
28 31	23 00-0509	EA	Weatherproof, Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBB)	30.17	6.16
28 31	23 00-0510	EA	Weatherproof, Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBBC)	30.17	6.16



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0511				Fire Alarm Programming <small>(28 31 23 00-0398)</small> Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 31 23 00-0512	EA			Program And Test Up To 5 Fire Alarm Devices	500.00	
28 31 23 00-0513	EA			Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 31 23 00-0514	EA			Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 31 23 00-0515				Simplex Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-0516				4100 Fire Alarm Control Panel <small>(28 31 23 00-0515)</small>		
28 31 23 00-0517	EA			4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	3,790.32	411.13
28 31 23 00-0518	EA			4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt Input (Simplex 4100-9141)	4,097.71	411.13
28 31 23 00-0519	EA			4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	5,707.65	411.13
28 31 23 00-0520	EA			IDNet Module, Up To 127 Points (Simplex 4100-3104)	2,582.36	411.13
28 31 23 00-0521	EA			IDNet Module, Up To 64 Points (Simplex 4100-3105)	2,113.58	411.13
28 31 23 00-0522	EA			Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	1,125.50	102.78
28 31 23 00-0523	EA			Alarm Relay, 3 Form C Relays, 2 Amp @ 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)	234.95	20.56
28 31 23 00-0524	EA			Dual Port RS-232 Interface Card (Simplex 4100-6038)	654.41	20.56
28 31 23 00-0525				4100U Backbox <small>(28 31 23 00-0515)</small>		
28 31 23 00-0526	EA			2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	1,159.06	82.23
28 31 23 00-0527	EA			3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	1,615.12	82.23
28 31 23 00-0528				DACT (Digital Alarm Communicator Transmitter) <small>(28 31 23 00-0515)</small>		
28 31 23 00-0529	EA			6 Zone Fire Control Communicator (Silent Knight SK-5104)	632.61	41.11
28 31 23 00-0530				4010 Fire Alarm Control Panel <small>(28 31 23 00-0515)</small>		
28 31 23 00-0531	EA			120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,601.77	411.13
28 31 23 00-0532	EA			240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Sply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	3,632.84	411.13
28 31 23 00-0533	EA			Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	131.66	20.56
28 31 23 00-0534	EA			Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	543.52	20.56
28 31 23 00-0535	EA			Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	744.13	20.56
28 31 23 00-0536	EA			120 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	386.41	20.56
28 31 23 00-0537	EA			240 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	417.47	20.56
28 31 23 00-0538	EA			Battery Meter Module Expansion Module (Simplex 4010-9820)	161.83	20.56
28 31 23 00-0539				Printer <small>(28 31 23 00-0515)</small>		
28 31 23 00-0540	EA			24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,121.25	20.56
28 31 23 00-0541				NAC Panel / Power Booster <small>(28 31 23 00-0515)</small>		
28 31 23 00-0542	EA			IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 Volt AC (Simplex 4009-9201)	770.35	102.78
28 31 23 00-0543				Battery <small>(28 31 23 00-0515)</small>		
28 31 23 00-0544	EA			50Ah Sealed Lead Acid Battery (Simplex 2081-9296)	459.61	20.56
28 31 23 00-0545	EA			33Ah Sealed Lead Acid Battery (Simplex 2081-9276)	308.80	20.56
28 31 23 00-0546	EA			6.2Ah Sealed Lead Acid Battery (Simplex 2081-9272)	117.78	20.56
28 31 23 00-0547				Interface Modules <small>(28 31 23 00-0515)</small>		
28 31 23 00-0548	EA			Supervised Individual Addressable Modules (Simplex 4090-9001)	97.05	20.56

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0549	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	190.14	20.56
28 31	23 00-0550	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	53.19	20.56
28 31	23 00-0551	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	98.08	20.56
28 31	23 00-0552	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	44.21	10.27
28 31	23 00-0553	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	42.24	10.27
28 31	23 00-0554		Pull Stations (28 31 23 00-0515)		
28 31	23 00-0555	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	158.14	41.11
28 31	23 00-0556	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	127.57	41.11
28 31	23 00-0557	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	133.47	41.11
28 31	23 00-0558	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	124.90	41.11
28 31	23 00-0559	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	137.42	41.11
28 31	23 00-0560	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	182.40	41.11
28 31	23 00-0561	EA	Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	161.07	41.11
28 31	23 00-0562	EA	Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	180.78	41.11
28 31	23 00-0563	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	111.14	41.11
28 31	23 00-0564	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	114.75	41.11
28 31	23 00-0565	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	126.37	41.11
28 31	23 00-0566	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	168.58	41.11
28 31	23 00-0567	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	254.93	41.11
28 31	23 00-0568	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	117.71	41.11
28 31	23 00-0569	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	46.19	10.27
28 31	23 00-0570		Weatherproof Pull Stations (28 31 23 00-0515)		
28 31	23 00-0571	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	149.26	41.11
28 31	23 00-0572	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	72.38	10.27
28 31	23 00-0573		Heat / Smoke Sensor (28 31 23 00-0515)		
28 31	23 00-0574	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	119.73	30.83
28 31	23 00-0575	EA	Photoelectric Smoke Sensor (Simplex 4098-9714).....	168.12	30.83
28 31	23 00-0576	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	305.35	10.27
28 31	23 00-0577	EA	Standard Sensor Base (Simplex 4098-9792).....	157.43	10.27
28 31	23 00-0578	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	97.41	20.56
			Note: Relay for 4098-9791		
28 31	23 00-0579		Explosion Proof Heat Detector (28 31 23 00-0515)		
28 31	23 00-0580	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	125.92	30.83
28 31	23 00-0581	EA	Explosion Proof Backbox (Killark JLX-21).....	77.73	10.27
28 31	23 00-0582	EA	Explosion Proof Backbox Plugs (Killark CUP-2)	7.60	2.05
28 31	23 00-0583		Weatherproof Heat Detector (28 31 23 00-0515)		
28 31	23 00-0584	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	94.83	30.83
28 31	23 00-0585		200 Degree F Heat Detector (28 31 23 00-0515)		
28 31	23 00-0586	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.	80.93	30.83
28 31	23 00-0587		Duct Smoke Sensor (28 31 23 00-0515)		
28 31	23 00-0588	EA	Duct Sensor Housing (Simplex 4098-9755).....	250.53	16.45
28 31	23 00-0589	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)..... Note: Relay output for AHU shutdown.	344.53	37.00
28 31	23 00-0590	EA	Duct Sampling Tube (Simplex 2098-9798)	32.90	6.16
			Note: 25", 49", 73" or 97" sampling tube length.		
28 31	23 00-0591	EA	Remote Duct Test Station With Keyswitch And Red LED Status Indicator (Simplex 2098-9806).....	100.70	30.83
28 31	23 00-0592		Interior Horn (28 31 23 00-0515)		
28 31	23 00-0593	EA	Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	94.23	30.83
28 31	23 00-0594	EA	White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	94.23	30.83
28 31	23 00-0595		Interior Horn Strobe (28 31 23 00-0515)		
28 31	23 00-0596	EA	Wall Mounted Horn Strobe, Multi-Candela, Red (Wheelock HS4-24MCW-FR)	124.98	30.83
28 31	23 00-0597	EA	Surface Backbox For HS4 Series (Wheelock DBB-R)	29.05	10.27
28 31	23 00-0598	EA	Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	124.98	30.83
28 31	23 00-0599	EA	Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	124.98	30.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0600 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	117.96	30.83
28 31 23 00-0601 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	117.96	30.83
28 31 23 00-0602 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	117.96	30.83
28 31 23 00-0603 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	117.96	30.83
28 31 23 00-0604 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	120.31	30.83
28 31 23 00-0605 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	120.31	30.83
28 31 23 00-0606 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	124.45	30.83
28 31 23 00-0607 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	122.54	30.83
28 31 23 00-0608 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	124.45	30.83
28 31 23 00-0609 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	122.54	30.83
28 31 23 00-0610 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	117.96	30.83
28 31 23 00-0611 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	117.96	30.83
28 31 23 00-0612 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	117.96	30.83
28 31 23 00-0613 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	117.96	30.83
28 31 23 00-0614 Weatherproof Horn Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0615 EA Wall Mounted Weatherproof Horn Strobe, 4 Wire, Multi-Candela, Red (Wheelock MTWP-2475W-FR)	132.35	30.83
28 31 23 00-0616 EA Weatherproof Surface Backbox For MTWP Series (Wheelock IOB-R)	32.97	10.27
28 31 23 00-0617 Interior Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0618 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	103.06	30.83
28 31 23 00-0619 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	103.06	30.83
28 31 23 00-0620 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	103.03	30.83
28 31 23 00-0621 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	103.06	30.83
28 31 23 00-0622 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	111.97	30.83
28 31 23 00-0623 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	111.97	30.83
28 31 23 00-0624 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	112.54	30.83
28 31 23 00-0625 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	114.10	30.83
28 31 23 00-0626 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	114.10	30.83
28 31 23 00-0627 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	114.10	30.83
28 31 23 00-0628 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	103.06	30.83
28 31 23 00-0629 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	103.06	30.83
28 31 23 00-0630 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	103.06	30.83
28 31 23 00-0631 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	103.06	30.83
28 31 23 00-0632 EA Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSS-24MCW-FR)	92.75	30.83
28 31 23 00-0633 EA Surface Backbox For RSS Series (Wheelock SHBB-R)	31.53	10.27
28 31 23 00-0634 Weatherproof Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0635 EA Weatherproof Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSSWP-2475W-FR)	115.68	30.83
28 31 23 00-0636 EA Weatherproof Surface Backbox For RSSWP Series (Wheelock WPSBB-R)	35.42	10.27
28 31 23 00-0637 Interior Speakers <small>(28 31 23 00-0515)</small>		
28 31 23 00-0638 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	86.69	30.83
28 31 23 00-0639 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	86.69	30.83
28 31 23 00-0640 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	86.69	30.83
28 31 23 00-0641 Interior Speaker Strobe <small>(28 31 23 00-0515)</small>		
28 31 23 00-0642 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	131.92	30.83

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0643 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	131.92	30.83
28 31 23 00-0644 Surge Suppressors (28 31 23 00-0515)		
28 31 23 00-0645 EA Overvoltage Suppressor (Simplex 2081-9044)	78.69	6.16
28 31 23 00-0646 EA Isolated Loop Circuit Protector (Simplex 2081-9028).....	51.39	6.16
28 31 23 00-0647 EA 120 Volt, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	165.17	6.16
28 31 23 00-0648 EA 24 Volt Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B).....	58.42	6.16
28 31 23 00-0649 EA Mounting Base For Two DTK-2MHL (Ditek DTK-2MB)	88.49	10.27
28 31 23 00-0650 EA 120 Volt, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	62.99	6.16
28 31 23 00-0651 EA <105 Volt, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MR31SCWP).....	47.98	6.16
28 31 23 00-0652 Boxes And Adapters (28 31 23 00-0515)		
28 31 23 00-0653 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	42.24	10.27
28 31 23 00-0654 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	40.27	10.27
28 31 23 00-0655 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	36.40	10.27
28 31 23 00-0656 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	30.92	10.27
28 31 23 00-0657 Accessories (28 31 23 00-0515)		
28 31 23 00-0658 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	22.85	10.27
28 31 23 00-0659 Covers (28 31 23 00-0515)		
28 31 23 00-0660 EA Pull Station Polycarbonate Cover, Semi Flush (STI-1200)	92.05	20.56
28 31 23 00-0661 EA Pull Station Polycarbonate Cover With Spacer (STI-1230).....	100.55	20.56
Note: For surface mounted pull stations.		
28 31 23 00-0662 EA Horn Strobe Polycarbonate Cover With Spacer (STI-1210D).....	100.55	20.56
Note: For surface mounted horn strobes.		
28 31 23 00-0663 EA Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E).....	92.05	20.56
28 31 23 00-0664 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	100.55	20.56
Note: For surface mounted strobe.		
28 31 23 00-0665 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	92.05	20.56
28 31 23 00-0666 EA Gasket Kit For STI Covers (STI SUB-121).....	29.32	
28 31 23 00-0667 Siemens Fire Alarm (28 31 23)		
28 31 23 00-0668 Conventional Control Panels (28 31 23 00-0667)		
28 31 23 00-0669 SXL Batteries And Power Supplies (28 31 23 00-0668)		
28 31 23 00-0670 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	659.60	41.11
28 31 23 00-0671 EA Main Board Only For PAD-3 (Siemens PAD-3-MB).....	535.07	41.11
28 31 23 00-0672 Digital Fire Communicators (28 31 23 00-0668)		
28 31 23 00-0673 EA Four Channel Digital Slave Fire Communicator (Siemens 5129).....	518.65	41.11
28 31 23 00-0674 Addressable Control Panels (28 31 23 00-0667)		
28 31 23 00-0675 Fireseeker Equipment (28 31 23 00-0674)		
28 31 23 00-0676 FS-250 System Panels (28 31 23 00-0675)		
28 31 23 00-0677 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	1,736.99	411.13
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 31 23 00-0678 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	2,117.37	411.13
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0679 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,303.10	328.90
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0680 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,739.25	411.13
28 31 23 00-0681 FS-250 Optional Modules (28 31 23 00-0675)		
28 31 23 00-0682 EA Main Board Module (Siemens FS-MB2)	664.13	41.11
28 31 23 00-0683 EA Display Board Module (Siemens FS-DB2).....	512.06	20.56
28 31 23 00-0684 EA Device Loop Card (Siemens FS-DLC).....	421.50	20.56
28 31 23 00-0685 EA Releasing Module (Siemens FS-REL)	192.81	20.56
28 31 23 00-0686 EA Remote LCD Annunciator (Siemens FS-RD2).....	418.67	20.56
28 31 23 00-0687 EA Relay Processor Card (Siemens FS-RU2).....	364.89	20.56
28 31 23 00-0688 EA Relay Expander Board (Siemens FS-RE8).....	312.81	20.56
28 31 23 00-0689 EA Serial Annunciator Processor Card (Siemens FS-SAU2)	418.67	20.56
28 31 23 00-0690 EA 16 Output Annunciator Extender (Siemens FS-SAE16).....	328.66	20.56
28 31 23 00-0691 EA Digital Alarm Communication Transmitter (Siemens FS-DACT).....	299.79	20.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0692 EA Municipal Tie Module (Siemens FS-MT).....	256.21	20.56
28 31 23 00-0693 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	244.69	
28 31 23 00-0694 EA Programming Cable Kit (Siemens CBL-UD)	64.15	10.27
28 31 23 00-0695 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	116.39	20.56
28 31 23 00-0696 EA Releasing Power Transformer (Siemens FS-RPT-A)	118.09	20.56
28 31 23 00-0697 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	130.25	16.45
28 31 23 00-0698 EA Cabinet Trim Kit (Siemens RD-CAB-TK)	203.96	10.27
28 31 23 00-0699 Firefinder Systems (28 31 23 00-0674)		
28 31 23 00-0700 XLS Basic Fire System Packages Without Backbox (28 31 23 00-0699)		
28 31 23 00-0701 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	5,806.67	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0702 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	5,160.24	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0703 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	5,160.24	411.13
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0704 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	8,373.14	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 31 23 00-0705 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	8,641.44	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 31 23 00-0706 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	5,095.14	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0707 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	5,095.14	411.13
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0708 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	5,851.38	411.13
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0709 Firefinder - XLS Basic System Equipment (28 31 23 00-0699)		
28 31 23 00-0710 EA Person Machine Interface With Central Processor (Siemens PMI).....	2,708.89	411.13
Note: Includes inner door.		
28 31 23 00-0711 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	4,379.31	411.13
Note: Includes inner door.		
28 31 23 00-0712 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	2,708.89	411.13
Note: Includes inner door.		
28 31 23 00-0713 EA Two Slot Card Cage (Siemens CC-2).....	321.87	20.56
28 31 23 00-0714 EA Five Slot Card Cage (Siemens CC-5).....	537.54	20.56
28 31 23 00-0715 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	763.96	20.56
28 31 23 00-0716 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	797.35	20.56
28 31 23 00-0717 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	258.47	20.56
28 31 23 00-0718 EA Device Loop Card (Siemens DLC).....	903.77	20.56
Note: Interfaces with up to 252 detectors and devices.		
28 31 23 00-0719 EA Controllable Relay Card (Siemens CRC-6).....	516.03	20.56
Note: Provides six programmable relays.		
28 31 23 00-0720 EA 12 Amp Power Supply Charger Module (Siemens PSC-12).....	1,927.75	20.56
28 31 23 00-0721 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	3,464.01	411.13
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 31 23 00-0722 EA Network Interface Card (Siemens NIC-C).....	602.07	20.56
Note: Provides HNET Or XNET communication between enclosures.		
28 31 23 00-0723 EA 12 Amp Power Supply Extender (Siemens PSX-12).....	1,605.11	20.56
Note: Extends PSC-12 with an additional 24 Vdc.		
28 31 23 00-0724 EA Power Termination Board (Siemens PTB).....	278.85	20.56
Note: Used with systems requiring more than one PSX-12.		
28 31 23 00-0725 EA Conventional Detector Card (Siemens CDC-4).....	580.56	20.56
28 31 23 00-0726 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,127.93	20.56
28 31 23 00-0727 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	4,030.63	20.56
28 31 23 00-0728 Remote Lobby Enclosure (28 31 23 00-0699)		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0729 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	779.75	82.23
Note: Flush mounted. Includes clear lens plate on cover.		
28 31 23 00-0730 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	994.85	82.23
Note: Flush mounted. Includes clear lens plate on cover.		
28 31 23 00-0731 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	127.72	20.56
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 31 23 00-0732 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	138.47	20.56
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 31 23 00-0733 Battery Enclosures (28 31 23 00-0699)		
28 31 23 00-0734 EA Enclosure For 100Ah Batteries (Siemens CAB-BATT).....	498.99	82.23
28 31 23 00-0735 Graphic Annunciator Output Drivers And Inputs (28 31 23 00-0699)		
28 31 23 00-0736 EA Output Control Module (Siemens OCM-16).....	375.65	20.56
28 31 23 00-0737 EA Supervised Input Module (Siemens SIM-16).....	375.65	20.56
28 31 23 00-0738 Remote LCD Displays (28 31 23 00-0699)		
28 31 23 00-0739 EA Remote LED/LCD System Status Display (Siemens SSD).....	877.88	61.67
Note: No control or menu capability.		
28 31 23 00-0740 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	986.00	61.67
28 31 23 00-0741 Voice Equipment (28 31 23 00-0699)		
28 31 23 00-0742 EA 40W Zone Amplifier Card (Siemens ZAC-40).....	851.69	20.56
28 31 23 00-0743 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	1,874.55	20.56
28 31 23 00-0744 EA Live Voice Module (Siemens LVM).....	795.65	20.56
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 31 23 00-0745 MXL Series Equipment (28 31 23 00-0674)		
28 31 23 00-0746 MXL Optional Equipment (28 31 23 00-0745)		
28 31 23 00-0747 EA Two Circuit Analog Loop Driver (Siemens ALD-21).....	926.78	41.11
28 31 23 00-0748 EA CXL/MXL Interface Module (Siemens CMI-300).....	2,350.59	20.56
28 31 23 00-0749 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	412.44	20.56
28 31 23 00-0750 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	495.65	20.56
28 31 23 00-0751 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	193.38	20.56
28 31 23 00-0752 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	123.75	20.56
28 31 23 00-0753 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	482.63	20.56
28 31 23 00-0754 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	186.20	30.83
28 31 23 00-0755 EA Lexan Window For RCC (Siemens GENBOX-WD).....	124.02	16.45
28 31 23 00-0756 EA Input Driver Module (Siemens MID-16).....	320.17	20.56
28 31 23 00-0757 EA Programmable Output Driver Module (Siemens MOD-16).....	320.17	20.56
28 31 23 00-0758 EA MXL Output/Input Module (Siemens MOI-7).....	505.84	20.56
28 31 23 00-0759 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	274.32	20.56
28 31 23 00-0760 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	425.46	20.56
28 31 23 00-0761 EA 12 Amp, 220 Volt AC Power Supply For MXL (Siemens MPS-12/220).....	1,052.23	61.67
28 31 23 00-0762 EA 12 Amp, 240 Volt AC Power Supply For MXL (Siemens MPS-12/240).....	1,052.23	61.67
28 31 23 00-0763 EA Network Interface Module (Siemens NIM-1W).....	749.24	20.56
28 31 23 00-0764 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	1,975.81	82.23
28 31 23 00-0765 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	227.34	20.56
28 31 23 00-0766 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,330.77	411.13
28 31 23 00-0767 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	282.05	41.11
28 31 23 00-0768 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	2,330.77	411.13
28 31 23 00-0769 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	288.84	41.11
28 31 23 00-0770 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	1,841.14	411.13
28 31 23 00-0771 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,650.03	411.13
28 31 23 00-0772 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	46.03	10.27
28 31 23 00-0773 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,025.69	41.11
28 31 23 00-0774 EA Remote Diagnostics Module For PC (Siemens RDM-PC).....	6,420.29	41.11
28 31 23 00-0775 EA Releasing End Of Line Module (Siemens REL-EOL).....	102.81	20.56
28 31 23 00-0776 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	1,937.18	41.11
28 31 23 00-0777 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	1,850.57	41.11
28 31 23 00-0778 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,014.09	82.23
28 31 23 00-0779 Complete MXL And MXLV System Packages Without Enclosure (28 31 23 00-0745)		
28 31 23 00-0780 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB- 2, One Mps-6, One MOM-2, One ALD-21 And One PIM-1 (Siemens MXL-SS-EP).....	7,445.38	411.13
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-21 is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0781 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	9,566.94	411.13
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 31 23 00-0782 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	19,475.08	411.13
28 31 23 00-0783 MXL Basic System (28 31 23 00-0745)		
28 31 23 00-0784 EA MXL/MXLV Main Control Board (Siemens MMB-3).....	4,775.89	411.13
28 31 23 00-0785 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	6,043.27	411.13
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 31 23 00-0786 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	1,637.17	41.11
28 31 23 00-0787 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	2,045.86	41.11
28 31 23 00-0788 EA 6 Amp Power Supply For MXL (Siemens MPS-6).....	734.67	61.67
28 31 23 00-0789 EA 220/240 Volt AC Adapter Cable (Siemens CIA-12).....	57.35	10.27
28 31 23 00-0790 MXL/MXLR System Expansion Accessories (28 31 23 00-0745)		
28 31 23 00-0791 EA MXL Remote Power Supply Module (Siemens PSR-1).....	894.87	61.67
28 31 23 00-0792 EA Style 4 Communication Module (Siemens NET-4).....	187.72	20.56
28 31 23 00-0793 EA Style 7 Communication Module (Siemens NET-7).....	333.19	20.56
28 31 23 00-0794 EA MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	204.13	20.56
28 31 23 00-0795 Peripheral Devices (28 31 23 00-0674)		
28 31 23 00-0796 Thermal Detectors (28 31 23 00-0795)		
28 31 23 00-0797 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	89.41	30.83
28 31 23 00-0798 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	89.41	30.83
28 31 23 00-0799 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	89.41	30.83
28 31 23 00-0800 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	89.41	30.83
28 31 23 00-0801 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	131.86	30.83
28 31 23 00-0802 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	131.86	30.83
28 31 23 00-0803 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	303.37	30.83
28 31 23 00-0804 Beam Smoke Detector (28 31 23 00-0795)		
28 31 23 00-0805 EA Linear Beam Smoke Detector (Siemens PBA-1191).....	1,390.13	30.83
28 31 23 00-0806 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	160.94	10.27
28 31 23 00-0807 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	162.64	10.27
28 31 23 00-0808 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	85.66	10.27
28 31 23 00-0809 Bases For Detectors (28 31 23 00-0795)		
28 31 23 00-0810 EA Detector Base (Siemens DB-11).....	29.05	10.27
28 31 23 00-0811 EA Universal Base (Siemens DB-3S).....	27.35	10.27
28 31 23 00-0812 Manual Stations (28 31 23 00-0795)		
28 31 23 00-0813 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	217.52	41.11
28 31 23 00-0814 Addressable Devices (28 31 23 00-0674)		
28 31 23 00-0815 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 31 23 00-0814)		
28 31 23 00-0816 EA Addressable Fireprint Fire Detector (Siemens HFP-11).....	159.03	30.83
28 31 23 00-0817 EA Addressable Thermal Fire Detector (Siemens HFPT-11).....	139.22	30.83
28 31 23 00-0818 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	116.01	30.83
28 31 23 00-0819 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	82.61	30.83
28 31 23 00-0820 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	82.61	30.83
28 31 23 00-0821 EA Addressable Single Action Manual Pull Station (Siemens HMS-S).....	201.67	41.11
28 31 23 00-0822 EA Addressable Double Action Manual Pull Station (Siemens HMS-D).....	194.87	41.11
28 31 23 00-0823 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	123.75	20.56
28 31 23 00-0824 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	149.23	20.56
28 31 23 00-0825 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	149.23	20.56
28 31 23 00-0826 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	115.26	20.56
28 31 23 00-0827 EA Line Isolator Module (Siemens HLIM).....	118.66	20.56
28 31 23 00-0828 EA Remote Convention Zone Module (Siemens HZM).....	170.74	20.56
28 31 23 00-0829 EA Intelligent Control Point Module (Siemens HCP).....	213.76	20.56
28 31 23 00-0830 EA Handheld Programming And Testing Unit (Siemens DPU).....	903.60	
28 31 23 00-0831 EA DPU Carrying Case (Siemens DPU-C1).....	141.40	
28 31 23 00-0832 EA Label Printer And Carrying Case (Siemens DPU-PRT).....	1,549.07	20.56
28 31 23 00-0833 Air Duct Housings And Detectors (28 31 23 00-0814)		
28 31 23 00-0834 EA Air-Duct Housing (Siemens AD2-P).....	172.70	16.45

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0835 EA Air-Duct Housing With Relay (Siemens AD2-XHR).....	194.21	16.45
28 31 23 00-0836 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	159.41	20.56
28 31 23 00-0837 EA 6" To 1' Duct Sampling Tube (Siemens ST-10)	52.43	20.56
28 31 23 00-0838 EA >1' To 3' Duct Sampling Tube (Siemens ST-25).....	54.13	20.56
28 31 23 00-0839 EA >3' To 5' Duct Sampling Tube (Siemens ST-50).....	57.53	20.56
28 31 23 00-0840 EA >5' To 10' Duct Sampling Tube (Siemens ST-100).....	59.79	20.56
28 31 23 00-0841 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 31 23 00-0814)		
28 31 23 00-0842 EA Addressable Fireprint Fire Detector (Siemens FP-11)	165.26	30.83
28 31 23 00-0843 EA Addressable Thermal Fire Detector (Siemens FPT-11).....	144.31	30.83
28 31 23 00-0844 EA Intelligent Ionization Smoke Detector (Siemens ILI-1)	181.11	30.83
28 31 23 00-0845 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B)	197.70	41.11
28 31 23 00-0846 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	212.99	41.11
28 31 23 00-0847 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	158.28	20.56
28 31 23 00-0848 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	174.13	20.56
28 31 23 00-0849 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	174.13	20.56
28 31 23 00-0850 Detector Universal Bases (28 31 23 00-0814)		
28 31 23 00-0851 EA Detector Base With Relay (Siemens DB-X11RS)	74.33	10.27
28 31 23 00-0852 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	40.37	10.27
28 31 23 00-0853 EA Locking Kit (Siemens LK-11)	8.67	
28 31 23 00-0854 EA Detector Base With Relay (Siemens DB-X3RS)	74.33	10.27
28 31 23 00-0855 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	85.66	10.27
28 31 23 00-0856 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	38.67	10.27
28 31 23 00-0857 EA Flush Trim Ring For Bases (Siemens RA-ADB)	19.13	6.16
28 31 23 00-0858 EA Seal For DB-11 (Siemens DB11-SEAL)	10.04	
28 31 23 00-0859 EA Gasket For DB-11 (Siemens DB-SEAL)	10.78	
28 31 23 00-0860 EA Detector Guard Housing (Siemens DGH-11).....	106.60	10.27
28 31 23 00-0861 EA Small Detector Base (Siemens DB-11E)	31.32	10.27
28 31 23 00-0862 EA Audible Base For Series 3 (Siemens ADBI-60A)	95.84	10.27
28 31 23 00-0863 EA Base Plug (Siemens DB-11-DP).....	8.65	
28 31 23 00-0864 Air Duct Smoke Detectors (28 31 23 00-0814)		
28 31 23 00-0865 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	86.96	20.56
28 31 23 00-0866 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	407.34	20.56
28 31 23 00-0867 Notification Devices (28 31 23 00-0674)		
28 31 23 00-0868 Synchronization Control Devices (28 31 23 00-0867)		
28 31 23 00-0869 EA Dual Synchronization Control Module (Siemens DSC).....	123.75	20.56
28 31 23 00-0870 Stand Alone Strobes (28 31 23 00-0867)		
28 31 23 00-0871 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	109.78	30.83
28 31 23 00-0872 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	118.27	30.83
28 31 23 00-0873 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	109.78	30.83
28 31 23 00-0874 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	118.27	30.83
28 31 23 00-0875 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	118.27	30.83
28 31 23 00-0876 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	109.78	30.83
28 31 23 00-0877 EA Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	124.50	30.83
28 31 23 00-0878 EA Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	119.97	30.83
28 31 23 00-0879 EA Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	119.97	30.83
28 31 23 00-0880 EA Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	127.33	30.83
28 31 23 00-0881 EA Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	127.33	30.83
28 31 23 00-0882 Horns And Strobes (28 31 23 00-0867)		
28 31 23 00-0883 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	143.18	30.83
28 31 23 00-0884 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	150.54	30.83
28 31 23 00-0885 EA Wall Mounted Horn (Siemens SE-R)	89.41	30.83
28 31 23 00-0886 EA Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	143.18	30.83
28 31 23 00-0887 EA Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	150.54	30.83
28 31 23 00-0888 EA Ceiling Mounted Horn (Siemens SEC-R).....	92.80	30.83
28 31 23 00-0889 EA Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	143.18	30.83
28 31 23 00-0890 EA Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	150.54	30.83
28 31 23 00-0891 EA Wall Mounted Low Profile Horn (Siemens SEF-R).....	89.41	30.83
28 31 23 00-0892 EA Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	143.18	30.83
28 31 23 00-0893 EA Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	150.54	30.83
28 31 23 00-0894 EA Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	92.80	30.83
28 31 23 00-0895 EA Mini Horn (Siemens MH-R)	76.95	30.83
28 31 23 00-0896 EA Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	93.93	30.83
28 31 23 00-0897 EA Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	135.82	30.83
28 31 23 00-0898 EA Industrial Tri-Tone Horn (Siemens ASR)	358.85	30.83
28 31 23 00-0899 EA Wall Mounted Horn (Siemens HS-R)	93.93	30.83
28 31 23 00-0900 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	136.39	30.83
28 31 23 00-0901 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	145.45	30.83



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 31 23 00-0902 EA 6" Motor Bell (Siemens MBDC-6)	105.26	30.83
				28 31 23 00-0903 EA 10" Motor Bell (Siemens MBDC-10)	113.75	30.83
28 31 23 00-0904				Mounting Accessories <small>(28 31 23 00-0867)</small>		
				28 31 23 00-0905 EA Concealed Conduit Adapter Plate (Siemens APS-R)	27.35	10.27
				28 31 23 00-0906 EA 4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	27.35	10.27
				28 31 23 00-0907 EA 4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	27.92	10.27
				28 31 23 00-0908 EA Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	41.50	10.27
				28 31 23 00-0909 EA White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	34.15	10.27
				28 31 23 00-0910 EA Surface Mounted Speaker Backbox (Siemens SBBSS-R)	35.84	10.27
				28 31 23 00-0911 EA Surface Mounted Speaker Backbox (Siemens SBL2S-R)	38.11	10.27
				28 31 23 00-0912 EA Square Semi-Flush Extension Ring (Siemens SERS-R)	31.32	10.27
				28 31 23 00-0913 EA Semi-Flush Plate (Siemens SFPS-R)	26.79	10.27
				28 31 23 00-0914 EA Square Surface Backbox (Siemens SHBBS-R)	31.32	10.27
				28 31 23 00-0915 EA Horn Adapter Plate (Siemens SHMPS-R)	30.18	10.27
				28 31 23 00-0916 EA Ceiling Speaker Extension Ring (Siemens SPEXT-R)	27.35	10.27
				28 31 23 00-0917 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	34.15	10.27
				28 31 23 00-0918 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	35.84	10.27
				28 31 23 00-0919 EA Weatherproof Speaker Backbox (Siemens WBBS-R)	34.71	10.27
				28 31 23 00-0920 EA Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	38.11	10.27
				28 31 23 00-0921 EA Weatherproof Flush Plate (Siemens WFPAS-R)	38.11	10.27
				28 31 23 00-0922 EA Weatherproof Horn Flush Plate (Siemens WFPS-R)	38.11	10.27
				28 31 23 00-0923 EA Weatherproof Horn Backbox (Siemens WPBBS-R)	35.84	10.27
				28 31 23 00-0924 EA Weatherproof Strobe Backbox (Siemens WPSBBS-R)	35.84	10.27
				28 31 23 00-0925 EA Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	27.35	10.27
				28 31 23 00-0926 EA Z Series Backbox (Siemens ZBB-R)	30.18	10.27
28 31 23 00-0927				Door Holders <small>(28 31 23 00-0867)</small>		
				28 31 23 00-0928 EA 120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	207.71	30.83
				28 31 23 00-0929 EA 24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	207.71	30.83
28 31 23 00-0930				Voice Equipment <small>(28 31 23 00-0674)</small>		
28 31 23 00-0931				Voicecom <small>(28 31 23 00-0930)</small>		
				28 31 23 00-0932 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	3,151.55	411.13
				28 31 23 00-0933 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	4,878.00	411.13
28 31 23 00-0934				Notifier Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-0935				Fire Alarm Control Panel And Accessories <small>(28 31 23 00-0934)</small>		
				28 31 23 00-0936 EA NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	3,723.04	411.13
				28 31 23 00-0937 EA NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,132.89	411.13
				28 31 23 00-0938 EA NFS-320 Intelligent Fire Alarm Control Panel (Notifier NFS-320)	3,728.74	411.13
				28 31 23 00-0939 EA Loop Control Module (Notifier LCM-320)	1,246.21	41.11
				28 31 23 00-0940 EA Loop Expander Module (Notifier LEM-320)	1,079.93	41.11
				28 31 23 00-0941 EA Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	968.26	41.11
28 31 23 00-0942				ONYX CAB-4 Series Cabinets <small>(28 31 23 00-0934)</small>		
				28 31 23 00-0943 EA Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	134.03	20.56
				28 31 23 00-0944 EA One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	238.37	20.56
				28 31 23 00-0945 EA One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	156.86	20.56
				28 31 23 00-0946 EA Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	302.94	30.83
				28 31 23 00-0947 EA Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	194.53	30.83
				28 31 23 00-0948 EA Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	450.66	41.11
				28 31 23 00-0949 EA Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	284.38	41.11
				28 31 23 00-0950 EA Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	546.20	51.39
				28 31 23 00-0951 EA Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	332.64	51.39
				28 31 23 00-0952 EA One Tier Backbox Assembly (Notifier SBB-A4)	252.94	61.67
				28 31 23 00-0953 EA Two Tier Backbox Assembly (Notifier SBB-B4)	356.82	82.23
				28 31 23 00-0954 EA Three Tier Backbox Assembly (Notifier SBB-C4)	466.04	82.23
				28 31 23 00-0955 EA Four Tier Backbox Assembly (Notifier SBB-D4)	569.10	102.78
28 31 23 00-0956				NFS2-3030/640 Cabinet Mechanicals <small>(28 31 23 00-0934)</small>		
				28 31 23 00-0957 EA Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	176.60	30.83
				28 31 23 00-0958 EA Battery Dress Plate For NFS2-3030 (Notifier BP2-4)	76.84	12.34
				28 31 23 00-0959 EA Blank Module Dress Plate (Notifier BM-1B)	67.87	12.34
				28 31 23 00-0960 EA Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	81.73	12.34
				28 31 23 00-0961 EA Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	81.73	12.34

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0962			NFS-3030/640 Cabinet Mechanicals (28 31 23 00-0934)		
28 31 23 00-0963	EA		Annunciator Dress Plate (Notifier ADP-4B).....	75.21	12.34
28 31 23 00-0964	EA		Blank Module Dress Plate (Notifier BMP-1).....	49.94	12.34
28 31 23 00-0965	EA		Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	111.21	20.56
28 31 23 00-0966	EA		Module Dress Plate (Notifier MP-1B).....	76.84	12.34
28 31 23 00-0967			Battery Cabinets (28 31 23 00-0934)		
28 31 23 00-0968	EA		Chassis, Mounts Up To 6 Modules (Notifier CHS-6).....	78.61	20.56
28 31 23 00-0969	EA		24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	359.72	61.67
28 31 23 00-0970			Digital Voice (28 31 23 00-0934)		
28 31 23 00-0971	EA		Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	216.36	20.56
28 31 23 00-0972	EA		Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,223.02	20.56
28 31 23 00-0973	EA		Keypad For Digital Voice Command (Notifier DVC-KD).....	363.44	41.11
28 31 23 00-0974	EA		50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025).....	937.73	20.56
28 31 23 00-0975	EA		Multi-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025F).....	937.73	20.56
28 31 23 00-0976	EA		Single-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025SF).....	937.73	20.56
28 31 23 00-0977	EA		50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070).....	1,019.24	20.56
28 31 23 00-0978	EA		Multi-Mode Fiber-Optic Media 50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070F).....	1,019.24	20.56
28 31 23 00-0979	EA		75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525).....	1,223.02	20.56
28 31 23 00-0980	EA		Multi-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525F).....	1,223.02	20.56
28 31 23 00-0981	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525SF).....	1,223.02	20.56
28 31 23 00-0982	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	99.80	20.56
28 31 23 00-0983	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	301.31	30.83
28 31 23 00-0984	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	76.02	12.34
28 31 23 00-0985	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	87.43	12.34
28 31 23 00-0986	EA		Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	148.57	12.34
28 31 23 00-0987	EA		Paging Microphone Only (Notifier MIC-1).....	147.89	20.56
28 31 23 00-0988			Digital Voice Cabinet Doors (28 31 23 00-0934)		
28 31 23 00-0989	EA		Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	342.88	30.83
28 31 23 00-0990	EA		Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	465.33	41.11
28 31 23 00-0991	EA		Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	579.62	51.39
28 31 23 00-0992			RM-1 Remote Microphone (28 31 23 00-0934)		
28 31 23 00-0993	EA		Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	353.30	20.56
28 31 23 00-0994	EA		Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	353.30	20.56
28 31 23 00-0995			Amplifiers (28 31 23 00-0934)		
28 31 23 00-0996	EA		30 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-30).....	547.29	20.56
28 31 23 00-0997	EA		100 Watt Audio Amplifier At 70.7 Vrms, 120 Volt AC (Notifier AA-100).....	1,208.35	20.56
28 31 23 00-0998	EA		120 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-120).....	1,175.75	20.56
28 31 23 00-0999	EA		Audio Coupling Transformer (Notifier ACT-1).....	93.28	20.56
28 31 23 00-1000	EA		Audio Coupling Transformer, Used With Analog Amplifiers (Notifier ACT-2).....	107.95	20.56
28 31 23 00-1001	EA		Audio Coupling Transformer, Used With DVC-AO (Notifier ACT-4).....	107.95	20.56
28 31 23 00-1002	EA		Audio Coupling Transformer, Used With DAA-5025 (Notifier ACT-25).....	107.95	20.56
28 31 23 00-1003	EA		Audio Coupling Transformer, Used With DAA-5070 (Notifier ACT-70).....	107.95	20.56
28 31 23 00-1004			FireVoice-25/50 Emergency Voice Evacuation Control Panel (28 31 23 00-0934)		
28 31 23 00-1005	EA		25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50).....	2,701.08	411.13
28 31 23 00-1006	EA		Zoned System 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	3,186.07	411.13
28 31 23 00-1007	EA		Zoned System With Telephone 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	3,503.97	411.13
28 31 23 00-1008	EA		Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	1,963.41	411.13
28 31 23 00-1009	EA		Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	2,493.23	411.13
28 31 23 00-1010			System Printer (28 31 23 00-0934)		
28 31 23 00-1011	EA		80 Column Desktop Printer, 120 Volt AC (Notifier PRN-6).....	1,452.88	20.56
28 31 23 00-1012			Batteries (28 31 23 00-0934)		
28 31 23 00-1013	EA		7Ah Sealed Battery, 12 Volt (Notifier BAT-1270).....	90.02	20.56
28 31 23 00-1014	EA		12Ah Sealed Battery, 12 Volt (Notifier BAT-12120).....	140.55	20.56
28 31 23 00-1015	EA		18Ah Sealed Battery, 12 Volt (Notifier BAT-12180).....	148.70	20.56
28 31 23 00-1016	EA		26Ah Sealed Battery, 12 Volt (Notifier BAT-12260).....	200.06	20.56
28 31 23 00-1017	EA		55Ah Sealed Battery, 12 Volt (Notifier BAT-12550).....	332.92	20.56
28 31 23 00-1018	EA		100Ah Sealed Battery, 12 Volt (Notifier BAT-121000).....	570.93	20.56
28 31 23 00-1019			Battery Backboxes And Miscellaneous Mechanicals (28 31 23 00-0934)		
28 31 23 00-1020	EA		Battery Backbox, Mounts Up To Two 26Ah And Charger (Notifier BB-26).....	290.79	82.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1021	System Power Supplies And Chargers (28 31 23 00-0934)	
28 31 23 00-1022 EA Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,038.81	20.56
28 31 23 00-1023 EA 6A Auxiliary Power Supply (Notifier APS-6R)	508.17	20.56
28 31 23 00-1024 EA 25 To 120Ah Battery Charger (Notifier CHG-120)	800.79	20.56
28 31 23 00-1025 EA 80 Amps, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	522.03	20.56
28 31 23 00-1026 EA Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A).....	733.96	20.56
28 31 23 00-1027	Network Control Annunciators (28 31 23 00-0934)	
28 31 23 00-1028 EA Network Control Annunciator Used With NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,416.92	61.67
28 31 23 00-1029 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	53.20	12.34
28 31 23 00-1030 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	40.97	12.34
28 31 23 00-1031	FIRSTVISION Firefighter's Display (28 31 23 00-0934)	
28 31 23 00-1032 EA Replacement FIRSTVISION Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	10,203.18	411.13
28 31 23 00-1033	FlashScan Addressable Devices (28 31 23 00-0934)	
28 31 23 00-1034 EA Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNR)	133.96	16.45
28 31 23 00-1035 EA Watertight Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNRW)	224.51	20.56
28 31 23 00-1036 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	142.37	30.83
28 31 23 00-1037 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	266.26	30.83
28 31 23 00-1038 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	713.76	30.83
28 31 23 00-1039 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	145.63	30.83
28 31 23 00-1040 EA Intelligent Addressable Thermal Detector (Notifier FST-851)	121.17	30.83
28 31 23 00-1041 EA Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H)	121.17	30.83
28 31 23 00-1042 EA Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	121.17	30.83
28 31 23 00-1043 EA Intelligent Addressable Control Module (Notifier FCM-1).....	129.96	20.56
28 31 23 00-1044 EA Intelligent Addressable Dual Monitor Module (Notifier FDM-1).....	144.63	20.56
28 31 23 00-1045 EA Intelligent Addressable Monitor Module (Notifier FMM-1).....	108.76	20.56
28 31 23 00-1046 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	97.35	20.56
28 31 23 00-1047 EA Intelligent Addressable 4-20mA Analog Input Module (Notifier FMM-4-20).....	195.98	20.56
28 31 23 00-1048 EA Intelligent Addressable Relay Module (Notifier FRM-1).....	125.07	20.56
28 31 23 00-1049 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	162.56	20.56
28 31 23 00-1050 EA Addressable Manual Dual Action Pull Station (Notifier NBG-12LX).....	180.04	41.11
28 31 23 00-1051 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	107.13	20.56
28 31 23 00-1052	Addressable Device Bases And Accessories (28 31 23 00-0934)	
28 31 23 00-1053 EA Intelligent Detector Base With Flange (Notifier B710LP)	36.05	10.27
28 31 23 00-1054 EA Weatherproof Device Housing (Notifier DH400OE-1).....	218.80	20.56
28 31 23 00-1055	XP6/XP10 Transponder (28 31 23 00-0934)	
28 31 23 00-1056 EA Synchronization Daughter Module Used With XP6-C (Notifier SYNC-1)	93.28	20.56
28 31 23 00-1057 EA Ten Input Monitor Module (Notifier XP10-M)	528.55	20.56
28 31 23 00-1058 EA Six Circuit Supervised Control Module (Notifier XP6-C).....	456.82	20.56
28 31 23 00-1059 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	553.00	20.56
28 31 23 00-1060 EA Six Relay Control Module (Notifier XP6-R)	442.15	20.56
28 31 23 00-1061	LCD Display Annunciators (28 31 23 00-0934)	
28 31 23 00-1062 EA 80 Character LCD Fire Annunciator Used With FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	600.18	61.67
28 31 23 00-1063 EA 640 Character LCD Annunciator Used With NFS-3030 And NFS2-3030 (Notifier LCD-160)	871.61	61.67
28 31 23 00-1064 EA 80 Character LCD Annunciator Used With NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	848.79	61.67
28 31 23 00-1065	ONYX ACM And AEM Series LED Annunciators (28 31 23 00-0934)	
28 31 23 00-1066 EA 16 Alarm And 16 Trouble LED Annunciator Control Module (Notifier ACM-16AT)	608.43	20.56
28 31 23 00-1067 EA 16 Alarm And 16 Trouble LED Annunciator Expander Module (Notifier AEM-16AT).....	467.41	20.56
28 31 23 00-1068 EA 24 Alarm And 24 Trouble LED Annunciator Control Module (Notifier ACM-24AT)	608.43	20.56
28 31 23 00-1069 EA 24 Alarm And 24 Trouble LED Annunciator Expander Module (Notifier AEM-24AT).....	467.41	20.56
28 31 23 00-1070 EA 32 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-32A).....	467.41	20.56
28 31 23 00-1071 EA 32 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-32A).....	420.14	20.56
28 31 23 00-1072 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	467.41	20.56
28 31 23 00-1073 EA 48 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-48A).....	420.14	20.56
28 31 23 00-1074	Graphic Annunciator - Lamp Driver Modules (28 31 23 00-0934)	
28 31 23 00-1075 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	420.14	20.56
28 31 23 00-1076 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	343.52	20.56
28 31 23 00-1077 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	194.72	41.11
28 31 23 00-1078 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	211.02	41.11

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1079 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	244.61	51.39
28 31 23 00-1080 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	265.80	51.39
28 31 23 00-1081 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	424.29	71.94
28 31 23 00-1082 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	75.21	12.34
28 31 23 00-1083 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	129.51	41.11
28 31 23 00-1084 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	158.85	41.11
28 31 23 00-1085 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	277.21	51.39
28 31 23 00-1086 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	73.71	20.56
28 31 23 00-1087 EA 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	447.11	71.94
28 31 23 00-1088 Network Gateways (28 31 23 00-0934)		
28 31 23 00-1089 EA Embedded NFN Gateway (Notifier NFN-GW-EM)	1,671.33	20.56
28 31 23 00-1090 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,671.33	20.56
28 31 23 00-1091 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,671.33	20.56
28 31 23 00-1092 NOTI-FIRE-NET Network Components (28 31 23 00-0934)		
28 31 23 00-1093 EA Interface Between NotiFireNet 50 And BACnet (Notifier BACNET GATEWAY)	1,671.33	20.56
28 31 23 00-1094 EA Fiber Optic Network Communications Module (Notifier NCM-F)	781.23	20.56
28 31 23 00-1095 EA Wired Network Communications Module (Notifier NCM-W)	744.55	20.56
28 31 23 00-1096 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	71.10	10.27
28 31 23 00-1097 EA NOTI-FIRE-NET Web Server (Notifier NWS)	1,703.94	20.56
28 31 23 00-1098 FireWarden Addressable Fire Panels (28 31 23 00-0934)		
28 31 23 00-1099 EA 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-100)	1,841.14	411.13
28 31 23 00-1100 EA 50 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,576.23	411.13
28 31 23 00-1101 FireWarden Accessories (28 31 23 00-0934)		
28 31 23 00-1102 EA 80 Character LCD Fire Annunciator (Notifier N-ANN-80)	386.62	61.67
28 31 23 00-1103 EA 10 Input LED Annunciator Module (Notifier N-ANN-LED)	326.40	20.56
28 31 23 00-1104 EA Relay Module With 10 Programmable Form C Relays (Notifier N-ANN-RLY)	244.89	20.56
28 31 23 00-1105 FireWarden Devices (28 31 23 00-0934)		
28 31 23 00-1106 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	132.58	30.83
28 31 23 00-1107 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	130.95	30.83
28 31 23 00-1108 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	125.25	30.83
28 31 23 00-1109 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	125.25	30.83
28 31 23 00-1110 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	125.25	30.83
28 31 23 00-1111 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	248.33	30.83
28 31 23 00-1112 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	297.24	30.83
28 31 23 00-1113 EA Intelligent Addressable Monitor Module (Notifier NMM-100)	104.69	20.56
28 31 23 00-1114 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	95.31	20.56
28 31 23 00-1115 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	157.67	20.56
28 31 23 00-1116 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	553.00	20.56
28 31 23 00-1117 EA Two Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NDM-100)	120.99	20.56
28 31 23 00-1118 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	106.32	20.56
28 31 23 00-1119 EA Intelligent Addressable Control Module (Notifier NC-100)	125.88	20.56
28 31 23 00-1120 EA Intelligent Addressable Relay Module (Notifier NC-100R)	120.99	20.56
28 31 23 00-1121 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	179.23	41.11
28 31 23 00-1122 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels (28 31 23 00-0934)		
28 31 23 00-1123 EA Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,027.86	328.90
28 31 23 00-1124 EA Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,125.67	328.90
28 31 23 00-1125 SFP-2402/2404, RP Series And SFP-400/SFP-400B Option Modules (28 31 23 00-0934)		
28 31 23 00-1126 EA Annunciator Interface Module (Notifier 4XLM)	117.73	20.56
28 31 23 00-1127 EA Transmitter Module (Notifier 4XTM)	117.73	20.56
28 31 23 00-1128 EA Four Zone Relay Module (Notifier 4XZM)	134.85	20.56
28 31 23 00-1129 EA 100 VA, 120 Volt AC Power Expansion Transformer (Notifier XRM-24)	112.02	20.56
28 31 23 00-1130 EA 100 VA, 240 Volt AC Power Expansion Transformer (Notifier XRM-24E)	112.02	20.56
28 31 23 00-1131 SFP-5UD 5 Zone Control Panels (28 31 23 00-0934)		
28 31 23 00-1132 EA Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	1,573.78	411.13
28 31 23 00-1133 SFP-10UD 10 Zone Control Panels And Accessories (28 31 23 00-0934)		
28 31 23 00-1134 EA 10 Zone Conventional Fire Alarm Control Panel (Notifier SFP-10UD)	1,806.09	411.13
28 31 23 00-1135 EA Four Channel Stand Alone Fire Alarm Communicator (Notifier 411UDAC)	462.43	61.67
28 31 23 00-1136 Notifier Plug-in Smoke Detectors (28 31 23 00-0934)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1137 EA Conventional Carbon Monoxide Detector (Notifier CO1224)	192.27	41.11
28 31 23 00-1138 i3 Photoelectric Smoke Detectors (28 31 23 00-0934)		
28 31 23 00-1139 EA Two Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 2WTA-B)	116.28	30.83
28 31 23 00-1140 EA Four Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 4WTA-B)	117.10	30.83
28 31 23 00-1141 EA Two Wire, i3 Photoelectric Smoke Detector (Notifier 2W-B)	113.02	30.83
28 31 23 00-1142 EA Four Wire, i3 Photoelectric Smoke Detector (Notifier 4W-B)	114.65	30.83
28 31 23 00-1143 System Sensor Duct Smoke Detectors (28 31 23 00-0934)		
28 31 23 00-1144 EA Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLP)	207.39	20.56
28 31 23 00-1145 EA Weatherproof Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLWP)	273.42	20.56
28 31 23 00-1146 EA 4' To 8' Duct Width Sampling Tube (Notifier ST-5)	54.56	20.56
28 31 23 00-1147 System Detector Accessories (28 31 23 00-0934)		
28 31 23 00-1148 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS451Key)	111.21	20.56
28 31 23 00-1149 NBG-12 Series Pull Stations (28 31 23 00-0934)		
28 31 23 00-1150 EA Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12L)	113.20	41.11
28 31 23 00-1151 EA Outdoor Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12LOB)	195.53	41.11
28 31 23 00-1152 EA Metal Surface Mount Backbox For Pullbox (Notifier SB-10)	45.12	16.45
28 31 23 00-1153 EA Plastic Surface Mount Backbox For Pullbox (Notifier SB-I/O)	45.93	16.45
28 31 23 00-1154 Heat Detectors (28 31 23 00-0934)		
28 31 23 00-1155 EA Single Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5601P)	75.53	30.83
28 31 23 00-1156 EA Single Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5602)	75.53	30.83
28 31 23 00-1157 EA Dual Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5621)	90.20	30.83
28 31 23 00-1158 EA Dual Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5622)	90.20	30.83
28 31 23 00-1159 Rate Compensation Heat Detectors (28 31 23 00-0934)		
28 31 23 00-1160 EA 135 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-135)	128.51	30.83
28 31 23 00-1161 EA 194 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-194)	128.51	30.83
28 31 23 00-1162 Stopper Pull Station Covers (28 31 23 00-0934)		
28 31 23 00-1163 EA Pull Station Polycarbonate Cover, Semi Flush (STI-1200)	101.43	20.56
28 31 23 00-1164 EA Pull Station Polycarbonate Cover With Spacer (STI-1230)	119.36	20.56
28 31 23 00-1165 EA Horn Strobe Polycarbonate Cover With Spacer (STI-1210D)	94.09	20.56
28 31 23 00-1166 EA Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E)	85.13	20.56
28 31 23 00-1167 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	94.09	20.56
28 31 23 00-1168 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	85.13	20.56
28 31 23 00-1169 SpectrAlert Advance Horns (28 31 23 00-0934)		
28 31 23 00-1170 EA Interior Wall Mounted Horn (Notifier HR)	95.09	30.83
28 31 23 00-1171 EA Outdoor Wall Mounted Horn (Notifier HRK)	110.58	30.83
28 31 23 00-1172 SpectrAlert Advance Four Wire Wall Mounted Horn/Strobes (28 31 23 00-0934)		
28 31 23 00-1173 EA Interior Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4R)	132.58	30.83
28 31 23 00-1174 EA Outdoor Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4RK)	146.44	30.83
28 31 23 00-1175 EA Interior Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RH)	136.66	30.83
28 31 23 00-1176 EA Outdoor Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RHK)	152.96	30.83
28 31 23 00-1177 SpectrAlert Advance Four Wire Ceiling Mounted Horn/Strobes (28 31 23 00-0934)		
28 31 23 00-1178 EA Interior Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4R)	132.58	30.83
28 31 23 00-1179 EA Outdoor Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RK)	146.44	30.83
28 31 23 00-1180 EA Interior High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RH)	136.66	30.83
28 31 23 00-1181 EA Outdoor High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RHK)	150.52	30.83
28 31 23 00-1182 SpectrAlert Advance Wall Mounted Strobes (28 31 23 00-0934)		
28 31 23 00-1183 EA Interior Multi-Candela Wall Mounted Strobe (Notifier SR)	110.58	30.83
28 31 23 00-1184 EA Outdoor Multi-Candela Wall Mounted Strobe (Notifier SRK)	133.40	30.83
28 31 23 00-1185 EA Interior High-Candela Wall Mounted Strobe (Notifier SRH)	121.99	30.83
28 31 23 00-1186 EA Outdoor High-Candela Wall Mounted Strobe (Notifier SRHK)	135.03	30.83
28 31 23 00-1187 SpectrAlert Advance Ceiling Mounted Strobes (28 31 23 00-0934)		
28 31 23 00-1188 EA Interior Multi-Candela Ceiling Mounted Strobe (Notifier SCR)	110.58	30.83
28 31 23 00-1189 EA Outdoor Multi-Candela Ceiling Mounted Strobe (Notifier SCRK)	133.40	30.83
28 31 23 00-1190 EA Interior High-Candela Ceiling Mounted Strobe (Notifier SCRH)	121.99	30.83

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-1191	EA	Outdoor High-Candela Ceiling Mounted Strobe (Notifier SCRHK).....	135.03	30.83
28 31	23 00-1192		System Sensor SpectrAlert Advance Wall Mounted Speakers (28 31 23 00-0934)		
	28 31 23 00-1193	EA	Wall Mounted Speaker (Notifier SPR).....	91.83	30.83
	28 31 23 00-1194	EA	High dB Wall Mounted Speaker (Notifier SPRV).....	91.83	30.83
	28 31 23 00-1195	EA	Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSR).....	141.55	30.83
	28 31 23 00-1196	EA	High-Candela Wall Mounted Speaker/Strobe (Notifier SPSRH).....	149.70	30.83
	28 31 23 00-1197	EA	High dB Wall Mounted Speaker/Strobe (Notifier SPSRV).....	141.55	30.83
	28 31 23 00-1198	EA	Outdoor Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSRK).....	175.79	30.83
28 31	23 00-1199		System Sensor SpectrAlert Advance Ceiling Mounted Speakers (28 31 23 00-0934)		
	28 31 23 00-1200	EA	Ceiling Mounted Speaker (Notifier SPCR).....	91.83	30.83
	28 31 23 00-1201	EA	High dB Ceiling Mounted Speaker (Notifier SPCRV).....	91.83	30.83
	28 31 23 00-1202	EA	Outdoor Ceiling Mounted Speaker (Notifier SPCRK).....	126.06	30.83
	28 31 23 00-1203	EA	Selectable Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCR).....	141.55	30.83
	28 31 23 00-1204	EA	High-Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCRH).....	149.70	30.83
	28 31 23 00-1205	EA	High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRV).....	141.55	30.83
	28 31 23 00-1206	EA	High-Candela/High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRVH).....	149.70	30.83
28 31	23 00-1207		SpectrAlert Advance Accessories (28 31 23 00-0934)		
	28 31 23 00-1208	EA	Wall Mounted Backbox Skirt (Notifier BBS-2).....	20.90	6.16
	28 31 23 00-1209	EA	Ceiling Mounted Backbox Skirt (Notifier BBS-2).....	24.57	6.16
28 31	23 00-1210		System Sensor Electric Alarm Bell (28 31 23 00-0934)		
	28 31 23 00-1211	EA	10" Alarm Bell (Notifier SSM24-10).....	115.47	30.83
28 31	23 00-1212		FM Series Door Releases (28 31 23 00-0934)		
	28 31 23 00-1213	EA	1/2" Door Holder Spacer (Notifier FM900-50).....	21.31	6.16
	28 31 23 00-1214	EA	3/4" Door Holder Spacer (Notifier FM900-75).....	21.31	6.16
	28 31 23 00-1215	EA	1" Door Holder Spacer (Notifier FM900-100).....	21.31	6.16
	28 31 23 00-1216	EA	Door Holder Extension Kit (Notifier FM900).....	22.94	6.16
	28 31 23 00-1217	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	22.94	6.16
	28 31 23 00-1218	EA	Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM980).....	155.41	30.83
	28 31 23 00-1219	EA	Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM996).....	135.85	30.83
	28 31 23 00-1220	EA	Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM998).....	135.85	30.83
28 31	23 00-1221		Johnson Controls Fire Alarm (28 31 23)		
	28 31 23 00-1222	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	127.67	30.83
	28 31 23 00-1223	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	126.44	30.83
	28 31 23 00-1224	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	154.55	30.83
	28 31 23 00-1225	EA	Accimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	154.16	30.83
	28 31 23 00-1226	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	404.94	41.11
	28 31 23 00-1227	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	121.40	30.83
	28 31 23 00-1228	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	109.77	30.83
	28 31 23 00-1229	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	107.30	30.83
	28 31 23 00-1230	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	296.89	30.83
	28 31 23 00-1231	EA	100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-100).....	1,405.72	61.67
	28 31 23 00-1232	EA	AUDIO Amplifier, 100 Watt, 230 Volt, (Johnson Controls, Inc. #AA-100E).....	1,362.84	61.67
	28 31 23 00-1233	EA	120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-120).....	1,385.97	61.67
	28 31 23 00-1234	EA	AUDIO Amplifier, 120 Watt, 230 Volt, (Johnson Controls, Inc. #AA-120E).....	1,328.21	61.67
	28 31 23 00-1235	EA	30 Watt Audio Amplifier @ 25 VRMS, 120 Volt AC. (Johnson Controls, Inc. #AA-30).....	660.87	61.67
	28 31 23 00-1236	EA	AUDIO Amplifier, 30 Watt, 230 Volt, (Johnson Controls, Inc. #AA-30E).....	660.87	61.67
	28 31 23 00-1237	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	643.55	20.56
	28 31 23 00-1238	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciatoriation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	669.01	20.56
	28 31 23 00-1239	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	493.81	20.56
	28 31 23 00-1240	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciatoriation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	493.81	20.56
	28 31 23 00-1241	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	350.99	20.56
	28 31 23 00-1242	EA	Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	1,120.91	41.11
	28 31 23 00-1243	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	493.81	20.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1244 EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	512.94	20.56
28 31 23 00-1245 EA Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	443.59	20.56
28 31 23 00-1246 EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	443.59	20.56
28 31 23 00-1247 EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	81.14	18.50
28 31 23 00-1248 EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	682.94	41.11
28 31 23 00-1249 EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	1,467.13	41.11
28 31 23 00-1250 EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	682.94	41.11
28 31 23 00-1251 EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	1,467.13	41.11
28 31 23 00-1252 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	30.94	10.27
28 31 23 00-1253 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	75.62	10.27
28 31 23 00-1254 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	71.58	10.27
28 31 23 00-1255 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	32.67	10.27
28 31 23 00-1256 EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	29.80	10.27
28 31 23 00-1257 EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	502.94	41.11
28 31 23 00-1258 EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	1,162.02	61.67
28 31 23 00-1259 EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	1,226.94	61.67
28 31 23 00-1260 EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	137.41	10.27
28 31 23 00-1261 EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	94.14	10.27
28 31 23 00-1262 EA Digital Audio Amplifier, 50 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-5025).....	1,162.97	61.67
28 31 23 00-1263 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5025F).....	1,075.46	61.67
28 31 23 00-1264 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5025SF).....	1,075.46	61.67
28 31 23 00-1265 EA Digital Audio Amplifier, 50 Watt, 70 VRMS. (Johnson Controls, Inc. #DAA-5070).....	1,257.51	61.67
28 31 23 00-1266 EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,162.02	61.67
28 31 23 00-1267 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5070F).....	1,162.02	61.67
28 31 23 00-1268 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5070SF).....	1,162.02	61.67
28 31 23 00-1269 EA Digital Audio Amplifier, 75 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-7525).....	1,384.59	61.67
28 31 23 00-1270 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber. (Johnson Controls, Inc. #DAA-7525F).....	1,384.59	61.67
28 31 23 00-1271 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber. (Johnson Controls, Inc. #DAA-7525SF).....	1,384.59	61.67
28 31 23 00-1272 EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	150.23	20.56
28 31 23 00-1273 EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	225.92	20.56
28 31 23 00-1274 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	23.35	8.22
28 31 23 00-1275 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	25.13	8.22
28 31 23 00-1276 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	49.74	8.22
28 31 23 00-1277 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	29.12	8.22
28 31 23 00-1278 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	31.90	8.22
28 31 23 00-1279 EA Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	227.20	20.56
28 31 23 00-1280 EA Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	380.86	41.11
28 31 23 00-1281 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	328.62	61.67
28 31 23 00-1282 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	445.18	61.67
28 31 23 00-1283 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	484.13	61.67
28 31 23 00-1284 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	245.21	8.22
28 31 23 00-1285 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	367.86	8.22
28 31 23 00-1286 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	403.93	8.22
28 31 23 00-1287 EA 6.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, TransFormers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S6).....	667.17	82.23
28 31 23 00-1288 EA 8.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, TransFormers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S8).....	671.38	82.23
28 31 23 00-1289 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	629.70	61.67
28 31 23 00-1290 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	115.78	10.27
28 31 23 00-1291 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	324.15	20.56
28 31 23 00-1292 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	180.17	30.83
28 31 23 00-1293 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	149.48	30.83
28 31 23 00-1294 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	156.46	30.83
28 31 23 00-1295 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	1,174.30	41.11
28 31 23 00-1296 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	1,430.46	41.11
28 31 23 00-1297 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	435.75	20.56
28 31 23 00-1298 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 Volt AC, Includes Door, Dress Panel And Back Box, Black. (Johnson Controls, Inc. #IFC-320).....	3,048.75	328.90
28 31 23 00-1299 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	1,442.90	41.11
28 31 23 00-1300 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	19,284.73	986.71
28 31 23 00-1301 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	21,015.87	986.71
28 31 23 00-1302 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	23,612.57	986.71
28 31 23 00-1303 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	21,015.87	986.71
28 31 23 00-1304 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	144.12	12.34
28 31 23 00-1305 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	161.43	12.34
28 31 23 00-1306 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	175.28	12.34
28 31 23 00-1307 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	322.43	12.34
28 31 23 00-1308 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	106.46	8.22

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-1309	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	168.85	18.50
28 31	23 00-1310	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	178.78	18.50
28 31	23 00-1311	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	320.90	18.50
28 31	23 00-1312	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	315.08	8.22
28 31	23 00-1313	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	423.28	8.22
28 31	23 00-1314	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	522.81	8.22
28 31	23 00-1315	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	155.94	20.56
28 31	23 00-1316	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	72.12	8.22
28 31	23 00-1317	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	3,042.20	328.90
28 31	23 00-1318	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt Power Supply, Includes CHS2-M2 Chassis. (Johnson Controls, Inc. #JCPU2-640).....	2,200.77	246.68
28 31	23 00-1319	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	3,901.54	328.90
28 31	23 00-1320	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	3,713.32	246.68
28 31	23 00-1321	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	2,709.45	246.68
28 31	23 00-1322	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,432.13	30.83
28 31	23 00-1323	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,446.57	30.83
28 31	23 00-1324	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,446.57	30.83
28 31	23 00-1325	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,714.27	41.11
28 31	23 00-1326	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS2-2D). (Johnson Controls, Inc. #JNCA-2).....	1,455.88	41.11
28 31	23 00-1327	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,358.92	246.68
28 31	23 00-1328	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,040.08	41.11
28 31	23 00-1329	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	859.15	41.11
28 31	23 00-1330	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,370.53	41.11
28 31	23 00-1331	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	423.04	10.27
28 31	23 00-1332	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	138.48	8.22
28 31	23 00-1333	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	169.65	8.22
28 31	23 00-1334	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	341.70	10.27
28 31	23 00-1335	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	623.00	10.27
28 31	23 00-1336	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,124.82	10.27
28 31	23 00-1337	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	92.74	10.27
28 31	23 00-1338	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	144.84	10.27
28 31	23 00-1339	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	73.86	10.27
28 31	23 00-1340	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	101.66	10.27
28 31	23 00-1341	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ).....	81.16	10.27
28 31	23 00-1342	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	129.23	10.27
28 31	23 00-1343	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	146.69	10.27
28 31	23 00-1344	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	84.87	10.27
28 31	23 00-1345	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,197.29	30.83
28 31	23 00-1346	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,061.61	20.56
28 31	23 00-1347	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	981.98	20.56
28 31	23 00-1348	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	38.51	4.11
28 31	23 00-1349	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	860.29	20.56
28 31	23 00-1350	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	819.67	20.56
28 31	23 00-1351	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,087.18	41.11
28 31	23 00-1352	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	584.18	20.56
28 31	23 00-1353	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	160.99	8.22
28 31	23 00-1354	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	372.63	20.56
28 31	23 00-1355	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	372.63	20.56
28 31	23 00-1356	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	101.28	8.22
28 31	23 00-1357	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	27.79	4.11
28 31	23 00-1358	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	27.79	4.11
28 31	23 00-1359	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCR).....	113.61	30.83
28 31	23 00-1360	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCRH).....	125.72	30.83
28 31	23 00-1361	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	139.57	30.83
28 31	23 00-1362	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	137.83	30.83
28 31	23 00-1363	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	907.98	82.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1364	EA			Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	717.54	82.23
28 31 23 00-1365	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW).....	113.61	30.83
28 31 23 00-1366	EA			Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCWH).....	125.72	30.83
28 31 23 00-1367	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW-P).....	113.61	30.83
28 31 23 00-1368	EA			Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	21.95	8.22
28 31 23 00-1369	EA			SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	22.11	4.11
28 31 23 00-1370	EA			SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	24.89	4.11
28 31 23 00-1371	EA			SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	22.13	4.11
28 31 23 00-1372	EA			Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR).....	105.26	30.83
28 31 23 00-1373	EA			Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH).....	125.72	30.83
28 31 23 00-1374	EA			Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	139.57	30.83
28 31 23 00-1375	EA			Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH-P).....	125.72	30.83
28 31 23 00-1376	EA			Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	137.83	30.83
28 31 23 00-1377	EA			Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR-P).....	113.61	30.83
28 31 23 00-1378	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW).....	113.61	30.83
28 31 23 00-1379	EA			Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH).....	125.72	30.83
28 31 23 00-1380	EA			Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH-P).....	125.72	30.83
28 31 23 00-1381	EA			Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW-P).....	113.61	30.83
28 31 23 00-1382	EA			Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	140.87	10.27
28 31 23 00-1383	EA			Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	619.52	41.11
28 31 23 00-1384	EA			Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi. (Johnson Controls, Inc. #SPSCW).....	166.11	41.11
28 31 23 00-1385	EA			Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	72.52	20.56
28 31 23 00-1386	EA			Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	72.52	20.56
28 31 23 00-1387	EA			Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	124.99	20.56
28 31 23 00-1388	EA			Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	135.02	20.56
28 31 23 00-1389	EA			Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH).....	135.02	20.56
28 31 23 00-1390	EA			Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	121.00	20.56
28 31 23 00-1391	EA			Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D. (Johnson Controls, Inc. #SPSWK).....	161.18	20.56
28 31 23 00-1392	EA			Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	124.99	20.56
28 31 23 00-1393	EA			Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	72.52	20.56
28 31 23 00-1394	EA			Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	72.52	20.56
28 31 23 00-1395	EA			Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	135.02	20.56
28 31 23 00-1396	EA			Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	124.99	20.56
28 31 23 00-1397	EA			Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	124.99	20.56
28 31 23 00-1398				Honeywell Fire Alarm (28 31 23)		
28 31 23 00-1399				Fire-Lite System (28 31 23 00-1398)		
28 31 23 00-1400				Addressable Control Panels (28 31 23 00-1399)		
28 31 23 00-1401	EA			25 Point Intelligent Control (Fire Lite MS-25).....	1,278.40	411.13
28 31 23 00-1402	EA			50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,389.39	411.13
28 31 23 00-1403	EA			198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	1,971.57	411.13
28 31 23 00-1404	EA			636-Point Intelligent Control (Fire Lite MS-9600LS).....	2,869.39	411.13
28 31 23 00-1405	EA			636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	2,763.50	411.13
28 31 23 00-1406				Fire Alarm Terminal Cabinets (28 31 23)		
28 31 23 00-1407	EA			18 Point Lockable Fire Alarm Terminal Cabinet.....	145.61	41.18
28 31 23 00-1408	EA			32 Point Lockable Fire Alarm Terminal Cabinet.....	183.57	41.18
28 31 23 00-1409	EA			64 Point Lockable Fire Alarm Terminal Cabinet.....	259.49	41.18
28 31 23 00-1410	EA			128 Point Lockable Fire Alarm Terminal Cabinet.....	335.38	41.18
28 31 23 00-1411				Test And Certification (28 31 23)		
28 31 23 00-1412	DAY			Test And Certification For Tie Into Existing Systems.....	655.52	
28 31 23 00-1413	HR			Test And Certification Of Fire Alarm System.....	106.01	
				Note: GCC Programming and Engineering; Programming of the Fire Alarm System.		
28 33				Gas Detection and Alarm (28 30)		
28 33 00 00-0001				Monitoring System For Underground Tanks (28 33)		
28 33 00 00-0002				Continuous Leak Detection System (28 33 00 00-0001)		
				Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 33 00 00-0003	EA			Single Channel Underground Tank Monitoring System.....	2,799.68	337.12
28 33 00 00-0004	EA			2 Channel Underground Tank Monitoring System.....	3,771.05	449.77
28 33 00 00-0005	EA			3 Channel Underground Tank Monitoring System.....	5,152.15	481.84
28 33 00 00-0006	EA			4 Channel Underground Tank Monitoring System.....	5,713.80	674.24
28 33 00 00-0007	EA			Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	3,520.25	57.56
28 33 00 00-0008	EA			Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System.....	3,173.93	51.39
28 33 00 00-0009	EA			Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System.....	4,161.72	57.56
28 33 00 00-0010	EA			Tank Leak Detection Probe.....	1,281.74	12.34
28 33 00 00-0011	EA			Secondary Containment Collar Probe.....	160.54	4.93
28 33 00 00-0012	EA			Interstitial Leak Detection Probe.....	295.73	10.27
28 33 00 00-0013	EA			Liquid Phase Detection.....	972.26	30.83
28 33 00 00-0014	EA			Hydrocarbon Vapor, Fixed.....	900.26	30.83
28 33 00 00-0015	EA			Hydrocarbon Vapor, Float Mounted.....	1,048.15	34.95

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 33 Gas Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 33 00 00-0016 EA Liquid And Vapor Hydrocarbon	1,192.16	34.95
28 33 00 00-0017 Hydrogen Gas Detection <small>(28 33)</small>		
28 33 00 00-0018 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	989.26	30.88
28 33 00 00-0019 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	56.86	10.29
28 33 00 00-0020 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	263.85	30.88
28 34 Fuel-Oil Detection and Alarm <small>(28 30)</small>		
See CSI section 28 33 00 00-0000 for detection and alarms.		

END OF SECTION 28



Earthwork	31	15
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001 Rip Settling Basins ^(31 01 20)

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	466.17
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	748.57
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	633.49

31 05 Common Work Results For Earthwork ⁽³¹⁾

31 05 13 Soils For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) ^(31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

31 05 13 00-0002	CY Sand, Bank Run.....	30.98
	For Up To 10, Add	8.67
	For >10 To 25, Add	3.10
31 05 13 00-0003	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	32.08
	For Up To 10, Add	9.00
	For >10 To 25, Add	3.21
31 05 13 00-0004	CY Native Clean Fill Soil/Dirt - Common	19.46
	For Up To 10, Add	5.22
	For >10 To 25, Add	1.95
31 05 13 00-0005	CY Lime Rock Screening.....	23.64
	For Up To 10, Add	6.47
	For >10 To 25, Add	2.36
31 05 13 00-0006	CY Crushed Lime Rock Maximum 3-1/2"	22.27
	For Up To 10, Add	6.06
	For >10 To 25, Add	2.23
31 05 13 00-0007	CY Asphalt Sand	29.28
	For Up To 10, Add	8.16
	For >10 To 25, Add	2.93
31 05 13 00-0008	CY Lawn Sand.....	24.46
	For Up To 10, Add	6.72
	For >10 To 25, Add	2.45
31 05 13 00-0009	CY Sand/Clay	30.44
	For Up To 10, Add	8.51
	For >10 To 25, Add	3.04
31 05 13 00-0010	CY Recycled Concrete Aggregate.....	39.32
	For Up To 10, Add	11.17
	For >10 To 25, Add	3.93
31 05 13 00-0011	CY Sand Fill, Washed Aggregate	40.02
	For Up To 10, Add	11.38
	For >10 To 25, Add	4.00
31 05 13 00-0012	CY Pond Sand.....	20.30
	For Up To 10, Add	5.47
	For >10 To 25, Add	2.03
31 05 13 00-0013	CY Pitrun Clay.....	25.49
	For Up To 10, Add	7.02
	For >10 To 25, Add	2.55
31 05 13 00-0014	CY Light Clay / Loam.....	34.74
	For Up To 10, Add	9.80
	For >10 To 25, Add	3.47
31 05 13 00-0015	CY Heavy Clay.....	30.15
	For Up To 10, Add	8.42
	For >10 To 25, Add	3.02

31 05 16 Aggregates For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) ^(31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	32.71
	For Up To 10, Add	9.19
	For >10 To 25, Add	3.27
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean).....	29.12
	For Up To 10, Add	8.11
	For >10 To 25, Add	2.91

31 Earthwork
31 05 Common Work Results For Earthwork
31 05 16 Aggregates For Earthwork



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0004	CY		#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean).....	29.57	
			For Up To 10, Add	8.25	
			For >10 To 25, Add	2.96	
31 05 16 00-0005	CY		#5 Stone Aggregate Fill (1/2" To 1" Clean).....	31.74	
			For Up To 10, Add	8.90	
			For >10 To 25, Add	3.17	
31 05 16 00-0006	CY		#6 Stone Aggregate Fill (3/8" To 3/4" Clean).....	32.17	
			For Up To 10, Add	9.03	
			For >10 To 25, Add	3.22	
31 05 16 00-0007	CY		#56 Stone Aggregate Fill (3/8" To 1").....	33.06	
			For Up To 10, Add	9.30	
			For >10 To 25, Add	3.31	
31 05 16 00-0008	CY		#57 Stone Aggregate Fill (#4 To 1").....	33.59	
			For Up To 10, Add	9.45	
			For >10 To 25, Add	3.36	
31 05 16 00-0009	CY		#67 Or #68 Stone Aggregate Fill (#4 To 3/4").....	34.08	
			For Up To 10, Add	9.60	
			For >10 To 25, Add	3.41	
31 05 16 00-0010	CY		#7 Stone Aggregate Fill (1/2" To #4).....	34.17	
			For Up To 10, Add	9.63	
			For >10 To 25, Add	3.42	
31 05 16 00-0011	CY		#78 Stone Aggregate Fill (#8 To 1/2").....	35.06	
			For Up To 10, Add	9.90	
			For >10 To 25, Add	3.51	
31 05 16 00-0012	CY		#8 Stone Aggregate Fill (3/8" x 1/8").....	35.95	
			For Up To 10, Add	10.16	
			For >10 To 25, Add	3.60	
31 05 16 00-0013	CY		#89 Stone Aggregate Fill (#16 To 3/8").....	36.08	
			For Up To 10, Add	10.20	
			For >10 To 25, Add	3.61	
31 05 16 00-0014	CY		#9 Stone Aggregate Fill (1/4" Clean).....	36.23	
			For Up To 10, Add	10.25	
			For >10 To 25, Add	3.62	
31 05 16 00-0015	CY		#10 Stone Aggregate Fill (#8 To 3/4).....	37.58	
			For Up To 10, Add	10.65	
			For >10 To 25, Add	3.76	
31 05 16 00-0016	CY		#610 Modified Stone Aggregate Fill (#16 To 3/4").....	34.87	
			For Up To 10, Add	9.84	
			For >10 To 25, Add	3.49	
31 05 16 00-0017	CY		Screenings Stone Aggregate Fill.....	28.31	
			For Up To 10, Add	7.87	
			For >10 To 25, Add	2.83	
31 05 16 00-0018	CY		Stone Aggregate Fill, Random Size, Over 6" To 12".....	38.53	
			For Up To 10, Add	10.94	
			For >10 To 25, Add	3.85	
31 05 16 00-0019	CY		Graded Stone Aggregate Fill, Over 6" To 12".....	42.46	
			For Up To 10, Add	12.12	
			For >10 To 25, Add	4.25	
31 05 16 00-0020	CY		Surge Stone Aggregate Fill (3" To 7" Random).....	34.02	
			For Up To 10, Add	9.58	
			For >10 To 25, Add	3.40	
31 05 16 00-0021	CY		Surge Stone Graded Aggregate Fill (3" To 7").....	39.17	
			For Up To 10, Add	11.13	
			For >10 To 25, Add	3.92	
31 05 16 00-0022	CY		Crusher Run Aggregate Fill (2-1/2" Minus).....	32.58	
			For Up To 10, Add	9.15	
			For >10 To 25, Add	3.26	
31 05 16 00-0023	CY		Crusher Run Aggregate Fill (1-1/2" Minus).....	31.70	
			For Up To 10, Add	8.89	
			For >10 To 25, Add	3.17	
31 05 16 00-0024	CY		Crusher Run Aggregate Fill (3/4" Minus).....	28.68	
			For Up To 10, Add	7.98	
			For >10 To 25, Add	2.87	
31 05 16 00-0025	CY		Miscellaneous Crushed Base, Processed Concrete, Paving.....	35.51	
			For Up To 10, Add	10.03	
			For >10 To 25, Add	3.55	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾

31 11 Clearing And Grubbing ^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR		Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip.....	6,206.69	
			Note: Includes grub and removal of stump		
31 11 00 00-0003	ACR		Clear And Grub Light Stumps Only Up To 6" Diameter.....	1,586.15	
31 11 00 00-0004	ACR		Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip.....	7,241.14	
			Note: Includes grub and removal of stump		



Earthwork	31	13
Site Clearing	31 10	
Clearing And Grubbing	31 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	2,643.59	
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	8,228.57	
Note: Includes grub and removal of stump		
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	3,004.44	
31 11 00 00-0008 ACR Clearing - Light Brush Without Grub	237.72	
31 11 00 00-0009 ACR Clearing - Medium Brush Without Grub	489.40	
31 11 00 00-0010 ACR Clearing - Heavy Brush Without Grub	695.04	
31 11 00 00-0011 ACR Chipping - Light Brush	1,931.32	
31 11 00 00-0012 ACR Chipping - Medium Brush	2,483.25	
31 11 00 00-0013 ACR Chipping - Heavy Brush	3,476.86	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material <small>(31 11)</small>		
See CSI section 01 74 19 00-0035 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	8.16	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	9.79	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	30.22	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material	23.74	
31 13 Selective Tree And Shrub Removal And Trimming <small>(31 10)</small>		
31 13 13 Selective Tree And Shrub Removal <small>(31 13)</small>		
31 13 13 00-0001 Individual Tree And Stump Removal <small>(31 13 13)</small>		
Note: Individual tree removal tasks exclude stump removal or grinding. Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation.		
31 13 13 00-0002 EA Up To 6" Diameter Stump Removal	79.31	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0003 EA >6" To 12" Diameter Stump Removal	152.01	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0004 EA >12" To 24" Diameter Stump Removal	198.27	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0005 EA >24" To 36" Diameter Stump Removal	297.42	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0006 EA >36" To 48" Diameter Stump Removal	350.30	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0007 EA Up To 6" Diameter Stump Removal By Hand	486.93	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0008 EA >6" To 12" Diameter Stump Removal By Hand	608.66	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0009 EA >12" To 24" Diameter Stump Removal By Hand	892.71	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010 EA >24" To 36" Diameter Stump Removal By Hand	1,217.33	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011 EA >36" To 48" Diameter Stump Removal By Hand	1,623.10	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	452.57	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0013 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	678.86	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0014 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	905.15	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0015 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,357.71	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0016 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	1,810.29	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0017 Stump Grinding <small>(31 13 13)</small>		
Note: Measured by diameter of stump.		
31 13 13 00-0018 Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0017)</small>		
Note: Level soil to match existing surface area.		
31 13 13 00-0019 EA Stump Grinding Up To 6" Tree	82.89	
For 24" Depth, Add		
	16.58	
31 13 13 00-0020 EA Stump Grinding >6" To 12" Tree	110.53	
For 24" Depth, Add		
	22.11	
31 13 13 00-0021 EA Stump Grinding >12" To 15" Tree	124.35	
For 24" Depth, Add		
	24.87	
31 13 13 00-0022 EA Stump Grinding >15" To 18" Tree	138.16	
For 24" Depth, Add		
	27.63	
31 13 13 00-0023 EA Stump Grinding >18" To 21" Tree	148.52	
For 24" Depth, Add		
	29.70	
31 13 13 00-0024 EA Stump Grinding >21" To 24" Tree	158.88	
For 24" Depth, Add		
	31.78	
31 13 13 00-0025 EA Stump Grinding >24" To 27" Tree	172.69	
For 24" Depth, Add		
	34.54	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0026 EA Stump Grinding >27" To 30" Tree..... <i>For 24" Depth, Add</i>	187.54 37.51	
31 13 13 00-0027 EA Stump Grinding >30" To 33" Tree..... <i>For 24" Depth, Add</i>	208.38 41.68	
31 13 13 00-0028 EA Stump Grinding >33" To 36" Tree..... <i>For 24" Depth, Add</i>	222.26 44.45	
31 13 13 00-0029 EA Stump Grinding >36" To 42" Tree..... <i>For 24" Depth, Add</i>	250.05 50.01	
31 13 13 00-0030 EA Stump Grinding >42" To 48" Tree..... <i>For 24" Depth, Add</i>	277.83 55.57	
31 13 13 00-0031 Shrub Removal, Dig And Lace <small>(31 13 13)</small>		
31 13 13 00-0032 EA Remove 18" To 24" Shrub, Broadleaf Evergreen.....	33.76	
31 13 13 00-0033 EA Remove 2' To 3' Shrub, Broadleaf Evergreen.....	52.95	
31 13 13 00-0034 EA Remove 3' To 4' Shrub, Broadleaf Evergreen.....	61.39	
31 13 13 00-0035 EA Remove 4' To 5' Shrub, Broadleaf Evergreen.....	92.10	
31 13 13 00-0036 EA Remove 12" To 15" Shrub, Deciduous.....	16.88	
31 13 13 00-0037 EA Remove 18" To 24" Shrub, Deciduous.....	26.09	
31 13 13 00-0038 EA Remove 2' To 3' Shrub, Deciduous.....	33.76	
31 13 13 00-0039 EA Remove 3' To 4' Shrub, Deciduous.....	36.84	
31 13 13 00-0040 EA Remove 18" To 24" Shrub, Evergreen.....	33.76	
31 13 13 00-0041 EA Remove 24" To 30" Shrub, Evergreen.....	36.84	
31 13 13 00-0042 EA Remove 30" To 36" Shrub, Evergreen.....	52.95	
31 13 13 00-0043 EA Remove 36" To 42" Shrub, Evergreen.....	92.09	
31 13 16 Selective Tree And Shrub Trimming <small>(31 13)</small>		
31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance <small>(31 13 16)</small>		
Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	1.52	
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	2.28	
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	2.68	
31 20 Earth Moving <small>(31)</small>		
Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.		
31 23 Excavation And Fill <small>(31 20)</small>		
31 23 16 Excavation <small>(31 23)</small>		
31 23 16 13 Trenching <small>(31 23 16)</small>		
Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.		
31 23 16 13-0001 Excavation For Trenching By Machine <small>(31 23 16 13)</small>		
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0002 CY 12" Wide or Less, Excavation for Trenching by Machine in Soil.....	7.92	
<i>For Excavation In Light Material (Class A), Deduct</i>	-0.99	
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	3.17	
<i>For Up To 20, Add</i>	6.34	
<i>For >20 To 50, Add</i>	3.96	
<i>For >50 To 250, Add</i>	1.98	
<i>For >500 To 1,000, Deduct</i>	-1.19	
<i>For >1,000, Deduct</i>	-2.38	
31 23 16 13-0003 CY Over 12" Wide, Excavation for Trenching by Machine in Soil.....	5.19	
<i>For Excavation In Light Material (Class A), Deduct</i>	-0.65	
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.08	
<i>For Up To 20, Add</i>	4.15	
<i>For >20 To 50, Add</i>	2.60	
<i>For >50 To 250, Add</i>	1.30	
<i>For >500 To 1,000, Deduct</i>	-0.78	
<i>For >1,000, Deduct</i>	-1.56	
31 23 16 13-0004 CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock.....	13.11	
<i>For Up To 20, Add</i>	10.49	
<i>For >20 To 50, Add</i>	6.56	
<i>For >50 To 250, Add</i>	3.28	
<i>For >500 To 1,000, Deduct</i>	-1.97	
<i>For >1,000, Deduct</i>	-3.93	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0005 CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	9.23 7.38 4.62 2.31 -1.38 -2.77	
31 23 16 13-0006 Excavation For Trenching By Hand (31 23 16 13)		
31 23 16 13-0007 CY Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	99.72	
31 23 16 13-0008 CY Excavation For Trenching By Hand In Loose Rock Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	171.06	
31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches (31 23 16 13)		
Note: With imported or stockpiled materials.		
31 23 16 13-0010 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	2.79 2.23 1.40 0.70 -0.42 -0.84	
31 23 16 13-0011 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	27.70	
31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches (31 23 16 13)		
Note: Includes restoration of final grade.		
31 23 16 13-0013 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	5.78 4.62 2.89 1.45 -0.87 -1.73	
31 23 16 13-0014 CY Compaction of Fill or Subbase for Trenches by Hand	31.25	
31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	4.85 3.88 2.43 1.21 -0.73 -1.46	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching	73.13	
31 23 16 13-0018 Spread Excess Or Imported Material For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine	2.23	
31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep	3.47	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep.....	3.82	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep.....	5.45	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep.....	6.14	
31 23 16 13-0025 Utility Chain Trencher (31 23 16 13)		
31 23 16 13-0026 Utility Trench, Chain Trencher (31 23 16 13-0025)		
Note: Earth left adjacent to trench.		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	0.92	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.02	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.05	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.11	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.22	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.38	
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	1.67	
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.57	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.86	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	2.10	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	2.49	
31 23 16 13-0038 Backfill Trenches With Compaction (31 23 16 13-0025)		
31 23 16 13-0039 LF Backfill 4" Wide, 12" Deep Trench, With Compaction.....	0.14	
31 23 16 13-0040 LF Backfill 4" Wide, 18" Deep Trench, With Compaction.....	0.22	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 23 16 13-0041	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.30	
	31 23 16 13-0042	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.22	
	31 23 16 13-0043	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.30	
	31 23 16 13-0044	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.45	
	31 23 16 13-0045	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	0.65	
	31 23 16 13-0046	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.30	
	31 23 16 13-0047	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.45	
	31 23 16 13-0048	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.60	
	31 23 16 13-0049	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	0.90	
31 23 16 26 Rock Removal ^(31 23 16)					
31 23 16 26-0001 Rock Breaking By Machine ^(31 23 16 26)					
Note: Excludes excavation of broken-up rock.					
	31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	20.33	
	31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	21.69	
	31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	25.76	
31 23 16 33 Bulk Excavation ^(31 23 16)					
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.					
31 23 16 33-0001 Excavation ^(31 23 16 33)					
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.					
	31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	6.96	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-0.87	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.78	
			<i>For >1,000, Deduct</i>	-1.04	
	31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.19	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-0.52	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.63	
	31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	8.57	
			<i>For >1,000, Deduct</i>	-1.29	
	31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	5.15	
			<i>For >1,000, Deduct</i>	-0.77	
31 23 16 33-0006 Spreading, Shaping And Rough Grading ^(31 23 16 33)					
Note: Imported or stockpiled material for bulk excavation.					
	31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	4.30	
			<i>For >1,000, Deduct</i>	-0.65	
31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations ^(31 23 16 33)					
Note: For bulk excavation.					
	31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.77	
			<i>For >1,000, Deduct</i>	-0.72	
31 23 16 33-0010 Relocating On Site Excavated Material From Excavation ^(31 23 16 33)					
Note: For bulk excavation.					
	31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'.....	3.82	
			<i>For >1,000, Deduct</i>	-0.57	
	31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'.....	5.73	
			<i>For >1,000, Deduct</i>	-0.86	
	31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.60	
			<i>For >1,000, Deduct</i>	-1.29	
	31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	11.47	
			<i>For >1,000, Deduct</i>	-1.72	
31 23 16 33-0015 Finish Grading ^(31 23 16 33)					
Note: For bulk excavation.					
	31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine.....	0.48	
31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift ^(31 23 16 33)					
Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.					
	31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine	0.49	
			Note: Per Lift		
31 23 16 33-0019 Loading Excess Material For Removal From Excavation ^(31 23 16 33)					
Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.					
	31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation.....	4.18	
			<i>For >1,000, Deduct</i>	-0.63	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36 Excavation For Building Foundations And Other Structures <small>(31 23 16)</small>		
Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Bobcat <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Bobcat In Soil.....	6.53	
For Excavation In Light Material (Class A), Deduct		-0.82
For Excavation In Heavy/Wet Material (Class C), Add		2.61
For Up To 20, Add		6.53
For >20 To 50, Add		4.90
For >50 To 250, Add		2.61
For >250 To 500, Add		0.98
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Bobcat In Loose Rock.....	8.02	
For Up To 20, Add		8.02
For >20 To 50, Add		6.02
For >50 To 250, Add		3.21
For >250 To 500, Add		1.20
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	5.03	
For Excavation In Light Material (Class A), Deduct		-0.63
For Excavation In Heavy/Wet Material (Class C), Add		2.01
For Up To 20, Add		5.03
For >20 To 50, Add		3.77
For >50 To 250, Add		2.01
For >250 To 500, Add		0.75
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock.....	5.99	
For Up To 20, Add		5.99
For >20 To 50, Add		4.49
For >50 To 250, Add		2.40
For >250 To 500, Add		0.90
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small>		
Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil	99.72	
For Excavation In Light Material (Class A), Deduct		-12.47
For Excavation In Heavy/Wet Material (Class C), Add		39.89
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	171.06	
31 23 16 36-0011 Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'.....	3.82	
For Up To 20, Add		3.82
For >20 To 50, Add		2.87
For >50 To 250, Add		1.53
For >250 To 500, Add		0.57
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'.....	5.73	
For Up To 20, Add		5.73
For >20 To 50, Add		4.30
For >50 To 250, Add		2.29
For >250 To 500, Add		0.86
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'.....	8.60	
For Up To 20, Add		8.60
For >20 To 50, Add		6.45
For >50 To 250, Add		3.44
For >250 To 500, Add		1.29
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'.....	11.47	
For Up To 20, Add		11.47
For >20 To 50, Add		8.60
For >50 To 250, Add		4.59
For >250 To 500, Add		1.72
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small>		
Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Bobcat.....	3.18	
For Up To 20, Add		3.18
For >20 To 50, Add		2.39
For >50 To 250, Add		1.27
For >250 To 500, Add		0.48

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.90	
For Up To 20, Add	3.90	
For >20 To 50, Add	2.93	
For >50 To 250, Add	1.56	
For >250 To 500, Add	0.59	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	47.49	
31 23 16 36-0020 Compaction Of Fill Or Subbase (31 23 16 36)		
Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations And Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.16	
For Up To 20, Add	9.16	
For >20 To 50, Add	6.87	
For >50 To 250, Add	3.66	
For >250 To 500, Add	1.37	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	31.25	
31 23 16 36-0023 Grading (31 23 16 36)		
Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine	0.83	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine	1.32	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand.....	9.23	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation (31 23 16 36)		
Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.35	
For Up To 20, Add	4.35	
For >20 To 50, Add	3.26	
For >50 To 250, Add	1.74	
For >250 To 500, Add	0.65	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	73.13	
31 23 16 36-0030 Spread Material (31 23 16 36)		
Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine	2.23	
For Up To 20, Add	2.23	
For >20 To 50, Add	1.67	
For >50 To 250, Add	0.89	
For >250 To 500, Add	0.33	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand	40.36	
31 23 16 43 Mass Excavation (31 23 16)		
31 23 16 43-0001 Mass Excavation By Dozer (31 23 16 43)		
Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002 Dozing Distance Averages 150 Feet Push (31 23 16 43-0001)		
31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B) (31 23 16 43-0002)		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.12	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.13	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	7.67	
31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H) (31 23 16 43-0002)		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour.....	2.50	
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.33	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.28	
31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H) (31 23 16 43-0002)		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	1.85	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.25	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.15	
31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D) (31 23 16 43-0002)		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour.....	1.63	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.08	
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.68	
31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G) (31 23 16 43-0002)		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.09	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.35	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.76	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.24	
31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour.....	0.90	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour.....	1.10	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour.....	1.44	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour.....	1.79	
31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour.....	0.68	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour.....	0.84	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour.....	1.10	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour.....	1.37	
31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour.....	0.57	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour.....	0.70	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour.....	0.92	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour.....	1.14	
31 23 16 43-0039 Dozing Distance Averages 300 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push.....	12.28	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push.....	15.35	
31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push.....	7.50	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push.....	8.57	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push.....	10.00	
31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push.....	4.50	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push.....	5.25	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push.....	6.29	
31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push.....	3.41	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push.....	4.16	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push.....	5.35	
31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push.....	2.37	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push.....	3.11	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push.....	4.04	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push.....	5.05	
31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push.....	1.79	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push.....	2.26	
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push.....	2.88	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push.....	3.71	
31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push.....	1.30	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push.....	1.58	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push.....	2.11	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push.....	2.67	
31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push.....	1.01	
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push.....	1.27	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push.....	1.64	
31 23 16 43-0074 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push.....	2.06	
31 23 16 43-0075 Dozing Distance Averages 450 Feet Push <small>(31 23 16 43-0001)</small>		

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 23 16 43-0076	Dozer With U-Blade, 215 HP, (D-7G) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0077	BCY Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push	2.70	
31 23 16 43-0078	BCY Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push	3.36	
31 23 16 43-0079	BCY Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push	4.49	
31 23 16 43-0080	BCY Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	5.77	
31 23 16 43-0081	Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0082	BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push	2.47	
31 23 16 43-0083	BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push	3.05	
31 23 16 43-0084	BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	3.99	
31 23 16 43-0085	BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.18	
31 23 16 43-0086	Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0087	BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push	1.75	
31 23 16 43-0088	BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push	2.21	
31 23 16 43-0089	BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	2.81	
31 23 16 43-0090	BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.62	
31 23 16 43-0091	Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0092	BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push	1.51	
31 23 16 43-0093	BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push	1.86	
31 23 16 43-0094	BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.43	
31 23 16 43-0095	BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.10	
31 23 16 43-0096	Excavation By Push Loaded Scraper <small>(31 23 16 43)</small>		
	Note: Choose scraper capacity and cycle time.		
31 23 16 43-0097	Self Propelled Scraper Capacity 9 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0098	BCY Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.13	
31 23 16 43-0099	Self Propelled Scraper Capacity 16 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0100	BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.20	
31 23 16 43-0101	BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.31	
31 23 16 43-0102	BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	4.97	
31 23 16 43-0103	BCY Roadway Excavation Scraper - Soil	2.19	
31 23 16 43-0104	BCY Roadway Excavation Scraper - Sand	9.11	
31 23 16 43-0105	BCY Roadway Excavation Scraper - Rock Borrow	12.63	
31 23 16 43-0106	BCY Roadway Excavation Scraper - Rock No Borrow	8.62	
31 23 16 43-0107	Self Propelled Scraper Capacity 25 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0108	BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.44	
31 23 16 43-0109	BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.17	
31 23 16 43-0110	BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.55	
31 23 16 43-0111	Self Propelled Scraper Capacity 35 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0112	BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.10	
31 23 16 43-0113	BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.65	
31 23 16 43-0114	BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.21	
31 23 16 43-0115	Self Propelled Scraper Capacity 43 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0116	BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 9 Cycles Per Hour	0.88	
31 23 16 43-0117	BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 6 Cycles Per Hour	1.33	
31 23 16 43-0118	BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 4.5 Cycles Per Hour	1.68	
31 23 16 46	Excavation Operations To Expose Underground Pipes And Structures <small>(31 23 16)</small>		
	Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.		
31 23 16 46-0001	Excavation To Expose Underground Pipe Or Structures <small>(31 23 16 46)</small>		
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.		
31 23 16 46-0002	Excavation By Machine To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>		
31 23 16 46-0003	CY Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	10.07	
	For Excavation In Light Material (Class A), Deduct	-1.26	
	For Excavation In Heavy/Wet Material (Class C), Add	4.03	
	For Up To 20, Add	10.07	
	For >20 To 50, Add	7.55	
	For >50 To 250, Add	4.03	
	For >250 To 500, Add	1.51	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0004 CY Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	11.94	
<i>For Up To 20, Add</i>	11.94	
<i>For >20 To 50, Add</i>	8.96	
<i>For >50 To 250, Add</i>	4.78	
<i>For >250 To 500, Add</i>	1.79	
31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>		
31 23 16 46-0006 CY Excavation By Hand In Soil To Expose Underground Pipes And Structures	124.65	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 46-0007 CY Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures	186.15	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>		
Note: With imported or stockpiled materials		
31 23 16 46-0009 CY Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	7.54	
<i>For >20 To 50, Add</i>	5.66	
<i>For >50 To 250, Add</i>	3.02	
<i>For >250 To 500, Add</i>	1.13	
31 23 16 46-0010 CY Backfilling by Hand At Exposed Underground Pipes And Structures.....	56.51	
31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>		
Note: With imported or stockpiled materials		
31 23 16 46-0012 CY Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures.....	11.56	
<i>For Up To 20, Add</i>	11.56	
<i>For >20 To 50, Add</i>	8.67	
<i>For >50 To 250, Add</i>	4.62	
<i>For >250 To 500, Add</i>	1.73	
31 23 16 46-0013 CY Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures.....	37.50	
31 23 19 Dewatering <small>(31 23)</small>		
31 23 19 00-0001 Well Point Dewatering System <small>(31 23 19)</small>		
31 23 19 00-0002 Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>		
Note: Priced by linear foot of header used.		
31 23 19 00-0003 LF Up To 100' In Length Well Point System Delivery, Installation And Removal.....	95.94	
31 23 19 00-0004 LF >100' To 250' In Length Well Point System Delivery, Installation And Removal.....	52.76	
31 23 19 00-0005 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	47.96	
31 23 19 00-0006 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	43.17	
31 23 19 00-0007 LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	38.37	
31 23 19 00-0008 LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	33.58	
31 23 19 00-0009 Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>		
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010 LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	0.98	
<i>For >5 Days And <1 Month, Deduct</i>	-0.22	
<i>For >1 Month, Deduct</i>	-0.27	
31 23 19 00-0011 LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	0.57	
<i>For >5 Days And <1 Month, Deduct</i>	-0.13	
<i>For >1 Month, Deduct</i>	-0.16	
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.41	
<i>For >5 Days And <1 Month, Deduct</i>	-0.09	
<i>For >1 Month, Deduct</i>	-0.11	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.30	
<i>For >5 Days And <1 Month, Deduct</i>	-0.07	
<i>For >1 Month, Deduct</i>	-0.08	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.27	
<i>For >5 Days And <1 Month, Deduct</i>	-0.06	
<i>For >1 Month, Deduct</i>	-0.08	
31 23 19 00-0015 Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small>		
Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016 HR Operation Costs.....	82.67	
31 23 23 Fill <small>(31 23)</small>		
31 23 23 23 Compaction <small>(31 23 23)</small>		

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 23-0001	Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>	148.06
31 23 23 23-0002	MGL Compaction Water, Water Truck And Operator Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1030 for water truck when water is available on site.	

31 24 Embankments (31 20)

31 24 13 Roadway Embankments (31 24)

31 24 13 00-0001	Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>	
	Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.	

31 24 13 00-0002	Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.	

31 24 13 00-0003	Cutting, Shaping, And Rough Grading By Machine <small>(31 24 13 00-0002)</small>	
31 24 13 00-0004	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	4.77
	For Up To 20, Add	4.77
	For >20 To 50, Add	3.58
	For >50 To 250, Add	1.91
	For >250 To 500, Add	0.72
	For >1,000, Deduct	-0.72
31 24 13 00-0005	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	5.92
	For Up To 20, Add	5.92
	For >20 To 50, Add	4.44
	For >50 To 250, Add	2.37
	For >250 To 500, Add	0.89
	For >1,000, Deduct	-0.89

31 24 13 00-0006	Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>	
31 24 13 00-0007	SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	5.12
31 24 13 00-0008	SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	6.65

31 24 13 00-0009	Scarify Soil <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0010	CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	4.43
	For Up To 20, Add	2.22
	For >20 To 50, Add	1.11
	For >250 To 500, Deduct	-0.44
	For >500, Deduct	-0.89

31 24 13 00-0011	Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>	
31 24 13 00-0012	CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	8.60
	For Up To 20, Add	8.60
	For >20 To 50, Add	6.45
	For >50 To 250, Add	3.44
	For >250 To 500, Add	1.29
	For >1,000, Deduct	-1.29
31 24 13 00-0013	CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	11.47
	For Up To 20, Add	11.47
	For >20 To 50, Add	8.60
	For >50 To 250, Add	4.59
	For >250 To 500, Add	1.72
	For >1,000, Deduct	-1.72

31 24 13 00-0014	Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments.	
31 24 13 00-0015	CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments.....	5.26
	For Up To 20, Add	5.26
	For >20 To 50, Add	3.95
	For >50 To 250, Add	2.10
	For >250 To 500, Add	0.79
	For >1,000, Deduct	-0.79

31 24 13 00-0016	Grading <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0017	SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.56
31 24 13 00-0018	SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.74
31 24 13 00-0019	LF Finish Grade For Curb	0.84



Earthwork	31	13
Earth Moving	31 20	
Embankments	31 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0020 LF Finish Grade For Curb And Gutter.....	1.03	
31 24 13 00-0021 Compaction Of Fill Or Subbase (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.49	
For Up To 250, Add	0.49	
For >250 To 500, Add	0.37	
For >500 To 1,000, Add	0.20	
For >5,000, Deduct	-0.07	
31 24 13 00-0023 Loading Excess Material For Removal From Excavation (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.18	
For Up To 20, Add	4.18	
For >20 To 50, Add	3.14	
For >50 To 250, Add	1.67	
For >250 To 500, Add	0.63	
For >1,000, Deduct	-0.63	
31 25 Erosion And Sedimentation Controls (31 20)		
31 25 14 Stabilization Measures For Erosion And Sedimentation Control (31 25)		
31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)		
31 25 14 13-0001 Bonded Fiber Matrix (31 25 14 13)		
31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	36.56	
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	33.14	
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	30.24	
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied	28.59	
31 25 14 16 Rolled Erosion Control Mats And Blankets (31 25 14)		
31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)		
31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)		
31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket	1.33	
Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket.....	1.57	
Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket	1.29	
Note: As manufactured by American Excelsior		
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket	1.33	
Note: As manufactured by American Green.		
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.23	
31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket.....	1.69	
Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket.....	2.07	
Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural	1.51	
Note: As manufactured by American Excelsior.		
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green	1.55	
Note: As manufactured by American Excelsior.		
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket.....	1.62	
Note: As manufactured by American Excelsior.		
31 25 14 16-0014 Turf Reinforcement Mats (TRM) (31 25 14 16-0001) Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	8.06	
Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat	7.49	
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat	6.34	
Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018 Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave.....	1.43	

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 25 14 16-0020	Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021	SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber.....	5.70	
	Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022	SY Webbed Revegetation Mat, Polypropylene Fiber.....	8.07	
	Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23	Stabilization Measures For Erosion Control <small>(31 25 14)</small>		
	Note: Includes all erosion control blankets and turf reinforcement mats staples or stakes. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.		
31 25 14 23-0001	Sand And Gravel Bags <small>(31 25 14 23)</small>		
	Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG 50 LB Capacity Sand Bag With Sand.....	3.62	
	For >2,500 To 5,000, Deduct	-0.28	
	For >5,000, Deduct	-0.64	
31 25 14 23-0003	BAG Gravel Bag #33 With 5/16" Birdseye Gravel.....	3.86	
	For >2,500 To 5,000, Deduct	-0.28	
	For >5,000, Deduct	-0.66	
31 25 14 23-0004	BAG Bag Removal.....	1.85	
31 25 14 23-0005	Turbidity Curtain <small>(31 25 14 23)</small>		
	Note: Type 2 curtain.		
31 25 14 23-0006	LF 3' High Turbidity Curtain.....	17.25	
31 25 14 23-0007	LF 4' High Turbidity Curtain.....	18.65	
31 25 14 23-0008	LF 5' High Turbidity Curtain.....	20.58	
31 25 14 23-0009	LF 6' High Turbidity Curtain.....	22.23	
31 25 14 23-0010	LF 7' High Turbidity Curtain.....	23.33	
31 25 14 23-0011	LF 8' High Turbidity Curtain.....	24.45	
31 25 14 23-0012	LF 9' High Turbidity Curtain.....	25.72	
31 25 14 23-0013	LF 10' High Turbidity Curtain.....	27.46	
31 25 14 23-0014	LF 12' High Turbidity Curtain.....	28.85	
31 25 14 23-0015	LF 13' High Turbidity Curtain.....	30.69	
31 25 14 23-0016	LF 14' High Turbidity Curtain.....	32.42	
31 25 14 23-0017	LF 15' High Turbidity Curtain.....	34.10	
31 25 14 23-0018	LF 16' High Turbidity Curtain.....	37.04	
31 25 14 23-0019	LF 17' High Turbidity Curtain.....	38.83	
31 25 14 23-0020	LF 18' High Turbidity Curtain.....	40.60	
31 25 14 23-0021	LF 19' High Turbidity Curtain.....	42.46	
31 25 14 23-0022	LF 20' High Turbidity Curtain.....	44.29	
31 25 14 23-0023	Filter Bags <small>(31 25 14 23)</small>		
31 25 14 23-0024	Non-Woven Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0025	EA 6' x 15' Non-Woven Filter Bag.....	126.35	
31 25 14 23-0026	EA 13' x 15' Non-Woven Filter Bag.....	182.19	
31 25 14 23-0027	EA 15' x 15' Non-Woven Filter Bag.....	210.23	
31 25 14 23-0028	Monofilament Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0029	EA 5' x 15' Monofilament Filter Bag.....	131.14	
31 25 14 23-0030	EA 10' x 15' Monofilament Filter Bag.....	180.81	
31 25 14 23-0031	Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
	Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable and fill. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor.		
31 25 14 23-0032	SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	29.47	
	For Gravel Fill, Add	0.66	
	For Up To 500, Add	6.74	
	For >500 To 1,000, Add	3.80	
31 25 14 23-0033	SF 6" Open Cell Articulated Concrete Block With Earth Backfill.....	33.50	
	For Gravel Fill, Add	0.75	
	For Up To 500, Add	7.63	
	For >500 To 1,000, Add	4.28	
31 25 14 23-0034	SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	38.14	
	For Gravel Fill, Add	0.85	
	For Up To 500, Add	8.65	
	For >500 To 1,000, Add	4.84	
31 25 14 23-0035	SF 9" Open Cell Articulated Concrete Block With Earth Backfill.....	42.93	
	For Gravel Fill, Add	0.95	
	For Up To 500, Add	9.72	
	For >500 To 1,000, Add	5.43	
31 25 14 23-0036	SF 4.75" Closed Cell Articulated Concrete Block.....	31.35	
	For Up To 500, Add	7.12	
	For >500 To 1,000, Add	3.99	



Earthwork	31	15
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0037 SF 6" Closed Cell Articulated Concrete Block..... <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	35.75 8.08 4.50	
31 25 14 23-0038 SF 7.5" Closed Cell Articulated Concrete Block..... <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	40.80 9.18 5.10	
31 25 14 23-0039 SF 9" Closed Cell Articulated Concrete Block..... <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	45.97 10.33 5.73	
 31 25 14 26 Stabilization Measures For Sedimentation Control (31 25 14)		
31 25 14 26-0001 Silt Fences And Dike Barriers (31 25 14 26) <i>Note: Includes stakes, embedding and removal after use.</i>		
31 25 14 26-0002 Silt Fences 2' High (31 25 14 26-0001)		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' O.C	2.11	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' O.C	1.61	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' O.C	1.14	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' O.C.....	0.96	
31 25 14 26-0007 Silt Fences 3' High (31 25 14 26-0001)		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' O.C	2.06	
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' O.C	1.65	
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' O.C	1.11	
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' O.C.....	0.99	
31 25 14 26-0012 Silt Dike Barrier (31 25 14 26-0001)		
31 25 14 26-0013 LF Silt Dike Barrier With Stakes.....	2.24	
31 25 14 26-0014 Sediment Logs (31 25 14 26)		
31 25 14 26-0015 Sediment Logs (31 25 14 26-0014) <i>Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.</i>		
31 25 14 26-0016 LF 12" Sediment Log	9.39	
31 25 14 26-0017 LF 20" Sediment Log	11.44	
31 25 14 26-0018 Wattles (31 25 14 26-0014) <i>Note: Includes trench for placement, 24" wood staking at 4' O.C.</i>		
31 25 14 26-0019 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'	120.46	
31 25 14 26-0020 EA Wattles (Sterile Straw Filled Rolls), 12" x 18'	115.23	
31 25 14 26-0021 Hay And Straw Bales (31 25 14 26) <i>Note: Includes stakes and removal after use.</i>		
31 25 14 26-0022 LF Place And Remove Straw Bales	4.34	
31 25 14 26-0023 LF Place And Remove Hay Bales..... <i>Note: Includes securing in ground with stakes.</i>	3.95	
 31 30 Earthwork Methods (31)		
31 31 Soil Treatment (31 30)		
31 31 16 Termite Control (31 31)		
31 31 16 13 Chemical Termite Control (31 31 16)		
31 31 16 13-0001 Commercial Use (31 31 16 13)		
31 31 16 13-0002 SF Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.66	
31 31 16 13-0003 SF Termite Pretreatment, Commercial Slab And Walls.....	0.66	
 31 31 16 13-0004 Residential Use (31 31 16 13)		
31 31 16 13-0005 SF Termite Pretreatment, Residential General Spraying Walls And Slab	0.65	
31 31 16 13-0006 SF Termite Treatment, Existing Residential Structure.....	0.91	
 31 31 19 Vegetation Control (31 31)		
31 31 19 13 Chemical Vegetation Control (31 31 19)		
31 31 19 13-0001 Soil Sterilants (31 31 19 13)		

31	31 Earthwork
	31 30 Earthwork Methods
	31 31 Soil Treatment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 31 19 13-0002	MSF	Soil Sterilant.....	18.12
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
		For >45 To 90, Deduct	-0.35
		For >90 To 225, Deduct	-1.60
		For >225, Deduct	-2.29

31 32 Soil Stabilization (31 30)

31 32 13 Soil Mixing Stabilization (31 32)

31 32 13 16 Cement Soil Stabilization (31 32 13)

31 32 13 16-0001	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	27.61
31 32 13 16-0002	CY	Cementitious Soil Binder, 5% Cement Mix By Volume	29.93
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	31.73
31 32 13 16-0004	CY	Cementitious Soil Binder, 7% Cement Mix By Volume	33.97
31 32 13 16-0005	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	38.53
31 32 13 16-0006	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	45.22

31 32 13 19 Lime Soil Stabilization (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry (31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	23.13
31 32 13 19-0003	TON	Cement Stabilized Base Material	42.36
31 32 13 19-0004	CWT	Lime For Soil Stabilization	5.99
		Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	13.06
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	2.95

31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB.....	5.79
		For 4% Lime Instead Of 5%, Deduct	-0.11
		For 6% Lime Instead Of 5%, Add	0.11
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB.....	6.72
		For 4% Lime Instead Of 5%, Deduct	-0.12
		For 6% Lime Instead Of 5%, Add	0.12
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB.....	7.68
		For 4% Lime Instead Of 5%, Deduct	-0.14
		For 6% Lime Instead Of 5%, Add	0.14

31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	1.95
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31 32 19 Geosynthetic Soil Stabilization And Layer Separation (31 32)

31 32 19 13 Geogrid Soil Stabilization (31 32 19)

31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.15
		For Up To 50, Add	0.51
		For >50 To 150, Add	0.38
		For >150 To 250, Add	0.24
		For >250 To 500, Add	0.12
31 32 19 13-0003	SY	6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.45
		For Up To 50, Add	0.58
		For >50 To 150, Add	0.43
		For >150 To 250, Add	0.27
		For >250 To 500, Add	0.14
31 32 19 13-0004	SY	8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	2.66
		For Up To 50, Add	0.62
		For >50 To 150, Add	0.46
		For >150 To 250, Add	0.30
		For >250 To 500, Add	0.15
31 32 19 13-0005	SY	12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	3.78
		For Up To 50, Add	0.85
		For >50 To 150, Add	0.63
		For >150 To 250, Add	0.41
		For >250 To 500, Add	0.21



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0006	SY		14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.30	
			<i>For Up To 50, Add</i>	0.96	
			<i>For >50 To 150, Add</i>	0.71	
			<i>For >150 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.23	
31 32 19 13-0007	SY		4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.19	
			<i>For Up To 50, Add</i>	0.52	
			<i>For >50 To 150, Add</i>	0.38	
			<i>For >150 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.12	
31 32 19 13-0008	SY		5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.16	
			<i>For Up To 50, Add</i>	0.72	
			<i>For >50 To 150, Add</i>	0.53	
			<i>For >150 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.17	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY		3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.68	
			<i>For Up To 50, Add</i>	0.17	
			<i>For >50 To 150, Add</i>	0.12	
			<i>For >150 To 250, Add</i>	0.08	
			<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0003	SY		3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.73	
			<i>For Up To 50, Add</i>	0.18	
			<i>For >50 To 150, Add</i>	0.13	
			<i>For >150 To 250, Add</i>	0.08	
			<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0004	SY		4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.78	
			<i>For Up To 50, Add</i>	0.19	
			<i>For >50 To 150, Add</i>	0.14	
			<i>For >150 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0005	SY		4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.84	
			<i>For Up To 50, Add</i>	0.20	
			<i>For >50 To 150, Add</i>	0.15	
			<i>For >150 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0006	SY		6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	0.99	
			<i>For Up To 50, Add</i>	0.23	
			<i>For >50 To 150, Add</i>	0.17	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0007	SY		7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.15	
			<i>For Up To 50, Add</i>	0.27	
			<i>For >50 To 150, Add</i>	0.20	
			<i>For >150 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0008	SY		8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.26	
			<i>For Up To 50, Add</i>	0.29	
			<i>For >50 To 150, Add</i>	0.22	
			<i>For >150 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0009	SY		10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.54	
			<i>For Up To 50, Add</i>	0.35	
			<i>For >50 To 150, Add</i>	0.26	
			<i>For >150 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	

31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)

31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	0.96	
			<i>For Up To 50, Add</i>	0.23	
			<i>For >50 To 150, Add</i>	0.17	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.33	
			<i>For Up To 50, Add</i>	0.30	
			<i>For >50 To 150, Add</i>	0.22	
			<i>For >150 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0013	SY		4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	2.32	
			<i>For Up To 50, Add</i>	0.50	
			<i>For >50 To 150, Add</i>	0.37	
			<i>For >150 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.12	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0014 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	2.26	
For Up To 50, Add	0.49	
For >50 To 150, Add	0.37	
For >150 To 250, Add	0.24	
For >250 To 500, Add	0.12	
31 32 19 16-0015 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	1.98	
For Up To 50, Add	0.44	
For >50 To 150, Add	0.32	
For >150 To 250, Add	0.21	
For >250 To 500, Add	0.11	
31 32 19 16-0016 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	2.12	
For Up To 50, Add	0.46	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.11	
31 32 19 16-0017 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	2.69	
For Up To 50, Add	0.58	
For >50 To 150, Add	0.43	
For >150 To 250, Add	0.28	
For >250 To 500, Add	0.14	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF).....	3.81	
For Up To 50, Add	0.80	
For >50 To 150, Add	0.60	
For >150 To 250, Add	0.39	
For >250 To 500, Add	0.20	
31 32 19 16-0019 Geomembranes (31 32 19 16)		
31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0019)		
31 32 19 16-0021 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	0.77	
31 32 19 16-0022 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	0.89	
31 32 19 16-0023 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.06	
31 32 19 16-0024 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.26	
31 32 19 16-0025 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.44	
31 32 19 16-0026 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.57	
31 32 19 16-0027 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.69	
31 32 19 16-0028 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.87	
31 32 19 16-0029 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.04	
31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0019)		
31 32 19 16-0031 SF 20 Mil High Density Polyethylene Membrane (US Fabrics).....	0.54	
31 32 19 16-0032 SF 30 Mil High Density Polyethylene Membrane (US Fabrics).....	0.76	
31 32 19 16-0033 SF 40 Mil High Density Polyethylene Membrane (US Fabrics).....	0.89	
31 32 19 16-0034 SF 50 Mil High Density Polyethylene Membrane (US Fabrics).....	1.48	
31 32 19 16-0035 SF 60 Mil High Density Polyethylene Membrane (US Fabrics).....	1.14	
31 32 19 16-0036 SF 80 Mil High Density Polyethylene Membrane (US Fabrics).....	1.42	
31 32 19 16-0037 SF 100 Mil High Density Polyethylene Membrane (US Fabrics).....	1.69	
31 32 19 16-0038 SF 120 Mil High Density Polyethylene Membrane (US Fabrics).....	3.07	
31 32 19 16-0039 SF 140 Mil High Density Polyethylene Membrane (US Fabrics).....	3.18	
31 32 19 26 Geoweb Cellular Confinement System (31 32 19)		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems).....	4.14	
For >20,000, Deduct	-0.07	
For >2:1 Slope, Add	0.88	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems).....	4.80	
For >20,000, Deduct	-0.11	
For >2:1 Slope, Add	0.88	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems).....	5.58	
For >20,000, Deduct	-0.15	
For >2:1 Slope, Add	0.88	
31 36 Gabions (31 30)		
Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.		
31 36 00 00-0001 Stone Filled Gabion Slope Protection (31 36)		
Note: Machine placed by SY of total top face area for depth indicated.		
31 36 00 00-0002 SY 6" Deep Stone Filled Gabion Slope Protection.....	53.11	
31 36 00 00-0003 SY 9" Deep Stone Filled Gabion Slope Protection.....	62.87	
31 36 00 00-0004 SY 12" Deep Stone Filled Gabion Slope Protection.....	76.27	



Earthwork	31	15
Earthwork Methods	31 30	
Gabions	31 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 36 00 00-0005 SY 15" Deep Stone Filled Gabion Slope Protection	89.93	
31 36 00 00-0006 SY 18" Deep Stone Filled Gabion Slope Protection	105.55	
31 36 00 00-0007 SY 24" Deep Stone Filled Gabion Slope Protection	144.60	
31 36 00 00-0008 SY 36" Deep Stone Filled Gabion Slope Protection	182.91	

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone (31 37)

31 37 00 00-0002 CY 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	42.23
<i>For Chinking Material, Add</i>	13.12
31 37 00 00-0003 CY >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	48.54
<i>For Chinking Material, Add</i>	13.12
31 37 00 00-0004 CY >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	51.52
<i>For Chinking Material, Add</i>	13.12
31 37 00 00-0005 CY >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	54.90
<i>For Chinking Material, Add</i>	13.12
31 37 00 00-0006 CY >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	57.64
<i>For Chinking Material, Add</i>	13.12
31 37 00 00-0007 CY >600 LB Average Pieces Random, Dumped From Truck, Rip Rap	62.10
31 37 00 00-0008 CY 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	76.24
31 37 00 00-0009 TON 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	28.25
31 37 00 00-0010 TON >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	32.26
31 37 00 00-0011 TON >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	34.15
31 37 00 00-0012 TON >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	36.30
31 37 00 00-0013 TON >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	38.03
31 37 00 00-0014 TON >600 LB Average Pieces Random, Dumped From Truck, Rip Rap	40.90
31 37 00 00-0015 TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	51.98

31 40 Shoring And Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003 SF Wood Shoring, 8' Deep Excavation, Pull And Salvage	10.38
<i>For Wood Sheeting Left In Place</i>	-0.51
31 41 13 00-0004 SF Wood Shoring, 10' Deep Excavation, Pull And Salvage	11.21
<i>For Wood Sheeting Left In Place</i>	-0.65
31 41 13 00-0005 SF Wood Shoring, 12' Deep Excavation, Pull And Salvage	12.12
<i>For Wood Sheeting Left In Place</i>	-0.81
31 41 13 00-0006 SF Wood Shoring, 14' Deep Excavation, Pull And Salvage	13.09
<i>For Wood Sheeting Left In Place</i>	-1.00
31 41 13 00-0007 SF Wood Shoring, 16' Deep Excavation, Pull And Salvage	14.17
<i>For Wood Sheeting Left In Place</i>	-1.19
31 41 13 00-0008 SF Wood Shoring, 18' Deep Excavation, Pull And Salvage	15.32
<i>For Wood Sheeting Left In Place</i>	-1.42
31 41 13 00-0009 SF Wood Shoring, 20' Deep Excavation, Pull And Salvage	16.59
<i>For Wood Sheeting Left In Place</i>	-1.66

31 41 16 Sheet Piling (31 41)

31 41 16 13 Steel Sheet Piling (31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002 TON Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,597.08
<i>For Standard Sheeting Left In Place, Add</i>	854.68
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,217.58
<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	90.73
<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	100.81
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	312.50
<i>For Each Additional Month >3 Months, Add</i>	50.40
31 41 16 13-0003 TON Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	1,655.96
<i>For Standard Sheeting Left In Place, Add</i>	825.24
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,188.14
<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	90.73
<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	100.81
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	312.50
<i>For Each Additional Month >3 Months, Add</i>	50.40

31	Earthwork
31 40	Shoring And Underpinning
31 41	Shoring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0004 TON Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,929.74	
For Standard Sheeting Left In Place, Add	688.35	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,051.25	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73	
For High Strength Sheeting 55,000 PSI Grade, Add	100.81	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50	
For Each Additional Month >3 Months, Add	50.40	
31 41 16 13-0005 TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,193.19	
For Standard Sheeting Left In Place, Add	556.62	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	919.53	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73	
For High Strength Sheeting 55,000 PSI Grade, Add	100.81	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50	
For Each Additional Month >3 Months, Add	50.40	
31 41 16 13-0006 TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,348.16	
For Standard Sheeting Left In Place, Add	479.14	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	842.04	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73	
For High Strength Sheeting 55,000 PSI Grade, Add	100.81	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50	
For Each Additional Month >3 Months, Add	50.40	
31 41 16 13-0007 TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,506.23	
For Standard Sheeting Left In Place, Add	400.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	763.01	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.73	
For High Strength Sheeting 55,000 PSI Grade, Add	100.81	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	312.50	
For Each Additional Month >3 Months, Add	50.40	
31 45 Vibroflotation And Densification (31 40)		
31 45 13 Vibroflotation (31 45)		
31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	10.65	
31 48 Underpinning (31 40)		
31 48 33 Micropile Underpinning (31 48)		
31 48 33 00-0001 Augered Micro-Pile And Grout System (31 48 33)		
31 48 33 00-0002 EA Micro-Pile Mobilization Per Job.....	1,815.38	
31 48 33 00-0003 EA Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location	453.84	
31 48 33 00-0004 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void	227.33	
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.		
31 48 33 00-0005 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor	284.07	
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.		
31 48 33 00-0006 EA Pile Load Test.....	2,269.22	
31 50 Excavation Support And Protection (31)		
31 52 Cofferdams (31 50)		
31 52 21 Portable Cofferdams (31 52)		
31 52 21 00-0001 Cofferdam (31 52 21)		
31 52 21 00-0002 LF Portable Dam, Up To 10' Head Rental Per Month	62.53	
31 60 Special Foundations And Load-bearing Elements (31)		
31 62 Driven Piles (31 60)		
31 62 13 Concrete Piles (31 62)		
31 62 13 19 Precast Concrete Piles (31 62 13)		
31 62 13 19-0001 Tapered Friction Piles With Fluted Steel Casing Up To 50' (31 62 13 19)		
Note: With 4000 PSI concrete. Excludes reinforcing.		
31 62 13 19-0002 VLF 12" Diameter Tapered Friction Steel Pile, 7 Gauge	42.11	
For Piles Driven In Water, Add	14.53	
31 62 13 19-0003 VLF 14" Diameter Tapered Friction Steel Pile, 7 Gauge	43.31	
For Piles Driven In Water, Add	15.37	
31 62 13 19-0004 VLF 16" Diameter Tapered Friction Steel Pile, 7 Gauge	52.53	
For Piles Driven In Water, Add	17.14	
31 62 13 19-0005 VLF 18" Diameter Tapered Friction Steel Pile, 7 Gauge	60.43	
For Piles Driven In Water, Add	18.92	
31 62 13 19-0006 Constant Diameter Pile, End Bearing, With Fluted Steel Casing (31 62 13 19)		
Note: Up to 50'. Excludes reinforcing.		
31 62 13 19-0007 VLF 12" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	42.89	
For Piles Driven In Water, Add	14.60	



Earthwork	31	
Special Foundations And Load-bearing Elements	31 60	13
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 19-0008 VLF 14" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	51.74 16.22	
31 62 13 19-0009 VLF 16" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	58.44 17.73	
31 62 13 19-0010 VLF 18" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	63.56 19.24	
31 62 13 19-0011 Thin Wall Shell Straight Sided <small>(31 62 13 19)</small>		
31 62 13 19-0012 VLF 8" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	25.81 11.28 0.04	
31 62 13 19-0013 VLF 10" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	28.51 12.52 0.04	
31 62 13 19-0014 VLF 12" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	31.18 13.75 0.05	
31 62 13 19-0015 VLF 14" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	33.87 14.98 0.05	
31 62 13 19-0016 VLF 16" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	36.56 16.21 0.06	
31 62 13 23 Prestressed Concrete Piles <small>(31 62 13)</small>		
31 62 13 23-0001 Square Piles <small>(31 62 13 23)</small>		
31 62 13 23-0002 VLF 10" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	21.03 10.94	
31 62 13 23-0003 VLF 12" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	26.16 12.28	
31 62 13 23-0004 VLF 14" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	31.48 13.46	
31 62 13 23-0005 VLF 16" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	38.30 14.87	
31 62 13 23-0006 VLF 18" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	46.24 16.51	
31 62 13 23-0007 VLF 20" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	53.35 18.21	
31 62 13 23-0008 VLF 24" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	67.66 20.82	
31 62 13 23-0009 Octagonal Pile <small>(31 62 13 23)</small>		
31 62 13 23-0010 VLF 12" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	34.13 12.51	
31 62 13 23-0011 VLF 14" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	42.77 13.94	
31 62 13 23-0012 VLF 16" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	51.50 15.46	
31 62 13 23-0013 VLF 18" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	62.32 17.28	
31 62 13 23-0014 VLF 20" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	113.31 23.22	
31 62 13 23-0015 VLF 24" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	70.37 19.92	
31 62 13 23-0016 Straight Cylinder <small>(31 62 13 23)</small>		
31 62 13 23-0017 VLF 12" Diameter Prestressed Concrete Pile 2-3/8" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	25.77 11.17	
31 62 13 23-0018 VLF 14" Diameter Prestressed Concrete Pile 2-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	30.03 12.10	
31 62 13 23-0019 VLF 16" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	35.07 13.17	
31 62 13 23-0020 VLF 18" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	39.39 14.25	
31 62 13 23-0021 VLF 20" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	48.61 15.90	
31 62 13 23-0022 VLF 24" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	59.26 17.82	
31 62 16 Steel Piles <small>(31 62)</small>		
31 62 16 16 Steel H Piles <small>(31 62 16)</small>		
31 62 16 16-0001 Steel H-Section Piles <small>(31 62 16 16)</small>		
31 62 16 16-0002 VLF 8 x 8 x 36 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	39.95 13.66	
31 62 16 16-0003 VLF 10 x 10 x 42 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	45.35 14.68	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0004 VLF 10 x 10 x 57 LB/FT Driven Steel H-Section Pile Rolled Steel	57.52	
<i>For Piles Driven In Water, Add</i>	15.90	
31 62 16 16-0005 VLF 12 x 12 x 53 LB/FT Driven Steel H-Section Pile Rolled Steel	54.61	
<i>For Piles Driven In Water, Add</i>	15.91	
31 62 16 16-0006 VLF 12 x 12 x 63 LB/FT Driven Steel H-Section Pile Rolled Steel	62.72	
<i>For Piles Driven In Water, Add</i>	16.72	
31 62 16 16-0007 VLF 12 x 12 x 74 LB/FT Driven Steel H-Section Pile Rolled Steel	72.61	
<i>For Piles Driven In Water, Add</i>	18.57	
31 62 16 16-0008 VLF 12 x 12 x 84 LB/FT Driven Steel H-Section Pile Rolled Steel	80.72	
<i>For Piles Driven In Water, Add</i>	19.39	
31 62 16 16-0009 VLF 14 x 14 x 73 LB/FT Driven Steel H-Section Pile Rolled Steel	72.11	
<i>For Piles Driven In Water, Add</i>	18.80	
31 62 16 16-0010 VLF 14 x 14 x 89 LB/FT Driven Steel H-Section Pile Rolled Steel	85.90	
<i>For Piles Driven In Water, Add</i>	20.18	
31 62 16 16-0011 VLF 14 x 14 x 102 LB/FT Driven Steel H-Section Pile Rolled Steel	96.70	
<i>For Piles Driven In Water, Add</i>	22.23	
31 62 16 16-0012 VLF 14 x 14 x 117 LB/FT Driven Steel H-Section Pile Rolled Steel	109.69	
<i>For Piles Driven In Water, Add</i>	23.52	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)		
31 62 16 16-0014 EA 8" H-Section Pile Splice Rolled Steel	295.51	
31 62 16 16-0015 EA 10" H-Section Pile Splice Rolled Steel	353.14	
31 62 16 16-0016 EA 12" H-Section Pile Splice Rolled Steel	466.46	
31 62 16 16-0017 EA 14" H-Section Pile Splice Rolled Steel	495.28	
31 62 16 16-0018 EA 8" H-Section Driving Cap Rolled Steel	4,700.26	
31 62 16 16-0019 EA 10" H-Section Driving Cap Rolled Steel	4,700.26	
31 62 16 16-0020 EA 12" H-Section Driving Cap Rolled Steel	4,744.61	
31 62 16 16-0021 EA 14" H-Section Driving Cap Rolled Steel	7,193.74	
31 62 16 16-0022 EA 8" H-Section Standard Point Standard, Rolled Steel	324.33	
31 62 16 16-0023 EA 10" H-Section Standard Point Standard, Rolled Steel	353.14	
31 62 16 16-0024 EA 12" H-Section Standard Point Standard, Rolled Steel	466.46	
31 62 16 16-0025 EA 14" H-Section Standard Point Standard, Rolled Steel	552.90	
31 62 16 16-0026 EA 10" H-Section Standard Point Heavy Duty, Rolled Steel	466.46	
31 62 16 16-0027 EA 14" H-Section Standard Point Heavy Duty, Rolled Steel	608.71	
31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)		
31 62 16 19-0001 Pipe Piles, Non-Filled (31 62 16 19)		
31 62 16 19-0002 VLF 8" Diameter Non-Filled Steel Pipe Piles	25.10	
<i>For Piles Driven In Water, Add</i>	14.89	
31 62 16 19-0003 VLF 10" Diameter Non-Filled Steel Pipe Piles	27.94	
<i>For Piles Driven In Water, Add</i>	15.17	
31 62 16 19-0004 VLF 12" Diameter Non-Filled Steel Pipe Piles	31.99	
<i>For Piles Driven In Water, Add</i>	16.21	
31 62 16 19-0005 VLF 14" Diameter Non-Filled Steel Pipe Piles	34.77	
<i>For Piles Driven In Water, Add</i>	17.86	
31 62 16 19-0006 VLF 16" Diameter Non-Filled Steel Pipe Piles	38.72	
<i>For Piles Driven In Water, Add</i>	19.94	
31 62 16 19-0007 VLF 18" Diameter Non-Filled Steel Pipe Piles	46.48	
<i>For Piles Driven In Water, Add</i>	22.07	
31 62 16 19-0008 Splices And Points For Pipe Pile (31 62 16 19)		
31 62 16 19-0009 Splice (31 62 16 19-0008)		
31 62 16 19-0010 EA 8" Diameter Pipe Pile Splice Steel	185.03	
31 62 16 19-0011 EA 10" Diameter Pipe Pile Splice Steel	194.22	
31 62 16 19-0012 EA 12" Diameter Pipe Pile Splice Steel	257.00	
31 62 16 19-0013 EA 14" Diameter Pipe Pile Splice Steel	266.07	
31 62 16 19-0014 EA 16" Diameter Pipe Pile Splice Steel	315.02	
31 62 16 19-0015 EA 18" Diameter Pipe Pile Splice Steel	373.82	
31 62 16 19-0016 Standard Point (31 62 16 19-0008)		
31 62 16 19-0017 EA 8" Diameter Steel Pipe Pile Standard Point	192.39	
31 62 16 19-0018 EA 10" Diameter Steel Pipe Pile Standard Point	199.75	
31 62 16 19-0019 EA 12" Diameter Steel Pipe Pile Standard Point	224.44	
31 62 16 19-0020 EA 14" Diameter Steel Pipe Pile Standard Point	244.69	
31 62 16 19-0021 EA 16" Diameter Steel Pipe Pile Standard Point	263.10	
31 62 16 19-0022 EA 18" Diameter Steel Pipe Pile Standard Point	305.14	
31 62 16 19-0023 Heavy Duty Point (31 62 16 19-0008)		
31 62 16 19-0024 EA 10" Diameter Steel Pipe Pile Point Heavy Duty	286.01	
31 62 16 19-0025 EA 12" Diameter Steel Pipe Pile Point Heavy Duty	295.21	
31 62 16 19-0026 EA 14" Diameter Steel Pipe Pile Point Heavy Duty	328.54	
31 62 16 19-0027 EA 16" Diameter Steel Pipe Pile Point Heavy Duty	365.36	
31 62 16 19-0028 EA 18" Diameter Steel Pipe Pile Point Heavy Duty	404.06	



Earthwork	31	
Special Foundations And Load-bearing Elements	31 60	13
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 62 19 Timber Piles (31 62)

31 62 19 00-0001 Treated Wood Piles, Friction Or End Bearing 12 LB (31 62 19)

Note: Penta-treated/CF.

31 62 19 00-0002	LF 12" Butt x 8" Tip Treated Wood Piles Up To 30'	16.37
	<i>For Piles Driven In Water, Add</i>	10.23
	<i>For Untreated Pile, Deduct</i>	-2.52
	<i>For Each Pile Tip Point, Add</i>	12.50
	<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
	<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0003	LF 12" Butt x 8" Tip Treated Wood Piles 30' To 39'	17.64
	<i>For Piles Driven In Water, Add</i>	11.43
	<i>For Untreated Pile, Deduct</i>	-2.55
	<i>For Each Pile Tip Point, Add</i>	12.50
	<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
	<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0004	LF 12" Butt x 7" Tip Treated Wood Pile 40' To 49'	18.67
	<i>For Piles Driven In Water, Add</i>	12.18
	<i>For Untreated Pile, Deduct</i>	-2.67
	<i>For Each Pile Tip Point, Add</i>	12.50
	<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
	<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0005	LF 13" Butt x 7" Tip Treated Wood Pile 50' To 59'	20.41
	<i>For Piles Driven In Water, Add</i>	13.63
	<i>For Untreated Pile, Deduct</i>	-2.79
	<i>For Each Pile Tip Point, Add</i>	12.50
	<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
	<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0006	LF 13" Butt x 6" Tip Wood Pile 60' To 69'	24.39
	<i>For Piles Driven In Water, Add</i>	15.32
	<i>For Untreated Pile, Deduct</i>	-3.73
	<i>For Each Pile Tip Point, Add</i>	12.50
	<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
	<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0007	LF 13" Butt x 6" Tip Wood Pile 70' To 79'	30.07
	<i>For Piles Driven In Water, Add</i>	18.47
	<i>For Untreated Pile, Deduct</i>	-4.77
	<i>For Each Pile Tip Point, Add</i>	12.50
	<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
	<i>For Each Splice For Pile >50', Add</i>	139.40

31 62 23 Composite Piles (31 62)

31 62 23 13 Concrete-Filled Steel Piles (31 62 23)

31 62 23 13-0001 Concrete Filled Pipe Piles (31 62 23 13)

Note: All material included in cost.

31 62 23 13-0002	VLF 8" Diameter Concrete Filled Steel Pipe Piles, 29 LB/FT	27.81
	<i>For Piles Driven In Water, Add</i>	16.23
31 62 23 13-0003	VLF 10" Diameter Concrete Filled Steel Pipe Piles, 34 LB/FT	31.88
	<i>For Piles Driven In Water, Add</i>	16.93
31 62 23 13-0004	VLF 12" Diameter Concrete Filled Steel Pipe Piles, 42 LB/FT	37.55
	<i>For Piles Driven In Water, Add</i>	18.66
31 62 23 13-0005	VLF 14" Diameter Concrete Filled Steel Pipe Piles, 46 LB/FT	42.28
	<i>For Piles Driven In Water, Add</i>	21.65
31 62 23 13-0006	VLF 16" Diameter Concrete Filled Steel Pipe Piles, 52 LB/FT	46.83
	<i>For Piles Driven In Water, Add</i>	23.14
31 62 23 13-0007	VLF 18" Diameter Concrete Filled Steel Pipe Piles, 59 LB/FT	56.25
	<i>For Piles Driven In Water, Add</i>	25.58

31 63 Bored Piles (31 60)

31 63 36 Drilled Steel Piles (31 63)

31 63 36 00-0001 Drill Hole (31 63 36)

Note: Excludes removal of excess material.

31 63 36 00-0002 Mobilization (31 63 36 00-0001)

31 63 36 00-0003	EA Drilling Mobilization, >12" To 24" Diameter Hole	680.76
31 63 36 00-0004	EA Drilling Mobilization, >24" Diameter Hole	907.69

31 63 36 00-0005 Drill Hole In Soil (31 63 36 00-0001)

31 63 36 00-0006	LF 18" Hole Drilled/Auger Up To 24' Depth	39.09
31 63 36 00-0007	LF 20" Hole Drilled/Auger Up To 24' Depth	45.46
31 63 36 00-0008	LF 22" Hole Drilled/Auger Up To 24' Depth	53.41
31 63 36 00-0009	LF 24" Hole Drilled/Auger Up To 24' Depth	62.95
31 63 36 00-0010	LF 26" Hole Drilled/Auger Up To 24' Depth	68.05
31 63 36 00-0011	LF 28" Hole Drilled/Auger Up To 24' Depth	74.87
31 63 36 00-0012	LF 30" Hole Drilled/Auger Up To 24' Depth	82.00

31 63 36 00-0013 Steel H-Section Piles (31 63 36)

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 63 Bored Piles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 63 36 00-0014 Steel H-Section Piles Placed In Drilled Hole <small>(31 63 36 00-0013)</small>		
Note: Includes guides, bracing and alignment.		
31 63 36 00-0015	VLF 8 x 8 x 36 LB/FT Steel H-Section Pile Rolled Steel.....	38.62
	For >2,400 To 3,600, Deduct	-1.20
	For >3,600 To 4,800, Deduct	-2.40
	For >4,800 To 6,000, Deduct	-4.33
	For >6,000, Deduct	-6.26
31 63 36 00-0016	VLF 10 x 10 x 42 LB/FT Steel H-Section Pile Rolled Steel.....	43.96
	For >2,400 To 3,600, Deduct	-1.35
	For >3,600 To 4,800, Deduct	-2.69
	For >4,800 To 6,000, Deduct	-4.89
	For >6,000, Deduct	-7.09
31 63 36 00-0017	VLF 10 x 10 x 57 LB/FT Steel H-Section Pile Rolled Steel.....	56.13
	For >2,400 To 3,600, Deduct	-1.65
	For >3,600 To 4,800, Deduct	-3.30
	For >4,800 To 6,000, Deduct	-6.11
	For >6,000, Deduct	-8.91
31 63 36 00-0018	VLF 12 x 12 x 53 LB/FT Steel H-Section Pile Rolled Steel.....	53.17
	For >2,400 To 3,600, Deduct	-1.58
	For >3,600 To 4,800, Deduct	-3.17
	For >4,800 To 6,000, Deduct	-5.83
	For >6,000, Deduct	-8.48
31 63 36 00-0019	VLF 12 x 12 x 63 LB/FT Steel H-Section Pile Rolled Steel.....	61.28
	For >2,400 To 3,600, Deduct	-1.79
	For >3,600 To 4,800, Deduct	-3.57
	For >4,800 To 6,000, Deduct	-6.64
	For >6,000, Deduct	-9.70
31 63 36 00-0020	VLF 12 x 12 x 74 LB/FT Steel H-Section Pile Rolled Steel.....	71.06
	For >2,400 To 3,600, Deduct	-2.05
	For >3,600 To 4,800, Deduct	-4.10
	For >4,800 To 6,000, Deduct	-7.66
	For >6,000, Deduct	-11.21
31 63 36 00-0021	VLF 12 x 12 x 84 LB/FT Steel H-Section Pile Rolled Steel.....	79.17
	For >2,400 To 3,600, Deduct	-2.25
	For >3,600 To 4,800, Deduct	-4.51
	For >4,800 To 6,000, Deduct	-8.47
	For >6,000, Deduct	-12.43
31 63 36 00-0022	VLF 14 x 14 x 73 LB/FT Steel H-Section Pile Rolled Steel.....	70.52
	For >2,400 To 3,600, Deduct	-2.05
	For >3,600 To 4,800, Deduct	-4.09
	For >4,800 To 6,000, Deduct	-7.62
	For >6,000, Deduct	-11.14
31 63 36 00-0023	VLF 14 x 14 x 89 LB/FT Steel H-Section Pile Rolled Steel.....	84.31
	For >2,400 To 3,600, Deduct	-2.39
	For >3,600 To 4,800, Deduct	-4.78
	For >4,800 To 6,000, Deduct	-9.00
	For >6,000, Deduct	-13.21
31 63 36 00-0024	VLF 14 x 14 x 102 LB/FT Steel H-Section Pile Rolled Steel.....	94.99
	For >2,400 To 3,600, Deduct	-2.68
	For >3,600 To 4,800, Deduct	-5.36
	For >4,800 To 6,000, Deduct	-10.11
	For >6,000, Deduct	-14.86
31 63 36 00-0025	VLF 14 x 14 x 117 LB/FT Steel H-Section Pile Rolled Steel.....	107.98
	For >2,400 To 3,600, Deduct	-3.01
	For >3,600 To 4,800, Deduct	-6.01
	For >4,800 To 6,000, Deduct	-11.41
	For >6,000, Deduct	-16.81
31 63 36 00-0026 Welded Steel Stud Pins <small>(31 63 36 00-0013)</small>		
Note: Includes welding to steel piles.		
31 63 36 00-0027	EA 5/8" Diameter x 2-1/2" Long, Welded Stud Pins.....	10.21
	For >50 To 150, Deduct	-0.46
	For >150 To 250, Deduct	-0.95
	For >250 To 500, Deduct	-1.43
	For >500, Deduct	-1.92
31 63 36 00-0028	EA 5/8" Diameter x 5" Long, Welded Stud Pins.....	11.21
	For >50 To 150, Deduct	-0.46
	For >150 To 250, Deduct	-0.97
	For >250 To 500, Deduct	-1.48
	For >500, Deduct	-1.99
31 63 36 00-0029	EA 5/8" Diameter x 7" Long, Welded Stud Pins.....	12.18
	For >50 To 150, Deduct	-0.46
	For >150 To 250, Deduct	-1.00
	For >250 To 500, Deduct	-1.53
	For >500, Deduct	-2.07
31 63 36 00-0030	EA 3/4" Diameter x 2-1/2" Long, Welded Stud Pins.....	11.27
	For >50 To 150, Deduct	-0.48
	For >150 To 250, Deduct	-1.01
	For >250 To 500, Deduct	-1.53
	For >500, Deduct	-2.06
31 63 36 00-0031	EA 3/4" Diameter x 5" Long, Welded Stud Pins.....	12.79
	For >50 To 150, Deduct	-0.48
	For >150 To 250, Deduct	-1.05
	For >250 To 500, Deduct	-1.61
	For >500, Deduct	-2.17



Earthwork	31	
Special Foundations And Load-bearing Elements	31 60	15
Bored Piles	31 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Stud Pins.....	13.85	
For >50 To 150, Deduct	-0.48	
For >150 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.66	
For >500, Deduct	-2.25	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Stud Pins	12.57	
For >50 To 150, Deduct	-0.51	
For >150 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.64	
For >500, Deduct	-2.21	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Stud Pins.....	15.04	
For >50 To 150, Deduct	-0.51	
For >150 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.39	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Stud Pins.....	16.26	
For >50 To 150, Deduct	-0.51	
For >150 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.48	
31 63 36 00-0036 Concrete Fill <small>(31 63 36)</small>		
See CSI section 03 31 13 00-0088 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	31.50	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	35.00	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	38.50	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	42.00	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	45.50	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	49.00	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	57.69	
31 64 Caissons <small>(31 64)</small>		
31 64 13 Box Caissons <small>(31 64)</small>		
31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water <small>(31 64 13)</small>		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0002 Caisson In Stable Ground <small>(31 64 13 00-0001)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water	44.93	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	4.56	
For >100' To 150' Deep, Add	11.23	
For >150' To 200' Deep, Add	15.25	
For Right Angle Drilling, Add	11.30	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water	57.49	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	6.36	
For >100' To 150' Deep, Add	14.37	
For >150' To 200' Deep, Add	20.17	
For Right Angle Drilling, Add	12.82	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water	82.63	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	9.53	
For >100' To 150' Deep, Add	20.66	
For >150' To 200' Deep, Add	29.48	
For Right Angle Drilling, Add	17.20	
31 64 13 00-0006 VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water	110.31	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	13.11	
For >100' To 150' Deep, Add	27.58	
For >150' To 200' Deep, Add	39.83	
For Right Angle Drilling, Add	21.77	
31 64 13 00-0007 VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water	143.60	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	17.65	
For >100' To 150' Deep, Add	35.90	
For >150' To 200' Deep, Add	52.58	
For Right Angle Drilling, Add	26.51	
31 64 13 00-0008 VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water	172.36	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	21.50	
For >100' To 150' Deep, Add	43.09	
For >150' To 200' Deep, Add	63.50	
For Right Angle Drilling, Add	30.84	
31 64 13 00-0009 VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water	210.88	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	27.04	
For >100' To 150' Deep, Add	52.72	
For >150' To 200' Deep, Add	78.61	
For Right Angle Drilling, Add	35.44	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0010	VLF		60" Diameter Caisson No Casing Stable Ground, No Ground Water .....249.16 Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	32.54	
			<i>For >100' To 150' Deep, Add</i>	62.29	
			<i>For >150' To 200' Deep, Add</i>	93.62	
			<i>For Right Angle Drilling, Add</i>	40.03	
31 64 13 00-0011	VLF		66" Diameter Caisson No Casing Stable Ground, No Ground Water .....292.56 Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	38.75	
			<i>For >100' To 150' Deep, Add</i>	73.14	
			<i>For >150' To 200' Deep, Add</i>	110.60	
			<i>For Right Angle Drilling, Add</i>	45.31	
31 64 13 00-0012	VLF		72" Diameter Caisson No Casing Stable Ground, No Ground Water .....343.33 Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	46.06	
			<i>For >100' To 150' Deep, Add</i>	85.83	
			<i>For >150' To 200' Deep, Add</i>	130.53	
			<i>For Right Angle Drilling, Add</i>	51.34	
31 64 13 00-0013	VLF		78" Diameter Caisson No Casing Stable Ground, No Ground Water .....393.58 Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	53.40	
			<i>For >100' To 150' Deep, Add</i>	98.40	
			<i>For >150' To 200' Deep, Add</i>	150.39	
			<i>For Right Angle Drilling, Add</i>	56.97	
31 64 13 00-0014	VLF		84" Diameter Caisson No Casing Stable Ground, No Ground Water .....447.30 Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	61.29	
			<i>For >100' To 150' Deep, Add</i>	111.83	
			<i>For >150' To 200' Deep, Add</i>	171.67	
			<i>For Right Angle Drilling, Add</i>	62.87	
31 64 13 00-0015			For Bell Excavation And Concrete, Add <small>(31 64 13 00-0001)</small>		
31 64 13 00-0016	EA		Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY .....316.30		
			<i>For >50' To 100' Deep, Add</i>	25.68	
			<i>For >100' To 150' Deep, Add</i>	79.08	
			<i>For >150' To 200' Deep, Add</i>	99.32	
31 64 13 00-0017	EA		Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY .....1,111.91		
			<i>For >50' To 100' Deep, Add</i>	90.42	
			<i>For >100' To 150' Deep, Add</i>	277.98	
			<i>For >150' To 200' Deep, Add</i>	349.31	
31 64 13 00-0018	EA		Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY .....1,681.30		
			<i>For >50' To 100' Deep, Add</i>	138.87	
			<i>For >100' To 150' Deep, Add</i>	420.33	
			<i>For >150' To 200' Deep, Add</i>	530.87	
31 64 13 00-0019	EA		Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY .....2,333.73		
			<i>For >50' To 100' Deep, Add</i>	193.13	
			<i>For >100' To 150' Deep, Add</i>	583.43	
			<i>For >150' To 200' Deep, Add</i>	737.33	
31 64 13 00-0020	EA		Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY .....3,167.94		
			<i>For >50' To 100' Deep, Add</i>	257.56	
			<i>For >100' To 150' Deep, Add</i>	791.99	
			<i>For >150' To 200' Deep, Add</i>	995.14	
31 64 13 00-0021	EA		Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY .....3,725.05		
			<i>For >50' To 100' Deep, Add</i>	302.72	
			<i>For >100' To 150' Deep, Add</i>	931.26	
			<i>For >150' To 200' Deep, Add</i>	1,169.98	
31 64 13 00-0022	EA		Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY .....6,317.83		
			<i>For >50' To 100' Deep, Add</i>	512.41	
			<i>For >100' To 150' Deep, Add</i>	1,579.46	
			<i>For >150' To 200' Deep, Add</i>	1,983.06	
31 64 13 00-0023	EA		Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY .....9,133.20		
			<i>For >50' To 100' Deep, Add</i>	748.18	
			<i>For >100' To 150' Deep, Add</i>	2,283.30	
			<i>For >150' To 200' Deep, Add</i>	2,876.03	
31 64 13 00-0024			Caisson In Wet Ground, Casing Pulled <small>(31 64 13)</small>		
			Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025			Caisson In Wet Ground <small>(31 64 13 00-0024)</small>		
			Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026	VLF		18" Diameter Caisson Wet Ground, Casing Pulled .....49.10 Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	4.85	
			<i>For >100' To 150' Deep, Add</i>	12.28	
			<i>For >150' To 200' Deep, Add</i>	16.50	
			<i>For Right Angle Drilling, Add</i>	12.77	
31 64 13 00-0027	VLF		24" Diameter Caisson Wet Ground, Casing Pulled .....81.65 Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	8.05	
			<i>For >100' To 150' Deep, Add</i>	20.41	
			<i>For >150' To 200' Deep, Add</i>	27.42	
			<i>For Right Angle Drilling, Add</i>	21.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0028 VLF 30" Diameter Caisson Wet Ground, Casing Pulled.....	109.78	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	11.43	
For >100' To 150' Deep, Add	27.45	
For >150' To 200' Deep, Add	37.62	
For Right Angle Drilling, Add	26.71	
31 64 13 00-0029 VLF 36" Diameter Caisson Wet Ground, Casing Pulled.....	151.24	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	15.98	
For >100' To 150' Deep, Add	37.81	
For >150' To 200' Deep, Add	52.11	
For Right Angle Drilling, Add	36.09	
31 64 13 00-0030 VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	194.15	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	21.19	
For >100' To 150' Deep, Add	48.54	
For >150' To 200' Deep, Add	67.75	
For Right Angle Drilling, Add	44.20	
31 64 13 00-0031 VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	232.33	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	25.70	
For >100' To 150' Deep, Add	58.08	
For >150' To 200' Deep, Add	81.49	
For Right Angle Drilling, Add	51.83	
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	300.90	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	33.34	
For >100' To 150' Deep, Add	75.23	
For >150' To 200' Deep, Add	105.62	
For Right Angle Drilling, Add	66.95	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	368.45	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	40.89	
For >100' To 150' Deep, Add	92.11	
For >150' To 200' Deep, Add	129.41	
For Right Angle Drilling, Add	81.78	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	423.06	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	47.88	
For >100' To 150' Deep, Add	105.77	
For >150' To 200' Deep, Add	149.75	
For Right Angle Drilling, Add	90.99	
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	485.02	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	55.98	
For >100' To 150' Deep, Add	121.26	
For >150' To 200' Deep, Add	173.04	
For Right Angle Drilling, Add	100.93	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	553.81	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	64.62	
For >100' To 150' Deep, Add	138.45	
For >150' To 200' Deep, Add	198.46	
For Right Angle Drilling, Add	113.05	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	626.40	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	73.83	
For >100' To 150' Deep, Add	156.60	
For >150' To 200' Deep, Add	225.40	
For Right Angle Drilling, Add	125.55	
31 64 13 00-0038 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	361.98	
For >50' To 100' Deep, Add	28.88	
For >100' To 150' Deep, Add	90.50	
For >150' To 200' Deep, Add	113.02	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,261.05	
For >50' To 100' Deep, Add	100.86	
For >100' To 150' Deep, Add	315.26	
For >150' To 200' Deep, Add	394.05	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	1,734.66	
For >50' To 100' Deep, Add	129.49	
For >100' To 150' Deep, Add	433.67	
For >150' To 200' Deep, Add	530.48	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	2,770.10	
For >50' To 100' Deep, Add	223.68	
For >100' To 150' Deep, Add	692.53	
For >150' To 200' Deep, Add	868.24	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	3,593.00	
For >50' To 100' Deep, Add	287.31	
For >100' To 150' Deep, Add	898.25	
For >150' To 200' Deep, Add	1,122.66	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	4,225.12	
For >50' To 100' Deep, Add	337.73	
For >100' To 150' Deep, Add	1,056.28	
For >150' To 200' Deep, Add	1,320.00	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	7,167.95	
For >50' To 100' Deep, Add	571.92	
For >100' To 150' Deep, Add	1,791.99	
For >150' To 200' Deep, Add	2,238.09	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	10,347.66	
For >50' To 100' Deep, Add	833.19	
For >100' To 150' Deep, Add	2,586.92	
For >150' To 200' Deep, Add	3,240.37	
31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale ^(31 64 13)		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048 Caisson In Soft Rock ^(31 64 13 00-0047)		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	180.10	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	14.02	
For >100' To 150' Deep, Add	45.03	
For >150' To 200' Deep, Add	55.80	
For Right Angle Drilling, Add	58.62	
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	299.99	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	23.34	
For >100' To 150' Deep, Add	75.00	
For >150' To 200' Deep, Add	92.92	
For Right Angle Drilling, Add	97.69	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	452.98	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	35.46	
For >100' To 150' Deep, Add	113.25	
For >150' To 200' Deep, Add	140.58	
For Right Angle Drilling, Add	146.83	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	580.35	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	46.01	
For >100' To 150' Deep, Add	145.09	
For >150' To 200' Deep, Add	180.84	
For Right Angle Drilling, Add	186.28	
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	743.77	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	59.67	
For >100' To 150' Deep, Add	185.94	
For >150' To 200' Deep, Add	232.63	
For Right Angle Drilling, Add	236.56	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	896.45	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	72.19	
For >100' To 150' Deep, Add	224.11	
For >150' To 200' Deep, Add	280.73	
For Right Angle Drilling, Add	284.27	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,099.06	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	89.21	
For >100' To 150' Deep, Add	274.77	
For >150' To 200' Deep, Add	345.06	
For Right Angle Drilling, Add	346.31	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,300.82	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	106.15	
For >100' To 150' Deep, Add	325.21	
For >150' To 200' Deep, Add	409.12	
For Right Angle Drilling, Add	408.11	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,433.45	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	118.61	
For >100' To 150' Deep, Add	358.36	
For >150' To 200' Deep, Add	452.87	
For Right Angle Drilling, Add	444.62	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,572.81	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	132.12	
For >100' To 150' Deep, Add	393.20	
For >150' To 200' Deep, Add	499.38	
For Right Angle Drilling, Add	481.65	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,620.63	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	139.30	
For >100' To 150' Deep, Add	405.16	
For >150' To 200' Deep, Add	518.50	
For Right Angle Drilling, Add	486.44	



Earthwork	31	15
Special Foundations And Load-bearing Elements	31 60	
Caissons	31 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,932.74	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	165.27	
For >100' To 150' Deep, Add	483.19	
For >150' To 200' Deep, Add	617.30	
For Right Angle Drilling, Add	582.77	
31 64 13 00-0061 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	621.40	
For >50' To 100' Deep, Add	47.04	
For >100' To 150' Deep, Add	155.35	
For >150' To 200' Deep, Add	190.85	
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	2,186.70	
For >50' To 100' Deep, Add	165.66	
For >100' To 150' Deep, Add	546.68	
For >150' To 200' Deep, Add	671.75	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	3,276.43	
For >50' To 100' Deep, Add	250.53	
For >100' To 150' Deep, Add	819.11	
For >150' To 200' Deep, Add	1,009.41	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	4,664.94	
For >50' To 100' Deep, Add	356.32	
For >100' To 150' Deep, Add	1,166.24	
For >150' To 200' Deep, Add	1,436.70	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	6,166.54	
For >50' To 100' Deep, Add	467.46	
For >100' To 150' Deep, Add	1,541.64	
For >150' To 200' Deep, Add	1,894.72	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY.....	7,514.48	
For >50' To 100' Deep, Add	567.98	
For >100' To 150' Deep, Add	1,878.62	
For >150' To 200' Deep, Add	2,306.80	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	11,361.87	
For >50' To 100' Deep, Add	865.50	
For >100' To 150' Deep, Add	2,840.47	
For >150' To 200' Deep, Add	3,496.27	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	17,087.89	
For >50' To 100' Deep, Add	1,305.01	
For >100' To 150' Deep, Add	4,271.97	
For >150' To 200' Deep, Add	5,262.43	
31 64 13 00-0070 Caisson Setup And Removal <small>(31 64 13)</small>		
Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Remove Caisson 18" To 36" Diameter, Complete.....	2,727.08	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Remove Caisson 48" To 84" Diameter, Complete.....	3,836.30	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	1,288.46	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	1,717.95	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	107.37	
31 68 Foundation Anchors <small>(31 60)</small>		
31 68 13 Rock Foundation Anchors <small>(31 68)</small>		
31 68 13 00-0001 Materials And Placement <small>(31 68 13)</small>		
31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0003 3/4" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0004 EA 3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	115.01	
31 68 13 00-0005 EA 3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	166.03	
31 68 13 00-0006 EA 3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	204.71	
31 68 13 00-0007 EA 3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	268.08	
31 68 13 00-0008 1" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0009 EA 1" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	147.34	
31 68 13 00-0010 EA 1" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	228.19	
31 68 13 00-0011 EA 1" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	296.70	
31 68 13 00-0012 EA 1" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	389.92	
31 68 13 00-0013 1-3/8" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0014 EA 1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	247.02	
31 68 13 00-0015 EA 1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	385.02	
31 68 13 00-0016 EA 1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	510.71	
31 68 13 00-0017 EA 1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	661.07	

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 68	Foundation Anchors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 68 13 00-0018	2" Diameter <small>(31 68 13 00-0002)</small>	
31 68 13 00-0019	EA 2" Rock Bolt, 5' Hollow Core Prestressable Anchor	550.16
31 68 13 00-0020	EA 2" Rock Bolt, 10' Hollow Core Prestressable Anchor	818.73
31 68 13 00-0021	EA 2" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,074.91
31 68 13 00-0022	EA 2" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,355.82

31 68 13 00-0023	Super High-Tensile Anchors, ASTM A-108 <small>(31 68 13 00-0001)</small>	
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		

31 68 13 00-0024	3/4" Diameter <small>(31 68 13 00-0023)</small>	
31 68 13 00-0025	EA 3/4" Rock Bolt, 5' Super High-Tensile Anchor	82.30
31 68 13 00-0026	EA 3/4" Rock Bolt, 10' Super High-Tensile Anchor	109.80
31 68 13 00-0027	EA 3/4" Rock Bolt, 15' Super High-Tensile Anchor	124.90
31 68 13 00-0028	EA 3/4" Rock Bolt, 20' Super High-Tensile Anchor	163.61

31 68 13 00-0029	1" Diameter <small>(31 68 13 00-0023)</small>	
31 68 13 00-0030	EA 1" Rock Bolt, 5' Super High-Tensile Anchor	99.08
31 68 13 00-0031	EA 1" Rock Bolt, 10' Super High-Tensile Anchor	138.07
31 68 13 00-0032	EA 1" Rock Bolt, 15' Super High-Tensile Anchor	163.37
31 68 13 00-0033	EA 1" Rock Bolt, 20' Super High-Tensile Anchor	213.35

31 68 13 00-0034	1-1/4" Diameter <small>(31 68 13 00-0023)</small>	
31 68 13 00-0035	EA 1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	148.36
31 68 13 00-0036	EA 1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	208.71
31 68 13 00-0037	EA 1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	256.40
31 68 13 00-0038	EA 1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	326.80

31 68 13 00-0039	2" Diameter <small>(31 68 13 00-0023)</small>	
31 68 13 00-0040	EA 2" Rock Bolt, 5' Super High-Tensile Anchor	399.20
31 68 13 00-0041	EA 2" Rock Bolt, 10' Super High-Tensile Anchor	567.99
31 68 13 00-0042	EA 2" Rock Bolt, 15' Super High-Tensile Anchor	695.20
31 68 13 00-0043	EA 2" Rock Bolt, 20' Super High-Tensile Anchor	854.81

31 68 13 00-0044	Solid Rebar Anchors, ASTM A615 <small>(31 68 13 00-0001)</small>	
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		

31 68 13 00-0045	3/4" Diameter <small>(31 68 13 00-0044)</small>	
31 68 13 00-0046	EA 3/4" Rock Bolt, 5' Solid Rebar Anchor	76.92
31 68 13 00-0047	EA 3/4" Rock Bolt, 10' Solid Rebar Anchor	98.41
31 68 13 00-0048	EA 3/4" Rock Bolt, 15' Solid Rebar Anchor	107.54
31 68 13 00-0049	EA 3/4" Rock Bolt, 20' Solid Rebar Anchor	141.38

31 68 13 00-0050	1" Diameter <small>(31 68 13 00-0044)</small>	
31 68 13 00-0051	EA 1" Rock Bolt, 5' Solid Rebar Anchor	87.28
31 68 13 00-0052	EA 1" Rock Bolt, 10' Solid Rebar Anchor	115.56
31 68 13 00-0053	EA 1" Rock Bolt, 15' Solid Rebar Anchor	131.50
31 68 13 00-0054	EA 1" Rock Bolt, 20' Solid Rebar Anchor	172.11

31 68 13 00-0055	1-1/4" Diameter <small>(31 68 13 00-0044)</small>	
31 68 13 00-0056	EA 1-1/4" Rock Bolt, 5' Solid Rebar Anchor	128.76
31 68 13 00-0057	EA 1-1/4" Rock Bolt, 10' Solid Rebar Anchor	165.99
31 68 13 00-0058	EA 1-1/4" Rock Bolt, 15' Solid Rebar Anchor	190.94
31 68 13 00-0059	EA 1-1/4" Rock Bolt, 20' Solid Rebar Anchor	240.56

31 68 13 00-0060	Resin Anchoring With Grade 60 Rebar <small>(31 68 13 00-0001)</small>	
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		

31 68 13 00-0061	Rebar #6 <small>(31 68 13 00-0060)</small>	
31 68 13 00-0062	EA #6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	40.52
31 68 13 00-0063	EA #6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	56.33
31 68 13 00-0064	EA #6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	59.81
31 68 13 00-0065	EA #6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	81.02

31 68 13 00-0066	Rebar #8 <small>(31 68 13 00-0060)</small>	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0067 EA #8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	43.22	
31 68 13 00-0068 EA #8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	61.74	
31 68 13 00-0069 EA #8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	67.92	
31 68 13 00-0070 EA #8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	98.79	
31 68 13 00-0071 Rebar #10 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0072 EA #10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	47.08	
31 68 13 00-0073 EA #10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	69.46	
31 68 13 00-0074 EA #10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	79.50	
31 68 13 00-0075 EA #10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	114.23	
31 68 13 00-0076 Rebar #14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0077 EA #14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	56.35	
31 68 13 00-0078 EA #14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	88.00	
31 68 13 00-0079 EA #14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	107.31	
31 68 13 00-0080 EA #14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	151.31	
31 68 13 00-0081 Plastic Rebar Collars, Sizes #6-#14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0082 EA Plastic Rebar Collars For Rebar #4 To #14.....	0.64	
31 68 13 00-0083 12" Long Resin Cartridges <small>(31 68 13 00-0001)</small>		
31 68 13 00-0084 EA 7/8" Resin Cartridge 12" Long.....	1.30	
31 68 13 00-0085 EA 1" Resin Cartridge 12" Long.....	1.78	
31 68 13 00-0086 EA 1-1/16" Resin Cartridge 12" Long.....	1.91	
31 68 13 00-0087 EA 1-1/4" Resin Cartridge 12" Long.....	2.06	
31 68 13 00-0088 EA 1-3/8" Resin Cartridge 12" Long.....	2.36	
31 68 13 00-0089 EA 1-9/16" Resin Cartridge 12" Long.....	2.96	
31 68 13 00-0090 EA 1-3/4" Resin Cartridge 12" Long.....	4.07	
31 68 13 00-0091 Head Assembly <small>(31 68 13 00-0001)</small>		
31 68 13 00-0092 3/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0093 EA 3/4" Rod Head Assembly 1-5/8" Short Cone and Shell.....	16.90	
31 68 13 00-0094 EA 3/4" Rod Head Assembly 1-3/4" Short Cone and Shell.....	14.23	
31 68 13 00-0095 EA 3/4" Rod Head Assembly 1-7/8" Short Cone and Shell.....	14.93	
31 68 13 00-0096 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	26.80	
31 68 13 00-0097 EA 3/4" Rod Head Assembly 1-7/8" Long Cone and Shell.....	26.80	
31 68 13 00-0098 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	25.39	
31 68 13 00-0099 1" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0100 EA 1" Rod Head Assembly 1-5/8" Short Cone and Shell.....	18.21	
31 68 13 00-0101 EA 1" Rod Head Assembly 1-3/4" Short Cone and Shell.....	15.58	
31 68 13 00-0102 EA 1" Rod Head Assembly 1-7/8" Short Cone and Shell.....	16.28	
31 68 13 00-0103 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	28.19	
31 68 13 00-0104 EA 1" Rod Head Assembly 1-7/8" Long Cone and Shell.....	28.19	
31 68 13 00-0105 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	26.88	
31 68 13 00-0106 1-1/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0107 EA 1-1/4" Rod Head Assembly 2" Short Cone and Shell.....	40.63	
31 68 13 00-0108 EA 1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell.....	47.46	
31 68 13 00-0109 EA 1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell.....	48.14	
31 68 13 00-0110 EA 1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell.....	42.69	
31 68 13 00-0111 EA 1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell.....	49.78	
31 68 13 00-0112 1-7/8" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0113 EA 1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/FI.....	159.91	
31 68 13 00-0114 EA 1-7/8" Rod Head Assembly 3" Long Cone and Shell.....	110.24	
31 68 13 00-0115 2" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0116 EA 2" Rod Head Assembly 3-1/2" Long Cone/Shell/FI.....	159.91	
31 68 13 00-0117 EA 2" Rod Head Assembly 3" Long Cone and Shell.....	110.24	
31 68 13 00-0118 Steel Plates With Standard Hole And Washers <small>(31 68 13 00-0001)</small>		
31 68 13 00-0119 Steel Plates <small>(31 68 13 00-0118)</small>		
31 68 13 00-0120 EA 1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer.....	3.28	
31 68 13 00-0121 EA 1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	6.06	
31 68 13 00-0122 EA 3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	8.44	
31 68 13 00-0123 EA 3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	14.80	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 68 Foundation Anchors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	5.75
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	15.10
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	25.05
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	35.50
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	21.31
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	60.28
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	88.83
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	38.99
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	105.46
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	52.74
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	126.85
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	58.21
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	140.68
31 68 13 00-0137		Hardened Washers (31 68 13 00-0118)	
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	0.56
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	0.77
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	2.16
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	5.39
31 68 13 00-0142		Beveled Washers (31 68 13 00-0118)	
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	1.41
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	1.39
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	2.10
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	9.00
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	6.22
31 68 13 00-0148		Hex Nuts (31 68 13 00-0118)	
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	1.10
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	1.80
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	7.36
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	4.63
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	29.56
31 68 13 00-0154		Drilling Operation For Rockbolts (31 68 13)	
31 68 13 00-0155		Drill Holes For Rock Bolts (31 68 13 00-0154)	
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole (31 68 13 00-0155)	
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	135.32
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	255.60
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	383.40
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	460.08
31 68 13 00-0161		1" Diameter Bolt, 2" Hole (31 68 13 00-0155)	
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	176.96
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	328.63
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	460.08
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	575.09
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole (31 68 13 00-0155)	
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	191.70
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	383.40
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' Long For 1-1/4" Diameter Rock Bolt	575.09
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	766.79
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole (31 68 13 00-0155)	
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	230.04
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	460.08
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	766.79
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,150.19
31 68 13 00-0176		Tools (31 68 13)	
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental (31 68 13 00-0176)	
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	243.23
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	358.45
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	601.34
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	900.29
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	1,345.77



Earthwork	31	13
Special Foundations And Load-bearing Elements	31 60	
Foundation Anchors	31 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0183 Torque Wrenches And Ratchet Adapter, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0184 0-500 Foot Pounds (0-678J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0185 EA 1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental.....	123.55	
31 68 13 00-0186 EA Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	77.44	
31 68 13 00-0187 EA Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	201.14	
31 68 13 00-0188 0-600 Foot Pounds (0-814J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0189 EA 0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	140.27	
31 68 13 00-0190 Up To 1,000 Foot Pounds (0-1356J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0191 EA 1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	269.39	
31 68 13 00-0192 EA Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	66.44	
31 68 13 00-0193 EA Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	335.83	
31 68 13 00-0194 Torque Multiplier, 4:1 Multiplier <small>(31 68 13 00-0176)</small>		
31 68 13 00-0195 EA Torque Multiplier, 4 To 1 Ratio.....	345.02	
31 68 13 00-0196 Pneumatic Drive Torque Wrench <small>(31 68 13 00-0176)</small>		
31 68 13 00-0197 EA Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	738.26	
31 68 13 00-0198 Grouting <small>(31 68 13)</small>		
31 68 13 00-0199 Grouting With Pumps <small>(31 68 13 00-0198)</small>		
Note: Grout material and labor only.		
31 68 13 00-0200 GAL Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery.....	10.92	
31 68 13 00-0201 GAL Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery.....	16.95	
31 68 13 00-0202 GAL Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery.....	15.66	
31 68 13 00-0203 Grout Pumps, Monthly Rental <small>(31 68 13 00-0198)</small>		
31 68 13 00-0204 EA Hand Grout Pump, Monthly Rental.....	169.04	
31 68 13 00-0205 EA Air Powered Programmable Feed Grout Pump Monthly Rental.....	1,421.97	
31 68 13 00-0206 EA Air Powered, Piston Drive Grout Pump Monthly Rental.....	2,482.63	
31 68 13 00-0207 Rock Bolt Testing <small>(31 68 13)</small>		
31 68 13 00-0208 EA Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing.....	291.47	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 68	Foundation Anchors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements⁽³²⁾

32 01 11 Paving Cleaning^(32 01)

32 01 11 53 Paint Removal From Paving^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Remove 4" Wide Painted Or Epoxy Pavement Striping.....	1.61
	For Up To 250, Add	0.81
	For >250 To 1,000, Add	0.40
	For >5,000 To 10,000, Deduct	-0.24
	For >10,000 To 25,000, Deduct	-0.40
	For >25,000 To 50,000, Deduct	-0.56
	For >50,000, Deduct	-0.64
32 01 11 53-0003	LF Remove 6" Wide Painted Or Epoxy Pavement Striping.....	1.93
	For Up To 250, Add	0.97
	For >250 To 1,000, Add	0.48
	For >5,000 To 10,000, Deduct	-0.29
	For >10,000 To 25,000, Deduct	-0.48
	For >25,000 To 50,000, Deduct	-0.68
	For >50,000, Deduct	-0.77
32 01 11 53-0004	LF Remove 8" Wide Painted Or Epoxy Pavement Striping.....	2.31
	For Up To 250, Add	1.16
	For >250 To 1,000, Add	0.58
	For >5,000 To 10,000, Deduct	-0.35
	For >10,000 To 25,000, Deduct	-0.58
	For >25,000 To 50,000, Deduct	-0.81
	For >50,000, Deduct	-0.92
32 01 11 53-0005	LF Remove 12" Wide Painted Or Epoxy Pavement Striping.....	2.77
	For Up To 250, Add	1.39
	For >250 To 1,000, Add	0.69
	For >5,000 To 10,000, Deduct	-0.42
	For >10,000 To 25,000, Deduct	-0.69
	For >25,000 To 50,000, Deduct	-0.97
	For >50,000, Deduct	-1.11
32 01 11 53-0006	SF Remove Painted Or Epoxy Pavement Marking, Letters Or Symbols.....	2.77
	For Up To 250, Add	1.39
	For >250 To 1,000, Add	0.69
	For >5,000 To 10,000, Deduct	-0.42
	For >10,000 To 25,000, Deduct	-0.69
	For >25,000 To 50,000, Deduct	-0.97
	For >50,000, Deduct	-1.11
32 01 11 53-0007	LF Remove 4" Wide Thermoplastic Pavement Striping.....	2.43
	For Up To 250, Add	1.22
	For >250 To 1,000, Add	0.61
	For >5,000 To 10,000, Deduct	-0.36
	For >10,000 To 25,000, Deduct	-0.61
	For >25,000 To 50,000, Deduct	-0.85
	For >50,000, Deduct	-0.97
32 01 11 53-0008	LF Remove 6" Wide Thermoplastic Pavement Striping.....	2.87
	For Up To 250, Add	1.44
	For >250 To 1,000, Add	0.72
	For >5,000 To 10,000, Deduct	-0.43
	For >10,000 To 25,000, Deduct	-0.72
	For >25,000 To 50,000, Deduct	-1.00
	For >50,000, Deduct	-1.15
32 01 11 53-0009	LF Remove 8" Wide Thermoplastic Pavement Striping.....	3.47
	For Up To 250, Add	1.74
	For >250 To 1,000, Add	0.87
	For >5,000 To 10,000, Deduct	-0.52
	For >10,000 To 25,000, Deduct	-0.87
	For >25,000 To 50,000, Deduct	-1.21
	For >50,000, Deduct	-1.39
32 01 11 53-0010	LF Remove 12" Wide Thermoplastic Pavement Striping.....	4.15
	For Up To 250, Add	2.08
	For >250 To 1,000, Add	1.04
	For >5,000 To 10,000, Deduct	-0.62
	For >10,000 To 25,000, Deduct	-1.04
	For >25,000 To 50,000, Deduct	-1.45
	For >50,000, Deduct	-1.66
32 01 11 53-0011	SF Remove Thermoplastic Pavement Marking, Letters Or Symbols.....	4.15
	For Up To 250, Add	2.08
	For >250 To 1,000, Add	1.04
	For >5,000 To 10,000, Deduct	-0.62
	For >10,000 To 25,000, Deduct	-1.04
	For >25,000 To 50,000, Deduct	-1.45
	For >50,000, Deduct	-1.66

32 01 16 Flexible Paving Rehabilitation^(32 01)

32	Exterior Improvements
32 01	Operation And Maintenance Of Exterior Improvements
32 01 16	Flexible Paving Rehabilitation



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 16 71	Cold Milling Asphalt Pavement <small>(32 01 16)</small>	
32 01 16 71-0001	Removal Of Asphalt Surface Course <small>(32 01 16 71)</small> Note: Includes direct loading into truck.	
32 01 16 71-0002	Production Cold Milling Of Roads And Parking Areas <small>(32 01 16 71-0001)</small> Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.	
32 01 16 71-0003	SY Production Cold Milling Of Asphalt Up To 3" Depth .....2.91 For >10,000 To 25,000, Deduct .....-0.15 For >25,000, Deduct .....-0.29	
32 01 16 71-0004	SY >3" To 6" Depth, Production Cold Milling Of Asphalt .....3.89 For >10,000 To 25,000, Deduct .....-0.19 For >25,000, Deduct .....-0.39	
32 01 16 71-0005	SY >6" To 12" Depth, Production Cold Milling Of Asphalt .....5.19 For >10,000 To 25,000, Deduct .....-0.26 For >25,000, Deduct .....-0.52	
32 01 16 71-0006	SY Production Cold Milling Of Concrete Per Inch.....4.42	
32 01 16 71-0007	Limited Production Cold Milling <small>(32 01 16 71-0001)</small> Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.	
32 01 16 71-0008	SY Limited Cold Milling Of Asphalt Up To 3" Depth.....20.32 For >100 To 1,000, Deduct .....-10.16 For >1,000, Deduct .....-15.24	
32 01 16 71-0009	SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....26.91 For >100 To 1,000, Deduct .....-13.46 For >1,000, Deduct .....-20.18	
32 01 16 71-0010	SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....35.84 For >100 To 1,000, Deduct .....-17.92 For >1,000, Deduct .....-26.88	
32 01 16 71-0011	SY Limited Cold Milling Of Concrete Per Inch .....30.55	
32 01 16 71-0012	EA Replace Traffic Induction Loop .....460.49 Note: Includes saw cutting, replacement wire for 1 induction loop circuit, and sealing cut. Does not include junction box or conduit.	
32 01 16 71-0013	Grind, Leave In-Place Asphalt Grindings <small>(32 01 16 71)</small> Note: For use as subbase material, includes spreading and rolling.	
32 01 16 71-0014	SY Grind, Leave In-Place As Subbase Course, 6-9" Depth .....5.53	
32 01 16 71-0015	Wedge Grinding Cold Milling <small>(32 01 16 71)</small> Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning.	
32 01 16 71-0016	LF 5' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth.....5.65	
32 01 16 71-0017	LF 10' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth.....11.29	
32 01 16 71-0018	Cutback Ramp <small>(32 01 16 71)</small>	
32 01 16 71-0019	LF 1" Differential, 5' Length, Cutback Ramp .....8.46	
32 01 16 71-0020	LF 1-1/2" Differential, 5' Length, Cutback Ramp .....10.02	
32 01 16 71-0021	LF 2" Differential, 5' Length, Cutback Ramp .....11.46	
32 01 16 72	Asphalt Paving Reuse <small>(32 01 16)</small>	
32 01 16 72-0001	Rejuvenate, Respread Asphalt Pavement <small>(32 01 16 72)</small> Note: Includes direct loading into truck.	
32 01 16 72-0002	SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep .....8.85	
32 01 16 72-0003	SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....10.43	
32 01 16 72-0004	TON Remove, Rejuvenate, Respread Asphalt Grindings.....139.24	
32 01 16 72-0005	Reclamation, Pulverize And Blending With Existing <small>(32 01 16 72)</small> Note: Includes direct loading into truck.	
32 01 16 72-0006	SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....10.94	
32 01 16 72-0007	SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....5.47	
32 01 16 72-0008	SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....2.74	
32 01 16 72-0009	SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....2.59	
32 01 16 72-0010	SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....2.98	
32 01 16 72-0011	SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....11.94	
32 01 16 72-0012	SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....5.97	
32 01 16 72-0013	SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 72-0014 SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	13.14	
32 01 16 72-0015 SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.57	
32 01 16 72-0016 SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.28	
32 01 16 72-0017 SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.03	
32 01 16 72-0018 SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.33	
32 01 16 72-0019 SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.17	
32 01 16 72-0020 SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.58	
32 01 16 72-0021 SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.34	
32 01 16 72-0022 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,231.65	

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair (32 01 17 61)

Note: Includes sweeping and cleaning of area.

32 01 17 61-0002 LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.14	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.30	
For 1" x 1/2" Fill, Add	0.56	
For Backer Rod, Add	0.65	
32 01 17 61-0003 LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.92	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.24	
For 1" x 1/2" Fill, Add	0.46	
For Backer Rod, Add	0.59	
32 01 17 61-0004 LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.73	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.20	
For 1" x 1/2" Fill, Add	0.37	
For Backer Rod, Add	0.54	
32 01 17 61-0005 LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.63	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.17	
For 1" x 1/2" Fill, Add	0.32	
For Backer Rod, Add	0.51	
32 01 17 61-0006 LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.57	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.16	
For 1" x 1/2" Fill, Add	0.29	
For Backer Rod, Add	0.49	
32 01 17 61-0007 LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.52	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.14	
For 1" x 1/2" Fill, Add	0.27	
For Backer Rod, Add	0.47	
32 01 17 61-0008 LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.05	
32 01 17 61-0009 LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.65	
32 01 17 61-0010 LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.26	
32 01 17 61-0011 LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.11	
32 01 17 61-0012 LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.01	
32 01 17 61-0013 LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.94	
32 01 17 61-0014 LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.39	

32 01 17 63 Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

32 01 17 63-0002 EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,243.02	
32 01 17 63-0003 TON Temporary Pot Hole Repairs With Cold Mix Modified.....	377.12	
Note: Use for each ton over 3 tons.		
32 01 17 63-0004 EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,183.49	
32 01 17 63-0005 TON Temporary Pot Hole Repairs With Cold Mix.....	357.27	
Note: Use for each ton over 3 tons.		
32 01 17 63-0006 EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,153.72	
32 01 17 63-0007 TON Temporary Pot Hole Repairs With Hot Mix Modified.....	347.35	
Note: Use for each ton over 3 tons.		
32 01 17 63-0008 EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,123.95	
32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix.....	337.43	
Note: Use for each ton over 3 tons.		

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0010 Permanent Pot Hole Repair <small>(32 01 17 63)</small>		
Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.		
32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,283.84	
32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix..... Note: Use for each ton over 3 tons.	417.66	
32 01 17 63-0013 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,254.07	
32 01 17 63-0014 TON Permanent Pot Hole Repairs With Hot Mix Modified..... Note: Use for each ton over 3 tons.	407.74	
32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,224.30	
32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix..... Note: Use for each ton over 3 tons.	397.82	
32 01 17 63-0017 Asphalt Placement For Small Repairs <small>(32 01 17 63)</small>		
Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,747.63	
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	248.05	
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,688.10	
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	228.20	
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,658.33	
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	218.28	
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,628.56	
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	208.36	
32 01 17 63-0026 Grind Asphalt <small>(32 01 17 63)</small>		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area.....	16.57	
32 01 26 Rigid Paving Rehabilitation <small>(32 01)</small>		
32 01 26 71 Grooving Of Concrete Paving <small>(32 01 26)</small>		
32 01 26 71-0001 Roadway Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0002 SY Pavement Grooving, Concrete, Longitudinal.....	0.93	
32 01 26 71-0003 SY Pavement Grooving, Concrete, Transverse.....	0.70	
32 01 26 71-0004 Rumble Strips <small>(32 01 26 71)</small>		
32 01 26 71-0005 LF Safe-Strips Shoulder Rumble Strips, Asphalt.....	0.28	
32 01 26 71-0006 LF Safe-Strips Shoulder Rumble Strips, Concrete.....	0.67	
32 01 26 71-0007 Boat Ramps Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0008 SY Concrete Grooving, Boat Ramps.....	1.48	
32 01 90 Operation And Maintenance Of Planting <small>(32 01)</small>		
Note: These tasks are to be used as requested by the owner to maintain existing conditions.		
32 01 90 13 Fertilizing <small>(32 01 90)</small>		
32 01 90 13-0001 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular).....	10.82	
32 01 90 13-0002 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	7.73	
32 01 90 13-0003 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....	8.50	
32 01 90 13-0004 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	6.92	
32 01 90 19 Mowing <small>(32 01 90)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 19-0001 ACR Grass Cutting..... Note: Includes normal debris removal, cutting, trimming and disposal of waste. For <1 Acre, Add	140.48 35.12	
32 01 90 23 Pruning (32 01 90)		
32 01 90 23-0001 Tree Pruning (32 01 90 23) Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.		
32 01 90 23-0002 EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	23.73 5.34 8.31 10.68 15.82	
32 01 90 23-0003 EA Tree Pruning (Crown Cleaning), 2" Caliper..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	27.13 6.10 9.50 12.21 18.09	
32 01 90 23-0004 EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	30.52 6.87 10.68 13.73 20.35	
32 01 90 23-0005 EA Tree Pruning (Crown Cleaning), 3" Caliper..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	33.92 7.63 11.87 15.26 22.61	
32 01 90 23-0006 EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	51.54 11.60 18.04 23.19 34.36	
32 01 90 23-0007 EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	85.57 19.25 29.95 38.51 57.05	
32 01 90 23-0008 EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	90.20 20.30 31.57 40.59 60.14	
32 01 90 23-0009 EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	162.97 36.67 57.04 73.34 108.65	
32 01 90 23-0010 EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	144.43 32.50 50.55 64.99 96.29	
32 01 90 23-0011 EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment..... For Crown Thinning, Tree Pruning, Add For Crown Raising, Pruning, Add For Crown Reduction, Tree Pruning, Add For Crown Restoration, Pruning, Add	260.69 58.66 91.24 117.31 173.80	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0012 EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand	166.90	
For Crown Thinning, Tree Pruning, Add	37.55	
For Crown Raising, Pruning, Add	58.42	
For Crown Reduction, Tree Pruning, Add	75.11	
For Crown Restoration, Pruning, Add	111.27	
32 01 90 23-0013 EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment	301.47	
For Crown Thinning, Tree Pruning, Add	67.83	
For Crown Raising, Pruning, Add	105.51	
For Crown Reduction, Tree Pruning, Add	135.66	
For Crown Restoration, Pruning, Add	200.99	
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand	194.01	
For Crown Thinning, Tree Pruning, Add	43.65	
For Crown Raising, Pruning, Add	67.90	
For Crown Reduction, Tree Pruning, Add	87.30	
For Crown Restoration, Pruning, Add	129.35	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment	350.37	
For Crown Thinning, Tree Pruning, Add	78.83	
For Crown Raising, Pruning, Add	122.63	
For Crown Reduction, Tree Pruning, Add	157.67	
For Crown Restoration, Pruning, Add	233.59	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand	236.17	
For Crown Thinning, Tree Pruning, Add	53.14	
For Crown Raising, Pruning, Add	82.66	
For Crown Reduction, Tree Pruning, Add	106.28	
For Crown Restoration, Pruning, Add	157.45	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment	423.77	
For Crown Thinning, Tree Pruning, Add	95.35	
For Crown Raising, Pruning, Add	148.32	
For Crown Reduction, Tree Pruning, Add	190.70	
For Crown Restoration, Pruning, Add	282.53	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand	293.37	
For Crown Thinning, Tree Pruning, Add	66.01	
For Crown Raising, Pruning, Add	102.68	
For Crown Reduction, Tree Pruning, Add	132.02	
For Crown Restoration, Pruning, Add	195.59	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment	534.07	
For Crown Thinning, Tree Pruning, Add	120.17	
For Crown Raising, Pruning, Add	186.92	
For Crown Reduction, Tree Pruning, Add	240.33	
For Crown Restoration, Pruning, Add	356.06	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand	401.82	
For Crown Thinning, Tree Pruning, Add	90.41	
For Crown Raising, Pruning, Add	140.64	
For Crown Reduction, Tree Pruning, Add	180.82	
For Crown Restoration, Pruning, Add	267.89	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment	723.85	
For Crown Thinning, Tree Pruning, Add	162.87	
For Crown Raising, Pruning, Add	253.35	
For Crown Reduction, Tree Pruning, Add	325.73	
For Crown Restoration, Pruning, Add	482.59	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand	637.48	
For Crown Thinning, Tree Pruning, Add	143.43	
For Crown Raising, Pruning, Add	223.12	
For Crown Reduction, Tree Pruning, Add	286.87	
For Crown Restoration, Pruning, Add	425.01	
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment	1,164.07	
For Crown Thinning, Tree Pruning, Add	261.92	
For Crown Raising, Pruning, Add	407.42	
For Crown Reduction, Tree Pruning, Add	523.83	
For Crown Restoration, Pruning, Add	776.09	
32 01 90 23-0024 EA Trim Mexican Palm Tree	71.91	
32 01 90 23-0025 EA Trim Date Palm Tree	162.26	
32 01 90 23-0026 LF Skin Palm Tree	18.44	
32 01 90 23-0027 Shrub Pruning <small>(32 01 90 23)</small>		
32 01 90 23-0028 MSF Shrub Pruning, Prune, Shrub Bed	77.28	
32 01 90 23-0029 EA Shrub Pruning, Prune, Shrub Under 3' Height	2.71	
32 01 90 23-0030 EA Shrub Pruning, Prune, Shrub 4' Height	6.10	
32 01 90 23-0031 EA Shrub Pruning, Prune, Shrub Over 6'	10.85	
32 01 90 23-0032 EA Shrub Pruning, Prune Trees From Ground	27.13	
32 01 90 23-0033 EA Shrub Pruning, Prune Trees From Ground, High Work	67.83	
32 01 90 23-0034 Root Pruning <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0035 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	13.56	
32 01 90 23-0036 EA Root Pruning, One Side Of 2" Caliper Tree	16.96	
32 01 90 23-0037 EA Root Pruning, One Side Of 2-1/2" Caliper Tree	20.35	
32 01 90 23-0038 EA Root Pruning, One Side Of 3" Caliper Tree	27.13	
32 01 90 23-0039 EA Root Pruning, One Side Of 4" Caliper Tree	40.69	
32 01 90 23-0040 EA Root Pruning, One Side Of 6" Caliper Tree	50.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0041 EA Root Pruning, One Side Of 9" Caliper Tree	71.21	
32 01 90 23-0042 EA Root Pruning, One Side Of 12" Caliper Tree	81.40	
32 01 90 23-0043 EA Root Pruning, One Side Of 18" Caliper Tree	94.96	
32 01 90 23-0044 EA Root Pruning, One Side Of 24" Caliper Tree	118.69	
32 01 90 23-0045 EA Root Pruning, One Side Of 30" Caliper Tree	145.83	
32 01 90 23-0046 EA Root Pruning, One Side Of 36" Caliper Tree	169.57	
32 01 90 23-0047 EA Root Pruning, One Side Of 48" Caliper Tree	203.48	
32 01 90 26 Watering <small>(32 01 90)</small>		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001 Watering Lawns, Plants And Trees <small>(32 01 90 26)</small>		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002 MSF Watering Sod/Grass, Per Inch Of Water	28.47	
32 01 90 26-0003 CSF Watering Groundcover.....	4.62	
32 01 90 26-0004 CSF Watering Annuals And Perennials	8.51	
32 01 90 26-0005 EA Watering Trees, 1" To 5" Diameter By Hand	8.59	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand	11.48	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand	14.51	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand.....	17.20	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand.....	7.51	
32 01 90 36 Weed And Brush Control <small>(32 01 90)</small>		
32 01 90 36-0001 MSF Non-Selective Post Emergent Weed Herbicide	5.75	
For >45 To 90, Deduct		-0.26
For >90 To 225, Deduct		-0.81
For >225, Deduct		-1.34
32 01 90 36-0002 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide.....	6.15	
For >45 To 90, Deduct		-0.26
For >90 To 225, Deduct		-0.83
For >225, Deduct		-1.36
32 01 90 36-0003 MSF Selective Weed Herbicide.....	6.04	
Note: Includes pre and post emergents.		
For >45 To 90, Deduct		-0.26
For >90 To 225, Deduct		-0.83
For >225, Deduct		-1.35
32 01 90 36-0004 MSF Selective Woody Brush And Tree Herbicide.....	6.26	
Note: Includes pre and post emergents.		
For >45 To 90, Deduct		-0.26
For >90 To 225, Deduct		-0.84
For >225, Deduct		-1.37
32 01 90 39 Pesticides <small>(32 01 90)</small>		
32 01 90 39-0001 MSF Pesticide - Surface Eating.....	8.09	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating.....	8.13	
32 01 90 39-0003 MSF Pesticide - Fungicide Application.....	8.86	
32 01 90 43 Weed And Cultivate Beds <small>(32 01 90)</small>		
32 01 90 43-0001 MSF Weed Mulched Bed	33.24	
32 01 90 43-0002 MSF Weed Unmulched Bed.....	94.97	
32 01 90 43-0003 MSF Cultivate Bed	51.14	
32 01 90 46 Hedge Trimming <small>(32 01 90)</small>		
32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide.....	4.06	
32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide.....	6.09	
32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide.....	9.22	
32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide.....	9.40	
32 01 90 49 Turf And Fence Spray <small>(32 01 90)</small>		
32 01 90 49-0001 ACR Turf Spray, Machine	287.17	
32 01 90 49-0002 CLF Fence Spray, Hand.....	36.76	
32 01 90 53 Plant Growth Regulator Application <small>(32 01 90)</small>		
32 01 90 53-0001 EA Plant Growth Regulator Application	4.71	

32 10 Bases, Ballasts, And Paving (32)

32 11 Base Courses (32 10)

32 11 16 Subbase Courses (32 11)

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 11	Base Courses



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 11 16 16 Aggregate Subbase Courses (32 11 16)

32 11 16 16-0001	Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)	
	Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.	
32 11 16 16-0002	Base And Subbase Courses By The CY (32 11 16 16-0001)	
32 11 16 16-0003	CY Class II Base Course	60.37
32 11 16 16-0004	CY Class III Base Course	61.26

32 11 23 Aggregate Base Courses (32 11)

32 11 23 16 Aggregate Base Courses (32 11 23)

32 11 23 16-0001	Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)	
	Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.	
32 11 23 16-0002	SF 2" Crushed Aggregate Base Course	0.41
	For Up To 1,000, Add	0.11
	For >1,000 To 2,500, Add	0.04
32 11 23 16-0003	SF 3" Crushed Aggregate Base Course	0.59
	For Up To 1,000, Add	0.17
	For >1,000 To 2,500, Add	0.06
32 11 23 16-0004	SF 4" Crushed Aggregate Base Course	0.76
	For Up To 1,000, Add	0.21
	For >1,000 To 2,500, Add	0.08
32 11 23 16-0005	SF 5" Crushed Aggregate Base Course	0.98
	For Up To 1,000, Add	0.28
	For >1,000 To 2,500, Add	0.10
32 11 23 16-0006	SF 6" Crushed Aggregate Base Course	1.19
	For Up To 1,000, Add	0.33
	For >1,000 To 2,500, Add	0.12
32 11 23 16-0007	SF 7" Crushed Aggregate Base Course	1.37
	For Up To 1,000, Add	0.39
	For >1,000 To 2,500, Add	0.14
32 11 23 16-0008	SF 8" Crushed Aggregate Base Course	1.57
	For Up To 1,000, Add	0.44
	For >1,000 To 2,500, Add	0.16

32 11 26 Asphaltic Base Courses (32 11)

32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)

32 11 26 19-0001	Bituminous-Stabilized Base Courses (32 11 26 19)	
32 11 26 19-0002	CY Bituminous Stabilized Base Course	76.32
	Note: 3/4" ASTM C33.	

32 12 Flexible Paving (32 10)

32 12 13 Preparatory Coats (32 12)

32 12 13 13 Tack Coats (32 12 13)

32 12 13 13-0001	SY Tack Coat, 0.1 Gallon/SY	0.60
	For Up To 150, Add	0.12
	For >150 To 300, Add	0.06
	For >300 To 500, Add	0.03
	For >3,500 To 5,000, Deduct	-0.02
	For >5,000, Deduct	-0.04

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001	SY Surface Prime Coat, 0.28 Gallon/SY	1.08
	For Up To 150, Add	0.24
	For >150 To 300, Add	0.11
	For >300 To 500, Add	0.05
	For >3,500 To 5,000, Deduct	-0.03
	For >5,000, Deduct	-0.07

32 12 16 Asphalt Paving (32 12)

32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

32 12 16 13-0001	Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)	
	Note: Meets Caltran requirements.	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0002	TON			Bituminous Hot Mix Intermediate Course 3,954 LB/CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	106.93	
				<i>For PG64-10 Asphalt, Add</i>	13.05	
				<i>For >500 To 1,000, Deduct</i>	-4.67	
				<i>For >1,000 To 2,500, Deduct</i>	-8.46	
				<i>For >2,500 To 5,000, Deduct</i>	-13.13	
				<i>For >5,000, Deduct</i>	-18.82	
				<i>For Warm Mix Additive, Add</i>	5.66	
32 12 16 13-0003	SY			1" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	6.22	
				<i>For PG64-10 Asphalt, Add</i>	0.72	
				<i>For >10,000 To 20,000, Deduct</i>	-0.27	
				<i>For >20,000 To 50,000, Deduct</i>	-0.49	
				<i>For >50,000 To 100,000, Deduct</i>	-0.76	
				<i>For >100,000, Deduct</i>	-1.09	
32 12 16 13-0004	SY			1-1/2" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	9.18	
				<i>For PG64-10 Asphalt, Add</i>	1.08	
				<i>For >7,000 To 14,000, Deduct</i>	-0.40	
				<i>For >14,000 To 32,000, Deduct</i>	-0.73	
				<i>For >32,000 To 64,000, Deduct</i>	-1.12	
				<i>For >64,000, Deduct</i>	-1.61	
32 12 16 13-0005	SY			2" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	12.11	
				<i>For PG64-10 Asphalt, Add</i>	1.43	
				<i>For >5,000 To 10,000, Deduct</i>	-0.53	
				<i>For >10,000 To 24,000, Deduct</i>	-0.96	
				<i>For >24,000 To 48,000, Deduct</i>	-1.49	
				<i>For >48,000, Deduct</i>	-2.14	
32 12 16 13-0006	SY			2-1/2" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	14.70	
				<i>For PG64-10 Asphalt, Add</i>	1.79	
				<i>For >4,000 To 8,000, Deduct</i>	-0.65	
				<i>For >8,000 To 20,000, Deduct</i>	-1.19	
				<i>For >20,000 To 40,000, Deduct</i>	-1.84	
				<i>For >40,000, Deduct</i>	-2.64	
32 12 16 13-0007	SY			3" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	17.32	
				<i>For PG64-10 Asphalt, Add</i>	2.15	
				<i>For >3,000 To 6,000, Deduct</i>	-0.78	
				<i>For >6,000 To 16,000, Deduct</i>	-1.41	
				<i>For >16,000 To 32,000, Deduct</i>	-2.19	
				<i>For >32,000, Deduct</i>	-3.14	
32 12 16 13-0008	SY			3-1/2" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	20.17	
				<i>For PG64-10 Asphalt, Add</i>	2.51	
				<i>For >2,800 To 5,600, Deduct</i>	-0.91	
				<i>For >5,600 To 14,000, Deduct</i>	-1.64	
				<i>For >14,000 To 28,000, Deduct</i>	-2.55	
				<i>For >28,000, Deduct</i>	-3.65	
32 12 16 13-0009	SY			4" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	23.09	
				<i>For PG64-10 Asphalt, Add</i>	2.87	
				<i>For >2,500 To 5,000, Deduct</i>	-1.04	
				<i>For >5,000 To 12,000, Deduct</i>	-1.88	
				<i>For >12,000 To 24,000, Deduct</i>	-2.91	
				<i>For >24,000, Deduct</i>	-4.18	
32 12 16 13-0010	SY			5" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	28.83	
				<i>For PG64-10 Asphalt, Add</i>	3.58	
				<i>For >2,000 To 3,900, Deduct</i>	-1.29	
				<i>For >3,900 To 10,000, Deduct</i>	-2.35	
				<i>For >10,000 To 20,000, Deduct</i>	-3.64	
				<i>For >20,000, Deduct</i>	-5.22	
32 12 16 13-0011	SY			6" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	34.64	
				<i>For PG64-10 Asphalt, Add</i>	4.30	
				<i>For >1,600 To 3,200, Deduct</i>	-1.55	
				<i>For >3,200 To 8,000, Deduct</i>	-2.82	
				<i>For >8,000 To 16,000, Deduct</i>	-4.37	
				<i>For >16,000, Deduct</i>	-6.27	
32 12 16 13-0012				Surface Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>		
				Note: Meets Caltran requirements.		
32 12 16 13-0013	TON			Bituminous Hot Mix Surface Course 3954 LB/CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	111.91	
				<i>For PG64-10 Asphalt, Add</i>	6.53	
				<i>For >500 To 1,000, Deduct</i>	-4.75	
				<i>For >1,000 To 2,500, Deduct</i>	-8.62	
				<i>For >2,500 To 5,000, Deduct</i>	-13.37	
				<i>For >5,000, Deduct</i>	-19.18	
				<i>For Warm Mix Additive, Add</i>	5.66	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 12 Flexible Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0014	TON		Asphalt Rubberized Hot Mix (ARHM) Surface Course..... Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	132.60	
			<i>For Warm Mix Additive, Add</i>	6.73	
32 12 16 13-0015	SY		1" Thick Surface Course..... Note: Includes placement, rolling, finishing and sweeping.	6.36	
			<i>For PG64-10 Asphalt, Add</i>	0.34	
			<i>For >10,000 To 20,000, Deduct</i>	-0.26	
			<i>For >20,000 To 50,000, Deduct</i>	-0.48	
			<i>For >50,000 To 100,000, Deduct</i>	-0.75	
			<i>For >100,000, Deduct</i>	-1.07	
32 12 16 13-0016	SY		1-1/2" Thick Surface Course..... Note: Includes placement, rolling, finishing and sweeping.	9.36	
			<i>For PG64-10 Asphalt, Add</i>	0.51	
			<i>For >7,000 To 14,000, Deduct</i>	-0.39	
			<i>For >14,000 To 32,000, Deduct</i>	-0.72	
			<i>For >32,000 To 64,000, Deduct</i>	-1.11	
			<i>For >64,000, Deduct</i>	-1.59	
32 12 16 13-0017	SY		2" Thick Surface Course..... Note: Includes placement, rolling, finishing and sweeping.	12.32	
			<i>For PG64-10 Asphalt, Add</i>	0.68	
			<i>For >5,000 To 10,000, Deduct</i>	-0.52	
			<i>For >10,000 To 24,000, Deduct</i>	-0.95	
			<i>For >24,000 To 48,000, Deduct</i>	-1.47	
			<i>For >48,000, Deduct</i>	-2.11	
32 12 16 13-0018	SY		2-1/2" Thick Surface Course..... Note: Includes placement, rolling, finishing and sweeping.	14.85	
			<i>For PG64-10 Asphalt, Add</i>	0.86	
			<i>For >4,000 To 8,000, Deduct</i>	-0.64	
			<i>For >8,000 To 20,000, Deduct</i>	-1.16	
			<i>For >20,000 To 40,000, Deduct</i>	-1.80	
			<i>For >40,000, Deduct</i>	-2.59	
32 12 16 13-0019	SY		3" Thick Surface Course..... Note: Includes placement, rolling, finishing and sweeping.	17.41	
			<i>For PG64-10 Asphalt, Add</i>	1.03	
			<i>For >3,000 To 6,000, Deduct</i>	-0.76	
			<i>For >6,000 To 16,000, Deduct</i>	-1.38	
			<i>For >16,000 To 32,000, Deduct</i>	-2.14	
			<i>For >32,000, Deduct</i>	-3.07	
32 12 16 13-0020			Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0021	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY..... Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	253.89	
32 12 16 13-0022			AC Dikes (32 12 16 13) See CSI section 32 11 23 16-0001 for base course.		
32 12 16 13-0023	LF		Type A, Asphalt Concrete Dike..... <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	9.65 4.46 1.30 -0.82 -1.30	4.08
32 12 16 13-0024	LF		Type C, Asphalt Concrete Dike..... <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	8.59 4.19 1.25 -0.82 -1.25	4.08
32 12 16 13-0025	LF		Type D, Asphalt Concrete Dike..... <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	11.39 4.89 1.39 -0.82 -1.39	4.08
32 12 16 13-0026	LF		Type E, Asphalt Concrete Dike..... <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	9.61 4.45 1.30 -0.82 -1.30	4.08
32 12 16 13-0027	LF		Type F, Asphalt Concrete Dike..... <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	8.90 4.27 1.26 -0.82 -1.26	4.08
32 12 16 13-0028			Ditch Lining (32 12 16 13)		
32 12 16 13-0029	SY		4" Concrete Ditch Pavement.....	45.24	
32 12 16 13-0030	SY		4" Asphalt Ditch Pavement.....	35.00	
32 12 16 13-0031	SY		4" Soil-Cement Ditch Pavement.....	5.23	
32 12 16 13-0032	SY		4" Rip-Rap Ditch Pavement.....	5.88	
32 12 16 19			Cold-Mix Asphalt Paving (32 12 16)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement <small>(32 12 16 19)</small>		
<i>Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.</i>		
32 12 16 19-0002 SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	9.82	
32 12 16 19-0003 SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	9.59	
32 12 16 19-0004 SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	15.94	
32 12 16 39 Fabrics <small>(32 12 16)</small>		
<i>See CSI section 31 32 19 16-0000 for geotextile fabric.</i>		
32 12 16 39-0001 SY 3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.78	
<i>For Up To 50, Add</i>		
<i>For >50 To 150, Add</i>		
<i>For >150 To 250, Add</i>		
<i>For >250 To 500, Add</i>		
32 12 16 39-0002 SY 4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.84	
<i>For Up To 50, Add</i>		
<i>For >50 To 150, Add</i>		
<i>For >150 To 250, Add</i>		
<i>For >250 To 500, Add</i>		
32 12 16 43 Waterproofing Membranes <small>(32 12 16)</small>		
32 12 16 43-0001 Waterproofing Membranes <small>(32 12 16 43)</small>		
32 12 16 43-0002 SY Up To 500 SY, Preformed Rubberized Asphalt Membrane	27.61	
32 12 16 43-0003 SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	20.68	
32 12 16 43-0004 SY >1,000 SY, Preformed Rubberized Asphalt Membrane.....	12.82	
32 12 33 Flexible Paving Surface Treatments <small>(32 12)</small>		
32 12 33 00-0001 Bituminous Surface Treatment For Roadways <small>(32 12 33)</small>		
<i>Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.</i>		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	2.39	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	4.31	
32 12 33 00-0004 Bituminous Surface Treatment For Trails <small>(32 12 33)</small>		
<i>Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.</i>		
32 12 33 00-0005 SY Bituminous Surface Treatment, For Trails	1.66	
32 12 36 Seal Coats <small>(32 12)</small>		
32 12 36 00-0001 Asphalt Seal Coating, For Roads And Parking Lot <small>(32 12 36)</small>		
<i>Note: Includes sweeping and cleaning of area.</i>		
32 12 36 00-0002 SY Asphalt Seal Coating Minimum.....	358.08	
<i>Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.</i>		
32 12 36 00-0003 SY Up To 500 SY, Type II Slurry Seal Asphalt Coating.....	5.72	
<i>Note: 1/4" thick, 14 to 18 Lbs/SY.</i>		
<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>		
<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>		
<i>For Latex Modified Asphalt Emulsion, Add</i>		
32 12 36 00-0004 SY >500 To 1,000 SY, Type II Slurry Seal Asphalt Coating	4.62	
<i>Note: 1/4" thick, 14 to 18 Lbs/SY.</i>		
<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>		
<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>		
<i>For Latex Modified Asphalt Emulsion, Add</i>		
32 12 36 00-0005 SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating	3.70	
<i>Note: 1/4" thick, 14 to 18 Lbs/SY.</i>		
<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>		
<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>		
<i>For Latex Modified Asphalt Emulsion, Add</i>		
32 12 36 00-0006 SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating	2.98	
<i>Note: 1/4" thick, 14 to 18 Lbs/SY.</i>		
<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>		
<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>		
<i>For Latex Modified Asphalt Emulsion, Add</i>		
32 12 36 00-0007 SY >20,000 SY, Type II Slurry Seal Asphalt Coating	2.50	
<i>Note: 1/4" thick, 14 to 18 Lbs/SY.</i>		
<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>		
<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>		
<i>For Latex Modified Asphalt Emulsion, Add</i>		
32 12 36 00-0008 SY Up To 500 SY, Type III Slurry Seal Asphalt Coating.....	6.57	
<i>Note: 3/8" thick, 25 to 30 Lbs/SY.</i>		
<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>		
<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>		
<i>For Latex Modified Asphalt Emulsion, Add</i>		
32 12 36 00-0009 SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating	5.43	
<i>Note: 3/8" thick, 25 to 30 Lbs/SY.</i>		
<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>		
<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>		
<i>For Latex Modified Asphalt Emulsion, Add</i>		

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 12 Flexible Paving



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0010	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating	4.29	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48	
		For Latex Modified Asphalt Emulsion, Add	0.36	
32 12 36 00-0011	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating	3.48	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.31	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.41	
		For Latex Modified Asphalt Emulsion, Add	0.31	
32 12 36 00-0012	SY	>20,000 SY, Type III Slurry Seal Asphalt Coating	2.93	
		Note: 3/8" thick, 25 to 30 Lbs/SY.		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.26	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.36	
		For Latex Modified Asphalt Emulsion, Add	0.26	
32 12 36 00-0013	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.38	
32 12 36 00-0014	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.48	
32 12 36 00-0015	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	3.61	
32 12 36 00-0016	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.96	
32 12 36 00-0017	SY	>20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.50	
32 12 36 00-0018	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	6.17	
32 12 36 00-0019	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	5.27	
32 12 36 00-0020	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	4.32	
32 12 36 00-0021	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.60	
32 12 36 00-0022	SY	>20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.07	
32 12 36 00-0023		Water Based Emulsion Sealer <small>(32 12 36)</small>		
		Note: Includes sweeping and cleaning of area.		
32 12 36 00-0024	SF	Up To 5,000 SF Water Based Emulsion Sealer, For Asphalt, First Coat	0.37	
		For Additional Coats, Add	0.20	
32 12 36 00-0025	SF	>5,000 To 10,000 SF Water Based Emulsion Sealer, For Asphalt, First Coat	0.30	
		For Additional Coats, Add	0.16	
32 12 36 00-0026	SF	>10,000 SF Water Based Emulsion Sealer, For Asphalt, First Coat	0.23	
		For Additional Coats, Add	0.13	
32 12 36 00-0027		Sand Sealer <small>(32 12 36)</small>		
		Note: To be added to Slurry Seal.		
32 12 36 00-0028	SY	Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion	2.29	
32 12 36 00-0029	SY	>200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion	1.73	
32 12 36 00-0030	SY	>500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion	1.53	
32 12 36 00-0031	SY	>1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion	1.16	
32 12 36 00-0032	SY	>4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	1.07	
32 12 36 00-0033	SY	>7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.97	
32 12 36 00-0034	SY	>16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.91	
32 12 36 00-0035		Fog Sealer <small>(32 12 36)</small>		
32 12 36 00-0036	SY	Up To 200 SY Fog Seal, SS-1H	2.04	
32 12 36 00-0037	SY	>200 To 500 SY Fog Seal, SS-1H	1.47	
32 12 36 00-0038	SY	>500 To 1,100 SY Fog Seal, SS-1H	1.27	
32 12 36 00-0039	SY	>1,100 To 4,400 SY Fog Seal, SS-1H	0.91	
32 12 36 00-0040	SY	>4,400 To 7,800 SY Fog Seal, SS-1H	0.81	
32 12 36 00-0041	SY	>7,800 To 16,700 SY Fog Seal, SS-1H	0.72	
32 12 36 00-0042	SY	>16,700 SY Fog Seal, SS-1H	0.64	
32 12 36 00-0043		Asphalt Emulsion Sealers (Chip Seal) <small>(32 12 36)</small>		
32 12 36 00-0044		Fine Screenings Seal Coat <small>(32 12 36 00-0043)</small>		
		Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0045	SY	Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.78	
32 12 36 00-0046	SY	>200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.15	
32 12 36 00-0047	SY	>500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.93	
32 12 36 00-0048	SY	>1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.55	
32 12 36 00-0049	SY	>4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.44	
32 12 36 00-0050	SY	>7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.32	
32 12 36 00-0051	SY	>16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.25	
32 12 36 00-0052		Medium Fine Screenings Seal Coat <small>(32 12 36 00-0043)</small>		
		Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0053	SY	Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.11	
32 12 36 00-0054	SY	>200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.44	
32 12 36 00-0055	SY	>500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.21	
32 12 36 00-0056	SY	>1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.81	
32 12 36 00-0057	SY	>4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.69	
32 12 36 00-0058	SY	>7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.57	
32 12 36 00-0059	SY	>16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0060			Medium Screenings Seal Coat <small>(32 12 36 00-0043)</small> Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0061	SY		Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.22	
32 12 36 00-0062	SY		>200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.54	
32 12 36 00-0063	SY		>500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.30	
32 12 36 00-0064	SY		>1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.90	
32 12 36 00-0065	SY		>4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.77	
32 12 36 00-0066	SY		>7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.65	
32 12 36 00-0067	SY		>16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.57	
32 12 36 00-0068			Course Screenings Seal Coat <small>(32 12 36 00-0043)</small> Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0069	SY		Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	3.30	
32 12 36 00-0070	SY		>200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.61	
32 12 36 00-0071	SY		>500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.37	
32 12 36 00-0072	SY		>1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.96	
32 12 36 00-0073	SY		>4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.84	
32 12 36 00-0074	SY		>7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.71	
32 12 36 00-0075	SY		>16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.62	
32 12 36 00-0076			Double Screenings Seal Coat <small>(32 12 36 00-0043)</small> Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0077	SY		Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	5.06	
32 12 36 00-0078	SY		>200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	4.02	
32 12 36 00-0079	SY		>500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.67	
32 12 36 00-0080	SY		>1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.06	
32 12 36 00-0081	SY		>4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.86	
32 12 36 00-0082	SY		>7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.70	
32 12 36 00-0083	SY		>16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.54	
32 12 36 00-0084			Seal Coat With Sand And Latex <small>(32 12 36)</small>		
32 12 36 00-0085	SF		Up To 2,500 SF Seal Coat With Sand And Latex Added (One Coat)	0.48	
32 12 36 00-0086	SF		>2,500 To 5,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.40	
32 12 36 00-0087	SF		>5,000 To 10,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.31	
32 12 36 00-0088	SF		>10,000 To 25,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.23	
32 12 36 00-0089	SF		>25,000 To 50,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.18	
32 12 36 00-0090	SF		>50,000 To 100,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.16	
32 12 36 00-0091	SF		>100,000 To 200,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.15	
32 12 36 00-0092	SF		>200,000 To 400,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.13	
32 12 36 00-0093	SF		>400,000 SF Seal Coat With Sand And Latex Added (One Coat)	0.12	
32 12 36 00-0094			Asphalt Rubber Aggregate Membrane <small>(32 12 36)</small> Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		
32 12 36 00-0095	SY		Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane	5.57	
32 12 36 00-0096	SY		>200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane	4.46	
32 12 36 00-0097	SY		>500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane	4.08	
32 12 36 00-0098	SY		>1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane	3.46	
32 12 36 00-0099	SY		>4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane	3.24	
32 12 36 00-0100	SY		>7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	3.07	
32 12 36 00-0101	SY		>16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	2.89	
32 12 43			Porous Flexible Paving <small>(32 12)</small>		
32 12 43 00-0001			Flexible Recycled Plastic Porous Grid <small>(32 12 43)</small> Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002	SF		1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	2.40	
			Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
			For Up To 100, Add	0.86	
			For >100 To 500, Add	0.22	
			For >1,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.20	
32 12 73			Asphalt Paving Joint Sealants <small>(32 12)</small>		
32 12 73 00-0001			Expansion Joint In Sidewalk <small>(32 12 73)</small>		
32 12 73 00-0002	LF		For Hot Asphalt Poured Over Expansion Joint In Sidewalk	2.85	
32 13			Rigid Paving <small>(32 10)</small>		
32 13 13			Concrete Paving <small>(32 13)</small> Note: The following section includes spreading and placing delivered Portland cement concrete mix.		

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 13 Rigid Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 13 17 Roller-Compacted Concrete Paving (32 13 13)

32 13 13 17-0001	Concrete Paving Assemblies (32 13 13 17)		
	Note: Includes forms, wire mesh (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.		
32 13 13 17-0002	4,500 PSI Concrete Paving Assembly (32 13 13 17-0001)		
32 13 13 17-0003	SY 4" 4,500 PSI Concrete Paving Assembly.....	39.88	
	For 2,500 PSI Concrete, Deduct	-2.13	
	For 3,000 PSI Concrete, Deduct	-1.39	
	For 3,500 PSI Concrete, Deduct	-1.11	
	For 4,000 PSI Concrete, Deduct	-0.48	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	2.41	
	For <10' Wide Pass, Add	7.19	
	For >24' Wide Pass, Deduct	-7.98	
	For Air Entrainment, Add	0.93	
	For Accelerator Admixtures, Add	1.11	
	For Slipforming, Deduct	-3.99	
	For Up To 100, Add	16.52	
	For >100 To 250, Add	9.18	
	For >250 To 500, Add	4.59	
	For >1,000 To 2,000, Deduct	-0.93	
	For >2,000 To 5,000, Deduct	-1.92	
	For >5,000 To 10,000, Deduct	-2.92	
	For >10,000 To 20,000, Deduct	-3.92	
	For >20,000, Deduct	-4.91	
32 13 13 17-0004	SY 5" 4,500 PSI Concrete Paving Assembly.....	46.99	
	For 2,500 PSI Concrete, Deduct	-2.67	
	For 3,000 PSI Concrete, Deduct	-1.74	
	For 3,500 PSI Concrete, Deduct	-1.40	
	For 4,000 PSI Concrete, Deduct	-0.60	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.02	
	For <10' Wide Pass, Add	8.26	
	For >24' Wide Pass, Deduct	-9.40	
	For Air Entrainment, Add	1.16	
	For Accelerator Admixtures, Add	1.40	
	For Slipforming, Deduct	-4.70	
	For Up To 100, Add	18.89	
	For >100 To 250, Add	10.61	
	For >250 To 500, Add	5.30	
	For >1,000 To 2,000, Deduct	-1.16	
	For >2,000 To 5,000, Deduct	-2.34	
	For >5,000 To 10,000, Deduct	-3.51	
	For >10,000 To 20,000, Deduct	-4.69	
	For >20,000, Deduct	-5.86	
32 13 13 17-0005	SY 6" 4,500 PSI Concrete Paving Assembly.....	50.25	
	For 2,500 PSI Concrete, Deduct	-2.82	
	For 3,000 PSI Concrete, Deduct	-1.84	
	For 3,500 PSI Concrete, Deduct	-1.47	
	For 4,000 PSI Concrete, Deduct	-0.64	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.19	
	For <10' Wide Pass, Add	8.88	
	For >24' Wide Pass, Deduct	-10.05	
	For Air Entrainment, Add	1.23	
	For Accelerator Admixtures, Add	1.47	
	For Slipforming, Deduct	-5.03	
	For Up To 100, Add	20.33	
	For >100 To 250, Add	11.39	
	For >250 To 500, Add	5.70	
	For >1,000 To 2,000, Deduct	-1.23	
	For >2,000 To 5,000, Deduct	-2.48	
	For >5,000 To 10,000, Deduct	-3.74	
	For >10,000 To 20,000, Deduct	-5.00	
	For >20,000, Deduct	-6.25	
32 13 13 17-0006	SY 7" 4,500 PSI Concrete Paving Assembly.....	59.41	
	For 2,500 PSI Concrete, Deduct	-3.56	
	For 3,000 PSI Concrete, Deduct	-2.32	
	For 3,500 PSI Concrete, Deduct	-1.86	
	For 4,000 PSI Concrete, Deduct	-0.80	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.02	
	For <10' Wide Pass, Add	10.21	
	For >24' Wide Pass, Deduct	-11.88	
	For Air Entrainment, Add	1.55	
	For Accelerator Admixtures, Add	1.86	
	For Slipforming, Deduct	-5.94	
	For Up To 100, Add	23.27	
	For >100 To 250, Add	13.18	
	For >250 To 500, Add	6.59	
	For >1,000 To 2,000, Deduct	-1.55	
	For >2,000 To 5,000, Deduct	-3.03	
	For >5,000 To 10,000, Deduct	-4.52	
	For >10,000 To 20,000, Deduct	-6.00	
	For >20,000, Deduct	-7.49	



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Rigid Paving	32 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 17-0007 SY 8" 4,500 PSI Concrete Paving Assembly.....	68.13	
For 2,500 PSI Concrete, Deduct	-3.91	
For 3,000 PSI Concrete, Deduct	-2.55	
For 3,500 PSI Concrete, Deduct	-2.04	
For 4,000 PSI Concrete, Deduct	-0.88	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.41	
For <10' Wide Pass, Add	11.94	
For >24' Wide Pass, Deduct	-13.63	
For Air Entrainment, Add	1.70	
For Accelerator Admixtures, Add	2.04	
For Slipforming, Deduct	-6.81	
For Up To 100, Add	27.29	
For >100 To 250, Add	15.35	
For >250 To 500, Add	7.67	
For >1,000 To 2,000, Deduct	-1.70	
For >2,000 To 5,000, Deduct	-3.40	
For >5,000 To 10,000, Deduct	-5.10	
For >10,000 To 20,000, Deduct	-6.81	
For >20,000, Deduct	-8.51	
32 13 13 17-0008 SY 9" 4,500 PSI Concrete Paving Assembly.....	76.97	
For 2,500 PSI Concrete, Deduct	-4.51	
For 3,000 PSI Concrete, Deduct	-2.94	
For 3,500 PSI Concrete, Deduct	-2.35	
For 4,000 PSI Concrete, Deduct	-1.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.10	
For <10' Wide Pass, Add	13.36	
For >24' Wide Pass, Deduct	-15.39	
For Air Entrainment, Add	1.96	
For Accelerator Admixtures, Add	2.35	
For Slipforming, Deduct	-7.70	
For Up To 100, Add	30.49	
For >100 To 250, Add	17.21	
For >250 To 500, Add	8.60	
For >1,000 To 2,000, Deduct	-1.96	
For >2,000 To 5,000, Deduct	-3.89	
For >5,000 To 10,000, Deduct	-5.81	
For >10,000 To 20,000, Deduct	-7.73	
For >20,000, Deduct	-9.66	
32 13 13 17-0009 SY 10" 4,500 PSI Concrete Paving Assembly.....	85.89	
For 2,500 PSI Concrete, Deduct	-4.96	
For 3,000 PSI Concrete, Deduct	-3.24	
For 3,500 PSI Concrete, Deduct	-2.59	
For 4,000 PSI Concrete, Deduct	-1.12	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.61	
For <10' Wide Pass, Add	15.00	
For >24' Wide Pass, Deduct	-17.18	
For Air Entrainment, Add	2.16	
For Accelerator Admixtures, Add	2.59	
For Slipforming, Deduct	-8.59	
For Up To 100, Add	34.27	
For >100 To 250, Add	19.29	
For >250 To 500, Add	9.65	
For >1,000 To 2,000, Deduct	-2.16	
For >2,000 To 5,000, Deduct	-4.31	
For >5,000 To 10,000, Deduct	-6.45	
For >10,000 To 20,000, Deduct	-8.60	
For >20,000, Deduct	-10.75	
32 13 13 17-0010 SY 12" 4,500 PSI Concrete Paving Assembly.....	102.37	
For 2,500 PSI Concrete, Deduct	-5.88	
For 3,000 PSI Concrete, Deduct	-3.83	
For 3,500 PSI Concrete, Deduct	-3.07	
For 4,000 PSI Concrete, Deduct	-1.33	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.65	
For <10' Wide Pass, Add	17.92	
For >24' Wide Pass, Deduct	-20.47	
For Air Entrainment, Add	2.56	
For Accelerator Admixtures, Add	3.07	
For Slipforming, Deduct	-10.24	
For Up To 100, Add	40.97	
For >100 To 250, Add	23.04	
For >250 To 500, Add	11.52	
For >1,000 To 2,000, Deduct	-2.56	
For >2,000 To 5,000, Deduct	-5.12	
For >5,000 To 10,000, Deduct	-7.67	
For >10,000 To 20,000, Deduct	-10.23	
For >20,000, Deduct	-12.79	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 13	Rigid Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 17-0011	SY		15" 4,500 PSI Concrete Paving Assembly	130.79	
			<i>For 2,500 PSI Concrete, Deduct</i>	-7.22	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.71	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.77	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.63	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	8.16	
			<i>For <10' Wide Pass, Add</i>	23.28	
			<i>For >24' Wide Pass, Deduct</i>	-26.16	
			<i>For Air Entrainment, Add</i>	3.14	
			<i>For Accelerator Admixtures, Add</i>	3.77	
			<i>For Slipforming, Deduct</i>	-13.08	
			<i>For Up To 100, Add</i>	53.37	
			<i>For >100 To 250, Add</i>	29.82	
			<i>For >250 To 500, Add</i>	14.91	
			<i>For >1,000 To 2,000, Deduct</i>	-3.14	
			<i>For >2,000 To 5,000, Deduct</i>	-6.41	
			<i>For >5,000 To 10,000, Deduct</i>	-9.68	
			<i>For >10,000 To 20,000, Deduct</i>	-12.95	
			<i>For >20,000, Deduct</i>	-16.22	
32 13 16			Decorative Concrete Paving (32 13)		
32 13 16 13			Patterned Concrete Paving (32 13 16)		
32 13 16 13-0001	SF		For Patterned (Tactile) Finish In Sidewalk	3.44	
32 13 43			Pervious Concrete Paving (32 13)		
32 13 43 00-0001			Pervious Concrete Assembly (32 13 43)		
			Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002	SF		6" Thick Pervious Concrete Paving.....	10.89	
			Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
			<i>For >5,000 To 30,000, Deduct</i>	-1.22	
			<i>For >30,000 To 100,000, Deduct</i>	-2.30	
			<i>For >100,000, Deduct</i>	-2.85	
32 13 43 00-0003	SF		9" Thick Pervious Concrete Paving.....	13.44	
			Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
			<i>For >5,000 To 30,000, Deduct</i>	-1.47	
			<i>For >30,000 To 100,000, Deduct</i>	-2.73	
			<i>For >100,000, Deduct</i>	-3.39	
32 13 73			Concrete Paving Joint Sealants (32 13)		
32 13 73 13			Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)		
32 13 73 13-0001			Concrete Pavement Joint And Crack Repair (32 13 73 13)		
			Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF		Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	6.67	
32 13 73 16			Field-Molded Concrete Paving Joint Sealants (32 13 73)		
32 13 73 16-0001			Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
			Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF		Joint Sealing, Concrete Pavement Preformed Elastomeric	9.88	
32 13 73 19			Compression Concrete Paving Joint Sealants (32 13 73)		
32 13 73 19-0001			Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
			Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF		1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	7.77	1.86
32 13 73 19-0003	LF		3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.06	1.91
32 13 73 19-0004	LF		1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.39	1.94
32 13 73 19-0005	LF		3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.36	1.97
32 13 73 19-0006	LF		1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.52	2.03
32 13 73 19-0007	LF		1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.12	2.06
32 13 73 19-0008	LF		2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.61	2.10

32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001 Paver Restraints (32 14 09)

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 09 00-0002 LF Up To 2" Height, Vinyl Paver Restraint.....	2.83	0.77
<i>For >1,000 To 2,000, Deduct</i>	-0.35	
<i>For >2,000 To 4,000, Deduct</i>	-0.51	
<i>For >4,000, Deduct</i>	-0.65	
32 14 09 00-0003 LF Up To 2" Height, Galvanized Steel Paver Restraint.....	3.04	0.77
<i>For >500 To 1,000, Deduct</i>	-0.09	
<i>For >1,000 To 2,000, Deduct</i>	-0.18	
<i>For >2,000, Deduct</i>	-0.27	
32 14 09 00-0004 LF Up To 1" Height, Aluminum Paver Restraint.....	2.94	0.77
<i>For >250 To 500, Deduct</i>	-0.17	
<i>For >500 To 1,000, Deduct</i>	-0.26	
<i>For >1,000 To 1,500, Deduct</i>	-0.43	
32 14 09 00-0005 LF >1" To 2" Height, Aluminum Paver Restraint.....	3.41	0.77
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500 To 1,000, Deduct</i>	-0.33	
<i>For >1,000 To 1,500, Deduct</i>	-0.54	
32 14 09 00-0006 LF >2" To 3" Height, Aluminum Paver Restraint.....	4.33	0.77
<i>For >250 To 500, Deduct</i>	-0.31	
<i>For >500 To 1,000, Deduct</i>	-0.46	
<i>For >1,000 To 1,500, Deduct</i>	-0.77	
32 14 09 00-0007 LF >3" To 4" Height, Aluminum Paver Restraint.....	5.03	0.77
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500 To 1,000, Deduct</i>	-0.57	
<i>For >1,000 To 1,500, Deduct</i>	-0.95	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

32 14 11 00-0002 SF 1" To 2" Sand Bedding, Screeded.....	0.80	
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 500, Add</i>	0.10	
<i>For >1,000 To 5,000, Deduct</i>	-0.06	
<i>For >5,000, Deduct</i>	-0.10	
32 14 11 00-0003 SF 1" To 2" Stone Dust Bedding, Screeded.....	0.96	
<i>For Up To 100, Add</i>	0.39	
<i>For >100 To 500, Add</i>	0.11	
<i>For >1,000 To 5,000, Deduct</i>	-0.06	
<i>For >5,000, Deduct</i>	-0.10	
32 14 11 00-0004 SF 3" Stone Dust Bedding, Screeded.....	1.25	
<i>For Up To 100, Add</i>	0.49	
<i>For >100 To 500, Add</i>	0.13	
<i>For >1,000 To 5,000, Deduct</i>	-0.07	
<i>For >5,000, Deduct</i>	-0.12	
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded.....	1.58	
<i>For Up To 100, Add</i>	0.61	
<i>For >100 To 500, Add</i>	0.17	
<i>For >1,000 To 5,000, Deduct</i>	-0.09	
<i>For >5,000, Deduct</i>	-0.15	
32 14 11 00-0006 SF 1" Mortar Bedding.....	2.44	
<i>For Up To 100, Add</i>	1.10	
<i>For >100 To 500, Add</i>	0.32	
<i>For >1,000 To 5,000, Deduct</i>	-0.20	
<i>For >5,000, Deduct</i>	-0.31	
32 14 11 00-0007 SF 2" Mortar Bedding.....	3.55	
<i>For Up To 100, Add</i>	1.54	
<i>For >100 To 500, Add</i>	0.44	
<i>For >1,000 To 5,000, Deduct</i>	-0.26	
<i>For >5,000, Deduct</i>	-0.42	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar.....	1.22	
<i>For Up To 100, Add</i>	0.57	
<i>For >100 To 500, Add</i>	0.17	
<i>For >1,000 To 5,000, Deduct</i>	-0.10	
<i>For >5,000, Deduct</i>	-0.16	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Pressed Precast Concrete Unit Paving (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	8.68	2.45
<i>Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.</i>		
<i>For 2-3/4" Concrete Paver, Add</i>	0.81	
<i>For 3-1/8" Concrete Paver, Add</i>	1.31	
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.68	
<i>For Up To 100, Add</i>	3.40	
<i>For >100 To 500, Add</i>	0.93	
<i>For >1,000 To 5,000, Deduct</i>	-0.49	
<i>For >5,000, Deduct</i>	-0.85	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 14 Unit Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0003	SF		2-3/8" Thick, >32 to 64 SI Precast Concrete Paver..... Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	8.24 0.79 1.28 0.64 3.18 0.86 -0.45 -0.78	2.24
32 14 13 16-0004	SF		2-3/8" Thick, >64 to 144 SI Precast Concrete Paver..... Note: Includes 6" x 12", 12" x 12" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	7.83 0.77 1.25 0.59 2.97 0.80 -0.41 -0.72	1.78
32 14 13 16-0005	SF		2-3/8" Thick, >144 SI Precast Concrete Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	7.46 0.75 1.22 0.56 2.79 0.74 -0.37 -0.67	1.85
32 14 13 16-0006	SF		2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	8.03 0.78 1.26 0.61 3.07 0.83 -0.43 -0.75	2.13
32 14 16 Brick Unit Paving (32 14)					
32 14 16 00-0001			Brick Paver Sidewalk (32 14 16) Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF		4" x 8" x 2-1/4" Brick Paver, Laid Flat For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	9.14 -1.73 3.85 0.70 3.51 0.95 -0.49 -0.86	2.45
32 14 16 00-0003	SF		4" x 8" x 2-1/4" Brick, Laid On Edge..... For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	13.11 -2.91 6.70 0.94 4.68 1.21 -0.56 -1.06	2.79
32 14 40 Stone Paving (32 14)					
32 14 40 00-0001			Slate Paver Sidewalk (32 14 40) Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	15.04 0.96 -8.04 -5.66 4.78 1.16 -0.41 -0.94	2.03
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	14.67 0.92 -7.95 -5.60 4.59 1.10 -0.37 -0.88	1.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0004 SF 1" Thick, >108 to 216 SI Slate Paver.....	14.03	1.53
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.85	
For 1/4" Thick Paver, Deduct	-7.79	
For 1/2" Thick Paver, Deduct	-5.51	
For Up To 100, Add	4.27	
For >100 To 500, Add	1.01	
For >1,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.79	
32 14 40 00-0005 SF 1" Thick, >216 SI Slate Paver.....	13.75	1.39
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.83	
For 1/4" Thick Paver, Deduct	-7.72	
For 1/2" Thick Paver, Deduct	-5.47	
For Up To 100, Add	4.13	
For >100 To 500, Add	0.96	
For >1,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.74	
32 14 40 00-0006 SF 1" Thick, Slate Paver, Combinations And Patterns.....	14.32	1.67
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.88	
For 1/4" Thick Paver, Deduct	-7.86	
For 1/2" Thick Paver, Deduct	-5.55	
For Up To 100, Add	4.42	
For >100 To 500, Add	1.05	
For >1,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.83	
32 14 40 00-0007 Granite Paver Sidewalk <small>(32 14 40)</small>		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008 SF 1" Thick, Up to 54 SI Granite Paver.....	17.37	2.03
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.07	
For 2" Granite Paver, Add	0.87	
For 3" Granite Paver, Add	1.74	
For 4" Granite Paver, Add	1.94	
For Up To 100, Add	5.36	
For >100 To 500, Add	1.27	
For >1,000 To 5,000, Deduct	-0.41	
For >5,000, Deduct	-1.01	
32 14 40 00-0009 SF 1" Thick, >54 to 108 SI Granite Paver.....	17.00	1.85
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.03	
For 2" Granite Paver, Add	0.85	
For 3" Granite Paver, Add	1.70	
For 4" Granite Paver, Add	1.88	
For Up To 100, Add	5.17	
For >100 To 500, Add	1.22	
For >1,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.95	
32 14 40 00-0010 SF 1" Thick, >108 to 216 SI Granite Paver.....	16.36	1.53
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.97	
For 2" Granite Paver, Add	0.82	
For 3" Granite Paver, Add	1.64	
For 4" Granite Paver, Add	1.79	
For Up To 100, Add	4.85	
For >100 To 500, Add	1.12	
For >1,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.86	
32 14 40 00-0011 SF 1" Thick, >216 SI Granite Paver.....	16.08	1.39
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.94	
For 2" Granite Paver, Add	0.80	
For 3" Granite Paver, Add	1.61	
For 4" Granite Paver, Add	1.75	
For Up To 100, Add	4.71	
For >100 To 500, Add	1.08	
For >1,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.81	
32 14 40 00-0012 SF 1" Thick, Granite Paver, Combinations And Patterns.....	16.65	1.67
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.00	
For 2" Granite Paver, Add	0.83	
For 3" Granite Paver, Add	1.67	
For 4" Granite Paver, Add	1.83	
For Up To 100, Add	5.00	
For >100 To 500, Add	1.17	
For >1,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.90	

32 14 43 Porous Unit Paving (32 14)

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 43 00-0001			Turf Block ^(32 14 43) Note: Grass grid, open-cell unit paver, geoblock.		
32 14 43 00-0002	SF		3-1/8" Thick, Precast Concrete Turf Block	7.48	2.13
			For Up To 100, Add	2.94	
			For >100 To 500, Add	0.80	
			For >1,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.74	
32 14 43 00-0003	SF		4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	10.64	2.13
			For Up To 100, Add	3.73	
			For >100 To 500, Add	0.96	
			For >1,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.83	
32 15			Aggregate Surfacing ^(32 15)		
32 15 40			Crushed Stone Surfacing ^(32 15) Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.		
32 15 40 00-0001	CY		Gravel Surfacing And Spreading.....	61.45	
32 15 40 00-0002	CY		Limestone Screenings For Trail.....	38.40	
32 16			Curbs, Gutters, Sidewalks, And Driveways ^(32 16)		
32 16 13			Curbs And Gutters ^(32 16) Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.		
32 16 13 13			Cast-In-Place Concrete Curbs And Gutters ^(32 16 13) Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0001			Curb And Gutter Combined, Cast In Place ^(32 16 13 13) Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0002	LF		6" x 12" Concrete Gutter With 6" Curb And Face - Straight	19.00	8.63
			For Up To 20, Add	12.91	
			For >20 To 50, Add	7.21	
			For >50 To 100, Add	2.85	
			For >500 To 1,000, Deduct	-2.46	
			For >1,000, Deduct	-4.17	
			For Rolled Curb And Gutter	1.30	
			For Integral Colors, Add	0.09	
			Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0003	LF		6" x 12" Concrete Gutter With 6" Curb And Face - Radius	20.73	11.50
			For Up To 20, Add	14.09	
			For >20 To 50, Add	7.87	
			For >50 To 100, Add	3.11	
			For >500 To 1,000, Deduct	-2.69	
			For >1,000, Deduct	-4.56	
			For Rolled Curb And Gutter	1.43	
			For Integral Colors, Add	0.10	
			Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0004	LF		6" x 18" Concrete Gutter With 6" Curb And Face - Straight	24.18	9.56
			For Up To 20, Add	16.41	
			For >20 To 50, Add	9.16	
			For >50 To 100, Add	3.63	
			For >500 To 1,000, Deduct	-3.12	
			For >1,000, Deduct	-5.28	
			For Rolled Curb And Gutter	1.62	
			For Integral Colors, Add	0.12	
			Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0005	LF		6" x 18" Concrete Gutter With 6" Curb And Face - Radius	26.73	10.65
			For Up To 20, Add	18.16	
			For >20 To 50, Add	10.14	
			For >50 To 100, Add	4.01	
			For >500 To 1,000, Deduct	-3.46	
			For >1,000, Deduct	-5.86	
			For Rolled Curb And Gutter	1.82	
			For Integral Colors, Add	0.13	
			Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0006	LF		6" x 24" Concrete Gutter With 6" Curb And Face - Straight	29.36	11.50
			For Up To 20, Add	19.92	
			For >20 To 50, Add	11.11	
			For >50 To 100, Add	4.40	
			For >500 To 1,000, Deduct	-3.77	
			For >1,000, Deduct	-6.39	
			For Rolled Curb And Gutter	1.95	
			For Integral Colors, Add	0.15	
			Note: Modifier quantity = task quantity x LB/CY color added.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0007 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Radius	32.73	12.94
For Up To 20, Add	22.23	
For >20 To 50, Add	12.41	
For >50 To 100, Add	4.91	
For >500 To 1,000, Deduct	-4.23	
For >1,000, Deduct	-7.16	
For Rolled Curb And Gutter	2.21	
For Integral Colors, Add	0.16	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0008 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Straight	34.91	13.66
For Up To 20, Add	23.68	
For >20 To 50, Add	13.21	
For >50 To 100, Add	5.24	
For >500 To 1,000, Deduct	-4.48	
For >1,000, Deduct	-7.59	
For Rolled Curb And Gutter	2.32	
For Integral Colors, Add	0.18	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0009 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Radius	38.38	15.11
For Up To 20, Add	26.05	
For >20 To 50, Add	14.54	
For >50 To 100, Add	5.76	
For >500 To 1,000, Deduct	-4.94	
For >1,000, Deduct	-8.37	
For Rolled Curb And Gutter	2.57	
For Integral Colors, Add	0.20	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0010 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Straight	40.46	15.83
For Up To 20, Add	27.44	
For >20 To 50, Add	15.30	
For >50 To 100, Add	6.07	
For >500 To 1,000, Deduct	-5.19	
For >1,000, Deduct	-8.79	
For Rolled Curb And Gutter	2.68	
For Integral Colors, Add	0.21	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0011 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Radius	44.02	17.27
For Up To 20, Add	29.86	
For >20 To 50, Add	16.66	
For >50 To 100, Add	6.60	
For >500 To 1,000, Deduct	-5.65	
For >1,000, Deduct	-9.58	
For Rolled Curb And Gutter	2.93	
For Integral Colors, Add	0.23	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0012 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Straight	46.00	17.99
For Up To 20, Add	31.20	
For >20 To 50, Add	17.40	
For >50 To 100, Add	6.90	
For >500 To 1,000, Deduct	-5.90	
For >1,000, Deduct	-9.99	
For Rolled Curb And Gutter	3.04	
For Integral Colors, Add	0.24	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0013 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Radius	51.10	20.14
For Up To 20, Add	34.69	
For >20 To 50, Add	19.36	
For >50 To 100, Add	7.67	
For >500 To 1,000, Deduct	-6.58	
For >1,000, Deduct	-11.15	
For Rolled Curb And Gutter	3.43	
For Integral Colors, Add	0.26	
Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0014 Concrete Curb, Cast In Place <small>(22 16 13 13)</small>		
Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0015 LF 6" X 12" Cast In Place Concrete Curb	14.04	7.26
For Up To 20, Add	8.62	
For >20 To 50, Add	4.89	
For >50 To 100, Add	1.87	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-3.15	
32 16 13 13-0016 LF 6" X 12" Cast In Place Concrete Curb - Radius	16.09	8.36
For Up To 20, Add	9.94	
For >20 To 50, Add	5.64	
For >50 To 100, Add	2.15	
For >500 To 1,000, Deduct	-2.15	
For >1,000, Deduct	-3.63	
32 16 13 13-0017 LF 6" X 14" Cast In Place Concrete Curb	15.44	7.26
For Up To 20, Add	9.44	
For >20 To 50, Add	5.36	
For >50 To 100, Add	2.04	
For >500 To 1,000, Deduct	-2.04	
For >1,000, Deduct	-3.45	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0018	LF		6" X 14" Cast In Place Concrete Curb - Radius	17.71	8.36
			<i>For Up To 20, Add</i>	10.90	
			<i>For >20 To 50, Add</i>	6.18	
			<i>For >50 To 100, Add</i>	2.36	
			<i>For >500 To 1,000, Deduct</i>	-2.36	
			<i>For >1,000, Deduct</i>	-3.98	
32 16 13 13-0019	LF		6" X 16" Cast In Place Concrete Curb	16.99	7.26
			<i>For Up To 20, Add</i>	10.30	
			<i>For >20 To 50, Add</i>	5.84	
			<i>For >50 To 100, Add</i>	2.23	
			<i>For >500 To 1,000, Deduct</i>	-2.23	
			<i>For >1,000, Deduct</i>	-3.77	
32 16 13 13-0020	LF		6" X 16" Cast In Place Concrete Curb - Radius	19.45	10.89
			<i>For Up To 20, Add</i>	11.88	
			<i>For >20 To 50, Add</i>	6.74	
			<i>For >50 To 100, Add</i>	2.57	
			<i>For >500 To 1,000, Deduct</i>	-2.57	
			<i>For >1,000, Deduct</i>	-4.34	
32 16 13 13-0021	LF		6" X 18" Cast In Place Concrete Curb	18.24	7.26
			<i>For Up To 20, Add</i>	10.99	
			<i>For >20 To 50, Add</i>	6.23	
			<i>For >50 To 100, Add</i>	2.38	
			<i>For >500 To 1,000, Deduct</i>	-2.38	
			<i>For >1,000, Deduct</i>	-4.03	
32 16 13 13-0022	LF		6" X 18" Cast In Place Concrete Curb - Radius	20.62	8.36
			<i>For Up To 20, Add</i>	12.47	
			<i>For >20 To 50, Add</i>	7.07	
			<i>For >50 To 100, Add</i>	2.70	
			<i>For >500 To 1,000, Deduct</i>	-2.70	
			<i>For >1,000, Deduct</i>	-4.57	
32 16 13 13-0023	LF		6" X 24" Cast In Place Concrete Curb	20.93	8.00
			<i>For Up To 20, Add</i>	12.26	
			<i>For >20 To 50, Add</i>	6.94	
			<i>For >50 To 100, Add</i>	2.66	
			<i>For >500 To 1,000, Deduct</i>	-2.66	
			<i>For >1,000, Deduct</i>	-4.52	
32 16 13 13-0024	LF		6" X 24" Cast In Place Concrete Curb - Radius	23.42	9.08
			<i>For Up To 20, Add</i>	13.76	
			<i>For >20 To 50, Add</i>	7.79	
			<i>For >50 To 100, Add</i>	2.99	
			<i>For >500 To 1,000, Deduct</i>	-2.99	
			<i>For >1,000, Deduct</i>	-5.07	
32 16 13 13-0025	LF		12" X 24" Cast In Place Concrete Curb	27.41	9.08
			<i>For Up To 20, Add</i>	14.56	
			<i>For >20 To 50, Add</i>	8.19	
			<i>For >50 To 100, Add</i>	3.19	
			<i>For >500 To 1,000, Deduct</i>	-3.19	
			<i>For >1,000, Deduct</i>	-5.47	
32 16 13 13-0026	LF		12" X 24" Cast In Place Concrete Curb - Radius	30.51	10.17
			<i>For Up To 20, Add</i>	16.27	
			<i>For >20 To 50, Add</i>	9.15	
			<i>For >50 To 100, Add</i>	3.56	
			<i>For >500 To 1,000, Deduct</i>	-3.56	
			<i>For >1,000, Deduct</i>	-6.10	
32 16 13 13-0027	EA		Additional Finish For Handicap Drop Section In Curb.....	54.48	
32 16 13 13-0028			Concrete Band, Cast In Place <small>(32 16 13 13)</small>		
			Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0029	LF		6" x 6" Concrete Band.....	12.92	7.26
			Note: Excludes base course.		
			<i>For Up To 20, Add</i>	8.40	
			<i>For >20 To 50, Add</i>	4.78	
			<i>For >50 To 100, Add</i>	1.81	
			<i>For >500 To 1,000, Deduct</i>	-1.81	
			<i>For >1,000, Deduct</i>	-3.04	
32 16 13 14			Machine Formed, Slip Form Curbs <small>(32 16 13)</small>		
			Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0001	LF		6" x 12" Straight Curb, Machine Formed.....	9.23	
32 16 13 14-0002	LF		6" x 12" Curved Curb, Machine Formed	12.50	
32 16 13 14-0003	LF		6" x 18" Straight Curb, Machine Formed.....	12.20	
32 16 13 14-0004	LF		6" x 18" Curved Curb, Machine Formed	16.02	
32 16 13 16			Steel Faced Curbs <small>(32 16 13)</small>		
			Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0001			Sidewalk/Curb Facing <small>(32 16 13 16)</small>		
			Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002	LF		3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.62	3.99
			<i>For Curved Section, Add</i>	2.85	
32 16 13 16-0003	LF		4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	14.96	4.53
			<i>For Curved Section, Add</i>	3.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0004 LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.41	5.08
<i>For Curved Section, Add</i>	3.96	
32 16 13 16-0005 LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.19	5.72
<i>For Curved Section, Add</i>	4.65	
32 16 13 16-0006 LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	30.98	6.25
<i>For Curved Section, Add</i>	5.44	
32 16 13 16-0007 LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	40.58	7.98
<i>For Curved Section, Add</i>	7.04	
32 16 13 16-0008 LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	46.50	10.34
<i>For Curved Section, Add</i>	8.51	
32 16 13 16-0009 EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	148.08	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)

32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002 LF 2' Wide Valley Gutter, 6" Thick	19.77	
<i>For Up To 20, Add</i>	9.95	
<i>For >20 To 50, Add</i>	5.57	
<i>For >50 To 100, Add</i>	2.19	
<i>For >500 To 1,000, Deduct</i>	-2.19	
<i>For >1,000, Deduct</i>	-3.78	
32 16 13 19-0003 LF 2-1/2' Wide Valley Gutter, 6" Thick	24.18	
<i>For Up To 20, Add</i>	12.06	
<i>For >20 To 50, Add</i>	6.75	
<i>For >50 To 100, Add</i>	2.65	
<i>For >500 To 1,000, Deduct</i>	-2.65	
<i>For >1,000, Deduct</i>	-4.59	
32 16 13 19-0004 LF 3' Wide Valley Gutter, 6" Thick	28.50	
<i>For Up To 20, Add</i>	14.12	
<i>For >20 To 50, Add</i>	7.90	
<i>For >50 To 100, Add</i>	3.11	
<i>For >500 To 1,000, Deduct</i>	-3.11	
<i>For >1,000, Deduct</i>	-5.37	
32 16 13 19-0005 LF 3-1/2' Wide Valley Gutter, 6" Thick	32.83	
<i>For Up To 20, Add</i>	16.17	
<i>For >20 To 50, Add</i>	9.05	
<i>For >50 To 100, Add</i>	3.56	
<i>For >500 To 1,000, Deduct</i>	-3.56	
<i>For >1,000, Deduct</i>	-6.16	
32 16 13 19-0006 LF 4' Wide Valley Gutter, 6" Thick	37.17	
<i>For Up To 20, Add</i>	18.23	
<i>For >20 To 50, Add</i>	10.20	
<i>For >50 To 100, Add</i>	4.02	
<i>For >500 To 1,000, Deduct</i>	-4.02	
<i>For >1,000, Deduct</i>	-6.96	
32 16 13 19-0007 LF 5' Wide Valley Gutter, 6" Thick	43.76	
<i>For Up To 20, Add</i>	20.90	
<i>For >20 To 50, Add</i>	11.67	
<i>For >50 To 100, Add</i>	4.62	
<i>For >500 To 1,000, Deduct</i>	-4.62	
<i>For >1,000, Deduct</i>	-8.02	
32 16 13 19-0008 LF 6' Wide Valley Gutter, 6" Thick	50.02	
<i>For Up To 20, Add</i>	23.34	
<i>For >20 To 50, Add</i>	13.00	
<i>For >50 To 100, Add</i>	5.17	
<i>For >500 To 1,000, Deduct</i>	-5.17	
<i>For >1,000, Deduct</i>	-9.00	
32 16 13 19-0009 SF >6' Wide Valley Gutter, 6" Thick	8.33	
<i>For Up To 100, Add</i>	3.89	
<i>For >100 To 250, Add</i>	2.17	
<i>For >250 To 500, Add</i>	0.86	
<i>For >2,500 To 5,000, Deduct</i>	-0.86	
<i>For >5,000, Deduct</i>	-1.50	
32 16 13 19-0010 LF 2' Wide Valley Gutter, 7" Thick	21.60	
<i>For Up To 20, Add</i>	10.64	
<i>For >20 To 50, Add</i>	5.95	
<i>For >50 To 100, Add</i>	2.34	
<i>For >500 To 1,000, Deduct</i>	-2.34	
<i>For >1,000, Deduct</i>	-4.06	
32 16 13 19-0011 LF 2-1/2' Wide Valley Gutter, 7" Thick	26.62	
<i>For Up To 20, Add</i>	13.04	
<i>For >20 To 50, Add</i>	7.29	
<i>For >50 To 100, Add</i>	2.87	
<i>For >500 To 1,000, Deduct</i>	-2.87	
<i>For >1,000, Deduct</i>	-4.98	
32 16 13 19-0012 LF 3' Wide Valley Gutter, 7" Thick	31.19	
<i>For Up To 20, Add</i>	15.12	
<i>For >20 To 50, Add</i>	8.45	
<i>For >50 To 100, Add</i>	3.34	
<i>For >500 To 1,000, Deduct</i>	-3.34	
<i>For >1,000, Deduct</i>	-5.78	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0013 LF 3-1/2' Wide Valley Gutter, 7" Thick	35.95	
For Up To 20, Add	17.33	
For >20 To 50, Add	9.68	
For >50 To 100, Add	3.83	
For >500 To 1,000, Deduct	-3.83	
For >1,000, Deduct	-6.64	
32 16 13 19-0014 LF 4' Wide Valley Gutter, 7" Thick.....	40.70	
For Up To 20, Add	19.54	
For >20 To 50, Add	10.91	
For >50 To 100, Add	4.31	
For >500 To 1,000, Deduct	-4.31	
For >1,000, Deduct	-7.49	
32 16 13 19-0015 LF 5' Wide Valley Gutter, 7" Thick.....	48.03	
For Up To 20, Add	22.43	
For >20 To 50, Add	12.50	
For >50 To 100, Add	4.97	
For >500 To 1,000, Deduct	-4.97	
For >1,000, Deduct	-8.65	
32 16 13 19-0016 LF 6' Wide Valley Gutter, 7" Thick.....	55.03	
For Up To 20, Add	25.09	
For >20 To 50, Add	13.95	
For >50 To 100, Add	5.57	
For >500 To 1,000, Deduct	-5.57	
For >1,000, Deduct	-9.73	
32 16 13 19-0017 SF >6' Wide Valley Gutter, 7" Thick	9.17	
For Up To 100, Add	4.18	
For >100 To 250, Add	2.32	
For >250 To 500, Add	0.93	
For >2,500 To 5,000, Deduct	-0.93	
For >5,000, Deduct	-1.62	
32 16 13 19-0018 LF 5' Wide Valley Gutter, 6" Thick.....	43.76	
32 16 13 19-0019 LF 6' Wide Valley Gutter, 6" Thick.....	50.02	
32 16 13 19-0020 LF 2' Wide Valley Gutter, 8" Thick.....	21.91	
For Up To 20, Add	11.04	
For >20 To 50, Add	6.18	
For >50 To 100, Add	2.43	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-4.19	
32 16 13 19-0021 LF 2-1/2' Wide Valley Gutter, 8" Thick	26.80	
For Up To 20, Add	13.39	
For >20 To 50, Add	7.50	
For >50 To 100, Add	2.95	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-5.09	
32 16 13 19-0022 LF 3' Wide Valley Gutter, 8" Thick.....	31.59	
For Up To 20, Add	15.66	
For >20 To 50, Add	8.77	
For >50 To 100, Add	3.45	
For >500 To 1,000, Deduct	-3.45	
For >1,000, Deduct	-5.96	
32 16 13 19-0023 LF 3-1/2' Wide Valley Gutter, 8" Thick	36.39	
For Up To 20, Add	17.95	
For >20 To 50, Add	10.04	
For >50 To 100, Add	3.95	
For >500 To 1,000, Deduct	-3.95	
For >1,000, Deduct	-6.84	
32 16 13 19-0024 LF 4' Wide Valley Gutter, 8" Thick.....	41.19	
For Up To 20, Add	20.23	
For >20 To 50, Add	11.32	
For >50 To 100, Add	4.46	
For >500 To 1,000, Deduct	-4.46	
For >1,000, Deduct	-7.72	
32 16 13 19-0025 LF 5' Wide Valley Gutter, 8" Thick.....	48.49	
32 16 13 19-0026 LF 6' Wide Valley Gutter, 8" Thick.....	55.44	
32 16 13 19-0027 SF >6' Wide Valley Gutter, 8" Thick	9.24	
For Up To 100, Add	4.32	
For >100 To 250, Add	2.41	
For >250 To 500, Add	0.96	
For >2,500 To 5,000, Deduct	-0.96	
For >5,000, Deduct	-1.67	

32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)

32 16 13 23-0001 LF 6" X 18" Precast Concrete Curb.....	31.50	7.47
32 16 13 23-0002 LF 6" X 18" Precast Concrete Curb, Radius	37.59	8.60

32 16 13 33 Asphalt Curbs (32 16 13)**32 16 13 33-0001 Asphalt Curbs (32 16 13 33)**

32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.00	4.08
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	11.24	4.53
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	12.40	4.99



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Curbs, Gutters, Sidewalks, And Driveways	32 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 13 43 Stone Curbs (32 16 13)

32 16 13 43-0001	Remove And Reset Stone And Precast Curbing <small>(32 16 13 43)</small>	
	Note: Includes storage and cleaning.	
32 16 13 43-0002	LF Remove And Reset Stone Or Precast Curbing.....	26.30
	Note: Includes storage and cleaning.	

32 16 23 Sidewalks (32 16)

32 16 23 00-0001	Cast In Place Concrete Sidewalk <small>(32 16 23)</small>	
	Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 21 11 00-0001 for reinforcing bar (when wire mesh is deducted), 03 21 11 00-0011 for additional reinforcing bar, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0097 for buggies, 03 31 13 00-0104 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.	
32 16 23 00-0002	SF 4" Cast In Place Concrete Sidewalk	6.71
	For Up To 100, Add	2.88
	For >100 To 500, Add	0.82
	For >1,000 To 5,000, Deduct	-0.48
	For >5,000, Deduct	-1.06
	For Welded Wire Reinforcement, Add	0.52
32 16 23 00-0003	SF 5" Cast In Place Concrete Sidewalk	7.30
	For Up To 100, Add	3.08
	For >100 To 500, Add	0.87
	For >1,000 To 5,000, Deduct	-0.50
	For >5,000, Deduct	-1.12
	For Welded Wire Reinforcement, Add	0.54
32 16 23 00-0004	SF 6" Cast In Place Concrete Sidewalk	7.90
	For Up To 100, Add	3.27
	For >100 To 500, Add	0.91
	For >1,000 To 5,000, Deduct	-0.52
	For >5,000, Deduct	-1.17
	For Welded Wire Reinforcement, Add	0.55
32 16 23 00-0005	SF 7" Cast In Place Concrete Sidewalk	9.19
	For Up To 100, Add	3.77
	For >100 To 500, Add	1.05
	For >1,000 To 5,000, Deduct	-0.59
	For >5,000, Deduct	-1.34
	For Welded Wire Reinforcement, Add	0.60
32 16 23 00-0006	SF 8" Cast In Place Concrete Sidewalk	9.70
	For Up To 100, Add	3.92
	For >100 To 500, Add	1.08
	For >1,000 To 5,000, Deduct	-0.60
	For >5,000, Deduct	-1.38
	For Welded Wire Reinforcement, Add	0.61
32 16 23 00-0007	SF For Exposed Aggregate Finish In Sidewalk.....	1.72
32 16 23 00-0008	EA Finish Concrete Handicap Drop Section In Sidewalk.....	103.19
	Note: Excludes patterned (tactile) finish.	

32 16 23 00-0009 Bituminous Sidewalk (32 16 23)

	Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.	
32 16 23 00-0010	SY 1" Bituminous Sidewalk	7.20
	For Up To 100, Add	2.67
	For >100 To 500, Add	0.71
	For >1,000 To 5,000, Deduct	-0.35
	For >5,000, Deduct	-0.71
32 16 23 00-0011	SY 1-1/2" Bituminous Sidewalk	9.05
	For Up To 100, Add	3.31
	For >100 To 500, Add	0.87
	For >1,000 To 5,000, Deduct	-0.42
	For >5,000, Deduct	-0.87
32 16 23 00-0012	SY 2" Bituminous Sidewalk	12.59
	For Up To 100, Add	4.45
	For >100 To 500, Add	1.15
	For >1,000 To 5,000, Deduct	-0.52
	For >5,000, Deduct	-1.15
32 16 23 00-0013	SY 2-1/2" Bituminous Sidewalk	15.75
	For Up To 100, Add	5.55
	For >100 To 500, Add	1.43
	For >1,000 To 5,000, Deduct	-0.64
	For >5,000, Deduct	-1.43
32 16 23 00-0014	SY 3" Bituminous Sidewalk	18.15
	For Up To 100, Add	6.28
	For >100 To 500, Add	1.61
	For >1,000 To 5,000, Deduct	-0.70
	For >5,000, Deduct	-1.61

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 16	Curbs, Gutters, Sidewalks, And Driveways



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	21.00	
		<i>For Up To 100, Add</i>	7.17	
		<i>For >100 To 500, Add</i>	1.82	
		<i>For >1,000 To 5,000, Deduct</i>	-0.77	
		<i>For >5,000, Deduct</i>	-1.82	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA	4" x 6" x 4' Wheel Stop, Recycled Plastic	56.60	5.53
32 17 13 16-0002	EA	4" x 6" x 6' Wheel Stop, Recycled Plastic	63.16	5.53

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	LF	12" x 6" Precast Concrete Barrier With Dowels	53.49	1.34
32 17 13 19-0002	EA	6" x 8" x 4' Precast Concrete Wheel Stop	42.01	16.65
32 17 13 19-0003	EA	6" x 6" x 6' Precast Concrete Wheel Stop	48.72	16.65
32 17 13 19-0004	EA	6" x 8" x 6' Precast Concrete Wheel Stop	49.74	16.65
32 17 13 19-0005	EA	6" x 10" x 6' Precast Concrete Wheel Stop	51.84	16.65
32 17 13 19-0006	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop	48.72	16.65
32 17 13 19-0007	EA	8" x 13" x 6' Precast Concrete Wheel Stop	60.31	16.65

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001	EA	3' Rubber Bumper Wheel Stop	26.17	5.53
32 17 13 23-0002	EA	4' Rubber Bumper Wheel Stop	30.85	5.53
32 17 13 23-0003	EA	5' Rubber Bumper Wheel Stop	32.72	5.53
32 17 13 23-0004	EA	6' Rubber Bumper Wheel Stop	35.53	5.53

32 17 13 26 Wood Parking Bumpers (32 17 13)

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	8.14	1.34
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	10.89	1.34

32 17 13 33 Remove And Relocate Stops (32 17 13)

32 17 13 33-0001	EA	Remove And Relocate Precast Concrete Wheel Stop	26.63	
32 17 13 33-0002	EA	Remove And Relocate Plastic Or Wood Wheel Stop	17.31	

32 17 16 Speed Bumps (32 17)

32 17 16 00-0001 Speed Bumps (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	28.13	1.37
		Note: Excludes striping.		
32 17 16 00-0003	LF	3-1/2" High x 12" Wide, Asphalt Speed Bump	48.78	
		Note: Excludes striping.		
32 17 16 00-0004	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	26.13	0.92
32 17 16 00-0005	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	35.96	0.92

32 17 16 00-0006 Modular Rubber Speed Tables (32 17 16)

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0007	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table	37.23	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table	32.53	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table	30.44	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table	35.61	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0011	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table	31.24	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0012	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table	29.39	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0013	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table	33.96	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0014	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table	30.24	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0015 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	28.52	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0016 Asphalt Speed Table <small>(32 17 16)</small>		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0017 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown	27.39	
Note: Tapered on edges to roadway.		
32 17 16 00-0018 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown	32.34	
Note: Tapered on edges to roadway.		
32 17 16 00-0019 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown	34.44	
Note: Tapered on edges to roadway.		
32 17 16 00-0020 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown	40.68	
Note: Tapered on edges to roadway.		
32 17 16 00-0021 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown	42.05	
Note: Tapered on edges to roadway.		
32 17 16 00-0022 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown	46.99	
Note: Tapered on edges to roadway.		
32 17 16 00-0023 Concrete Speed Table <small>(32 17 16)</small>		
32 17 16 00-0024 SF Concrete Speed Table.....	9.89	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 23 Pavement Markings <small>(32 17)</small>		
See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13 Painted Pavement Markings <small>(32 17 23)</small>		
32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23)</small>		
¹³⁾ Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
Note: 15 mil thickness.		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Alkyd Reflective Pavement Striping	0.23	
For Up To 1 Mile, Add		0.05
For >5 Miles, Deduct		-0.03
For Broken Line, Deduct		-0.04
32 17 23 13-0004 LF Single 6" Wide Solid Line, Alkyd Reflective Pavement Striping	0.28	
For Up To 1 Mile, Add		0.06
For >5 Miles, Deduct		-0.04
For Broken Line, Deduct		-0.05
32 17 23 13-0005 LF Single 8" Wide Solid Line, Alkyd Reflective Pavement Striping	0.36	
For Up To 1 Mile, Add		0.07
For >5 Miles, Deduct		-0.05
For Broken Line, Deduct		-0.07
32 17 23 13-0006 LF Single 12" Wide Solid Line, Alkyd Reflective Pavement Striping	0.48	
For Up To 1 Mile, Add		0.10
For >5 Miles, Deduct		-0.07
For Broken Line, Deduct		-0.11
32 17 23 13-0007 SF >12" Wide Solid Line, Alkyd Reflective Pavement Striping.....	0.60	
32 17 23 13-0008 LF Double 4" Wide Solid Lines, Alkyd Reflective Pavement Striping.....	0.27	
For Up To 1 Mile, Add		0.05
For >5 Miles, Deduct		-0.04
For Broken Line On One Side, Deduct		-0.03
For Double Broken Line, Deduct		-0.07
32 17 23 13-0009 LF Double 6" Wide Solid Lines, Alkyd Reflective Pavement Striping.....	0.35	
For Up To 1 Mile, Add		0.07
For >5 Miles, Deduct		-0.05
For Broken Line On One Side, Deduct		-0.05
For Double Broken Line, Deduct		-0.11
32 17 23 13-0010 EA 6" High, Letter/Number, Alkyd Reflective Pavement Striping.....	3.07	
For <10, Add		0.42
For >50 To 100, Deduct		-0.21
For >100 To 200, Deduct		-0.28
For >200, Deduct		-0.56
32 17 23 13-0011 EA 12" High, Letter/Number, Alkyd Reflective Pavement Striping.....	5.17	
For <10, Add		0.64
For >50 To 100, Deduct		-0.32
For >100 To 200, Deduct		-0.43
For >200, Deduct		-0.85
32 17 23 13-0012 EA 24" High, Letter/Number, Alkyd Reflective Pavement Striping.....	8.67	
For <10, Add		1.06
For >50 To 100, Deduct		-0.53
For >100 To 200, Deduct		-0.71
For >200, Deduct		-1.42
32 17 23 13-0013 EA 36" High, Letter/Number, Alkyd Reflective Pavement Striping.....	16.96	
For <10, Add		2.12
For >50 To 100, Deduct		-1.06
For >100 To 200, Deduct		-1.42
For >200, Deduct		-2.83

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0014 EA 48" High, Letter/Number, Alkyd Reflective Pavement Striping.....	19.51	
For <10, Add	2.38	
For >50 To 100, Deduct	-1.19	
For >100 To 200, Deduct	-1.59	
For >200, Deduct	-3.17	
32 17 23 13-0015 EA 72" High, Letter/Number, Alkyd Reflective Pavement Striping.....	34.89	
For <10, Add	4.24	
For >50 To 100, Deduct	-2.12	
For >100 To 200, Deduct	-2.82	
For >200, Deduct	-5.65	
32 17 23 13-0016 EA 96" High, Letter/Number, Alkyd Reflective Pavement Striping.....	46.67	
For <10, Add	5.69	
For >50 To 100, Deduct	-2.84	
For >100 To 200, Deduct	-3.79	
For >200, Deduct	-7.58	
32 17 23 13-0017 EA 120" High, Letter/Number, Alkyd Reflective Pavement Striping.....	66.53	
For <10, Add	7.05	
For >50 To 100, Deduct	-3.52	
For >100 To 200, Deduct	-4.70	
For >200, Deduct	-9.40	
32 17 23 13-0018 SF Letter/Number, Alkyd Reflective Pavement Marking.....	4.89	
32 17 23 13-0019 SF Symbols, Alkyd Reflective Pavement Marking.....	5.85	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020 Pavement Marking (CALTRAN) (32 17 23 13-0001)		
Note: Per LF of detail.		
32 17 23 13-0021 LF CALTRAN Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.20	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0022 LF CALTRAN Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0023 LF CALTRAN Detail 4 Centerline.....	0.44	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0024 LF CALTRAN Detail 5 Centerline, Painted Reflective Pavement Striping.....	0.19	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0025 LF CALTRAN Detail 6 Centerline, Painted Reflective Pavement Striping.....	0.25	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0026 LF CALTRAN Detail 7 Centerline.....	0.30	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0027 LF CALTRAN Detail 8 Lanelines, Painted Reflective Pavement Striping.....	0.20	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0028 LF CALTRAN Detail 9 Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0029 LF CALTRAN Detail 10 Lanelines.....	0.44	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0030 LF CALTRAN Detail 11 Lanelines, Painted Reflective Pavement Striping.....	0.19	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0031 LF CALTRAN Detail 12 Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0032 LF CALTRAN Detail 13 Lanelines.....	0.30	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0033 LF CALTRAN Detail 14 Lanelines.....	0.30	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0034 LF CALTRAN Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0035 LF CALTRAN Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.25	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.05	
32 17 23 13-0036 LF CALTRAN Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.46	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0037 LF CALTRAN Detail 17 No Passing Zones-One Direction Lanelines.....	1.24	
For Up To 1 Mile, Add	0.25	
For >5 Miles, Deduct	-0.19	
32 17 23 13-0038 LF CALTRAN Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.25	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0039 LF CALTRAN Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.41	
<i>For Up To 1 Mile, Add</i>	0.08	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0040 LF CALTRAN Detail 20 No Passing Zones-One Direction Lanelines	1.05	
<i>For Up To 1 Mile, Add</i>	0.21	
<i>For >5 Miles, Deduct</i>	-0.16	
32 17 23 13-0041 LF CALTRAN Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.29	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.04	
<i>For Broken Line On One Side, Deduct</i>	-0.04	
<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0042 LF CALTRAN Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.49	
<i>For Up To 1 Mile, Add</i>	0.10	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0043 LF CALTRAN Detail 23 No Passing Zones-Two Direction Lanelines	1.48	
<i>For Up To 1 Mile, Add</i>	0.30	
<i>For >5 Miles, Deduct</i>	-0.22	
32 17 23 13-0044 LF CALTRAN Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0045 LF CALTRAN Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.28	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0046 LF CALTRAN Detail 25A Left Edgelines, Painted Reflective Pavement Striping.....	0.34	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0047 LF CALTRAN Detail 26 Left Edgelines	0.06	
<i>For Up To 1 Mile, Add</i>	0.01	
<i>For >5 Miles, Deduct</i>	-0.01	
32 17 23 13-0048 LF CALTRAN Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.33	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0049 LF CALTRAN Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0050 LF CALTRAN Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping.....	0.19	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0051 LF CALTRAN Detail 28 Median Islands, Painted Reflective Pavement Striping.....	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
<i>For Broken Line On One Side, Deduct</i>	-0.08	
<i>For Double Broken Line, Deduct</i>	-0.17	
32 17 23 13-0052 LF CALTRAN Detail 29 Median Islands, Painted Reflective Pavement Striping.....	0.77	
<i>For Up To 1 Mile, Add</i>	0.15	
<i>For >5 Miles, Deduct</i>	-0.12	
32 17 23 13-0053 LF CALTRAN Detail 30 Median Islands.....	2.97	
<i>For Up To 1 Mile, Add</i>	0.59	
<i>For >5 Miles, Deduct</i>	-0.45	
32 17 23 13-0054 LF CALTRAN Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.48	
<i>For Up To 1 Mile, Add</i>	0.10	
<i>For >5 Miles, Deduct</i>	-0.07	
<i>For Broken Line On One Side, Deduct</i>	-0.05	
<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0055 LF CALTRAN Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.75	
<i>For Up To 1 Mile, Add</i>	0.15	
<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0056 LF CALTRAN Detail 33 Two-Way Left Turn Lanes.....	2.04	
<i>For Up To 1 Mile, Add</i>	0.41	
<i>For >5 Miles, Deduct</i>	-0.31	
32 17 23 13-0057 LF CALTRAN Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.41	
<i>For Up To 1 Mile, Add</i>	0.08	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0058 LF CALTRAN Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.25	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0059 LF CALTRAN Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	0.46	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0060 LF CALTRAN Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.25	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0061 LF CALTRAN Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	0.94	
<i>For Up To 1 Mile, Add</i>	0.19	
<i>For >5 Miles, Deduct</i>	-0.14	
32 17 23 13-0062 LF CALTRAN Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.63	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.09	
32 17 23 13-0063 LF CALTRAN Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.68	
<i>For Up To 1 Mile, Add</i>	0.14	
<i>For >5 Miles, Deduct</i>	-0.10	
32 17 23 13-0064 LF CALTRAN Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0065 LF CALTRAN Detail 37A Lane Drop At Exit Ramps	0.99	
For Up To 1 Mile, Add	0.20	
For >5 Miles, Deduct	-0.15	
32 17 23 13-0066 LF CALTRAN Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	0.56	
For Up To 1 Mile, Add	0.11	
For >5 Miles, Deduct	-0.08	
32 17 23 13-0067 LF CALTRAN Detail 37C Lane Drop At Intersections	0.99	
For Up To 1 Mile, Add	0.20	
For >5 Miles, Deduct	-0.15	
32 17 23 13-0068 LF CALTRAN Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.56	
For Up To 1 Mile, Add	0.11	
For >5 Miles, Deduct	-0.08	
32 17 23 13-0069 LF CALTRAN Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.46	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0070 LF CALTRAN Detail 38B Channelizing Line, Painted Reflective Pavement Striping	0.69	
For Up To 1 Mile, Add	0.14	
For >5 Miles, Deduct	-0.10	
32 17 23 13-0071 LF CALTRAN Detail 38C Channelizing Line	1.48	
For Up To 1 Mile, Add	0.30	
For >5 Miles, Deduct	-0.22	
32 17 23 13-0072 LF CALTRAN Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.28	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0073 LF CALTRAN Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.23	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0074 LF CALTRAN Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.19	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0075 LF CALTRAN Detail 40A Lane Line Extensions Through Intersections	0.76	
For Up To 1 Mile, Add	0.15	
For >5 Miles, Deduct	-0.11	
32 17 23 13-0076 LF CALTRAN Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.19	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0077 LF CALTRAN Detail 41A Center Line Extensions Through Intersections	0.76	
For Up To 1 Mile, Add	0.15	
For >5 Miles, Deduct	-0.11	
32 17 23 13-0078 EA CALTRAN 10' Arrow, Type I, Painted Reflective Pavement Marking	77.87	
For <10, Add	10.31	
For >50 To 100, Deduct	-5.15	
For >100 To 200, Deduct	-6.87	
For >200, Deduct	-13.74	
32 17 23 13-0079 EA CALTRAN 18' Arrow, Type I, Painted Reflective Pavement Marking	136.61	
For <10, Add	18.04	
For >50 To 100, Deduct	-9.02	
For >100 To 200, Deduct	-12.02	
For >200, Deduct	-24.05	
32 17 23 13-0080 EA CALTRAN 24' Arrow, Type I, Painted Reflective Pavement Marking	171.45	
For <10, Add	22.67	
For >50 To 100, Deduct	-11.34	
For >100 To 200, Deduct	-15.12	
For >200, Deduct	-30.23	
32 17 23 13-0081 EA CALTRAN 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	249.33	
For <10, Add	32.98	
For >50 To 100, Deduct	-16.49	
For >100 To 200, Deduct	-21.99	
For >200, Deduct	-43.97	
32 17 23 13-0082 EA CALTRAN 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	327.20	
For <10, Add	43.29	
For >50 To 100, Deduct	-21.64	
For >100 To 200, Deduct	-28.86	
For >200, Deduct	-57.71	
32 17 23 13-0083 EA CALTRAN 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	230.18	
For <10, Add	30.40	
For >50 To 100, Deduct	-15.20	
For >100 To 200, Deduct	-20.27	
For >200, Deduct	-40.54	
32 17 23 13-0084 EA CALTRAN 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	401.63	
For <10, Add	53.08	
For >50 To 100, Deduct	-26.54	
For >100 To 200, Deduct	-35.38	
For >200, Deduct	-70.77	
32 17 23 13-0085 EA CALTRAN 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	81.96	
For <10, Add	10.82	
For >50 To 100, Deduct	-5.41	
For >100 To 200, Deduct	-7.21	
For >200, Deduct	-14.43	
32 17 23 13-0086 EA CALTRAN 24' Arrow, Type V, Painted Reflective Pavement Marking	179.64	
For <10, Add	23.70	
For >50 To 100, Deduct	-11.85	
For >100 To 200, Deduct	-15.80	
For >200, Deduct	-31.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0087 EA CALTRAN 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	230.18	
<i>For <10, Add</i>	30.40	
<i>For >50 To 100, Deduct</i>	-15.20	
<i>For >100 To 200, Deduct</i>	-20.27	
<i>For >200, Deduct</i>	-40.54	
32 17 23 13-0088 EA CALTRAN 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	148.33	
<i>For <10, Add</i>	19.58	
<i>For >50 To 100, Deduct</i>	-9.79	
<i>For >100 To 200, Deduct</i>	-13.05	
<i>For >200, Deduct</i>	-26.11	
32 17 23 13-0089 EA CALTRAN 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	195.34	
<i>For <10, Add</i>	25.77	
<i>For >50 To 100, Deduct</i>	-12.88	
<i>For >100 To 200, Deduct</i>	-17.18	
<i>For >200, Deduct</i>	-34.35	
32 17 23 13-0090 EA CALTRAN 5' Arrow, Bike Lane, Painted Reflective Pavement Marking.....	38.94	
<i>For <10, Add</i>	5.15	
<i>For >50 To 100, Deduct</i>	-2.58	
<i>For >100 To 200, Deduct</i>	-3.44	
<i>For >200, Deduct</i>	-6.87	
32 17 23 13-0091 EA CALTRAN Railroad Crossing Symbol, Painted Reflective Pavement Marking	372.19	
Note: Excludes variable width transverse lines.		
<i>For <10, Add</i>	48.95	
<i>For >50 To 100, Deduct</i>	-24.48	
<i>For >100 To 200, Deduct</i>	-32.64	
<i>For >200, Deduct</i>	-65.27	
32 17 23 13-0092 SF CALTRAN Solid Area, Painted Reflective Pavement Marking.....	4.84	
32 17 23 13-0093 EA CALTRAN Bike Lane Symbol Without Person, Painted Reflective Pavement Marking	35.72	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For <10, Add</i>	3.71	
<i>For >50 To 100, Deduct</i>	-1.86	
<i>For >100 To 200, Deduct</i>	-2.47	
<i>For >200, Deduct</i>	-4.95	
32 17 23 13-0094 EA CALTRAN Bike Lane Symbol With Person, Painted Reflective Pavement Marking	37.82	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For <10, Add</i>	3.92	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100 To 200, Deduct</i>	-2.61	
<i>For >200, Deduct</i>	-5.22	
32 17 23 13-0095 EA CALTRAN Diamond Symbol, Painted Reflective Pavement Marking	62.16	
<i>For <10, Add</i>	8.24	
<i>For >50 To 100, Deduct</i>	-4.12	
<i>For >100 To 200, Deduct</i>	-5.50	
<i>For >200, Deduct</i>	-10.99	
32 17 23 13-0096 EA CALTRAN International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	126.36	
<i>For <10, Add</i>	16.70	
<i>For >50 To 100, Deduct</i>	-8.35	
<i>For >100 To 200, Deduct</i>	-11.13	
<i>For >200, Deduct</i>	-22.26	
32 17 23 13-0097 EA CALTRAN Bike Loop Detector Symbol, Painted Reflective Pavement Marking	27.36	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For <10, Add</i>	3.92	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100 To 200, Deduct</i>	-2.61	
<i>For >200, Deduct</i>	-5.22	
32 17 23 13-0098 SF CALTRAN Letter/Number, Painted Reflective Pavement Marking.....	4.91	
32 17 23 13-0099 SF CALTRAN Symbols, Painted Reflective Pavement Marking.....	5.46	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0100 Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		
32 17 23 13-0101 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.39	
<i>For 20 Mil Thickness, Add</i>	0.11	
<i>For Up To 1 Mile, Add</i>	0.08	
<i>For >5 Miles, Deduct</i>	-0.06	
<i>For Broken Line, Deduct</i>	-0.16	
32 17 23 13-0102 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.53	
<i>For 20 Mil Thickness, Add</i>	0.16	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
<i>For Broken Line, Deduct</i>	-0.24	
32 17 23 13-0103 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.65	
<i>For 20 Mil Thickness, Add</i>	0.19	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.10	
<i>For Broken Line, Deduct</i>	-0.29	
32 17 23 13-0104 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.96	
<i>For 20 Mil Thickness, Add</i>	0.29	
<i>For Up To 1 Mile, Add</i>	0.19	
<i>For >5 Miles, Deduct</i>	-0.14	
<i>For Broken Line, Deduct</i>	-0.47	
32 17 23 13-0105 SF >12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.08	
<i>For 20 Mil Thickness, Add</i>	0.32	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0106	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.59	
			<i>For 20 Mil Thickness, Add</i>	0.18	
			<i>For Up To 1 Mile, Add</i>	0.12	
			<i>For >5 Miles, Deduct</i>	-0.09	
			<i>For Broken Line On One Side, Deduct</i>	-0.15	
			<i>For Double Broken Line, Deduct</i>	-0.31	
32 17 23 13-0107	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.83	
			<i>For 20 Mil Thickness, Add</i>	0.26	
			<i>For Up To 1 Mile, Add</i>	0.17	
			<i>For >5 Miles, Deduct</i>	-0.12	
			<i>For Broken Line On One Side, Deduct</i>	-0.23	
			<i>For Double Broken Line, Deduct</i>	-0.47	
32 17 23 13-0108	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.26	
			<i>For 20 Mil Thickness, Add</i>	0.31	
			<i>For <10, Add</i>	0.42	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 200, Deduct</i>	-0.28	
			<i>For >200, Deduct</i>	-0.56	
32 17 23 13-0109	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	5.87	
			<i>For 20 Mil Thickness, Add</i>	0.77	
			<i>For <10, Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 200, Deduct</i>	-0.43	
			<i>For >200, Deduct</i>	-0.85	
32 17 23 13-0110	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	9.89	
			<i>For 20 Mil Thickness, Add</i>	1.33	
			<i>For <10, Add</i>	1.06	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100 To 200, Deduct</i>	-0.71	
			<i>For >200, Deduct</i>	-1.42	
32 17 23 13-0111	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	19.11	
			<i>For 20 Mil Thickness, Add</i>	2.44	
			<i>For <10, Add</i>	2.12	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100 To 200, Deduct</i>	-1.42	
			<i>For >200, Deduct</i>	-2.83	
32 17 23 13-0112	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	22.30	
			<i>For 20 Mil Thickness, Add</i>	3.03	
			<i>For <10, Add</i>	2.38	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100 To 200, Deduct</i>	-1.59	
			<i>For >200, Deduct</i>	-3.17	
32 17 23 13-0113	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	39.99	
			<i>For 20 Mil Thickness, Add</i>	5.49	
			<i>For <10, Add</i>	4.24	
			<i>For >50 To 100, Deduct</i>	-2.12	
			<i>For >100 To 200, Deduct</i>	-2.82	
			<i>For >200, Deduct</i>	-5.65	
32 17 23 13-0114	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	53.39	
			<i>For 20 Mil Thickness, Add</i>	7.26	
			<i>For <10, Add</i>	5.69	
			<i>For >50 To 100, Deduct</i>	-2.84	
			<i>For >100 To 200, Deduct</i>	-3.79	
			<i>For >200, Deduct</i>	-7.58	
32 17 23 13-0115	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	81.51	
			<i>For 20 Mil Thickness, Add</i>	14.12	
			<i>For <10, Add</i>	7.05	
			<i>For >50 To 100, Deduct</i>	-3.52	
			<i>For >100 To 200, Deduct</i>	-4.70	
			<i>For >200, Deduct</i>	-9.40	
32 17 23 13-0116	SF		Letter/Number, Epoxy Reflective Pavement Marking.....	5.37	
			<i>For 20 Mil Thickness, Add</i>	0.61	
32 17 23 13-0117	SF		Symbols, Epoxy Reflective Pavement Marking.....	6.81	
			Note: Handicap, railroad, diamond, arrows, etc.		
			<i>For 20 Mil Thickness, Add</i>	0.69	
32 17 23 13-0118			Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
32 17 23 13-0119			Painted Pavement Marking For Parking Areas (32 17 23 13-0118)		
32 17 23 13-0120	LF		Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.87	
32 17 23 13-0121	LF		Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.95	
32 17 23 13-0122	LF		Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.00	
32 17 23 13-0123	LF		Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.13	
32 17 23 13-0124	SF		Solid Area, Painted Pavement Marking For Parking Areas.....	4.26	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125	EA		6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	2.98	
			<i>For Up To 10, Add</i>	0.41	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 200, Deduct</i>	-0.27	
			<i>For >200, Deduct</i>	-0.55	
32 17 23 13-0126	EA		12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.00	
			<i>For Up To 10, Add</i>	0.62	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 200, Deduct</i>	-0.41	
			<i>For >200, Deduct</i>	-0.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0127 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.42	
<i>For Up To 10, Add</i>	1.03	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 200, Deduct</i>	-0.69	
<i>For >200, Deduct</i>	-1.38	
32 17 23 13-0128 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	15.75	
<i>For Up To 10, Add</i>	1.96	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100 To 200, Deduct</i>	-1.31	
<i>For >200, Deduct</i>	-2.61	
32 17 23 13-0129 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	20.97	
<i>For Up To 10, Add</i>	2.68	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100 To 200, Deduct</i>	-1.79	
<i>For >200, Deduct</i>	-3.57	
32 17 23 13-0130 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	25.49	
<i>For Up To 10, Add</i>	3.30	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100 To 200, Deduct</i>	-2.20	
<i>For >200, Deduct</i>	-4.40	
32 17 23 13-0131 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	33.90	
<i>For Up To 10, Add</i>	4.12	
<i>For >50 To 100, Deduct</i>	-2.06	
<i>For >100 To 200, Deduct</i>	-2.75	
<i>For >200, Deduct</i>	-5.50	
32 17 23 13-0132 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas	59.21	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas	67.12	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	94.06	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	95.88	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0136 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	124.03	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0137 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	24.66	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
<i>For Blue Background With White Symbol, Add</i>	17.56	
<i>For Blue Background With White Symbol And Border, Add</i>	21.95	
32 17 23 13-0138 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	35.38	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
<i>For Blue Background With White Symbol, Add</i>	35.13	
<i>For Blue Background With White Symbol And Border, Add</i>	43.91	
32 17 23 13-0139 Painted Curbs <small>(32 17 23 13)</small>		
32 17 23 13-0140 LF Reflective Painted Curb	1.86	
32 17 23 13-0141 LF Reflective Painted Curb And Gutter.....	3.37	
32 17 23 13-0142 LF Painted Curb, Any Color	1.50	
32 17 23 13-0143 LF Painted Curb And Gutter, Any Color.....	2.97	
32 17 23 13-0144 Markings For Outdoor Play Areas, Courts <small>(32 17 23 13)</small>		
32 17 23 13-0145 LF 2" Wide Marking For Outdoor Play Areas.....	0.63	
32 17 23 13-0146 LF 3" Wide Marking For Outdoor Play Areas.....	0.72	
32 17 23 13-0147 LF 4" Wide Marking For Outdoor Play Areas.....	0.82	
32 17 23 13-0148 LF 6" Wide Marking For Outdoor Play Areas.....	0.96	
32 17 23 13-0149 EA Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	232.05	
32 17 23 19 Pedestrian Traffic Coating <small>(32 17 23)</small>		
32 17 23 19-0001 Pedestrian Traffic Coating <small>(32 17 23 19)</small>		
Note: Gaco Western		
32 17 23 19-0002 SF GACOCRETE A-17, Acrylic Elastomer Coating.....	2.21	
32 17 23 19-0003 SF Silicone Enhanced A-30, Acrylic Elastomer Coating.....	1.99	
<i>For >2,000, Deduct</i>	-0.15	
32 17 23 19-0004 SF Quick Set A-31, Acrylic Elastomer Coating.....	1.90	
32 17 23 19-0005 SF A-32, Acrylic Elastomer Coating	2.04	
<i>For >2,000, Deduct</i>	-0.17	
32 17 23 19-0006 SF Liquid Seam Tape A-3611, Acrylic Elastomer Coating	2.10	
<i>For >2,000, Deduct</i>	-0.19	
32 17 23 19-0007 SF A-38, Acrylic Elastomer Coating	2.08	
32 17 23 19-0008 SF Acrylic Primer A-4121	1.65	
32 17 23 19-0009 SF Two Component Epoxy Emulsion Primer Filler E-5320.....	2.52	
32 17 23 19-0010 SF Two Component Epoxy Rust Inhibiting Primer E-5388.....	2.77	
32 17 23 19-0011 SF Two Component 100% Solids Primer E-5481.....	2.93	
32 17 23 19-0012 SF Hypalon Roof Coating H-25.....	2.52	
32 17 23 19-0013 SF Neoprene Adhesive N-1207.....	2.12	
32 17 23 19-0014 SF GACOSIL S-10 Silicone.....	2.26	
<i>For >2,000, Deduct</i>	-0.25	
32 17 23 19-0015 SF GACOSIL S-20 Silicone.....	2.31	
<i>For >2,000, Deduct</i>	-0.27	
32 17 23 19-0016 SF Urethane Primer/Sealer U-5677	1.73	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 19-0017	SF		Single Component Polyurethane Coating, Ureshield Aluminum U-6006	2.15	
			<i>For >2,000, Deduct</i>	-0.21	
32 17 23 19-0018	SF		Two Component Polyurethane Coating U-62	3.14	
			<i>For >2,000, Deduct</i>	-0.37	
32 17 23 19-0019	SF		Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	2.87	
32 17 23 19-0020	SF		Two Component Polyurethane Coating U-66	3.11	
32 17 23 19-0021	SF		Two Component Polyurethane Coating U-8730	2.96	
32 17 23 19-0022	SF		Two Component Polyurethane Coating U-8782	2.93	
32 17 23 19-0023	SF		Two Component Polyurethane Aliphatic Coating UA-60	3.40	
32 17 23 19-0024	SF		Two Component Polyurethane Aliphatic Coating UA-7090	3.99	
32 17 23 19-0025	SF		Two Component Polyurethane Base Coating UB-64	2.84	
32 17 23 19-0026	SF		Two Component Polyurethane Base Coating UB-8380	2.81	
32 17 23 19-0027	SF		Etching Detergent D-09	1.74	
32 17 23 19-0028	LB		GacoShell Granules Additive To Coating	1.18	
32 17 23 19-0029	LB		Quartz Granules Additive To Coating	1.07	
32 17 23 19-0030	LF		4" Polyester Reinforcing Tape, 66-B	0.14	
32 17 23 19-0031	LF		6" Polyester Reinforcing Tape, 66-B	0.17	
32 17 23 19-0032	LF		4" Sontara Polyester Reinforcing Tape, 66-S	0.20	
32 17 23 19-0033	LF		6" Sontara Polyester Reinforcing Tape, 66-S	0.26	
32 17 23 19-0034	LF		2" Metal Roof Seam Sealing Tape, 66-MR	0.51	
32 17 23 19-0035	LF		3" Metal Roof Seam Sealing Tape, 66-MR	0.77	
32 17 23 19-0036	LF		4" Metal Roof Seam Sealing Tape, 66-MR	0.95	
32 17 23 19-0037	LF		6" Metal Roof Seam Sealing Tape, 66-MR	1.35	
32 17 23 19-0038	GAL		Polyurethane Coating Thinner T-5106	26.39	
32 17 23 19-0039	GAL		Compliant Thinner T-5110	54.97	
32 17 23 19-0040	GAL		Regular Thinner T-5112	15.39	
32 17 23 19-0041	GAL		Polyurethane Coating Thinner T-5116	19.79	
32 17 23 19-0042	GAL		Polyurethane Troweling Thinner T-5118	24.19	
32 17 23 19-0043	GAL		Compliant Thinner T-5125	26.39	
32 17 23 19-0044	GAL		Fast Polyurethane Coating Thinner T-5130	19.79	
32 17 23 19-0045	GAL		Silicone And U-62 Polyurethane Coating Thinner T-5135	19.79	

32 17 23 23 Raised Pavement Markings (32 17 23)

32 17 23 23-0001			Recessed (Plowable) Pavement Markers <small>(32 17 23 23)</small>		
32 17 23 23-0002	EA		One-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	63.71	
32 17 23 23-0003	EA		Two-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	64.58	
32 17 23 23-0004	EA		Remove And Replace Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	16.35	
32 17 23 23-0005	EA		Remove And Replace Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	20.53	

32 17 23 23-0006 Raised Pavement Markers (RPMs) (32 17 23 23)

32 17 23 23-0007	EA		One-Way Reflective, Raised Pavement Marker (RPM)	2.56	
			<i>For >100, Deduct</i>	-0.26	
32 17 23 23-0008	EA		Two-Way Reflective, Raised Pavement Marker (RPM)	2.56	
			<i>For >100, Deduct</i>	-0.26	
32 17 23 23-0009	EA		Round Reflective, Raised Pavement Marker	3.05	
			<i>For >100, Deduct</i>	-0.31	
32 17 23 23-0010	EA		Non-Reflective, Raised Pavement Marker (RPM)	3.30	
			<i>For >100, Deduct</i>	-0.33	

32 17 23 33 Plastic Pavement Markings (32 17 23)

32 17 23 33-0001			Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 33)</small>		
			Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002			Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
			Note: 90 mil thickness.		
32 17 23 33-0003	LF		Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping	0.89	
			<i>For Up To 1 Mile, Add</i>	0.18	
			<i>For >5 Miles, Deduct</i>	-0.13	
			<i>For 60 mils Thick, Deduct</i>	-0.12	
			<i>For 125 mils Thick, Add</i>	0.15	
			<i>For Broken Line, Deduct</i>	-0.50	
32 17 23 33-0004	LF		Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.26	
			<i>For Up To 1 Mile, Add</i>	0.25	
			<i>For >5 Miles, Deduct</i>	-0.19	
			<i>For 60 mils Thick, Deduct</i>	-0.17	
			<i>For 125 mils Thick, Add</i>	0.22	
			<i>For Broken Line, Deduct</i>	-0.74	
32 17 23 33-0005	LF		Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.67	
			<i>For Up To 1 Mile, Add</i>	0.33	
			<i>For >5 Miles, Deduct</i>	-0.25	
			<i>For 60 mils Thick, Deduct</i>	-0.23	
			<i>For 125 mils Thick, Add</i>	0.29	
			<i>For Broken Line, Deduct</i>	-0.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0006 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping	2.43	
<i>For Up To 1 Mile, Add</i>	0.49	
<i>For >5 Miles, Deduct</i>	-0.36	
<i>For 60 mils Thick, Deduct</i>	-0.34	
<i>For 125 mils Thick, Add</i>	0.44	
<i>For Broken Line, Deduct</i>	-1.48	
32 17 23 33-0007 SF >12" Wide Solid Line, Thermoplastic Reflective Pavement Striping	2.74	
<i>For 60 mils Thick, Deduct</i>	-0.34	
<i>For 125 mils Thick, Add</i>	0.44	
32 17 23 33-0008 LF Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.54	
<i>For Up To 1 Mile, Add</i>	0.31	
<i>For >5 Miles, Deduct</i>	-0.23	
<i>For 60 mils Thick, Deduct</i>	-0.23	
<i>For 125 mils Thick, Add</i>	0.29	
<i>For Broken Line On One Side, Deduct</i>	-0.49	
<i>For Double Broken Line, Deduct</i>	-0.98	
32 17 23 33-0009 LF Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.25	
<i>For Up To 1 Mile, Add</i>	0.45	
<i>For >5 Miles, Deduct</i>	-0.34	
<i>For 60 mils Thick, Deduct</i>	-0.34	
<i>For 125 mils Thick, Add</i>	0.44	
<i>For Broken Line On One Side, Deduct</i>	-0.74	
<i>For Double Broken Line, Deduct</i>	-1.48	
32 17 23 33-0010 EA 6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	4.07	
<i>For Up To 10, Add</i>	0.46	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 200, Deduct</i>	-0.31	
<i>For >200, Deduct</i>	-0.62	
<i>For 60 mils Thick, Deduct</i>	-0.17	
<i>For 125 mils Thick, Add</i>	0.22	
32 17 23 33-0011 EA 12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	8.21	
<i>For Up To 10, Add</i>	0.70	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 200, Deduct</i>	-0.47	
<i>For >200, Deduct</i>	-0.93	
<i>For 60 mils Thick, Deduct</i>	-0.62	
<i>For 125 mils Thick, Add</i>	0.80	
32 17 23 33-0012 EA 24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	13.97	
<i>For Up To 10, Add</i>	1.17	
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 200, Deduct</i>	-0.78	
<i>For >200, Deduct</i>	-1.55	
<i>For 60 mils Thick, Deduct</i>	-1.09	
<i>For 125 mils Thick, Add</i>	1.40	
32 17 23 33-0013 EA 36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	26.48	
<i>For Up To 10, Add</i>	2.34	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 200, Deduct</i>	-1.56	
<i>For >200, Deduct</i>	-3.12	
<i>For 60 mils Thick, Deduct</i>	-1.91	
<i>For 125 mils Thick, Add</i>	2.45	
32 17 23 33-0014 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	31.61	
<i>For Up To 10, Add</i>	2.62	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100 To 200, Deduct</i>	-1.75	
<i>For >200, Deduct</i>	-3.49	
<i>For 60 mils Thick, Deduct</i>	-2.48	
<i>For 125 mils Thick, Add</i>	3.19	
32 17 23 33-0015 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	56.93	
<i>For Up To 10, Add</i>	4.66	
<i>For >50 To 100, Deduct</i>	-2.33	
<i>For >100 To 200, Deduct</i>	-3.11	
<i>For >200, Deduct</i>	-6.21	
<i>For 60 mils Thick, Deduct</i>	-4.53	
<i>For 125 mils Thick, Add</i>	5.82	
32 17 23 33-0016 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	75.75	
<i>For Up To 10, Add</i>	6.26	
<i>For >50 To 100, Deduct</i>	-3.13	
<i>For >100 To 200, Deduct</i>	-4.17	
<i>For >200, Deduct</i>	-8.34	
<i>For 60 mils Thick, Deduct</i>	-5.96	
<i>For 125 mils Thick, Add</i>	7.66	
32 17 23 33-0017 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking	127.64	
<i>For Up To 10, Add</i>	7.75	
<i>For >50 To 100, Deduct</i>	-3.87	
<i>For >100 To 200, Deduct</i>	-5.17	
<i>For >200, Deduct</i>	-10.33	
<i>For 60 mils Thick, Deduct</i>	-13.30	
<i>For 125 mils Thick, Add</i>	17.10	
32 17 23 33-0018 SF Letter/Number, Thermoplastic Reflective Pavement Marking	7.12	
<i>For 60 mils Thick, Deduct</i>	-0.43	
<i>For 125 mils Thick, Add</i>	0.55	
32 17 23 33-0019 SY Cross Hatch, Thermoplastic Reflective Pavement Marking	48.54	
<i>For 60 mils Thick, Deduct</i>	-3.09	
<i>For 125 mils Thick, Add</i>	3.97	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0020 EA Handicap Symbol, Thermoplastic Reflective Pavement Marking.....	187.53	
For 60 mils Thick, Deduct	-9.86	
For 125 mils Thick, Add	12.68	
32 17 23 33-0021 SY Solid Area, Thermoplastic Reflective Pavement Marking.....	59.40	
For 60 mils Thick, Deduct	-3.09	
For 125 mils Thick, Add	3.97	
32 17 23 33-0022 EA Railroad Symbol, Thermoplastic Reflective Pavement Marking.....	556.32	
For 60 mils Thick, Deduct	-30.02	
For 125 mils Thick, Add	38.60	
32 17 23 33-0023 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking.....	105.12	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-13.59	
For 125 mils Thick, Add	17.47	
32 17 23 33-0024 EA Diamond Symbol, Thermoplastic Reflective Pavement Marking.....	89.69	
For 60 mils Thick, Deduct	-4.72	
For 125 mils Thick, Add	6.07	
32 17 23 33-0025 SF Symbols, Thermoplastic Reflective Pavement Marking.....	8.15	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.43	
For 125 mils Thick, Add	0.55	
32 17 23 33-0026 EA 10' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	114.14	
For 60 mils Thick, Deduct	-6.00	
For 125 mils Thick, Add	7.72	
32 17 23 33-0027 EA 18' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	203.83	
For 60 mils Thick, Deduct	-10.72	
For 125 mils Thick, Add	13.79	
32 17 23 33-0028 EA 24' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	252.76	
For 60 mils Thick, Deduct	-13.30	
For 125 mils Thick, Add	17.10	
32 17 23 33-0029 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking.....	366.91	
For 60 mils Thick, Deduct	-19.30	
For 125 mils Thick, Add	24.82	
32 17 23 33-0030 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking.....	481.06	
For 60 mils Thick, Deduct	-25.31	
For 125 mils Thick, Add	32.54	
32 17 23 33-0031 EA 24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking.....	342.45	
For 60 mils Thick, Deduct	-18.01	
For 125 mils Thick, Add	23.16	
32 17 23 33-0032 EA 24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking.....	595.20	
For 60 mils Thick, Deduct	-31.31	
For 125 mils Thick, Add	40.25	
32 17 23 33-0033 EA 8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking.....	122.30	
For 60 mils Thick, Deduct	-6.43	
For 125 mils Thick, Add	8.27	
32 17 23 33-0034 EA 24' Arrow, Type V, Thermoplastic Reflective Pavement Marking.....	269.07	
For 60 mils Thick, Deduct	-14.15	
For 125 mils Thick, Add	18.20	
32 17 23 33-0035 EA 18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking.....	342.45	
For 60 mils Thick, Deduct	-18.01	
For 125 mils Thick, Add	23.16	
32 17 23 33-0036 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking.....	220.15	
For 60 mils Thick, Deduct	-11.58	
For 125 mils Thick, Add	14.89	
32 17 23 33-0037 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking.....	293.52	
For 60 mils Thick, Deduct	-15.44	
For 125 mils Thick, Add	19.85	
32 17 23 33-0038 EA 5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking.....	57.08	
For 60 mils Thick, Deduct	-3.00	
For 125 mils Thick, Add	3.86	
32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0040 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.11	
For 60 mils Thick, Deduct	-0.12	
For 125 mils Thick, Add	0.15	
32 17 23 33-0041 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.64	
For 60 mils Thick, Deduct	-0.17	
For 125 mils Thick, Add	0.22	
32 17 23 33-0042 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.24	
For 60 mils Thick, Deduct	-0.23	
For 125 mils Thick, Add	0.29	
32 17 23 33-0043 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	4.64	
For 60 mils Thick, Deduct	-0.34	
For 125 mils Thick, Add	0.44	
32 17 23 33-0044 LF Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	8.28	
For 60 mils Thick, Deduct	-0.69	
For 125 mils Thick, Add	0.89	
32 17 23 33-0045 Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)		
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0046 LF Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	1.85	
For Up To 1 Mile, Add	0.37	
For >5 Miles, Deduct	-0.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0047 LF Single 6" Wide Solid Line, Prefomed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	2.72	
<i>For Up To 1 Mile, Add</i>	0.54	
<i>For >5 Miles, Deduct</i>	-0.41	
32 17 23 33-0048 LF Single 8" Wide Solid Line, Prefomed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	3.62	
<i>For Up To 1 Mile, Add</i>	0.72	
<i>For >5 Miles, Deduct</i>	-0.54	
32 17 23 33-0049 LF Single 12" Wide Solid Line, Prefomed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	5.34	
<i>For Up To 1 Mile, Add</i>	1.07	
<i>For >5 Miles, Deduct</i>	-0.80	
32 17 23 33-0050 SF Prefomed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape.....	15.33	
<i>Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.</i>		
32 17 23 33-0051 EA 6" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	22.68	
<i>For <10, Add</i>	0.84	
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 200, Deduct</i>	-0.56	
<i>For >200, Deduct</i>	-1.13	
32 17 23 33-0052 EA 12" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	39.60	
<i>For <10, Add</i>	1.07	
<i>For >50 To 100, Deduct</i>	-0.54	
<i>For >100 To 200, Deduct</i>	-0.72	
<i>For >200, Deduct</i>	-1.43	
32 17 23 33-0053 EA 24" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	68.34	
<i>For <10, Add</i>	2.12	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100 To 200, Deduct</i>	-1.42	
<i>For >200, Deduct</i>	-2.83	
32 17 23 33-0054 EA 36" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	99.91	
<i>For <10, Add</i>	4.25	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100 To 200, Deduct</i>	-2.83	
<i>For >200, Deduct</i>	-5.66	
32 17 23 33-0055 EA 48" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	116.89	
<i>For <10, Add</i>	4.76	
<i>For >50 To 100, Deduct</i>	-2.38	
<i>For >100 To 200, Deduct</i>	-3.18	
<i>For >200, Deduct</i>	-6.35	
32 17 23 33-0056 EA 72" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	152.17	
<i>For <10, Add</i>	8.47	
<i>For >50 To 100, Deduct</i>	-4.24	
<i>For >100 To 200, Deduct</i>	-5.65	
<i>For >200, Deduct</i>	-11.29	
32 17 23 33-0057 EA 96" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	194.65	
<i>For <10, Add</i>	11.38	
<i>For >50 To 100, Deduct</i>	-5.69	
<i>For >100 To 200, Deduct</i>	-7.59	
<i>For >200, Deduct</i>	-15.17	
32 17 23 33-0058 EA 120" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	243.81	
<i>For <10, Add</i>	14.10	
<i>For >50 To 100, Deduct</i>	-7.05	
<i>For >100 To 200, Deduct</i>	-9.40	
<i>For >200, Deduct</i>	-18.80	
32 17 23 33-0059 SF Prefomed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape.....	15.88	
32 17 23 33-0060 SF Prefomed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape.....	16.91	
<i>Note: Handicap, railroad, diamond symbol, etc.</i>		
32 17 23 33-0061 Prefomed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
<i>Note: Heat applied. 125 mil thickness (90 mil for bicycle symbols). (Flint PreMark or HotTape Series).</i>		
32 17 23 33-0062 EA Prefomed Bike Lane Symbol, Thermoplastic Reflective Pavement Marking Tape.....	121.15	
<i>Note: Approximate overall dimensions: 4' width x 8' height.</i>		
32 17 23 33-0063 EA Prefomed Railroad Crossing Symbol, Thermoplastic Reflective Pavement Marking Tape.....	309.17	
<i>Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.</i>		
32 17 23 33-0064 EA Prefomed Preferential Lane Symbol (Diamond), Thermoplastic Reflective Pavement Marking Tape.....	73.43	
<i>Note: Approximate overall dimensions: 3-1/4' width x 13' height.</i>		
32 17 23 33-0065 EA 6' Height, Prefomed Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	67.08	
<i>Note: Approximate overall dimensions: 2' width x 6' height.</i>		
32 17 23 33-0066 EA 9-1/2' Height, Prefomed Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	110.85	
<i>Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.</i>		
32 17 23 33-0067 EA 4' Height, Prefomed Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	73.90	
<i>Note: Approximate overall dimensions: 3' width x 6' height.</i>		
32 17 23 33-0068 EA 8' Height, Prefomed Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	120.74	
<i>Note: Approximate overall dimensions: 6' width x 8' height.</i>		
32 17 23 33-0069 EA Prefomed Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	191.35	
<i>Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.</i>		
32 17 23 33-0070 EA Prefomed Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	200.27	
<i>Note: Approximate overall dimensions: 13-1/2' width x 12-3/4' height.</i>		
32 17 23 33-0071 EA Prefomed Elongated Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	117.59	
<i>Note: Approximate overall dimensions: 1-2/3' width x 12' height.</i>		
32 17 23 33-0072 EA Prefomed Elongated Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	127.48	
<i>Note: Approximate overall dimensions: 3' width x 12' height.</i>		
32 17 23 33-0073 EA Prefomed Elongated Dual Turn Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	238.58	
<i>Note: Approximate overall dimensions: 5-1/2' width x 12' height.</i>		
32 17 23 33-0074 EA Prefomed Elongated Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape.....	198.92	
<i>Note: Approximate overall dimensions: 3-1/2' width x 20' height.</i>		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0075 EA Preformed Elongated Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking Tape .....208.51 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	208.51	
32 17 23 33-0076 EA Preformed Lane-Reduction Arrow, Thermoplastic Reflective Pavement Marking Tape.....261.31 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	261.31	
32 17 23 33-0077 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
32 17 23 33-0078 Thermoplastic Pavement Marking Tape For Parking Areas (32 17 23 33-0077) Note: Heat applied. (Flint HotTape Series).		
32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, Thermoplastic Pavement Marking Tape For Parking Areas.....45.09 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i> 58.42	45.09	
32 17 23 33-0080 EA 48" Handicap Symbol For Van Parking Stalls, Thermoplastic Pavement Marking Tape For Parking Areas.....52.10 Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i> 68.57	52.10	
32 17 26 Tactile Warning Surfaces (32 17)		
32 17 26 00-0001 Vitriified Polymer Composite (VPC) (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface .....50.27 Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	50.27	6.70
32 17 26 00-0003 SF Cast In Place VPC Truncated Dome Detectable Warning Surface.....41.55 Note: Also raised strips or directional bars. All colors.	41.55	6.70
32 18 Athletic And Recreational Surfacing (32 10)		
32 18 16 Synthetic Resilient Surfacing (32 18)		
32 18 16 13 Playground Protective Surfacing (32 18 16)		
32 18 16 13-0001 Tile Playground Surface Material (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile.....11.64 <i>For Manufacturer's Standard Colors, Add</i> 0.59 <i>For Interlocking Tiles, Add</i> 1.32 <i>For Mechanically Fastened, Add</i> 1.41 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	11.64	1.68
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile.....11.95 <i>For Manufacturer's Standard Colors, Add</i> 0.59 <i>For Interlocking Tiles, Add</i> 1.32 <i>For Mechanically Fastened, Add</i> 1.47 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	11.95	1.79
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile.....12.58 <i>For Manufacturer's Standard Colors, Add</i> 0.59 <i>For Interlocking Tiles, Add</i> 1.32 <i>For Mechanically Fastened, Add</i> 1.60 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	12.58	1.99
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile.....13.21 <i>For Manufacturer's Standard Colors, Add</i> 0.59 <i>For Interlocking Tiles, Add</i> 1.32 <i>For Mechanically Fastened, Add</i> 1.72 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	13.21	2.21
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile.....14.69 <i>For Manufacturer's Standard Colors, Add</i> 0.45 <i>For Interlocking Tiles, Add</i> 1.49 <i>For Mechanically Fastened, Add</i> 1.85 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	14.69	2.42
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile.....15.38 <i>For Manufacturer's Standard Colors, Add</i> 0.45 <i>For Interlocking Tiles, Add</i> 1.49 <i>For Mechanically Fastened, Add</i> 1.99 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	15.38	2.64
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile.....16.12 <i>For Manufacturer's Standard Colors, Add</i> 0.45 <i>For Interlocking Tiles, Add</i> 1.49 <i>For Mechanically Fastened, Add</i> 2.14 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	16.12	2.89
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile.....17.65 <i>For Manufacturer's Standard Colors, Add</i> 0.25 <i>For Interlocking Tiles, Add</i> 1.66 <i>For Mechanically Fastened, Add</i> 2.27 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	17.65	3.09
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile.....18.28 <i>For Manufacturer's Standard Colors, Add</i> 0.25 <i>For Interlocking Tiles, Add</i> 1.66 <i>For Mechanically Fastened, Add</i> 2.39 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	18.28	3.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile..... <i>For Manufacturer's Standard Colors, Add</i> <i>For Interlocking Tiles, Add</i> <i>For Mechanically Fastened, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	18.97 0.25 1.66 2.53 1.50	3.53
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile..... <i>For Manufacturer's Standard Colors, Add</i> <i>For Interlocking Tiles, Add</i> <i>For Mechanically Fastened, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	21.72 0.24 1.95 2.80 1.50	3.98
32 18 16 13-0013 Loose Laid Playground Surface Material <small>(32 18 16 13)</small> Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Surface.....	1.14	0.25
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Surface.....	1.50	0.32
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Surface.....	1.90	0.38
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Surface.....	2.70	0.57
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Surface.....	1.64	0.25
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Surface.....	2.02	0.32
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Surface.....	3.04	0.38
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Surface.....	3.85	0.57
32 18 16 13-0022 SF 8" FIBAR System..... Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	8.93	0.95
32 18 16 13-0023 SF 12" FIBAR System..... Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	11.30	1.26
32 18 16 13-0024 Poured In Place Playground Surfacing <small>(32 18 16 13)</small> Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing..... <i>For Up To 2,000, Add</i> <i>For >2,000 To 3,000, Add</i> <i>For >3,000 To 4,000, Add</i> <i>For >4,000 To 5,000, Add</i> <i>For >5,000 To 7,000, Add</i> <i>For Aliphatic (Non Yellowing) Binder, Add</i> <i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	10.27 2.44 1.71 1.16 0.74 0.30 2.06 -0.27	1.91
32 18 16 13-0026 SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing..... <i>For Up To 2,000, Add</i> <i>For >2,000 To 3,000, Add</i> <i>For >3,000 To 4,000, Add</i> <i>For >4,000 To 5,000, Add</i> <i>For >5,000 To 7,000, Add</i> <i>For Aliphatic (Non Yellowing) Binder, Add</i> <i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	10.58 2.62 1.76 1.19 0.76 0.31 2.06 -0.27	2.11
32 18 16 13-0027 SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing..... <i>For Up To 2,000, Add</i> <i>For >2,000 To 3,000, Add</i> <i>For >3,000 To 4,000, Add</i> <i>For >4,000 To 5,000, Add</i> <i>For >5,000 To 7,000, Add</i> <i>For Aliphatic (Non Yellowing) Binder, Add</i> <i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	11.43 2.72 1.90 1.29 0.82 0.34 2.06 -0.27	2.42
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing..... <i>For Up To 2,000, Add</i> <i>For >2,000 To 3,000, Add</i> <i>For >3,000 To 4,000, Add</i> <i>For >4,000 To 5,000, Add</i> <i>For >5,000 To 7,000, Add</i> <i>For Aliphatic (Non Yellowing) Binder, Add</i> <i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	12.35 2.94 2.06 1.39 0.89 0.36 2.06 -0.27	2.57
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing..... <i>For Up To 2,000, Add</i> <i>For >2,000 To 3,000, Add</i> <i>For >3,000 To 4,000, Add</i> <i>For >4,000 To 5,000, Add</i> <i>For >5,000 To 7,000, Add</i> <i>For Aliphatic (Non Yellowing) Binder, Add</i> <i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	13.26 3.15 2.21 1.50 0.95 0.39 2.06 -0.27	2.70
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing..... <i>For Up To 2,000, Add</i> <i>For >2,000 To 3,000, Add</i> <i>For >3,000 To 4,000, Add</i> <i>For >4,000 To 5,000, Add</i> <i>For >5,000 To 7,000, Add</i> <i>For Aliphatic (Non Yellowing) Binder, Add</i> <i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	14.04 3.34 2.34 1.58 1.01 0.41 2.06 -0.27	2.86

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 18	Athletic And Recreational Surfacing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0031	SF	10'	Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing.....	14.96	3.01
			<i>For Up To 2,000, Add</i>	3.56	
			<i>For >2,000 To 3,000, Add</i>	2.49	
			<i>For >3,000 To 4,000, Add</i>	1.69	
			<i>For >4,000 To 5,000, Add</i>	1.07	
			<i>For >5,000 To 7,000, Add</i>	0.44	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.06	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.27	
32 18 16 13-0032	SF	12'	Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing.....	16.77	3.38
			<i>For Up To 2,000, Add</i>	3.99	
			<i>For >2,000 To 3,000, Add</i>	2.79	
			<i>For >3,000 To 4,000, Add</i>	1.89	
			<i>For >4,000 To 5,000, Add</i>	1.20	
			<i>For >5,000 To 7,000, Add</i>	0.49	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.06	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.27	
32 18 16 13-0033	SF	Top Only (1/2")	Poured In Place Playground Surfacing.....	6.71	
			Note: Not used with new surfacing system tasks.		
			<i>For Up To 2,000, Add</i>	2.45	
			<i>For >2,000 To 3,000, Add</i>	1.57	
			<i>For >3,000 To 4,000, Add</i>	0.95	
			<i>For >4,000 To 5,000, Add</i>	0.57	
			<i>For >5,000 To 7,000, Add</i>	0.26	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.06	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.27	
32 18 16 13-0034	EA		Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	1,876.34	

32 18 23 Athletic Surfacing (32 18)**32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)**

32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)

32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)

32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38).....

For Ambient Rubber And Sand Infill, Add 0.10*For Cryo Rubber Infill, Add* 0.26*For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* 0.31*For Cryo Rubber And Sand Infill, Add* 0.36

32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....

32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....

32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....

Note: Per sport.

32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields.....

Note: Per letter. Excludes outline.

32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....

Note: Per endzone.

32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....

Note: Block letter.

32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....

Note: Graphic.

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)

32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....

For Ambient Rubber And Sand Infill, Add 0.10*For Cryo Rubber Infill, Add* 0.26*For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* 0.31*For Cryo Rubber And Sand Infill, Add* 0.36

32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....

32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....

32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....

Note: Per sport.

32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....

Note: Per letter. Excludes outline.

32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....

Note: Per endzone.

32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....

Note: Block letter.

32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....

Note: Graphic.



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Athletic And Recreational Surfacing	32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0022	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)	
32 18 23 29-0023 SF 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.38	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024 EA Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	13,740.51	
32 18 23 29-0025 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	12,091.65	
32 18 23 29-0026 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields	3,747.41	
Note: Per sport.		
32 18 23 29-0027 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,399.03	
Note: Per letter. Excludes outline.		
32 18 23 29-0028 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields	1,249.14	
Note: Per endzone.		
32 18 23 29-0029 EA Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	10,992.41	
Note: Block letter.		
32 18 23 29-0030 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	15,938.99	
Note: Graphic.		
32 18 23 29-0031	Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)	
32 18 23 29-0032	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)	
32 18 23 29-0033 SF 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.08	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	14,240.08	
32 18 23 29-0035 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	15,189.42	
32 18 23 29-0036 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	4,247.04	
Note: Per sport.		
32 18 23 29-0037 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields	1,598.89	
Note: Per letter. Excludes outline.		
32 18 23 29-0038 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields	1,349.06	
Note: Per endzone.		
32 18 23 29-0039 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	11,991.65	
Note: Block letter.		
32 18 23 29-0040 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	17,387.89	
Note: Graphic.		
32 18 23 29-0041	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)	
32 18 23 29-0042 SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	5.31	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	14,489.91	
32 18 23 29-0044 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	16,888.24	
32 18 23 29-0045 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	4,496.87	
Note: Per sport.		
32 18 23 29-0046 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields	1,698.82	
Note: Per letter. Excludes outline.		
32 18 23 29-0047 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields	1,399.03	
Note: Per endzone.		
32 18 23 29-0048 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	12,491.30	
Note: Block letter.		
32 18 23 29-0049 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	18,112.38	
Note: Graphic.		
32 18 23 29-0050	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)	
32 18 23 29-0051 SF 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	5.32	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052 EA Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	14,739.73	
32 18 23 29-0053 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	16,988.17	
32 18 23 29-0054 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	4,746.69	
Note: Per sport.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,798.75	
Note: Per letter. Excludes outline.		
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,448.99	
Note: Per endzone.		
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	12,990.95	
Note: Block letter.		
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	18,836.88	
Note: Graphic.		
32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	5.45	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	14,989.56	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	18,087.40	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	4,996.52	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	1,998.61	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	1,498.96	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	13,490.60	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	19,561.38	
Note: Graphic.		
32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.04	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	12,741.20	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	9,393.51	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,748.10	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	999.31	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,049.28	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	8,993.79	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	13,041.00	
Note: Graphic.		
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	3.58	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	12,990.95	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	9,993.04	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,997.91	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,099.23	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,099.23	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	9,493.39	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	13,765.41	
Note: Graphic.		
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	8.41	



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Athletic And Recreational Surfacing	32 18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0089	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	7.39	
32 18 23 29-0090	EA		Football Markings For AstroTurf® PureGrass® Fields	24,654.57	
32 18 23 29-0091	EA		Baseball Markings For AstroTurf® PureGrass® Fields	29,290.47	
32 18 23 29-0092	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	7,164.58	
			Note: Per sport.		
32 18 23 29-0093	EA		Endzone Lettering For AstroTurf® PureGrass® Fields.....	2,739.40	
			Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA		Colored Endzone For AstroTurf® PureGrass® Fields.....	2,033.37	
			Note: Per endzone.		
32 18 23 29-0095	EA		Simple Logo For AstroTurf® PureGrass® Fields.....	18,300.30	
			Note: Block letter.		
32 18 23 29-0096	EA		Deluxe Logo For AstroTurf® PureGrass® Fields	26,867.16	
			Note: Graphic.		
32 18 23 29-0097			Synthetic Turf (G9 Turf) (32 18 23 29-0001)		
			Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF		2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf).....	5.29	
			Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
			For >35,000, Deduct	-0.49	
32 18 23 29-0099	SF		2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	5.25	
			Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
			For >35,000, Deduct	-0.49	
32 18 23 29-0100	SF		1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	5.46	
			Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA		Football Inlays For G9 Synthetic Turf	34,083.57	
			Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA		Soccer Inlays For G9 Synthetic Turf	14,769.55	
32 18 23 29-0103	EA		Boys Lacrosse Inlays For G9 Synthetic Turf.....	14,769.55	
32 18 23 29-0104	EA		Girls Lacrosse Inlays For G9 Synthetic Turf	14,769.55	
32 18 23 29-0105	EA		Field Hockey Inlays For G9 Synthetic Turf.....	14,769.55	
32 18 23 29-0106	EA		Endzone Lettering For G9 Synthetic Turf	1,704.18	
			Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF		Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.60	
32 18 23 29-0108	SF		Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.17	
32 18 23 29-0109	SF		Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.19	
32 18 23 29-0110	SF		Sand Infill For G9 Synthetic Turf.....	0.60	
32 18 23 29-0111	SF		Acrylic Coated Sand Infill For G9 Synthetic Turf.....	0.98	
32 18 23 29-0112	EA		Gmax Compaction And Hardness Test For G9 Synthetic Turf	1,136.12	
			Note: Includes a comprehensive report.		
32 18 23 29-0113	EA		Safety Bridge Over Track For G9 Synthetic Turf	11,361.19	
32 18 23 29-0114	SF		Clean And Groom Synthetic Turf	0.37	
			Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
			For >10,000 To 30,000, Deduct	-0.15	
			For >30,000 To 60,000, Deduct	-0.26	
			For >60,000, Deduct	-0.28	
32 18 23 29-0115	SF		Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	2.55	
			Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF		Rejuvenate Synthetic Turf For Installation Of New Infill.....	2.83	
			Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF		Drainage Layer For G9 Synthetic Turf	2.32	
			Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118	SF		15 mm, Shock Pad For G9 Synthetic Turf	1.43	
			Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA		Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf	2,264.20	
			Note: Includes field inspection and report.		
32 18 23 29-0120	LF		Repair Inlay Lines Or Seams On G9 Synthetic Turf	6.23	
			Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF		Nailer Used To Attach G9 Synthetic Turf.....	2.49	
32 18 23 29-0122	SF		Remove And Recycle Existing Field.....	1.75	
			Note: Includes removal, shipping and recycling of infill, fibers and backing.		
32 18 23 33			Running Track Surfacing (32 18 23)		
32 18 23 33-0001			Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002	SY		2-1/2" Asphaltic Concrete Running Track Surfacing.....	24.77	
32 18 23 33-0003			Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004	SY		1 Seal Coat, Striping Of Track.....	13.93	
			Note: Includes certification.		
32 18 23 39			Synthetic Running Track Surfacing (32 18 23)		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 18	Athletic And Recreational Surfacing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0001			Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39) Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	35.63	
			For Up To 4,000, Add	12.47	
			For >5,500, Deduct	-3.92	
32 18 23 39-0003	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	47.81	
			For Up To 4,000, Add	16.73	
			For >5,500, Deduct	-5.26	
			For Custom Color Upgrade, Add	4.54	
			For Aliphatic Top Coating, Add	8.61	
32 18 23 39-0004	SY		Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500)	80.36	
			For Up To 4,000, Add	28.13	
			For >5,500, Deduct	-4.82	
			For Custom Color Upgrade, Add	6.19	
			For Aliphatic Top Coating, Add	11.49	
32 18 23 39-0005	SY		Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000)	103.80	
			For Up To 4,000, Add	36.33	
			For >5,500, Deduct	-6.23	
			For Custom Color Upgrade, Add	8.10	
			For Aliphatic Top Coating, Add	11.83	
32 18 23 39-0006	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning)	32.46	
			For Up To 4,000, Add	11.36	
			For >5,500, Deduct	-3.57	
32 18 23 39-0007	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator)	36.53	
			For Up To 4,000, Add	12.79	
			For >5,500, Deduct	-5.30	
32 18 23 39-0008	SY		Spray Retop XPLODE™ M100/MS200 Running Tracks	32.09	
			For Up To 4,000, Add	11.23	
			For >5,500, Deduct	-3.14	
32 18 23 39-0009	SY		Sandwich Retop XPLODE™ MSX500 Running Tracks	62.11	
			For Up To 4,000, Add	21.74	
			For >5,500, Deduct	-6.55	
32 18 23 39-0010	SY		Retop XPLODE™ Plexitrac® Lightning Running Tracks Note: Two layers.	18.06	
			For Up To 4,000, Add	6.32	
			For >5,500, Deduct	-2.99	
32 18 23 39-0011	SY		Retop XPLODE™ Plexitrac® Accelerator Running Tracks Note: Two layers.	22.00	
			For Up To 4,000, Add	7.70	
			For >5,500, Deduct	-2.99	
32 18 23 39-0012	EA		Restripe XPLODE™ Running Track Note: Includes two coats of acrylic resurfacer and two coats of color. For College Track Restriping, Add	7,467.62 1,357.75	
32 18 23 53			Tennis Court Surfacing (32 18 23)		
32 18 23 53-0001			Tennis Court Surfacing (32 18 23 53) See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002	SY		Tennis Court Bituminous Pavement, 2-1/2" Thick	25.64	
32 18 23 53-0003	SY		Resurface Tennis Court Bituminous Pavement	7.02	
32 18 23 53-0004			Tennis Court Markings (32 18 23 53)		
32 18 23 53-0005	EA		Paint Markings On Asphalt Tennis Court 2 Coats	363.25	
32 18 23 56			Natural Tennis Court Surfacing (32 18 23)		
32 18 23 56-0001	SY		Clay Tennis Court	36.52	
32 18 23 56-0002	SY		Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	40.61	
32 18 23 56-0003	SY		Tennis Court, Rubber-Cork Base Resilient Pavement	17.14	
32 18 23 56-0004	SY		Resurface Clay Tennis Court	10.69	
32 18 23 56-0005	SY		Resurface Tennis Court, Pulverized Natural Greenstone	9.08	
32 18 23 56-0006	SY		Resurface Tennis Court, Resilient Pavement	6.33	
32 18 23 61			Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)		
32 18 23 61-0001			100% Acrylic Athletic Surfacing System (California Products Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002			Surface Preparation For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.76	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.60	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.19	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	89.33	
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (California Products Plexipave®) <small>(32 18 23 61-0001)</small>		
Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	2.28	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
<i>For Pacific Blue, Add</i>		0.12
<i>For US Open Blue, Add</i>		0.43
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	1.87	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
<i>For Pacific Blue, Add</i>		0.09
<i>For US Open Blue, Add</i>		0.31
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	1.64	
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
<i>For Pacific Blue, Add</i>		0.07
<i>For US Open Blue, Add</i>		0.24
32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	1.65	
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
<i>For Pacific Blue, Add</i>		0.04
<i>For US Open Or Australian Open Blue, Add</i>		0.29
<i>For Pro Purple, Add</i>		0.63
32 18 23 61-0012 Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) <small>(32 18 23 61-0001)</small>		
32 18 23 61-0013 SY Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat.....	1.05	
Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.		
32 18 23 61-0014 Line Striping For Athletic Surfacing System (California Products Plexipave®) <small>(32 18 23 61-0001)</small>		
32 18 23 61-0015 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®).....	4.76	
Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0016 Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) <small>(32 18 23 61-0001)</small>		
32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	3.36	
Note: Applied with rubber squeegee.		
32 18 23 61-0018 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	4.53	
Note: Applied with rubber squeegee.		
32 18 23 61-0019 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	3.92	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	2.97	
Note: Applied with rubber squeegee.		
32 18 23 61-0021 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	2.30	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.		

32 30 Site Improvements (32)

32 31 Fences And Gates (32 30)

32 31 11 Gate Operators (32 31)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0001 Gate Operators <small>(32 31 11)</small> Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002 Swing Gate Actuator <small>(32 31 11 00-0001)</small>		
32 31 11 00-0003 Single Gate, Swing Gate Actuator <small>(32 31 11 00-0002)</small>		
32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,374.95	166.22
Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,667.45	166.22
Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006 Dual Gate, Swing Gate Actuator <small>(32 31 11 00-0002)</small>		
32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,307.39	332.45
Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,892.39	332.45
Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0009 Swing Gate Operators <small>(32 31 11 00-0001)</small>		
32 31 11 00-0010 Single Gate, Swing Gate Operators <small>(32 31 11 00-0009)</small>		
32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	1,847.45	166.22
Note: Includes one primary operator with a 10' wide and 400# gate capacity.		
32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	1,997.45	166.22
Note: Includes one primary operator with a 14' wide and 500# gate capacity.		
32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	2,522.45	166.22
Note: Includes one primary operator with an 18' wide and 700# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	2,844.95	166.22
Note: Includes one primary operator with a 22' wide and 800# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015 Dual Gate, Swing Gate Operators <small>(32 31 11 00-0009)</small>		
32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	3,760.89	332.45
Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.		
32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	4,060.89	332.45
Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.		
32 31 11 00-0018 EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	4,647.39	332.45
Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0019 EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	5,322.39	332.45
Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0020 Sliding Gate Operators <small>(32 31 11 00-0001)</small> Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0021 EA 300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,509.95	166.22
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022 EA 500 LB Capacity, Up To 22' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9070)	1,997.45	166.22
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023 EA 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,176.44	199.46
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024 EA 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	2,641.44	199.46
Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025 EA 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	4,320.42	232.71
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026 EA 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	5,130.42	232.71
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	6,696.91	265.95
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	9,531.91	265.95
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029 EA 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	23,090.90	299.20
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0030	Accessories For Gate Actuators And Operators (32 31 11 00-0001)		
32 31 11 00-0031	EA Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	382.33	
32 31 11 00-0032	EA Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	748.92	
32 31 11 00-0033	EA Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	425.48	
32 31 11 00-0034	EA Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	491.96	
32 31 11 00-0035	EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	386.21	
32 31 11 00-0036	EA Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	304.46	
32 31 11 00-0037	LF #40 Chain For Sliding Gate Operators.....	5.16	
32 31 11 00-0038	LF #41 Chain For Sliding Gate Operators.....	4.04	
32 31 11 00-0039	LF #50 Chain For Sliding Gate Operators.....	7.04	
32 31 11 00-0040	LF #60 Chain For Sliding Gate Operators.....	7.78	
32 31 13	Chain Link Fences And Gates (32 31)		
32 31 13 00-0001	Post Holes (32 31 13) Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0024 for core drilling in concrete, 02 41 19 13-0138 for core drilling in asphalt.		
32 31 13 00-0002	Drilling Post Hole In Soil (32 31 13 00-0001) Note: Auger by machine unless otherwise notified by owner.		
32 31 13 00-0003	VLF Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	7.40	
32 31 13 00-0004	VLF 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	8.33	
32 31 13 00-0005	VLF 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	9.87	
32 31 13 00-0006	VLF 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.10	
32 31 13 00-0007	VLF 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	12.12	
32 31 13 00-0008	VLF 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.32	
32 31 13 00-0009	VLF 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.81	
32 31 13 00-0010	VLF 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.66	
32 31 13 00-0011	VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	19.04	
32 31 13 00-0012	VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	22.20	
32 31 13 00-0013	VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	26.65	
32 31 13 00-0014	VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	33.31	
32 31 13 00-0015	Drilling Post Hole In Rock (32 31 13 00-0001)		
32 31 13 00-0016	CF Jackhammer Post Hole, Rock.....	53.58	
32 31 13 00-0017	CF Rock Drill Post Hole, Rock.....	16.71	
32 31 13 00-0018	Post Hole Fill (32 31 13 00-0001) See CSI section 03 21 00 00-0000 for reinforcing bars.		
32 31 13 00-0019	Concrete Fill (32 31 13 00-0018)		
32 31 13 00-0020	VLF Concrete Fill, Up To 2-1/2" Diameter Hole.....	4.38	
32 31 13 00-0021	VLF Concrete Fill, 2-1/2" Diameter Hole.....	5.62	
32 31 13 00-0022	VLF Concrete Fill, 3" Diameter Hole.....	6.20	
32 31 13 00-0023	VLF Concrete Fill, 4" Diameter Hole.....	7.11	
32 31 13 00-0024	VLF Concrete Fill, 6" Diameter Hole.....	10.03	
32 31 13 00-0025	VLF Concrete Fill, 8" Diameter Hole.....	13.38	
32 31 13 00-0026	VLF Concrete Fill, 10" Diameter Hole.....	16.36	
32 31 13 00-0027	VLF Concrete Fill, 12" Diameter Hole.....	19.08	
32 31 13 00-0028	VLF Concrete Fill, 18" Diameter Hole.....	25.97	
32 31 13 00-0029	VLF Concrete Fill, 24" Diameter Hole.....	32.20	
32 31 13 00-0030	VLF Concrete Fill, 30" Diameter Hole.....	38.27	
32 31 13 00-0031	VLF Concrete Fill, 36" Diameter Hole.....	44.59	
32 31 13 00-0032	Grout Fill (32 31 13 00-0018)		
32 31 13 00-0033	VLF Grout Fill, Up To 2-1/2" Diameter Hole.....	5.19	
32 31 13 00-0034	VLF Grout Fill, 2-1/2" Diameter Hole.....	6.70	
32 31 13 00-0035	VLF Grout Fill, 3" Diameter Hole.....	7.29	
32 31 13 00-0036	VLF Grout Fill, 4" Diameter Hole.....	8.19	
32 31 13 00-0037	VLF Grout Fill, 6" Diameter Hole.....	11.42	
32 31 13 00-0038	VLF Grout Fill, 8" Diameter Hole.....	15.25	
32 31 13 00-0039	VLF Grout Fill, 10" Diameter Hole.....	18.58	
32 31 13 00-0040	VLF Grout Fill, 12" Diameter Hole.....	21.56	
32 31 13 00-0041	VLF Grout Fill, 18" Diameter Hole.....	28.81	
32 31 13 00-0042	VLF Grout Fill, 24" Diameter Hole.....	35.18	
32 31 13 00-0043	VLF Grout Fill, 30" Diameter Hole.....	41.35	
32 31 13 00-0044	VLF Grout Fill, 36" Diameter Hole.....	47.66	
32 31 13 00-0045	Earth Fill, Compacted (32 31 13 00-0018)		
32 31 13 00-0046	VLF Earth Fill, Up To 2-1/2" Diameter Hole.....	3.69	
32 31 13 00-0047	VLF Earth Fill, 2-1/2" Diameter Hole.....	4.82	
32 31 13 00-0048	VLF Earth Fill, 3" Diameter Hole.....	5.04	
32 31 13 00-0049	VLF Earth Fill, 4" Diameter Hole.....	5.19	
32 31 13 00-0050	VLF Earth Fill, 6" Diameter Hole.....	6.92	
32 31 13 00-0051	VLF Earth Fill, 8" Diameter Hole.....	9.23	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13 00-0052	VLF	Earth Fill, 10" Diameter Hole.....	11.08	
	32 31 13 00-0053	VLF	Earth Fill, 12" Diameter Hole.....	12.56	
	32 31 13 00-0054	VLF	Earth Fill, 18" Diameter Hole.....	15.31	
	32 31 13 00-0055	VLF	Earth Fill, 24" Diameter Hole.....	17.17	
	32 31 13 00-0056	VLF	Earth Fill, 30" Diameter Hole.....	18.84	
	32 31 13 00-0057	VLF	Earth Fill, 36" Diameter Hole.....	20.31	
	32 31 13 00-0058		Fence Posts <small>(32 31 13)</small>		
			Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0001 for drilling for augering holes.		
	32 31 13 00-0059		Fence Posts <small>(32 31 13 00-0058)</small>		
	32 31 13 00-0060		1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel <small>(32 31 13 00-0059)</small>		
			Note: Includes cap and accessories.		
	32 31 13 00-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	8.56	1.91
			<i>For Each Top Rail Fitting, Add</i>	0.85	
	32 31 13 00-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	8.00	1.63
			<i>For Each Top Rail Fitting, Add</i>	0.85	
	32 31 13 00-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	7.35	1.35
			<i>For Each Top Rail Fitting, Add</i>	0.85	
	32 31 13 00-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	6.82	1.06
			<i>For Each Top Rail Fitting, Add</i>	0.85	
	32 31 13 00-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	6.46	0.92
			<i>For Each Top Rail Fitting, Add</i>	0.85	
	32 31 13 00-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	5.91	0.63
			<i>For Each Top Rail Fitting, Add</i>	0.85	
	32 31 13 00-0067		Post Without Top Rail Fitting, Galvanized Steel, (1.66" Nominal) <small>(32 31 13 00-0059)</small>		
			Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
	32 31 13 00-0068	LF	1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	6.16	1.77
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.61	
	32 31 13 00-0069	LF	1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	5.61	1.48
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.56	
	32 31 13 00-0070	LF	1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.00	1.21
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.50	
	32 31 13 00-0071	LF	1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	4.53	0.92
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.45	
	32 31 13 00-0072	LF	1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.22	0.78
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.42	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0073 LF 1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	3.87	0.63
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.38	
32 31 13 00-0074 Post Without Top Rail Fitting, Galvanized Steel, (1.90" Nominal) (32 31 13 00-0059)		
Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0075 LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	6.86	1.84
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.90	
32 31 13 00-0076 LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	6.38	1.55
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.85	
32 31 13 00-0077 LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.73	1.28
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.79	
32 31 13 00-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	5.22	0.99
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.74	
32 31 13 00-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.89	0.85
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.71	
32 31 13 00-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	4.57	0.71
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.67	

32 31 13 00-0081 Post Without Top Rail Fitting, Galvanized Steel, (2.375" Nominal) (32 31 13 00-0059)
 Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	8.13	1.98
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.43	
32 31	13 00-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	7.57	1.70
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.38	
32 31	13 00-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	6.92	1.35
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.31	
32 31	13 00-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	6.39	1.06
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.26	
32 31	13 00-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	6.03	0.92
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.22	
32 31	13 00-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	5.70	0.71
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.19	
32 31	13 00-0088		Post Without Top Rail Fitting, Galvanized Steel, (2.875" Nominal) <small>(32 31 13 00-0059)</small>		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31	13 00-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	10.61	2.13
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.59	
			<i>For Vinyl Coated, Add</i>	3.82	
			<i>For Powder Coated, Add</i>	5.09	
			<i>For Aluminum Coated, Add</i>	7.95	
			<i>For Schedule 20, Deduct</i>	-1.27	
			<i>For Schedule 80, Add</i>	3.48	
32 31	13 00-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	10.02	1.84
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.59	
			<i>For Vinyl Coated, Add</i>	3.82	
			<i>For Powder Coated, Add</i>	5.09	
			<i>For Aluminum Coated, Add</i>	7.95	
			<i>For Schedule 20, Deduct</i>	-1.27	
			<i>For Schedule 80, Add</i>	3.42	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	9.31	1.48
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.35	
32 31 13 00-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	8.72	1.21
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.29	
32 31 13 00-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	8.33	0.99
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.25	
32 31 13 00-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length.....	7.96	0.78
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.21	
32 31 13 00-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) (32 31 13 00-0095)		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	14.82	2.27
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.41	
32 31 13 00-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	14.07	1.84
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.34	
32 31 13 00-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	13.45	1.55
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.27	
32 31 13 00-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	12.83	1.28
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.21	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.83	1.28
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.59	
			<i>For Vinyl Coated, Add</i>	6.20	
			<i>For Powder Coated, Add</i>	8.27	
			<i>For Aluminum Coated, Add</i>	12.93	
			<i>For Schedule 20, Deduct</i>	-2.07	
			<i>For Schedule 80, Add</i>	5.21	
32 31	13 00-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length.....	12.11	0.92
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.59	
			<i>For Vinyl Coated, Add</i>	6.20	
			<i>For Powder Coated, Add</i>	8.27	
			<i>For Aluminum Coated, Add</i>	12.93	
			<i>For Schedule 20, Deduct</i>	-2.07	
			<i>For Schedule 80, Add</i>	5.14	
32 31	13 00-0102		Post Without Top Rail Fitting, Galvanized Steel, (6.625" Nominal) <small>(32 31 13 00-0059)</small>		
			<small>Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31	13 00-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	26.89	2.47
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	11.02	
32 31	13 00-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	26.09	2.05
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.94	
32 31	13 00-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	25.37	1.70
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.87	
32 31	13 00-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	24.68	1.35
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.80	
32 31	13 00-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.28	1.21
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.76	
32 31	13 00-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	23.89	0.99
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.72	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0109 Post Without Top Rail Fitting, Galvanized Steel, (8.625" Nominal) <small>(32 31 13 00-0059)</small>		
<i>Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.</i>		
32 31 13 00-0110 LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	50.44	2.76
<i>For Each Top Rail Fitting, Add</i>		
<i>For Each Single Barbed Wire Arm, Add</i>		
<i>For Each Double Barbed Wire Arm, Add</i>		
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
<i>For Vinyl Coated, Add</i>		
<i>For Powder Coated, Add</i>		
<i>For Aluminum Coated, Add</i>		
<i>For Schedule 20, Deduct</i>		
<i>For Schedule 80, Add</i>		
32 31 13 00-0111 LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	49.53	2.34
<i>For Each Top Rail Fitting, Add</i>		
<i>For Each Single Barbed Wire Arm, Add</i>		
<i>For Each Double Barbed Wire Arm, Add</i>		
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
<i>For Vinyl Coated, Add</i>		
<i>For Powder Coated, Add</i>		
<i>For Aluminum Coated, Add</i>		
<i>For Schedule 20, Deduct</i>		
<i>For Schedule 80, Add</i>		
32 31 13 00-0112 LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	48.75	1.91
<i>For Each Top Rail Fitting, Add</i>		
<i>For Each Single Barbed Wire Arm, Add</i>		
<i>For Each Double Barbed Wire Arm, Add</i>		
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
<i>For Vinyl Coated, Add</i>		
<i>For Powder Coated, Add</i>		
<i>For Aluminum Coated, Add</i>		
<i>For Schedule 20, Deduct</i>		
<i>For Schedule 80, Add</i>		
32 31 13 00-0113 LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	47.96	1.48
<i>For Each Top Rail Fitting, Add</i>		
<i>For Each Single Barbed Wire Arm, Add</i>		
<i>For Each Double Barbed Wire Arm, Add</i>		
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
<i>For Vinyl Coated, Add</i>		
<i>For Powder Coated, Add</i>		
<i>For Aluminum Coated, Add</i>		
<i>For Schedule 20, Deduct</i>		
<i>For Schedule 80, Add</i>		
32 31 13 00-0114 LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	47.54	1.28
<i>For Each Top Rail Fitting, Add</i>		
<i>For Each Single Barbed Wire Arm, Add</i>		
<i>For Each Double Barbed Wire Arm, Add</i>		
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
<i>For Vinyl Coated, Add</i>		
<i>For Powder Coated, Add</i>		
<i>For Aluminum Coated, Add</i>		
<i>For Schedule 20, Deduct</i>		
<i>For Schedule 80, Add</i>		
32 31 13 00-0115 LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	47.11	1.06
<i>For Each Top Rail Fitting, Add</i>		
<i>For Each Single Barbed Wire Arm, Add</i>		
<i>For Each Double Barbed Wire Arm, Add</i>		
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
<i>For Vinyl Coated, Add</i>		
<i>For Powder Coated, Add</i>		
<i>For Aluminum Coated, Add</i>		
<i>For Schedule 20, Deduct</i>		
<i>For Schedule 80, Add</i>		

32 31 13 00-0116 Chain Link Fence Assemblies (32 31 13)

32 31 13 00-0117 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 00-0116)

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0616 for barb wire attachments.

32 31 13 00-0118 Galvanized (32 31 13 00-0117)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0119	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	17.78	2.41
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	0.94	
			<i>For 13 Gauge Fabric, Deduct</i>	-2.90	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.70	
			<i>For 6 Gauge Fabric, Add</i>	2.66	
			<i>For 1" Mesh Fabric, Add</i>	3.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.45	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.73	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.97	
			<i>For Posts 8' On Centers, Add</i>	1.00	
			<i>For Posts 5' On Centers, Add</i>	3.81	
			<i>For Up To 100, Add</i>	3.61	
			<i>For >100 To 250, Add</i>	1.36	
			<i>For >2,500 To 5,000, Deduct</i>	-0.68	
			<i>For >5,000, Deduct</i>	-1.36	
32 31	13 00-0120	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	18.52	2.41
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	0.96	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.11	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.81	
			<i>For 6 Gauge Fabric, Add</i>	2.85	
			<i>For 1" Mesh Fabric, Add</i>	3.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.78	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.04	
			<i>For Posts 8' On Centers, Add</i>	1.04	
			<i>For Posts 5' On Centers, Add</i>	3.96	
			<i>For Up To 100, Add</i>	3.74	
			<i>For >100 To 250, Add</i>	1.41	
			<i>For >2,500 To 5,000, Deduct</i>	-0.70	
			<i>For >5,000, Deduct</i>	-1.41	
32 31	13 00-0121	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	19.16	2.41
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	0.97	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.28	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.91	
			<i>For 6 Gauge Fabric, Add</i>	3.01	
			<i>For 1" Mesh Fabric, Add</i>	4.10	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.82	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.09	
			<i>For Posts 8' On Centers, Add</i>	1.07	
			<i>For Posts 5' On Centers, Add</i>	4.08	
			<i>For Up To 100, Add</i>	3.85	
			<i>For >100 To 250, Add</i>	1.44	
			<i>For >2,500 To 5,000, Deduct</i>	-0.72	
			<i>For >5,000, Deduct</i>	-1.44	
32 31	13 00-0122	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	20.67	2.41
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.00	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.69	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.16	
			<i>For 6 Gauge Fabric, Add</i>	3.39	
			<i>For 1" Mesh Fabric, Add</i>	4.62	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.85	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.92	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.23	
			<i>For Posts 8' On Centers, Add</i>	1.15	
			<i>For Posts 5' On Centers, Add</i>	4.37	
			<i>For Up To 100, Add</i>	4.10	
			<i>For >100 To 250, Add</i>	1.54	
			<i>For >2,500 To 5,000, Deduct</i>	-0.77	
			<i>For >5,000, Deduct</i>	-1.54	
32 31	13 00-0123	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	22.52	2.41
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.07	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.11	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.40	
			<i>For 6 Gauge Fabric, Add</i>	3.77	
			<i>For 1" Mesh Fabric, Add</i>	5.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.03	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.37	
			<i>For Posts 8' On Centers, Add</i>	1.25	
			<i>For Posts 5' On Centers, Add</i>	4.75	
			<i>For Up To 100, Add</i>	4.45	
			<i>For >100 To 250, Add</i>	1.66	
			<i>For >2,500 To 5,000, Deduct</i>	-0.83	
			<i>For >5,000, Deduct</i>	-1.66	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0124	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	23.61	3.61
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.11	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.35	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.54	
			<i>For 6 Gauge Fabric, Add</i>	3.99	
			<i>For 1" Mesh Fabric, Add</i>	5.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.09	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.45	
			<i>For Posts 8' On Centers, Add</i>	1.31	
			<i>For Posts 5' On Centers, Add</i>	4.97	
			<i>For Up To 100, Add</i>	4.65	
			<i>For >100 To 250, Add</i>	1.74	
			<i>For >2,500 To 5,000, Deduct</i>	-0.87	
			<i>For >5,000, Deduct</i>	-1.74	
32 31	13 00-0125	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	26.57	4.21
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.18	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.13	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.99	
			<i>For 6 Gauge Fabric, Add</i>	4.71	
			<i>For 1" Mesh Fabric, Add</i>	6.42	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.57	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.28	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.71	
			<i>For Posts 8' On Centers, Add</i>	1.47	
			<i>For Posts 5' On Centers, Add</i>	5.55	
			<i>For Up To 100, Add</i>	5.17	
			<i>For >100 To 250, Add</i>	1.92	
			<i>For >2,500 To 5,000, Deduct</i>	-0.96	
			<i>For >5,000, Deduct</i>	-1.92	
32 31	13 00-0126	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	28.47	5.42
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.24	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.59	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.27	
			<i>For 6 Gauge Fabric, Add</i>	5.13	
			<i>For 1" Mesh Fabric, Add</i>	7.00	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.80	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.40	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.87	
			<i>For Posts 8' On Centers, Add</i>	1.57	
			<i>For Posts 5' On Centers, Add</i>	5.93	
			<i>For Up To 100, Add</i>	5.51	
			<i>For >100 To 250, Add</i>	2.04	
			<i>For >2,500 To 5,000, Deduct</i>	-1.02	
			<i>For >5,000, Deduct</i>	-2.04	
32 31	13 00-0127	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	30.36	6.02
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.29	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.05	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.54	
			<i>For 6 Gauge Fabric, Add</i>	5.56	
			<i>For 1" Mesh Fabric, Add</i>	7.58	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.52	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.02	
			<i>For Posts 8' On Centers, Add</i>	1.67	
			<i>For Posts 5' On Centers, Add</i>	6.31	
			<i>For Up To 100, Add</i>	5.85	
			<i>For >100 To 250, Add</i>	2.17	
			<i>For >2,500 To 5,000, Deduct</i>	-1.08	
			<i>For >5,000, Deduct</i>	-2.17	
32 31	13 00-0128	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	33.90	7.23
			<i>For Each Additional Foot >12, Add</i>	3.15	
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.40	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.90	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.03	
			<i>For 6 Gauge Fabric, Add</i>	6.34	
			<i>For 1" Mesh Fabric, Add</i>	8.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.46	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.73	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.30	
			<i>For Posts 8' On Centers, Add</i>	1.86	
			<i>For Posts 5' On Centers, Add</i>	7.01	
			<i>For Up To 100, Add</i>	6.49	
			<i>For >100 To 250, Add</i>	2.40	
			<i>For >2,500 To 5,000, Deduct</i>	-1.20	
			<i>For >5,000, Deduct</i>	-2.40	
32 31	13 00-0129		Vinyl Coated <small>(32 31 13 00-0117)</small>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0130	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	20.04	2.41
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.55	
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	0.97	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.58	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.09	
			<i>For 6 Gauge Fabric, Add</i>	3.29	
			<i>For 1" Mesh Fabric, Add</i>	4.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.79	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.90	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.20	
			<i>For Posts 8' On Centers, Add</i>	1.12	
			<i>For Posts 5' On Centers, Add</i>	4.24	
			<i>For Up To 100, Add</i>	3.98	
			<i>For >100 To 250, Add</i>	1.49	
			<i>For >2,500 To 5,000, Deduct</i>	-0.74	
			<i>For >5,000, Deduct</i>	-1.49	
32 31	13 00-0131	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	21.77	2.41
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.76	
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.00	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.08	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.38	
			<i>For 6 Gauge Fabric, Add</i>	3.74	
			<i>For 1" Mesh Fabric, Add</i>	5.10	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.02	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.36	
			<i>For Posts 8' On Centers, Add</i>	1.21	
			<i>For Posts 5' On Centers, Add</i>	4.57	
			<i>For Up To 100, Add</i>	4.27	
			<i>For >100 To 250, Add</i>	1.59	
			<i>For >2,500 To 5,000, Deduct</i>	-0.80	
			<i>For >5,000, Deduct</i>	-1.59	
32 31	13 00-0132	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	24.77	2.41
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.11	
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.07	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.89	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.86	
			<i>For 6 Gauge Fabric, Add</i>	4.49	
			<i>For 1" Mesh Fabric, Add</i>	6.12	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.45	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.22	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.63	
			<i>For Posts 8' On Centers, Add</i>	1.37	
			<i>For Posts 5' On Centers, Add</i>	5.15	
			<i>For Up To 100, Add</i>	4.78	
			<i>For >100 To 250, Add</i>	1.77	
			<i>For >2,500 To 5,000, Deduct</i>	-0.89	
			<i>For >5,000, Deduct</i>	-1.77	
32 31	13 00-0133	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	26.23	3.61
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.27	
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.11	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.26	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.07	
			<i>For 6 Gauge Fabric, Add</i>	4.83	
			<i>For 1" Mesh Fabric, Add</i>	6.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.32	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.76	
			<i>For Posts 8' On Centers, Add</i>	1.44	
			<i>For Posts 5' On Centers, Add</i>	5.44	
			<i>For Up To 100, Add</i>	5.04	
			<i>For >100 To 250, Add</i>	1.87	
			<i>For >2,500 To 5,000, Deduct</i>	-0.93	
			<i>For >5,000, Deduct</i>	-1.87	
32 31	13 00-0134	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	29.62	4.21
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.67	
			<i>For Installation In Concrete (Excludes Drilling), Add</i>	1.18	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.19	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.61	
			<i>For 6 Gauge Fabric, Add</i>	5.68	
			<i>For 1" Mesh Fabric, Add</i>	7.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.10	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.55	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.06	
			<i>For Posts 8' On Centers, Add</i>	1.62	
			<i>For Posts 5' On Centers, Add</i>	6.10	
			<i>For Up To 100, Add</i>	5.63	
			<i>For >100 To 250, Add</i>	2.07	
			<i>For >2,500 To 5,000, Deduct</i>	-1.04	
			<i>For >5,000, Deduct</i>	-2.07	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0135 LF 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	31.74	5.42
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.90	
For Installation In Concrete (Excludes Drilling), Add	1.24	
For 13 Gauge Fabric, Deduct	-6.73	
For 11 Gauge Fabric, Deduct	-3.93	
For 6 Gauge Fabric, Add	6.18	
For 1" Mesh Fabric, Add	8.42	
For 1-3/4" Mesh Fabric, Add	3.37	
For 2-1/8" Mesh Fabric, Deduct	-1.68	
For 2-3/8" Mesh Fabric, Deduct	-2.25	
For Posts 8' On Centers, Add	1.74	
For Posts 5' On Centers, Add	6.52	
For Up To 100, Add	6.00	
For >100 To 250, Add	2.21	
For >2,500 To 5,000, Deduct	-1.10	
For >5,000, Deduct	-2.21	
32 31 13 00-0136 LF 10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	33.86	6.02
For Powder Coated Framework (Posts, Rails, Hardware), Add	3.14	
For Installation In Concrete (Excludes Drilling), Add	1.29	
For 13 Gauge Fabric, Deduct	-7.27	
For 11 Gauge Fabric, Deduct	-4.25	
For 6 Gauge Fabric, Add	6.67	
For 1" Mesh Fabric, Add	9.10	
For 1-3/4" Mesh Fabric, Add	3.64	
For 2-1/8" Mesh Fabric, Deduct	-1.82	
For 2-3/8" Mesh Fabric, Deduct	-2.43	
For Posts 8' On Centers, Add	1.85	
For Posts 5' On Centers, Add	6.94	
For Up To 100, Add	6.37	
For >100 To 250, Add	2.34	
For >2,500 To 5,000, Deduct	-1.17	
For >5,000, Deduct	-2.34	
32 31 13 00-0137 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' O.C., 3" Corner Post.....	36.98	7.23
For Each Additional Foot >12, Add	3.40	
For Powder Coated Framework (Posts, Rails, Hardware), Add	3.44	
For Installation In Concrete (Excludes Drilling), Add	1.40	
For 13 Gauge Fabric, Deduct	-7.98	
For 11 Gauge Fabric, Deduct	-4.66	
For 6 Gauge Fabric, Add	7.32	
For 1" Mesh Fabric, Add	9.98	
For 1-3/4" Mesh Fabric, Add	3.99	
For 2-1/8" Mesh Fabric, Deduct	-2.00	
For 2-3/8" Mesh Fabric, Deduct	-2.66	
For Posts 8' On Centers, Add	2.02	
For Posts 5' On Centers, Add	7.57	
For Up To 100, Add	6.95	
For >100 To 250, Add	2.55	
For >2,500 To 5,000, Deduct	-1.28	
For >5,000, Deduct	-2.55	
32 31 13 00-0138 Rails ^(32 31 13) Note: Includes rail end fittings.		
32 31 13 00-0139 SS-20 Chain Link Fence Rails ^(32 31 13 00-0138) Note: Includes tie wires.		
32 31 13 00-0140 LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	2.98	0.78
For SS15, Deduct	-0.14	
For SS40, Add	0.34	
32 31 13 00-0141 LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.72	0.78
For SS40, Add	0.21	
For Powder Coated, Add	0.42	
For Aluminum Coated, Add	0.84	
32 31 13 00-0142 LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	3.57	0.89
For SS15, Deduct	-0.18	
For SS40, Add	0.45	
32 31 13 00-0143 LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.55	0.89
For SS40, Add	0.28	
For Powder Coated, Add	0.56	
For Aluminum Coated, Add	1.11	
32 31 13 00-0144 LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	4.14	0.99
For SS40, Add	0.54	
32 31 13 00-0145 LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	5.32	0.99
For SS40, Add	0.33	
For Powder Coated, Add	0.67	
For Aluminum Coated, Add	1.34	
32 31 13 00-0146 Fabric ^(32 31 13)		
32 31 13 00-0147 Fabric, Galvanized Chain Link ^(32 31 13 00-0146)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0148	LF	3' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.77	1.42
			For 2 Oz Galvanized Coating, Add	0.54	
			For 13 Gauge Fabric, Deduct	-0.98	
			For 11 Gauge Fabric, Deduct	-0.54	
			For 6 Gauge Fabric, Add	1.74	
			For 1" Mesh Fabric, Add	1.63	
			For 1-3/4" Mesh Fabric, Add	0.65	
			For 2-1/8" Mesh Fabric, Deduct	-0.33	
			For 2-3/8" Mesh Fabric, Deduct	-0.43	
32 31	13 00-0149	LF	3-6" Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	7.49	1.59
			For 2 Oz Galvanized Coating, Add	0.63	
			For 13 Gauge Fabric, Deduct	-1.14	
			For 11 Gauge Fabric, Deduct	-0.63	
			For 6 Gauge Fabric, Add	2.02	
			For 1" Mesh Fabric, Add	1.90	
			For 1-3/4" Mesh Fabric, Add	0.76	
			For 2-1/8" Mesh Fabric, Deduct	-0.38	
			For 2-3/8" Mesh Fabric, Deduct	-0.51	
32 31	13 00-0150	LF	4' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.10	1.77
			For 2 Oz Galvanized Coating, Add	0.70	
			For 13 Gauge Fabric, Deduct	-1.25	
			For 11 Gauge Fabric, Deduct	-0.70	
			For 6 Gauge Fabric, Add	2.22	
			For 1" Mesh Fabric, Add	2.09	
			For 1-3/4" Mesh Fabric, Add	0.83	
			For 2-1/8" Mesh Fabric, Deduct	-0.42	
			For 2-3/8" Mesh Fabric, Deduct	-0.56	
32 31	13 00-0151	LF	5' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.12	2.13
			For 2 Oz Galvanized Coating, Add	0.87	
			For 13 Gauge Fabric, Deduct	-1.56	
			For 11 Gauge Fabric, Deduct	-0.87	
			For 6 Gauge Fabric, Add	2.77	
			For 1" Mesh Fabric, Add	2.60	
			For 1-3/4" Mesh Fabric, Add	1.04	
			For 2-1/8" Mesh Fabric, Deduct	-0.52	
			For 2-3/8" Mesh Fabric, Deduct	-0.69	
32 31	13 00-0152	LF	6' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.22	2.47
			For 2 Oz Galvanized Coating, Add	1.04	
			For 13 Gauge Fabric, Deduct	-1.87	
			For 11 Gauge Fabric, Deduct	-1.04	
			For 6 Gauge Fabric, Add	3.33	
			For 1" Mesh Fabric, Add	3.12	
			For 1-3/4" Mesh Fabric, Add	1.25	
			For 2-1/8" Mesh Fabric, Deduct	-0.62	
			For 2-3/8" Mesh Fabric, Deduct	-0.83	
32 31	13 00-0153	LF	7' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.39	2.83
			For 2 Oz Galvanized Coating, Add	1.21	
			For 13 Gauge Fabric, Deduct	-2.18	
			For 11 Gauge Fabric, Deduct	-1.21	
			For 6 Gauge Fabric, Add	3.88	
			For 1" Mesh Fabric, Add	3.64	
			For 1-3/4" Mesh Fabric, Add	1.46	
			For 2-1/8" Mesh Fabric, Deduct	-0.73	
			For 2-3/8" Mesh Fabric, Deduct	-0.97	
32 31	13 00-0154	LF	8' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.62	3.54
			For 2 Oz Galvanized Coating, Add	1.39	
			For 13 Gauge Fabric, Deduct	-2.49	
			For 11 Gauge Fabric, Deduct	-1.39	
			For 6 Gauge Fabric, Add	4.43	
			For 1" Mesh Fabric, Add	4.16	
			For 1-3/4" Mesh Fabric, Add	1.66	
			For 2-1/8" Mesh Fabric, Deduct	-0.83	
			For 2-3/8" Mesh Fabric, Deduct	-1.11	
32 31	13 00-0155	LF	10' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.01	3.89
			For 2 Oz Galvanized Coating, Add	1.80	
			For 13 Gauge Fabric, Deduct	-3.24	
			For 11 Gauge Fabric, Deduct	-1.80	
			For 6 Gauge Fabric, Add	5.76	
			For 1" Mesh Fabric, Add	5.40	
			For 1-3/4" Mesh Fabric, Add	2.16	
			For 2-1/8" Mesh Fabric, Deduct	-1.08	
			For 2-3/8" Mesh Fabric, Deduct	-1.44	
32 31	13 00-0156	LF	12' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.12	4.25
			For 2 Oz Galvanized Coating, Add	2.16	
			For 13 Gauge Fabric, Deduct	-3.88	
			For 11 Gauge Fabric, Deduct	-2.16	
			For 6 Gauge Fabric, Add	6.90	
			For 1" Mesh Fabric, Add	6.47	
			For 1-3/4" Mesh Fabric, Add	2.59	
			For 2-1/8" Mesh Fabric, Deduct	-1.29	
			For 2-3/8" Mesh Fabric, Deduct	-1.73	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0157 LF 14' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.19	4.96
For 2 Oz Galvanized Coating, Add	2.32	
For 13 Gauge Fabric, Deduct	-4.17	
For 11 Gauge Fabric, Deduct	-2.32	
For 6 Gauge Fabric, Add	7.42	
For 1" Mesh Fabric, Add	6.95	
For 1-3/4" Mesh Fabric, Add	2.78	
For 2-1/8" Mesh Fabric, Deduct	-1.39	
For 2-3/8" Mesh Fabric, Deduct	-1.85	
32 31 13 00-0158 LF 16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.24	5.66
For 2 Oz Galvanized Coating, Add	2.48	
For 13 Gauge Fabric, Deduct	-4.46	
For 11 Gauge Fabric, Deduct	-2.48	
For 6 Gauge Fabric, Add	7.93	
For 1" Mesh Fabric, Add	7.43	
For 1-3/4" Mesh Fabric, Add	2.97	
For 2-1/8" Mesh Fabric, Deduct	-1.49	
For 2-3/8" Mesh Fabric, Deduct	-1.98	
32 31 13 00-0159 Fabric, Vinyl Coated Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0160 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	8.98	1.42
For 13 Gauge Fabric, Deduct	-1.65	
For 11 Gauge Fabric, Deduct	-0.92	
For 6 Gauge Fabric, Add	2.93	
For 1" Mesh Fabric, Add	2.75	
For 1-3/4" Mesh Fabric, Add	1.10	
For 2-1/8" Mesh Fabric, Deduct	-0.55	
For 2-3/8" Mesh Fabric, Deduct	-0.73	
For Aluminum Coated, Add	1.46	
32 31 13 00-0161 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	10.23	2.13
For 13 Gauge Fabric, Deduct	-2.06	
For 11 Gauge Fabric, Deduct	-1.14	
For 6 Gauge Fabric, Add	3.66	
For 1" Mesh Fabric, Add	3.43	
For 1-3/4" Mesh Fabric, Add	1.37	
For 2-1/8" Mesh Fabric, Deduct	-0.69	
For 2-3/8" Mesh Fabric, Deduct	-0.91	
For Aluminum Coated, Add	1.83	
32 31 13 00-0162 LF 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	12.47	2.47
For 13 Gauge Fabric, Deduct	-2.88	
For 11 Gauge Fabric, Deduct	-1.60	
For 6 Gauge Fabric, Add	5.13	
For 1" Mesh Fabric, Add	4.81	
For 1-3/4" Mesh Fabric, Add	1.92	
For 2-1/8" Mesh Fabric, Deduct	-0.96	
For 2-3/8" Mesh Fabric, Deduct	-1.28	
For Aluminum Coated, Add	2.56	
32 31 13 00-0163 LF 7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.00	2.83
For 13 Gauge Fabric, Deduct	-3.36	
For 11 Gauge Fabric, Deduct	-1.87	
For 6 Gauge Fabric, Add	5.97	
For 1" Mesh Fabric, Add	5.60	
For 1-3/4" Mesh Fabric, Add	2.24	
For 2-1/8" Mesh Fabric, Deduct	-1.12	
For 2-3/8" Mesh Fabric, Deduct	-1.49	
For Aluminum Coated, Add	2.98	
32 31 13 00-0164 LF 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.67	3.54
For 13 Gauge Fabric, Deduct	-3.87	
For 11 Gauge Fabric, Deduct	-2.15	
For 6 Gauge Fabric, Add	6.87	
For 1" Mesh Fabric, Add	6.44	
For 1-3/4" Mesh Fabric, Add	2.58	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.72	
For Aluminum Coated, Add	3.44	
32 31 13 00-0165 LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.51	3.89
For 13 Gauge Fabric, Deduct	-4.82	
For 11 Gauge Fabric, Deduct	-2.68	
For 6 Gauge Fabric, Add	8.56	
For 1" Mesh Fabric, Add	8.03	
For 1-3/4" Mesh Fabric, Add	3.21	
For 2-1/8" Mesh Fabric, Deduct	-1.61	
For 2-3/8" Mesh Fabric, Deduct	-2.14	
For Aluminum Coated, Add	4.28	
32 31 13 00-0166 LF 12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.19	4.25
For 13 Gauge Fabric, Deduct	-5.27	
For 11 Gauge Fabric, Deduct	-2.93	
For 6 Gauge Fabric, Add	9.36	
For 1" Mesh Fabric, Add	8.78	
For 1-3/4" Mesh Fabric, Add	3.51	
For 2-1/8" Mesh Fabric, Deduct	-1.76	
For 2-3/8" Mesh Fabric, Deduct	-2.34	
For Aluminum Coated, Add	4.68	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0167	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.80	4.96
		<i>For 13 Gauge Fabric, Deduct</i>	-5.80	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.22	
		<i>For 6 Gauge Fabric, Add</i>	10.30	
		<i>For 1" Mesh Fabric, Add</i>	9.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.86	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.93	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.58	
		<i>For Aluminum Coated, Add</i>	5.15	
32 31 13 00-0168	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	25.44	5.66
		<i>For 13 Gauge Fabric, Deduct</i>	-6.35	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.53	
		<i>For 6 Gauge Fabric, Add</i>	11.29	
		<i>For 1" Mesh Fabric, Add</i>	10.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.23	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.12	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.82	
		<i>For Aluminum Coated, Add</i>	5.64	
32 31 13 00-0169		Fabric, Aluminized Steel Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0170	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	6.68	1.42
		<i>For 6 Gauge Fabric, Add</i>	1.66	
		<i>For 1" Mesh Fabric, Add</i>	2.18	
32 31 13 00-0171	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	7.38	1.59
		<i>For 6 Gauge Fabric, Add</i>	1.94	
		<i>For 1" Mesh Fabric, Add</i>	2.54	
32 31 13 00-0172	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.09	1.77
		<i>For 6 Gauge Fabric, Add</i>	2.22	
		<i>For 1" Mesh Fabric, Add</i>	2.91	
32 31 13 00-0173	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.12	2.13
		<i>For 6 Gauge Fabric, Add</i>	2.77	
		<i>For 1" Mesh Fabric, Add</i>	3.63	
32 31 13 00-0174	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.19	2.47
		<i>For 6 Gauge Fabric, Add</i>	3.30	
		<i>For 1" Mesh Fabric, Add</i>	4.34	
32 31 13 00-0175	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.37	2.83
		<i>For 6 Gauge Fabric, Add</i>	3.86	
		<i>For 1" Mesh Fabric, Add</i>	5.07	
32 31 13 00-0176	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.60	3.54
		<i>For 6 Gauge Fabric, Add</i>	4.42	
		<i>For 1" Mesh Fabric, Add</i>	5.80	
32 31 13 00-0177	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.71	3.89
		<i>For 6 Gauge Fabric, Add</i>	5.52	
		<i>For 1" Mesh Fabric, Add</i>	7.25	
32 31 13 00-0178	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.77	4.25
		<i>For 6 Gauge Fabric, Add</i>	6.62	
		<i>For 1" Mesh Fabric, Add</i>	8.69	
32 31 13 00-0179		Fabric, All Aluminum Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0180	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	10.04	1.42
		<i>For 6 Gauge Fabric, Add</i>	4.35	
		<i>For 1" Mesh Fabric, Add</i>	5.71	
32 31 13 00-0181	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	11.30	1.59
		<i>For 6 Gauge Fabric, Add</i>	5.07	
		<i>For 1" Mesh Fabric, Add</i>	6.66	
32 31 13 00-0182	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	12.57	1.77
		<i>For 6 Gauge Fabric, Add</i>	5.80	
		<i>For 1" Mesh Fabric, Add</i>	7.61	
32 31 13 00-0183	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	14.72	2.13
		<i>For 6 Gauge Fabric, Add</i>	7.25	
		<i>For 1" Mesh Fabric, Add</i>	9.51	
32 31 13 00-0184	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	16.94	2.47
		<i>For 6 Gauge Fabric, Add</i>	8.70	
		<i>For 1" Mesh Fabric, Add</i>	11.42	
32 31 13 00-0185	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	19.23	2.83
		<i>For 6 Gauge Fabric, Add</i>	10.15	
		<i>For 1" Mesh Fabric, Add</i>	13.32	
32 31 13 00-0186	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.58	3.54
		<i>For 6 Gauge Fabric, Add</i>	11.60	
		<i>For 1" Mesh Fabric, Add</i>	15.23	
32 31 13 00-0187	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	25.93	3.89
		<i>For 6 Gauge Fabric, Add</i>	14.50	
		<i>For 1" Mesh Fabric, Add</i>	19.03	
32 31 13 00-0188	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	30.24	4.25
		<i>For 6 Gauge Fabric, Add</i>	17.40	
		<i>For 1" Mesh Fabric, Add</i>	22.84	
32 31 13 00-0189		Fence Inserts <small>(32 31 13 00-0146)</small>		
		Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 00-0190		Vinyl Plastic Fence Inserts <small>(32 31 13 00-0189)</small>		
		Note: Assorted colors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0191 LF 3' High Fence, Vinyl Plastic Fence Insert.....	5.46	
32 31 13 00-0192 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert	6.27	
32 31 13 00-0193 LF 4' High Fence, Vinyl Plastic Fence Insert.....	6.92	
32 31 13 00-0194 LF 5' High Fence, Vinyl Plastic Fence Insert.....	8.67	
32 31 13 00-0195 LF 6' High Fence, Vinyl Plastic Fence Insert.....	10.39	
32 31 13 00-0196 LF 7' High Fence, Vinyl Plastic Fence Insert.....	12.14	
32 31 13 00-0197 LF 8' High Fence, Vinyl Plastic Fence Insert.....	13.84	
32 31 13 00-0198 LF 10' High Fence, Vinyl Plastic Fence Insert.....	16.27	
32 31 13 00-0199 Aluminum Fence Inserts (32 31 13 00-0189)		
Note: Assorted colors.		
32 31 13 00-0200 LF 3' High Fence, Aluminum Fence Insert.....	11.76	
32 31 13 00-0201 LF 3-1/2' High Fence, Aluminum Fence Insert.....	13.02	
32 31 13 00-0202 LF 4' High Fence, Aluminum Fence Insert.....	15.27	
32 31 13 00-0203 LF 5' High Fence, Aluminum Fence Insert.....	19.13	
32 31 13 00-0204 LF 6' High Fence, Aluminum Fence Insert.....	22.95	
32 31 13 00-0205 LF 7' High Fence, Aluminum Fence Insert.....	25.49	
32 31 13 00-0206 LF 8' High Fence, Aluminum Fence Insert.....	30.59	
32 31 13 00-0207 LF 10' High Fence, Aluminum Fence Insert.....	37.26	
32 31 13 00-0208 Redwood Fence Inserts (32 31 13 00-0189)		
32 31 13 00-0209 LF 4' High Fence, Redwood Fence Insert.....	10.43	
32 31 13 00-0210 LF 5' High Fence, Redwood Fence Insert.....	13.20	
32 31 13 00-0211 LF 6' High Fence, Redwood Fence Insert.....	15.85	
32 31 13 00-0212 LF 7' High Fence, Redwood Fence Insert.....	18.45	
32 31 13 00-0213 LF 8' High Fence, Redwood Fence Insert.....	21.11	
32 31 13 00-0214 Diagonal Flexible Polyethylene Inserts (32 31 13 00-0189)		
32 31 13 00-0215 SF Diagonal Polyethylene Fence Weave	2.30	
32 31 13 00-0216 Hedge Link Fence Inserts (32 31 13 00-0189)		
32 31 13 00-0217 LF 3' High Fence, Hedge Link Fence Insert.....	11.66	
32 31 13 00-0218 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	13.27	
32 31 13 00-0219 LF 4' High Fence, Hedge Link Fence Insert.....	15.73	
32 31 13 00-0220 LF 5' High Fence, Hedge Link Fence Insert.....	19.45	
32 31 13 00-0221 LF 6' High Fence, Hedge Link Fence Insert.....	22.41	
32 31 13 00-0222 LF 7' High Fence, Hedge Link Fence Insert.....	27.97	
32 31 13 00-0223 LF 8' High Fence, Hedge Link Fence Insert.....	31.79	
32 31 13 00-0224 LF 10' High Fence, Hedge Link Fence Insert.....	37.81	
32 31 13 00-0225 LF 12' High Fence, Hedge Link Fence Insert.....	43.33	
32 31 13 00-0226 Fence Windscreen Fabric (32 31 13 00-0146)		
Note: Includes plastic wire clips.		
32 31 13 00-0227 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.74	
For Sewn Boxed Vent (Each), Add	13.59	
For Welded Boxed Vent (Each), Add	6.79	
For 4' x 4' One Color Logo (Each), Add	283.02	
32 31 13 00-0228 Non-Climbable Fabric, Galvanized Chain Link (32 31 13 00-0146)		
32 31 13 00-0229 LF 3' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	16.62	1.42
For 11 Gauge, Deduct	-2.40	
For 10 Gauge, Deduct	-0.96	
For 7 Gauge, Add	1.44	
For 6 Gauge, Add	3.37	
For 1/2" Mesh Fabric, Deduct	-0.60	
For 5/8" Mesh Fabric, Deduct	-1.32	
For 3/4" Mesh Fabric, Deduct	-1.92	
32 31 13 00-0230 LF 3'-6" Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	18.98	1.59
For 11 Gauge, Deduct	-2.80	
For 10 Gauge, Deduct	-1.12	
For 7 Gauge, Add	1.68	
For 6 Gauge, Add	3.93	
For 1/2" Mesh Fabric, Deduct	-0.70	
For 5/8" Mesh Fabric, Deduct	-1.54	
For 3/4" Mesh Fabric, Deduct	-2.24	
32 31 13 00-0231 LF 4' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	21.36	1.77
For 11 Gauge, Deduct	-3.21	
For 10 Gauge, Deduct	-1.28	
For 7 Gauge, Add	1.92	
For 6 Gauge, Add	4.49	
For 1/2" Mesh Fabric, Deduct	-0.80	
For 5/8" Mesh Fabric, Deduct	-1.76	
For 3/4" Mesh Fabric, Deduct	-2.57	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0232 LF 5' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	25.69	2.13
For 11 Gauge, Deduct	-4.01	
For 10 Gauge, Deduct	-1.60	
For 7 Gauge, Add	2.40	
For 6 Gauge, Add	5.61	
For 1/2" Mesh Fabric, Deduct	-1.00	
For 5/8" Mesh Fabric, Deduct	-2.20	
For 3/4" Mesh Fabric, Deduct	-3.20	
32 31 13 00-0233 LF 6' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	30.09	2.47
For 11 Gauge, Deduct	-4.81	
For 10 Gauge, Deduct	-1.92	
For 7 Gauge, Add	2.88	
For 6 Gauge, Add	6.73	
For 1/2" Mesh Fabric, Deduct	-1.20	
For 5/8" Mesh Fabric, Deduct	-2.64	
For 3/4" Mesh Fabric, Deduct	-3.84	
32 31 13 00-0234 LF 7' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	34.58	2.83
For 11 Gauge, Deduct	-5.61	
For 10 Gauge, Deduct	-2.24	
For 7 Gauge, Add	3.36	
For 6 Gauge, Add	7.85	
For 1/2" Mesh Fabric, Deduct	-1.40	
For 5/8" Mesh Fabric, Deduct	-3.08	
For 3/4" Mesh Fabric, Deduct	-4.49	
32 31 13 00-0235 LF 8' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	39.13	3.54
For 11 Gauge, Deduct	-6.41	
For 10 Gauge, Deduct	-2.56	
For 7 Gauge, Add	3.85	
For 6 Gauge, Add	8.97	
For 1/2" Mesh Fabric, Deduct	-1.60	
For 5/8" Mesh Fabric, Deduct	-3.53	
For 3/4" Mesh Fabric, Deduct	-5.13	
32 31 13 00-0236 LF 9' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	43.11	3.72
For 11 Gauge, Deduct	-7.14	
For 10 Gauge, Deduct	-2.85	
For 7 Gauge, Add	4.28	
For 6 Gauge, Add	9.99	
For 1/2" Mesh Fabric, Deduct	-1.78	
For 5/8" Mesh Fabric, Deduct	-3.92	
For 3/4" Mesh Fabric, Deduct	-5.71	
32 31 13 00-0237 LF 10' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	47.11	3.89
For 11 Gauge, Deduct	-7.86	
For 10 Gauge, Deduct	-3.14	
For 7 Gauge, Add	4.72	
For 6 Gauge, Add	11.00	
For 1/2" Mesh Fabric, Deduct	-1.97	
For 5/8" Mesh Fabric, Deduct	-4.32	
For 3/4" Mesh Fabric, Deduct	-6.29	
32 31 13 00-0238 LF 12' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	51.09	4.25
For 11 Gauge, Deduct	-8.52	
For 10 Gauge, Deduct	-3.41	
For 7 Gauge, Add	5.11	
For 6 Gauge, Add	11.93	
For 1/2" Mesh Fabric, Deduct	-2.13	
For 5/8" Mesh Fabric, Deduct	-4.69	
For 3/4" Mesh Fabric, Deduct	-6.82	
32 31 13 00-0239 Gates <small>(32 31 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 79 00 00-0001 for padlocks, 08 79 00 00-0002 for padlocks.		
32 31 13 00-0240 Galvanized Steel Without Barbed Wire <small>(32 31 13 00-0239)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 00-0241 4' Fence Height <small>(32 31 13 00-0240)</small>		
32 31 13 00-0242 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	162.98	18.14
For Gate With Single Barb Wire Arm, Add	11.69	
For Gate With Double Barb Wire Arm, Add	17.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-19.93	
For Aluminized Steel Gate And Post, Add	51.01	
For Powder Coated Gate And Post, Add	27.63	
32 31 13 00-0243 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	198.41	18.90
For Gate With Single Barb Wire Arm, Add	15.59	
For Gate With Double Barb Wire Arm, Add	22.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.57	
For Aluminized Steel Gate And Post, Add	68.02	
For Powder Coated Gate And Post, Add	36.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0244 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	231.57	20.12
For Gate With Single Barb Wire Arm, Add	18.82	
For Gate With Double Barb Wire Arm, Add	27.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.08	
For Aluminized Steel Gate And Post, Add	82.12	
For Powder Coated Gate And Post, Add	44.48	
32 31 13 00-0245 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	273.06	24.20
For Gate With Single Barb Wire Arm, Add	22.05	
For Gate With Double Barb Wire Arm, Add	32.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.59	
For Aluminized Steel Gate And Post, Add	96.23	
For Powder Coated Gate And Post, Add	52.12	
32 31 13 00-0246 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	314.54	28.20
For Gate With Single Barb Wire Arm, Add	25.28	
For Gate With Double Barb Wire Arm, Add	36.78	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.10	
For Aluminized Steel Gate And Post, Add	110.33	
For Powder Coated Gate And Post, Add	59.76	
32 31 13 00-0247 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	357.21	32.21
For Gate With Single Barb Wire Arm, Add	28.65	
For Gate With Double Barb Wire Arm, Add	41.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.83	
For Aluminized Steel Gate And Post, Add	125.01	
For Powder Coated Gate And Post, Add	67.71	
32 31 13 00-0248 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	398.69	36.29
For Gate With Single Barb Wire Arm, Add	31.88	
For Gate With Double Barb Wire Arm, Add	46.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.34	
For Aluminized Steel Gate And Post, Add	139.11	
For Powder Coated Gate And Post, Add	75.35	
32 31 13 00-0249 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	440.68	40.30
For Gate With Single Barb Wire Arm, Add	35.17	
For Gate With Double Barb Wire Arm, Add	51.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.95	
For Aluminized Steel Gate And Post, Add	153.47	
For Powder Coated Gate And Post, Add	83.13	
32 31 13 00-0250 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	546.11	40.30
For Gate With Single Barb Wire Arm, Add	46.77	
For Gate With Double Barb Wire Arm, Add	68.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-79.71	
For Aluminized Steel Gate And Post, Add	204.07	
For Powder Coated Gate And Post, Add	110.54	
32 31 13 00-0251 EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	639.77	43.17
For Gate With Single Barb Wire Arm, Add	56.12	
For Gate With Double Barb Wire Arm, Add	81.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.66	
For Aluminized Steel Gate And Post, Add	244.88	
For Powder Coated Gate And Post, Add	132.64	
32 31 13 00-0252 EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	734.77	46.50
For Gate With Single Barb Wire Arm, Add	65.47	
For Gate With Double Barb Wire Arm, Add	95.23	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.60	
For Aluminized Steel Gate And Post, Add	285.69	
For Powder Coated Gate And Post, Add	154.75	
32 31 13 00-0253 EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	831.44	50.35
For Gate With Single Barb Wire Arm, Add	74.82	
For Gate With Double Barb Wire Arm, Add	108.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.54	
For Aluminized Steel Gate And Post, Add	326.51	
For Powder Coated Gate And Post, Add	176.86	
32 31 13 00-0254 EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	948.39	60.95
For Gate With Single Barb Wire Arm, Add	84.18	
For Gate With Double Barb Wire Arm, Add	122.44	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.48	
For Aluminized Steel Gate And Post, Add	367.32	
For Powder Coated Gate And Post, Add	198.97	
32 31 13 00-0255 EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,046.49	65.33
For Gate With Single Barb Wire Arm, Add	93.53	
For Gate With Double Barb Wire Arm, Add	136.04	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.43	
For Aluminized Steel Gate And Post, Add	408.13	
For Powder Coated Gate And Post, Add	221.07	
32 31 13 00-0256 EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,144.54	70.39
For Gate With Single Barb Wire Arm, Add	102.66	
For Gate With Double Barb Wire Arm, Add	149.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
For Aluminized Steel Gate And Post, Add	447.95	
For Powder Coated Gate And Post, Add	242.64	
32 31 13 00-0257 EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,245.10	76.23
For Gate With Single Barb Wire Arm, Add	111.78	
For Gate With Double Barb Wire Arm, Add	162.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.53	
For Aluminized Steel Gate And Post, Add	487.77	
For Powder Coated Gate And Post, Add	264.21	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0258	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,348.87	83.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	120.91	
			<i>For Gate With Double Barb Wire Arm, Add</i>	175.86	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-206.09	
			<i>For Aluminized Steel Gate And Post, Add</i>	527.59	
			<i>For Powder Coated Gate And Post, Add</i>	285.78	
32 31	13 00-0259	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,425.68	91.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	184.16	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.81	
			<i>For Aluminized Steel Gate And Post, Add</i>	552.47	
			<i>For Powder Coated Gate And Post, Add</i>	299.25	
32 31	13 00-0260	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,580.63	101.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	140.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	204.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-239.14	
			<i>For Aluminized Steel Gate And Post, Add</i>	612.20	
			<i>For Powder Coated Gate And Post, Add</i>	331.61	
32 31	13 00-0261		5' Fence Height <small>(32 31 13 00-0240)</small>		
32 31	13 00-0262	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	191.82	20.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	14.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	21.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.63	
			<i>For Aluminized Steel Gate And Post, Add</i>	63.04	
			<i>For Powder Coated Gate And Post, Add</i>	34.15	
32 31	13 00-0263	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	235.03	20.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	27.93	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.73	
			<i>For Aluminized Steel Gate And Post, Add</i>	83.78	
			<i>For Powder Coated Gate And Post, Add</i>	45.38	
32 31	13 00-0264	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	271.66	21.39
			<i>For Gate With Single Barb Wire Arm, Add</i>	22.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	33.18	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.88	
			<i>For Aluminized Steel Gate And Post, Add</i>	99.54	
			<i>For Powder Coated Gate And Post, Add</i>	53.92	
32 31	13 00-0265	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	319.07	25.70
			<i>For Gate With Single Barb Wire Arm, Add</i>	26.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	38.71	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-45.37	
			<i>For Aluminized Steel Gate And Post, Add</i>	116.14	
			<i>For Powder Coated Gate And Post, Add</i>	62.91	
32 31	13 00-0266	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	363.03	29.94
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	43.69	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.20	
			<i>For Aluminized Steel Gate And Post, Add</i>	131.07	
			<i>For Powder Coated Gate And Post, Add</i>	71.00	
32 31	13 00-0267	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	411.21	34.48
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.84	
			<i>For Gate With Double Barb Wire Arm, Add</i>	49.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-57.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	147.66	
			<i>For Powder Coated Gate And Post, Add</i>	79.98	
32 31	13 00-0268	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	456.89	38.78
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.84	
			<i>For Aluminized Steel Gate And Post, Add</i>	163.42	
			<i>For Powder Coated Gate And Post, Add</i>	88.52	
32 31	13 00-0269	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	502.58	43.02
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.06	
			<i>For Gate With Double Barb Wire Arm, Add</i>	59.73	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-69.99	
			<i>For Aluminized Steel Gate And Post, Add</i>	179.18	
			<i>For Powder Coated Gate And Post, Add</i>	97.06	
32 31	13 00-0270	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	656.37	43.17
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.94	
			<i>For Gate With Double Barb Wire Arm, Add</i>	84.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-98.77	
			<i>For Aluminized Steel Gate And Post, Add</i>	252.84	
			<i>For Powder Coated Gate And Post, Add</i>	136.96	
32 31	13 00-0271	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	772.10	46.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	69.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	101.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-118.60	
			<i>For Aluminized Steel Gate And Post, Add</i>	303.61	
			<i>For Powder Coated Gate And Post, Add</i>	164.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0272 EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	889.51	50.35
For Gate With Single Barb Wire Arm, Add	81.21	
For Gate With Double Barb Wire Arm, Add	118.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.43	
For Aluminized Steel Gate And Post, Add	354.38	
For Powder Coated Gate And Post, Add	191.96	
32 31 13 00-0273 EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,027.19	60.95
For Gate With Single Barb Wire Arm, Add	92.85	
For Gate With Double Barb Wire Arm, Add	135.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.26	
For Aluminized Steel Gate And Post, Add	405.14	
For Powder Coated Gate And Post, Add	219.45	
32 31 13 00-0274 EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,143.96	65.33
For Gate With Single Barb Wire Arm, Add	104.25	
For Gate With Double Barb Wire Arm, Add	151.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.70	
For Aluminized Steel Gate And Post, Add	454.92	
For Powder Coated Gate And Post, Add	246.41	
32 31 13 00-0275 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,266.89	70.39
For Gate With Single Barb Wire Arm, Add	116.11	
For Gate With Double Barb Wire Arm, Add	168.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.92	
For Aluminized Steel Gate And Post, Add	506.68	
For Powder Coated Gate And Post, Add	274.45	
32 31 13 00-0276 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,390.27	76.23
For Gate With Single Barb Wire Arm, Add	127.75	
For Gate With Double Barb Wire Arm, Add	185.82	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-217.75	
For Aluminized Steel Gate And Post, Add	557.45	
For Powder Coated Gate And Post, Add	301.95	
32 31 13 00-0277 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,514.77	83.19
For Gate With Single Barb Wire Arm, Add	139.15	
For Gate With Double Barb Wire Arm, Add	202.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.20	
For Aluminized Steel Gate And Post, Add	607.22	
For Powder Coated Gate And Post, Add	328.91	
32 31 13 00-0278 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,647.58	91.51
For Gate With Single Barb Wire Arm, Add	151.02	
For Gate With Double Barb Wire Arm, Add	219.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.42	
For Aluminized Steel Gate And Post, Add	658.98	
For Powder Coated Gate And Post, Add	356.95	
32 31 13 00-0279 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,782.56	101.63
For Gate With Single Barb Wire Arm, Add	162.51	
For Gate With Double Barb Wire Arm, Add	236.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-277.00	
For Aluminized Steel Gate And Post, Add	709.12	
For Powder Coated Gate And Post, Add	384.11	
32 31 13 00-0280 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,923.64	114.34
For Gate With Single Barb Wire Arm, Add	173.83	
For Gate With Double Barb Wire Arm, Add	252.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-296.30	
For Aluminized Steel Gate And Post, Add	758.53	
For Powder Coated Gate And Post, Add	410.87	
32 31 13 00-0281 6' Fence Height <small>(32 31 13 00-0240)</small>		
32 31 13 00-0282 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	205.65	21.55
For Gate With Single Barb Wire Arm, Add	15.49	
For Gate With Double Barb Wire Arm, Add	22.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.41	
For Aluminized Steel Gate And Post, Add	67.61	
For Powder Coated Gate And Post, Add	36.62	
32 31 13 00-0283 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	252.31	21.55
For Gate With Single Barb Wire Arm, Add	20.63	
For Gate With Double Barb Wire Arm, Add	30.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.16	
For Aluminized Steel Gate And Post, Add	90.00	
For Powder Coated Gate And Post, Add	48.75	
32 31 13 00-0284 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	292.00	22.91
For Gate With Single Barb Wire Arm, Add	24.55	
For Gate With Double Barb Wire Arm, Add	35.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.85	
For Aluminized Steel Gate And Post, Add	107.14	
For Powder Coated Gate And Post, Add	58.03	
32 31 13 00-0285 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	340.67	27.67
For Gate With Single Barb Wire Arm, Add	28.33	
For Gate With Double Barb Wire Arm, Add	41.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.28	
For Aluminized Steel Gate And Post, Add	123.60	
For Powder Coated Gate And Post, Add	66.95	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0286 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	391.32	32.52
For Gate With Single Barb Wire Arm, Add	32.32	
For Gate With Double Barb Wire Arm, Add	47.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.09	
For Aluminized Steel Gate And Post, Add	141.02	
For Powder Coated Gate And Post, Add	76.39	
32 31 13 00-0287 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	439.49	37.05
For Gate With Single Barb Wire Arm, Add	36.12	
For Gate With Double Barb Wire Arm, Add	52.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.57	
For Aluminized Steel Gate And Post, Add	157.61	
For Powder Coated Gate And Post, Add	85.37	
32 31 13 00-0288 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	488.43	41.81
For Gate With Single Barb Wire Arm, Add	39.92	
For Gate With Double Barb Wire Arm, Add	58.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.05	
For Aluminized Steel Gate And Post, Add	174.20	
For Powder Coated Gate And Post, Add	94.36	
32 31 13 00-0289 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	521.80	46.57
For Gate With Single Barb Wire Arm, Add	42.01	
For Gate With Double Barb Wire Arm, Add	61.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.61	
For Aluminized Steel Gate And Post, Add	183.33	
For Powder Coated Gate And Post, Add	99.30	
32 31 13 00-0290 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	701.59	46.50
For Gate With Single Barb Wire Arm, Add	61.82	
For Gate With Double Barb Wire Arm, Add	89.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.38	
For Aluminized Steel Gate And Post, Add	269.76	
For Powder Coated Gate And Post, Add	146.12	
32 31 13 00-0291 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	825.22	50.35
For Gate With Single Barb Wire Arm, Add	74.14	
For Gate With Double Barb Wire Arm, Add	107.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.38	
For Aluminized Steel Gate And Post, Add	323.52	
For Powder Coated Gate And Post, Add	175.24	
32 31 13 00-0292 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	984.28	65.33
For Gate With Single Barb Wire Arm, Add	86.69	
For Gate With Double Barb Wire Arm, Add	126.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-147.76	
For Aluminized Steel Gate And Post, Add	378.27	
For Powder Coated Gate And Post, Add	204.90	
32 31 13 00-0293 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,111.36	70.39
For Gate With Single Barb Wire Arm, Add	99.01	
For Gate With Double Barb Wire Arm, Add	144.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-168.76	
For Aluminized Steel Gate And Post, Add	432.02	
For Powder Coated Gate And Post, Add	234.01	
32 31 13 00-0294 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,243.03	76.23
For Gate With Single Barb Wire Arm, Add	111.55	
For Gate With Double Barb Wire Arm, Add	162.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.15	
For Aluminized Steel Gate And Post, Add	486.77	
For Powder Coated Gate And Post, Add	263.67	
32 31 13 00-0295 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,377.90	83.19
For Gate With Single Barb Wire Arm, Add	124.10	
For Gate With Double Barb Wire Arm, Add	180.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-211.53	
For Aluminized Steel Gate And Post, Add	541.52	
For Powder Coated Gate And Post, Add	293.32	
32 31 13 00-0296 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,514.86	91.51
For Gate With Single Barb Wire Arm, Add	136.42	
For Gate With Double Barb Wire Arm, Add	198.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-232.53	
For Aluminized Steel Gate And Post, Add	595.28	
For Powder Coated Gate And Post, Add	322.44	
32 31 13 00-0297 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,658.40	101.63
For Gate With Single Barb Wire Arm, Add	148.85	
For Gate With Double Barb Wire Arm, Add	216.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.72	
For Aluminized Steel Gate And Post, Add	649.53	
For Powder Coated Gate And Post, Add	351.83	
32 31 13 00-0298 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,808.33	114.34
For Gate With Single Barb Wire Arm, Add	161.15	
For Gate With Double Barb Wire Arm, Add	234.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-274.68	
For Aluminized Steel Gate And Post, Add	703.18	
For Powder Coated Gate And Post, Add	380.89	
32 31 13 00-0299 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,970.63	130.66
For Gate With Single Barb Wire Arm, Add	173.60	
For Gate With Double Barb Wire Arm, Add	252.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-295.91	
For Aluminized Steel Gate And Post, Add	757.53	
For Powder Coated Gate And Post, Add	410.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0300 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,149.46	152.46
For Gate With Single Barb Wire Arm, Add	186.08	
For Gate With Double Barb Wire Arm, Add	270.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-317.18	
For Aluminized Steel Gate And Post, Add	811.98	
For Powder Coated Gate And Post, Add	439.82	
32 31 13 00-0301 7' Fence Height <small>(32 31 13 00-0240)</small>		
32 31 13 00-0302 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	216.69	23.22
For Gate With Single Barb Wire Arm, Add	16.16	
For Gate With Double Barb Wire Arm, Add	23.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.54	
For Aluminized Steel Gate And Post, Add	70.51	
For Powder Coated Gate And Post, Add	38.19	
32 31 13 00-0303 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	265.08	23.22
For Gate With Single Barb Wire Arm, Add	21.48	
For Gate With Double Barb Wire Arm, Add	31.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.62	
For Aluminized Steel Gate And Post, Add	93.74	
For Powder Coated Gate And Post, Add	50.78	
32 31 13 00-0304 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	307.82	24.42
For Gate With Single Barb Wire Arm, Add	25.79	
For Gate With Double Barb Wire Arm, Add	37.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.97	
For Aluminized Steel Gate And Post, Add	112.55	
For Powder Coated Gate And Post, Add	60.96	
32 31 13 00-0305 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	376.93	29.71
For Gate With Single Barb Wire Arm, Add	31.65	
For Gate With Double Barb Wire Arm, Add	46.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.95	
For Aluminized Steel Gate And Post, Add	138.10	
For Powder Coated Gate And Post, Add	74.80	
32 31 13 00-0306 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	445.29	34.78
For Gate With Single Barb Wire Arm, Add	37.51	
For Gate With Double Barb Wire Arm, Add	54.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.93	
For Aluminized Steel Gate And Post, Add	163.66	
For Powder Coated Gate And Post, Add	88.65	
32 31 13 00-0307 EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	514.41	39.99
For Gate With Single Barb Wire Arm, Add	43.36	
For Gate With Double Barb Wire Arm, Add	63.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.91	
For Aluminized Steel Gate And Post, Add	189.21	
For Powder Coated Gate And Post, Add	102.49	
32 31 13 00-0308 EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	582.76	45.06
For Gate With Single Barb Wire Arm, Add	49.22	
For Gate With Double Barb Wire Arm, Add	71.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.89	
For Aluminized Steel Gate And Post, Add	214.77	
For Powder Coated Gate And Post, Add	116.33	
32 31 13 00-0309 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	642.29	50.35
For Gate With Single Barb Wire Arm, Add	54.02	
For Gate With Double Barb Wire Arm, Add	78.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.08	
For Aluminized Steel Gate And Post, Add	235.71	
For Powder Coated Gate And Post, Add	127.68	
32 31 13 00-0310 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	795.81	50.35
For Gate With Single Barb Wire Arm, Add	70.90	
For Gate With Double Barb Wire Arm, Add	103.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-120.86	
For Aluminized Steel Gate And Post, Add	309.40	
For Powder Coated Gate And Post, Add	167.59	
32 31 13 00-0311 EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	912.95	65.33
For Gate With Single Barb Wire Arm, Add	78.84	
For Gate With Double Barb Wire Arm, Add	114.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-134.39	
For Aluminized Steel Gate And Post, Add	344.03	
For Powder Coated Gate And Post, Add	186.35	
32 31 13 00-0312 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,047.50	70.39
For Gate With Single Barb Wire Arm, Add	91.98	
For Gate With Double Barb Wire Arm, Add	133.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.79	
For Aluminized Steel Gate And Post, Add	401.37	
For Powder Coated Gate And Post, Add	217.41	
32 31 13 00-0313 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,174.59	76.23
For Gate With Single Barb Wire Arm, Add	104.02	
For Gate With Double Barb Wire Arm, Add	151.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.31	
For Aluminized Steel Gate And Post, Add	453.92	
For Powder Coated Gate And Post, Add	245.87	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0314	EA		18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,315.68	83.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	117.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	170.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-199.87	
			<i>For Aluminized Steel Gate And Post, Add</i>	511.66	
			<i>For Powder Coated Gate And Post, Add</i>	277.15	
32 31 13 00-0315	EA		20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,458.86	91.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	130.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	189.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-222.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	568.40	
			<i>For Powder Coated Gate And Post, Add</i>	307.88	
32 31 13 00-0316	EA		22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,607.59	101.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	143.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	208.38	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-244.19	
			<i>For Aluminized Steel Gate And Post, Add</i>	625.14	
			<i>For Powder Coated Gate And Post, Add</i>	338.62	
32 31 13 00-0317	EA		24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,763.95	114.34
			<i>For Gate With Single Barb Wire Arm, Add</i>	156.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	227.29	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-266.36	
			<i>For Aluminized Steel Gate And Post, Add</i>	681.88	
			<i>For Powder Coated Gate And Post, Add</i>	369.35	
32 31 13 00-0318	EA		26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,931.23	130.66
			<i>For Gate With Single Barb Wire Arm, Add</i>	169.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	246.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-288.52	
			<i>For Aluminized Steel Gate And Post, Add</i>	738.62	
			<i>For Powder Coated Gate And Post, Add</i>	400.09	
32 31 13 00-0319	EA		28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,114.83	152.46
			<i>For Gate With Single Barb Wire Arm, Add</i>	182.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	265.12	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-310.69	
			<i>For Aluminized Steel Gate And Post, Add</i>	795.36	
			<i>For Powder Coated Gate And Post, Add</i>	430.82	
32 31 13 00-0320	EA		30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,324.62	182.94
			<i>For Gate With Single Barb Wire Arm, Add</i>	195.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	284.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-332.85	
			<i>For Aluminized Steel Gate And Post, Add</i>	852.10	
			<i>For Powder Coated Gate And Post, Add</i>	461.55	
32 31 13 00-0321			8' Fence Height <small>(32 31 13 00-0240)</small>		
32 31 13 00-0322	EA		3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	251.05	25.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	28.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.90	
			<i>For Aluminized Steel Gate And Post, Add</i>	84.21	
			<i>For Powder Coated Gate And Post, Add</i>	45.61	
32 31 13 00-0323	EA		4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	309.53	25.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	25.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	37.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	112.28	
			<i>For Powder Coated Gate And Post, Add</i>	60.82	
32 31 13 00-0324	EA		5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	359.41	28.05
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	44.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.58	
			<i>For Aluminized Steel Gate And Post, Add</i>	132.05	
			<i>For Powder Coated Gate And Post, Add</i>	71.53	
32 31 13 00-0325	EA		6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	411.57	31.75
			<i>For Gate With Single Barb Wire Arm, Add</i>	34.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	50.61	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.31	
			<i>For Aluminized Steel Gate And Post, Add</i>	151.83	
			<i>For Powder Coated Gate And Post, Add</i>	82.24	
32 31 13 00-0326	EA		7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	472.43	38.26
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	57.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-67.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	171.60	
			<i>For Powder Coated Gate And Post, Add</i>	92.95	
32 31 13 00-0327	EA		8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	532.53	44.53
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	63.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-74.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	191.38	
			<i>For Powder Coated Gate And Post, Add</i>	103.66	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0328	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	593.40 48.39 70.39 -82.48 211.16 114.38	51.11
32 31	13 00-0329	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	654.24 52.92 76.98 -90.21 230.93 125.09	57.69
32 31	13 00-0330	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	917.90 79.38 115.47 -135.32 346.41 187.64	65.33
32 31	13 00-0331	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,071.95 94.67 137.70 -161.37 413.11 223.77	70.39
32 31	13 00-0332	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,230.58 110.18 160.27 -187.81 480.80 260.43	76.23
32 31	13 00-0333	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,396.56 126.15 183.49 -215.03 550.48 298.18	83.19
32 31	13 00-0334	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,566.70 142.12 206.72 -242.25 620.16 335.92	91.51
32 31	13 00-0335	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,740.32 157.86 229.62 -269.08 688.85 373.13	101.63
32 31	13 00-0336	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,919.49 173.37 252.18 -295.52 756.54 409.79	114.34
32 31	13 00-0337	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,113.73 189.34 275.41 -322.74 826.22 447.54	130.66
32 31	13 00-0338	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,324.29 205.31 298.63 -349.96 895.90 485.28	152.46
32 31	13 00-0339	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,558.96 221.05 321.53 -376.79 964.58 522.48	182.94
32 31	13 00-0340	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,839.41 236.79 344.42 -403.62 1,033.27 559.69	228.69

32 31 13 00-0341 10' Fence Height (32 31 13 00-0240)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0342	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	310.87	27.97
			<i>For Gate With Single Barb Wire Arm, Add</i>	24.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	36.30	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-42.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	108.89	
			<i>For Powder Coated Gate And Post, Add</i>	58.98	
32 31	13 00-0343	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	386.50	27.97
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	48.40	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-56.72	
			<i>For Aluminized Steel Gate And Post, Add</i>	145.20	
			<i>For Powder Coated Gate And Post, Add</i>	78.65	
32 31	13 00-0344	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	443.47	29.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.13	
			<i>For Gate With Double Barb Wire Arm, Add</i>	56.92	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.71	
			<i>For Aluminized Steel Gate And Post, Add</i>	170.77	
			<i>For Powder Coated Gate And Post, Add</i>	92.50	
32 31	13 00-0345	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	517.92	36.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	45.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	65.45	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-76.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	196.34	
			<i>For Powder Coated Gate And Post, Add</i>	106.35	
32 31	13 00-0346	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	591.92	43.02
			<i>For Gate With Single Barb Wire Arm, Add</i>	50.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	73.97	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-86.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	221.91	
			<i>For Powder Coated Gate And Post, Add</i>	120.20	
32 31	13 00-0347	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	666.04	50.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	56.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	82.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-96.67	
			<i>For Aluminized Steel Gate And Post, Add</i>	247.48	
			<i>For Powder Coated Gate And Post, Add</i>	134.05	
32 31	13 00-0348	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	739.74	56.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	62.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	91.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-106.66	
			<i>For Aluminized Steel Gate And Post, Add</i>	273.06	
			<i>For Powder Coated Gate And Post, Add</i>	147.91	
32 31	13 00-0349	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	814.19	63.96
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.65	
			<i>For Aluminized Steel Gate And Post, Add</i>	298.63	
			<i>For Powder Coated Gate And Post, Add</i>	161.76	
32 31	13 00-0350	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,151.24	72.62
			<i>For Gate With Single Barb Wire Arm, Add</i>	102.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	149.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-174.98	
			<i>For Aluminized Steel Gate And Post, Add</i>	447.95	
			<i>For Powder Coated Gate And Post, Add</i>	242.64	
32 31	13 00-0351	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,250.90	78.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.59	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	487.78	
			<i>For Powder Coated Gate And Post, Add</i>	264.21	
32 31	13 00-0352	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,419.86	84.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	128.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	186.48	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-218.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	559.44	
			<i>For Powder Coated Gate And Post, Add</i>	303.03	
32 31	13 00-0353	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,608.78	92.37
			<i>For Gate With Single Barb Wire Arm, Add</i>	146.46	
			<i>For Gate With Double Barb Wire Arm, Add</i>	213.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-249.64	
			<i>For Aluminized Steel Gate And Post, Add</i>	639.08	
			<i>For Powder Coated Gate And Post, Add</i>	346.17	
32 31	13 00-0354	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,802.53	101.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	164.70	
			<i>For Gate With Double Barb Wire Arm, Add</i>	239.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-280.75	
			<i>For Aluminized Steel Gate And Post, Add</i>	718.71	
			<i>For Powder Coated Gate And Post, Add</i>	389.30	
32 31	13 00-0355	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,003.23	112.89
			<i>For Gate With Single Barb Wire Arm, Add</i>	183.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	266.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-312.05	
			<i>For Aluminized Steel Gate And Post, Add</i>	798.84	
			<i>For Powder Coated Gate And Post, Add</i>	432.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0356 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,212.73	127.05
For Gate With Single Barb Wire Arm, Add	201.43	
For Gate With Double Barb Wire Arm, Add	292.99	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-343.35	
For Aluminized Steel Gate And Post, Add	878.98	
For Powder Coated Gate And Post, Add	476.11	
32 31 13 00-0357 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,432.86	145.08
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 00-0358 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,671.72	169.37
For Gate With Single Barb Wire Arm, Add	237.93	
For Gate With Double Barb Wire Arm, Add	346.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-405.57	
For Aluminized Steel Gate And Post, Add	1,038.25	
For Powder Coated Gate And Post, Add	562.39	
32 31 13 00-0359 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,938.82	203.10
For Gate With Single Barb Wire Arm, Add	256.18	
For Gate With Double Barb Wire Arm, Add	372.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-436.67	
For Aluminized Steel Gate And Post, Add	1,117.88	
For Powder Coated Gate And Post, Add	605.52	
32 31 13 00-0360 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,259.96	254.10
For Gate With Single Barb Wire Arm, Add	274.66	
For Gate With Double Barb Wire Arm, Add	399.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-468.17	
For Aluminized Steel Gate And Post, Add	1,198.51	
For Powder Coated Gate And Post, Add	649.19	
32 31 13 00-0361 12' Fence Height (32 31 13 00-0240)		
32 31 13 00-0362 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	383.73	31.07
For Gate With Single Barb Wire Arm, Add	31.94	
For Gate With Double Barb Wire Arm, Add	46.46	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.45	
For Aluminized Steel Gate And Post, Add	139.39	
For Powder Coated Gate And Post, Add	75.50	
32 31 13 00-0363 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	480.52	31.07
For Gate With Single Barb Wire Arm, Add	42.59	
For Gate With Double Barb Wire Arm, Add	61.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.60	
For Aluminized Steel Gate And Post, Add	185.85	
For Powder Coated Gate And Post, Add	100.67	
32 31 13 00-0364 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	552.15	32.21
For Gate With Single Barb Wire Arm, Add	50.09	
For Gate With Double Barb Wire Arm, Add	72.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.38	
For Aluminized Steel Gate And Post, Add	218.58	
For Powder Coated Gate And Post, Add	118.40	
32 31 13 00-0365 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	643.80	39.99
For Gate With Single Barb Wire Arm, Add	57.59	
For Gate With Double Barb Wire Arm, Add	83.77	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.17	
For Aluminized Steel Gate And Post, Add	251.32	
For Powder Coated Gate And Post, Add	136.13	
32 31 13 00-0366 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	735.41	47.86
For Gate With Single Barb Wire Arm, Add	65.09	
For Gate With Double Barb Wire Arm, Add	94.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.95	
For Aluminized Steel Gate And Post, Add	284.04	
For Powder Coated Gate And Post, Add	153.86	
32 31 13 00-0367 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	826.29	55.42
For Gate With Single Barb Wire Arm, Add	72.59	
For Gate With Double Barb Wire Arm, Add	105.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.74	
For Aluminized Steel Gate And Post, Add	316.78	
For Powder Coated Gate And Post, Add	171.59	
32 31 13 00-0368 EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	917.91	63.21
For Gate With Single Barb Wire Arm, Add	80.10	
For Gate With Double Barb Wire Arm, Add	116.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-136.53	
For Aluminized Steel Gate And Post, Add	349.51	
For Powder Coated Gate And Post, Add	189.32	
32 31 13 00-0369 EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,009.56	70.99
For Gate With Single Barb Wire Arm, Add	87.60	
For Gate With Double Barb Wire Arm, Add	127.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.31	
For Aluminized Steel Gate And Post, Add	382.24	
For Powder Coated Gate And Post, Add	207.05	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0370	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,351.74	80.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	122.05	
		<i>For Gate With Double Barb Wire Arm, Add</i>	177.52	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-208.03	
		<i>For Aluminized Steel Gate And Post, Add</i>	532.56	
		<i>For Powder Coated Gate And Post, Add</i>	288.47	
32 31 13 00-0371	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,480.15	86.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	134.14	
		<i>For Gate With Double Barb Wire Arm, Add</i>	195.11	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-228.64	
		<i>For Aluminized Steel Gate And Post, Add</i>	585.32	
		<i>For Powder Coated Gate And Post, Add</i>	317.05	
32 31 13 00-0372	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,680.39	94.09
		<i>For Gate With Single Barb Wire Arm, Add</i>	153.75	
		<i>For Gate With Double Barb Wire Arm, Add</i>	223.64	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-262.08	
		<i>For Aluminized Steel Gate And Post, Add</i>	670.93	
		<i>For Powder Coated Gate And Post, Add</i>	363.42	
32 31 13 00-0373	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,905.10	102.59
		<i>For Gate With Single Barb Wire Arm, Add</i>	175.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	255.50	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-299.41	
		<i>For Aluminized Steel Gate And Post, Add</i>	766.49	
		<i>For Powder Coated Gate And Post, Add</i>	415.18	
32 31 13 00-0374	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,134.92	112.97
		<i>For Gate With Single Barb Wire Arm, Add</i>	197.55	
		<i>For Gate With Double Barb Wire Arm, Add</i>	287.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-336.74	
		<i>For Aluminized Steel Gate And Post, Add</i>	862.06	
		<i>For Powder Coated Gate And Post, Add</i>	466.95	
32 31 13 00-0375	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,373.62	125.42
		<i>For Gate With Single Barb Wire Arm, Add</i>	219.68	
		<i>For Gate With Double Barb Wire Arm, Add</i>	319.54	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-374.46	
		<i>For Aluminized Steel Gate And Post, Add</i>	958.61	
		<i>For Powder Coated Gate And Post, Add</i>	519.25	
32 31 13 00-0376	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,620.12	141.13
		<i>For Gate With Single Barb Wire Arm, Add</i>	241.58	
		<i>For Gate With Double Barb Wire Arm, Add</i>	351.39	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-411.79	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,054.18	
		<i>For Powder Coated Gate And Post, Add</i>	571.01	
32 31 13 00-0377	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,881.54	161.21
		<i>For Gate With Single Barb Wire Arm, Add</i>	263.71	
		<i>For Gate With Double Barb Wire Arm, Add</i>	383.58	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-449.51	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,150.73	
		<i>For Powder Coated Gate And Post, Add</i>	623.31	
32 31 13 00-0378	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,159.60	188.25
		<i>For Gate With Single Barb Wire Arm, Add</i>	285.38	
		<i>For Gate With Double Barb Wire Arm, Add</i>	415.10	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-486.44	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,245.30	
		<i>For Powder Coated Gate And Post, Add</i>	674.54	
32 31 13 00-0379	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,471.13	225.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	307.28	
		<i>For Gate With Double Barb Wire Arm, Add</i>	446.95	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-523.77	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,340.86	
		<i>For Powder Coated Gate And Post, Add</i>	726.30	
32 31 13 00-0380	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,842.46	282.34
		<i>For Gate With Single Barb Wire Arm, Add</i>	329.41	
		<i>For Gate With Double Barb Wire Arm, Add</i>	479.14	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-561.49	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,437.42	
		<i>For Powder Coated Gate And Post, Add</i>	778.60	
32 31 13 00-0381		Vinyl Coated Without Barb Wire Arm <small>(32 31 13 00-0239)</small>		
		Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 00-0382		4' Fence Height <small>(32 31 13 00-0381)</small>		
32 31 13 00-0383	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	195.08	18.90
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-25.95	
		<i>For Gate With Single Barb Wire Arm, Add</i>	15.22	
		<i>For Gate With Double Barb Wire Arm, Add</i>	22.14	
32 31 13 00-0384	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	241.21	18.90
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.60	
		<i>For Gate With Single Barb Wire Arm, Add</i>	20.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	29.52	
32 31 13 00-0385	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	283.44	20.12
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-41.81	
		<i>For Gate With Single Barb Wire Arm, Add</i>	24.53	
		<i>For Gate With Double Barb Wire Arm, Add</i>	35.67	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0386	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	333.97 -49.01 28.75 41.82	24.20
32 31	13 00-0387	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	384.51 -56.22 32.98 47.97	28.20
32 31	13 00-0388	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	435.05 -63.43 37.21 54.12	32.21
32 31	13 00-0389	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	485.59 -70.63 41.44 60.27	36.29
32 31	13 00-0390	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	536.12 -77.84 45.67 66.42	40.30
32 31	13 00-0391	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	674.50 -103.79 60.89 88.56	40.30
32 31	13 00-0392	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	793.85 -124.55 73.07 106.28	43.17
32 31	13 00-0393	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	914.53 -145.30 85.24 123.99	46.50
32 31	13 00-0394	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,036.88 -166.06 97.42 141.71	50.35
32 31	13 00-0395	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,179.50 -186.82 109.60 159.42	60.95
32 31	13 00-0396	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,303.29 -207.58 121.78 177.13	65.33
32 31	13 00-0397	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,429.09 -228.33 133.96 194.84	70.39
32 31	13 00-0398	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,557.40 -249.09 146.13 212.56	76.23
32 31	13 00-0399	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,688.92 -269.85 158.31 230.27	83.19
32 31	13 00-0400	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,824.60 -290.61 170.49 247.98	91.51
32 31	13 00-0401	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,965.82 -311.36 182.67 265.70	101.63
32 31	13 00-0402		5' Fence Height <small>(32 31 13 00-0381)</small>		
32 31	13 00-0403	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	231.96 -32.15 18.86 27.44	20.12
32 31	13 00-0404	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	289.12 -42.87 25.15 36.58	20.12
32 31	13 00-0405	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	335.79 -50.91 29.87 43.44	21.39
32 31	13 00-0406	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	391.49 -58.95 34.58 50.30	25.70

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0407	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	447.22	29.94
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.98	
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	57.16	
32 31	13 00-0408	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	503.69	34.48
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-75.02	
			<i>For Gate With Single Barb Wire Arm, Add</i>	44.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	64.02	
32 31	13 00-0409	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	559.42	38.78
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-83.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	48.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	70.88	
32 31	13 00-0410	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	615.14	43.02
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-91.10	
			<i>For Gate With Single Barb Wire Arm, Add</i>	53.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	77.74	
32 31	13 00-0411	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	815.51	43.17
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-128.61	
			<i>For Gate With Single Barb Wire Arm, Add</i>	75.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	109.74	
32 31	13 00-0412	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	962.66	46.50
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-154.33	
			<i>For Gate With Single Barb Wire Arm, Add</i>	90.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	131.69	
32 31	13 00-0413	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,111.48	50.35
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-180.05	
			<i>For Gate With Single Barb Wire Arm, Add</i>	105.63	
			<i>For Gate With Double Barb Wire Arm, Add</i>	153.64	
32 31	13 00-0414	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,280.59	60.95
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-205.77	
			<i>For Gate With Single Barb Wire Arm, Add</i>	120.72	
			<i>For Gate With Double Barb Wire Arm, Add</i>	175.59	
32 31	13 00-0415	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,430.85	65.33
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-231.49	
			<i>For Gate With Single Barb Wire Arm, Add</i>	135.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	197.54	
32 31	13 00-0416	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,583.12	70.39
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-257.21	
			<i>For Gate With Single Barb Wire Arm, Add</i>	150.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	219.49	
32 31	13 00-0417	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,737.91	76.23
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-282.94	
			<i>For Gate With Single Barb Wire Arm, Add</i>	165.99	
			<i>For Gate With Double Barb Wire Arm, Add</i>	241.44	
32 31	13 00-0418	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,895.90	83.19
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-308.66	
			<i>For Gate With Single Barb Wire Arm, Add</i>	181.08	
			<i>For Gate With Double Barb Wire Arm, Add</i>	263.39	
32 31	13 00-0419	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,058.05	91.51
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-334.38	
			<i>For Gate With Single Barb Wire Arm, Add</i>	196.17	
			<i>For Gate With Double Barb Wire Arm, Add</i>	285.34	
32 31	13 00-0420	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,225.75	101.63
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-360.10	
			<i>For Gate With Single Barb Wire Arm, Add</i>	211.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	307.28	
32 31	13 00-0421	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,401.08	114.34
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-385.82	
			<i>For Gate With Single Barb Wire Arm, Add</i>	226.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	329.23	
32 31	13 00-0422		6' Fence Height (32 31 13 00-0381)		
32 31	13 00-0423	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	248.06	21.55
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.36	
			<i>For Gate With Single Barb Wire Arm, Add</i>	20.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	29.32	
32 31	13 00-0424	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	309.14	21.55
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-45.81	
			<i>For Gate With Single Barb Wire Arm, Add</i>	26.88	
			<i>For Gate With Double Barb Wire Arm, Add</i>	39.09	
32 31	13 00-0425	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	358.96	22.91
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.41	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.43	
32 31	13 00-0426	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	419.15	27.67
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.00	
			<i>For Gate With Single Barb Wire Arm, Add</i>	36.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	53.76	
32 31	13 00-0427	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	479.33	32.52
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.59	
			<i>For Gate With Single Barb Wire Arm, Add</i>	42.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	61.09	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0428 EA 8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	538.74	37.05
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-80.18	
For Gate With Single Barb Wire Arm, Add	47.04	
For Gate With Double Barb Wire Arm, Add	68.42	
32 31 13 00-0429 EA 9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	598.93	41.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.77	
For Gate With Single Barb Wire Arm, Add	52.08	
For Gate With Double Barb Wire Arm, Add	75.75	
32 31 13 00-0430 EA 10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	659.12	46.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.36	
For Gate With Single Barb Wire Arm, Add	57.12	
For Gate With Double Barb Wire Arm, Add	83.08	
32 31 13 00-0431 EA 10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	872.62	46.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.45	
For Gate With Single Barb Wire Arm, Add	80.63	
For Gate With Double Barb Wire Arm, Add	117.29	
32 31 13 00-0432 EA 12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,030.86	50.35
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-164.93	
For Gate With Single Barb Wire Arm, Add	96.76	
For Gate With Double Barb Wire Arm, Add	140.74	
32 31 13 00-0433 EA 14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,222.47	65.33
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-192.42	
For Gate With Single Barb Wire Arm, Add	112.89	
For Gate With Double Barb Wire Arm, Add	164.20	
32 31 13 00-0434 EA 16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,384.17	70.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-219.91	
For Gate With Single Barb Wire Arm, Add	129.01	
For Gate With Double Barb Wire Arm, Add	187.66	
32 31 13 00-0435 EA 18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,548.38	76.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-247.40	
For Gate With Single Barb Wire Arm, Add	145.14	
For Gate With Double Barb Wire Arm, Add	211.11	
32 31 13 00-0436 EA 20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,742.89	83.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.97	
For Gate With Single Barb Wire Arm, Add	164.25	
For Gate With Double Barb Wire Arm, Add	238.91	
32 31 13 00-0437 EA 22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,892.30	91.51
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-303.30	
For Gate With Single Barb Wire Arm, Add	177.94	
For Gate With Double Barb Wire Arm, Add	258.82	
32 31 13 00-0438 EA 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,064.51	101.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-329.87	
For Gate With Single Barb Wire Arm, Add	193.52	
For Gate With Double Barb Wire Arm, Add	281.49	
32 31 13 00-0439 EA 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,249.26	114.34
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-357.35	
For Gate With Single Barb Wire Arm, Add	209.65	
For Gate With Double Barb Wire Arm, Add	304.94	
32 31 13 00-0440 EA 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,444.94	130.66
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-384.84	
For Gate With Single Barb Wire Arm, Add	225.78	
For Gate With Double Barb Wire Arm, Add	328.40	
32 31 13 00-0441 EA 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,656.94	152.46
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-412.33	
For Gate With Single Barb Wire Arm, Add	241.90	
For Gate With Double Barb Wire Arm, Add	351.86	
32 31 13 00-0442 7' Fence Height (32 31 13 00-0381)		
32 31 13 00-0443 EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	262.27	23.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.09	
For Gate With Single Barb Wire Arm, Add	21.17	
For Gate With Double Barb Wire Arm, Add	30.80	
32 31 13 00-0444 EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	326.44	23.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.12	
For Gate With Single Barb Wire Arm, Add	28.23	
For Gate With Double Barb Wire Arm, Add	41.06	
32 31 13 00-0445 EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	378.13	24.42
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.15	
For Gate With Single Barb Wire Arm, Add	33.53	
For Gate With Double Barb Wire Arm, Add	48.77	
32 31 13 00-0446 EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	442.12	29.71
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.17	
For Gate With Single Barb Wire Arm, Add	38.82	
For Gate With Double Barb Wire Arm, Add	56.46	
32 31 13 00-0447 EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	505.36	34.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.19	
For Gate With Single Barb Wire Arm, Add	44.11	
For Gate With Double Barb Wire Arm, Add	64.16	
32 31 13 00-0448 EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	569.38	39.99
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-84.22	
For Gate With Single Barb Wire Arm, Add	49.41	
For Gate With Double Barb Wire Arm, Add	71.87	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0449	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	632.60 -93.24 54.70 79.56	45.06
32 31	13 00-0450	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	696.62 -102.26 59.99 87.26	50.35
32 31	13 00-0451	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	921.18 -144.37 84.70 123.19	50.35
32 31	13 00-0452	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,120.16 -173.24 101.63 147.83	65.33
32 31	13 00-0453	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,289.25 -202.11 118.57 172.47	70.39
32 31	13 00-0454	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,460.83 -230.98 135.51 197.11	76.23
32 31	13 00-0455	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,635.65 -259.86 152.45 221.75	83.19
32 31	13 00-0456	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,814.59 -288.73 169.39 246.38	91.51
32 31	13 00-0457	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,999.08 -317.60 186.32 271.02	101.63
32 31	13 00-0458	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,191.24 -346.48 203.27 295.66	114.34
32 31	13 00-0459	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,394.32 -375.35 220.21 320.30	130.66
32 31	13 00-0460	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,613.68 -404.22 237.14 344.94	152.46
32 31	13 00-0461	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,859.27 -433.10 254.08 369.58	182.94
32 31	13 00-0462	8' Fence Height <small>(32 31 13 00-0381)</small>			
32 31	13 00-0463	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	308.91 -43.74 25.66 37.33	25.18
32 31	13 00-0464	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	386.68 -58.33 34.22 49.77	25.18
32 31	13 00-0465	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	438.53 -68.05 39.92 58.07	25.18
32 31	13 00-0466	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	510.03 -77.77 45.62 66.36	31.75
32 31	13 00-0467	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	581.53 -87.49 51.33 74.66	38.26
32 31	13 00-0468	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	652.28 -97.21 57.03 82.95	44.53
32 31	13 00-0469	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	723.80 -106.93 62.73 91.25	51.11



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0470	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	795.28 -116.65 68.44 99.54	57.69
32 31	13 00-0471	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,129.44 -174.98 102.65 149.32	65.33
32 31	13 00-0472	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,331.17 -209.97 123.18 179.18	70.39
32 31	13 00-0473	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,535.42 -244.97 143.72 209.04	76.23
32 31	13 00-0474	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,742.88 -279.97 164.25 238.90	83.19
32 31	13 00-0475	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,954.49 -314.96 184.78 268.77	91.51
32 31	13 00-0476	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,171.65 -349.96 205.31 298.63	101.63
32 31	13 00-0477	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,396.45 -384.95 225.84 328.49	114.34
32 31	13 00-0478	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,632.16 -419.95 246.37 358.36	130.66
32 31	13 00-0479	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,884.19 -454.94 266.90 388.22	152.46
32 31	13 00-0480	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,162.42 -489.94 287.43 418.08	182.94
32 31	13 00-0481	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,486.41 -524.93 307.96 447.94	228.69
32 31	13 00-0482		10' Fence Height <small>(22 31 13 00-0381)</small>		
32 31	13 00-0483	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	354.65 -50.75 29.77 43.30	27.97
32 31	13 00-0484	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	444.87 -67.66 39.69 57.74	27.97
32 31	13 00-0485	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	508.71 -78.94 46.31 67.36	29.19
32 31	13 00-0486	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	590.02 -90.22 52.93 76.98	36.29
32 31	13 00-0487	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	670.58 -101.49 59.54 86.61	43.02
32 31	13 00-0488	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	751.90 -112.77 66.16 96.23	50.12
32 31	13 00-0489	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	832.46 -124.05 72.77 105.85	56.93
32 31	13 00-0490	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	913.77 -135.32 79.39 115.48	63.96

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0491	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,300.60 -202.98 119.08 173.21	72.62
32 31	13 00-0492	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,533.79 -243.58 142.90 207.85	78.12
32 31	13 00-0493	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,769.97 -284.18 166.72 242.50	84.73
32 31	13 00-0494	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,009.49 -324.77 190.53 277.14	92.37
32 31	13 00-0495	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,253.86 -365.37 214.35 311.78	101.63
32 31	13 00-0496	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,504.12 -405.97 238.17 346.42	112.89
32 31	13 00-0497	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,763.20 -446.56 261.98 381.07	127.05
32 31	13 00-0498	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,033.93 -487.16 285.80 415.71	145.08
32 31	13 00-0499	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,323.40 -527.76 309.62 450.35	169.37
32 31	13 00-0500	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,641.11 -568.35 333.43 484.99	203.10
32 31	13 00-0501	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,010.79 -608.95 357.25 519.64	254.10
32 31	13 00-0502		12' Fence Height (32 31 13 00-0381)		
32 31	13 00-0503	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	470.78 -70.77 41.52 60.39	31.07
32 31	13 00-0504	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	596.25 -94.30 55.32 80.47	31.07
32 31	13 00-0505	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	693.00 -111.79 65.59 95.40	32.21
32 31	13 00-0506	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	794.22 -126.38 74.14 107.84	39.99
32 31	13 00-0507	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	904.07 -142.58 83.65 121.67	47.86
32 31	13 00-0508	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,013.16 -158.78 93.15 135.49	55.42
32 31	13 00-0509	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,123.00 -174.98 102.66 149.32	63.21
32 31	13 00-0510	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,224.22 -189.56 111.21 161.76	70.99
32 31	13 00-0511	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,758.14 -284.25 166.76 242.56	80.69



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0512	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,129.26 -350.35 205.54 298.96	86.87
32 31	13 00-0513	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,464.30 -409.07 239.98 349.07	94.09
32 31	13 00-0514	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,801.00 -467.39 274.20 398.84	102.59
32 31	13 00-0515	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,138.82 -524.94 307.96 447.95	112.97
32 31	13 00-0516	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,487.27 -583.27 342.18 497.72	125.42
32 31	13 00-0517	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,845.76 -641.60 376.40 547.49	141.13
32 31	13 00-0518	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,217.09 -699.92 410.62 597.27	161.21
32 31	13 00-0519	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,619.59 -760.19 445.98 648.70	188.25
32 31	13 00-0520	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	5,043.10 -818.52 480.20 698.47	225.69
32 31	13 00-0521	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	5,524.35 -876.85 514.42 748.24	282.34
32 31	13 00-0522		Sliding Gate (32 31 13 00-0239) Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31	13 00-0523		4' High Sliding Gate (32 31 13 00-0522)		
32 31	13 00-0524	EA	10' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,562.08 110.52 301.42	278.65
32 31	13 00-0525	EA	12' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,878.45 132.63 361.71	336.42
32 31	13 00-0526	EA	14' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,191.68 154.73 421.99	392.48
32 31	13 00-0527	EA	16' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,509.80 176.84 482.28	451.11
32 31	13 00-0528	EA	18' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,823.56 198.94 542.57	507.51
32 31	13 00-0529	EA	20' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,126.90 221.05 602.85	558.67
32 31	13 00-0530	EA	24' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,739.22 263.31 718.11	672.76
32 31	13 00-0531	EA	30' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,554.01 331.57 904.27	1,269.89
32 31	13 00-0532	EA	40' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,405.33 442.09 1,205.69	1,693.19
32 31	13 00-0533		5' High Sliding Gate (32 31 13 00-0522)		
32 31	13 00-0534	EA	10' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,640.83 113.77 310.28	303.28
32 31	13 00-0535	EA	12' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,968.16 136.52 372.34	363.55

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0536	EA	14' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,296.04 159.28 434.40	424.07
32 31	13 00-0537	EA	16' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,624.28 182.03 496.45	484.76
32 31	13 00-0538	EA	18' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,952.13 204.79 558.51	545.20
32 31	13 00-0539	EA	20' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,280.19 227.54 620.57	605.80
32 31	13 00-0540	EA	24' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,919.66 271.05 739.22	727.79
32 31	13 00-0541	EA	30' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,920.59 341.31 930.85	908.92
32 31	13 00-0542	EA	40' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,560.36 455.08 1,241.13	1,211.60
32 31	13 00-0543		6' High Sliding Gate (32 31 13 00-0522)		
32 31	13 00-0544	EA	10' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,766.02 116.04 316.49	355.57
32 31	13 00-0545	EA	12' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,116.73 139.25 379.78	425.36
32 31	13 00-0546	EA	14' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,469.34 162.46 443.08	496.17
32 31	13 00-0547	EA	16' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,822.29 185.67 506.37	567.17
32 31	13 00-0548	EA	18' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,174.92 208.88 569.67	638.00
32 31	13 00-0549	EA	20' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,532.33 232.09 632.97	711.22
32 31	13 00-0550	EA	24' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,214.87 276.46 753.99	850.80
32 31	13 00-0551	EA	30' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,292.33 348.13 949.45	1,063.78
32 31	13 00-0552	EA	40' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,055.27 464.18 1,265.94	1,417.72
32 31	13 00-0553		7' High Sliding Gate (32 31 13 00-0522)		
32 31	13 00-0554	EA	10' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,889.49 120.59 328.89	396.60
32 31	13 00-0555	EA	12' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,266.77 144.71 394.67	475.57
32 31	13 00-0556	EA	14' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,645.34 168.83 460.44	555.24
32 31	13 00-0557	EA	16' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,022.54 192.95 526.22	634.21
32 31	13 00-0558	EA	18' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,400.49 217.07 592.00	713.63
32 31	13 00-0559	EA	20' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,777.88 241.18 657.77	792.69
32 31	13 00-0560	EA	24' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,514.15 287.30 783.54	951.15
32 31	13 00-0561	EA	30' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,666.82 361.77 986.66	1,188.95
32 31	13 00-0562	EA	40' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,555.76 482.37 1,315.55	1,585.28
32 31	13 00-0563		8' High Sliding Gate (32 31 13 00-0522)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0564 EA 10' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,988.07 124.16 338.63	429.65
32 31 13 00-0565 EA 12' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,383.22 149.00 406.36	514.38
32 31 13 00-0566 EA 14' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,780.47 173.83 474.08	600.14
32 31 13 00-0567 EA 16' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,177.89 198.66 541.81	685.89
32 31 13 00-0568 EA 18' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,574.35 223.50 609.53	771.31
32 31 13 00-0569 EA 20' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,971.85 248.33 677.26	857.15
32 31 13 00-0570 EA 24' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,746.56 295.81 806.75	1,028.68
32 31 13 00-0571 EA 30' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,958.42 372.49 1,015.89	1,286.03
32 31 13 00-0572 EA 40' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,941.99 496.66 1,354.52	1,713.45
32 31 13 00-0573 9' High Sliding Gate <small>(32 31 13 00-0522)</small>		
32 31 13 00-0574 EA 10' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,104.58 128.39 350.15	468.70
32 31 13 00-0575 EA 12' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,522.00 154.06 420.18	560.74
32 31 13 00-0576 EA 14' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,942.12 179.74 490.21	654.05
32 31 13 00-0577 EA 16' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,362.99 205.42 560.24	747.79
32 31 13 00-0578 EA 18' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,783.27 231.10 630.26	841.19
32 31 13 00-0579 EA 20' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,203.55 256.78 700.30	934.59
32 31 13 00-0580 EA 24' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,023.46 305.87 834.19	1,121.39
32 31 13 00-0581 EA 30' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,304.55 385.16 1,050.44	1,401.58
32 31 13 00-0582 EA 40' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,409.13 513.55 1,400.59	1,870.29
32 31 13 00-0583 10' High Sliding Gate <small>(32 31 13 00-0522)</small>		
32 31 13 00-0584 EA 10' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,248.52 133.91 365.21	515.58
32 31 13 00-0585 EA 12' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,698.23 160.69 438.25	618.68
32 31 13 00-0586 EA 14' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,148.27 187.47 511.29	721.95
32 31 13 00-0587 EA 16' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,597.83 214.26 584.33	825.05
32 31 13 00-0588 EA 18' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,047.33 241.04 657.37	928.06
32 31 13 00-0589 EA 20' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,497.04 267.82 730.42	1,031.16
32 31 13 00-0590 EA 24' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,375.91 319.03 870.07	1,237.87
32 31 13 00-0591 EA 30' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,745.56 401.73 1,095.62	1,546.74

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0592 EA 40' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,991.61 535.64 1,460.83	2,061.11
32 31 13 00-0593 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller <small>(32 31 13 00-0239)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.		
32 31 13 00-0594 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	2,839.99 236.86 344.52 1,033.55 452.18 645.97	343.37
32 31 13 00-0595 EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,158.25 252.98 367.97 1,103.91 482.96 689.94	429.22
32 31 13 00-0596 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,478.53 269.32 391.74 1,175.23 514.16 734.52	515.06
32 31 13 00-0597 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,148.35 305.23 443.98 1,331.93 582.72 832.46	686.76
32 31 13 00-0598 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,895.07 277.37 403.45 1,210.35 529.53 756.47	686.76
32 31 13 00-0599 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,642.52 312.38 454.37 1,363.10 596.36 851.94	901.37
32 31 13 00-0600 EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,091.62 424.56 617.55 1,852.64 810.53 1,157.90	1,115.97
32 31 13 00-0601 EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,920.79 468.56 681.54 2,044.62 894.52 1,277.89	1,330.58
32 31 13 00-0602 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,601.83 317.34 461.59 1,384.77 605.84 865.48	858.44
32 31 13 00-0603 EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,566.27 357.33 519.76 1,559.27 682.18 974.54	1,158.90
32 31 13 00-0604 EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	7,333.83 485.66 706.42 2,119.26 927.18 1,324.54	1,459.35
32 31 13 00-0605 EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	8,305.85 535.93 779.53 2,338.60 1,023.14 1,461.62	1,716.89

32 31 13 00-0606 Gate Accessories (32 31 13 00-0239)



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0607	EA	Gate Center Stop, Cast Steel, Ground	17.74	
32 31	13 00-0608	EA	Gate Latch, Malleable Galvanized Steel	32.81	
32 31	13 00-0609	EA	Gate Keeper, Full Length, Galvanized Steel.....	146.41	
32 31	13 00-0610	EA	Gate Keeper Hold-Open For Cantilever Gate.....	67.49	14.36
32 31	13 00-0611	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	38.10	
32 31	13 00-0612	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	764.10	
32 31	13 00-0613	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	819.12	
32 31	13 00-0614	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	874.14	
32 31	13 00-0615		Accessories (32 31 13)		
32 31	13 00-0616		Barbed And Concertina Wire (32 31 13 00-0615)		
32 31	13 00-0617		Single Strand Barbed Wire (32 31 13 00-0616)		
32 31	13 00-0618	LF	Galvanized Barbed Wire, Per Strand.....	0.80	0.38
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			For >500 To 2,000, Deduct	-0.08	
			For >2,000, Deduct	-0.12	
32 31	13 00-0619	LF	Vinyl Coated Barbed Wire (Fused), Per Strand	0.88	0.38
			Note: Includes clips.		
			For >500 To 2,000, Deduct	-0.08	
			For >2,000, Deduct	-0.12	
32 31	13 00-0620	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	8.27	6.05
32 31	13 00-0621	EA	Barbed Wire Extension Arms 6 Strands (Double Arm)	12.69	7.26
32 31	13 00-0622	EA	Barbed Wire Eye Tops (For Single Strand).....	8.84	6.05
32 31	13 00-0623		Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 00-0616)		
32 31	13 00-0624	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.52	0.52
			For >500 To 1,500, Deduct	-0.23	
			For >1,500 To 5,000, Deduct	-0.45	
			For >5,000, Deduct	-0.66	
			For Ground Installation, Deduct	-0.38	
			For Double Coil (Helix), Add	1.76	
32 31	13 00-0625	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.78	0.52
			For >500 To 1,500, Deduct	-0.34	
			For >1,500 To 5,000, Deduct	-0.68	
			For >5,000, Deduct	-0.98	
			For Ground Installation, Deduct	-0.57	
			For Double Coil (Helix), Add	2.65	
32 31	13 00-0626	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	5.02	0.52
			For >500 To 1,500, Deduct	-0.45	
			For >1,500 To 5,000, Deduct	-0.90	
			For >5,000, Deduct	-1.31	
			For Ground Installation, Deduct	-0.76	
			For Double Coil (Helix), Add	3.51	
32 31	13 00-0627	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.08	0.52
			For >500 To 1,500, Deduct	-0.27	
			For >1,500 To 5,000, Deduct	-0.55	
			For >5,000, Deduct	-0.78	
			For Ground Installation, Deduct	-0.42	
			For Double Coil (Helix), Add	2.24	
32 31	13 00-0628	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.64	0.52
			For >500 To 1,500, Deduct	-0.41	
			For >1,500 To 5,000, Deduct	-0.82	
			For >5,000, Deduct	-1.18	
			For Ground Installation, Deduct	-0.63	
			For Double Coil (Helix), Add	3.38	
32 31	13 00-0629	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.14	0.52
			For >500 To 1,500, Deduct	-0.54	
			For >1,500 To 5,000, Deduct	-1.09	
			For >5,000, Deduct	-1.56	
			For Ground Installation, Deduct	-0.84	
			For Double Coil (Helix), Add	4.47	
32 31	13 00-0630	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.38	0.52
			For >500 To 1,500, Deduct	-0.60	
			For >1,500 To 5,000, Deduct	-1.20	
			For >5,000, Deduct	-1.67	
			For Ground Installation, Deduct	-0.47	
			For Double Coil (Helix), Add	6.44	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0631	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.16	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.91	
			<i>For >1,500 To 5,000, Deduct</i>	-1.82	
			<i>For >5,000, Deduct</i>	-2.52	
			<i>For Ground Installation, Deduct</i>	-0.71	
			<i>For Double Coil (Helix), Add</i>	9.74	
32 31	13 00-0632	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.76	0.52
			<i>For >500 To 1,500, Deduct</i>	-1.20	
			<i>For >1,500 To 5,000, Deduct</i>	-2.40	
			<i>For >5,000, Deduct</i>	-3.33	
			<i>For Ground Installation, Deduct</i>	-0.95	
			<i>For Double Coil (Helix), Add</i>	12.87	
32 31	13 00-0633		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 00-0616)</small>		
32 31	13 00-0634	LF	18" Diameter, 18" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.12	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.27	
			<i>For >1,500 To 5,000, Deduct</i>	-0.54	
			<i>For >5,000, Deduct</i>	-0.78	
			<i>For Ground Installation, Deduct</i>	-0.38	
			<i>For Double Coil (Helix), Add</i>	2.36	
32 31	13 00-0635	LF	18" Diameter, 12" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.69	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.41	
			<i>For >1,500 To 5,000, Deduct</i>	-0.82	
			<i>For >5,000, Deduct</i>	-1.17	
			<i>For Ground Installation, Deduct</i>	-0.57	
			<i>For Double Coil (Helix), Add</i>	3.56	
32 31	13 00-0636	LF	18" Diameter, 9" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.22	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.54	
			<i>For >1,500 To 5,000, Deduct</i>	-1.08	
			<i>For >5,000, Deduct</i>	-1.55	
			<i>For Ground Installation, Deduct</i>	-0.76	
			<i>For Double Coil (Helix), Add</i>	4.71	
32 31	13 00-0637	LF	24" Diameter, 18" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.88	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.33	
			<i>For >1,500 To 5,000, Deduct</i>	-0.67	
			<i>For >5,000, Deduct</i>	-0.94	
			<i>For Ground Installation, Deduct</i>	-0.42	
			<i>For Double Coil (Helix), Add</i>	3.04	
32 31	13 00-0638	LF	24" Diameter, 12" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.85	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.50	
			<i>For >1,500 To 5,000, Deduct</i>	-1.00	
			<i>For >5,000, Deduct</i>	-1.42	
			<i>For Ground Installation, Deduct</i>	-0.63	
			<i>For Double Coil (Helix), Add</i>	4.59	
32 31	13 00-0639	LF	24" Diameter, 9" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.74	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.66	
			<i>For >1,500 To 5,000, Deduct</i>	-1.33	
			<i>For >5,000, Deduct</i>	-1.88	
			<i>For Ground Installation, Deduct</i>	-0.84	
			<i>For Double Coil (Helix), Add</i>	6.07	
32 31	13 00-0640	LF	30" Diameter, 18" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.41	0.52
			<i>For >500 To 1,500, Deduct</i>	-0.83	
			<i>For >1,500 To 5,000, Deduct</i>	-1.66	
			<i>For >5,000, Deduct</i>	-2.27	
			<i>For Ground Installation, Deduct</i>	-0.47	
			<i>For Double Coil (Helix), Add</i>	9.47	
32 31	13 00-0641	LF	30" Diameter, 12" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.75	0.52
			<i>For >500 To 1,500, Deduct</i>	-1.25	
			<i>For >1,500 To 5,000, Deduct</i>	-2.50	
			<i>For >5,000, Deduct</i>	-3.43	
			<i>For Ground Installation, Deduct</i>	-0.71	
			<i>For Double Coil (Helix), Add</i>	14.33	
32 31	13 00-0642	LF	30" Diameter, 9" O.C. Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.82	0.52
			<i>For >500 To 1,500, Deduct</i>	-1.66	
			<i>For >1,500 To 5,000, Deduct</i>	-3.31	
			<i>For >5,000, Deduct</i>	-4.54	
			<i>For Ground Installation, Deduct</i>	-0.95	
			<i>For Double Coil (Helix), Add</i>	18.93	
32 31	13 00-0643		Grounding For Gates <small>(32 31 13 00-0615)</small>		
			Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31	13 00-0644	OPN	Grounding For Gates (Per Opening).....	368.24	



Exterior Improvements		32
Site Improvements		32 30
Fences And Gates		32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0645 Coiled Spring Reinforcing Wire <small>(32 31 13 00-0615)</small>		
32 31 13 00-0646 Galvanized Steel <small>(32 31 13 00-0645)</small>		
32 31 13 00-0647 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	0.86	0.38
32 31 13 00-0648 Vinyl Coated Steel <small>(32 31 13 00-0645)</small>		
32 31 13 00-0649 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.86	0.38
32 31 13 00-0650 Bending Of Fabric Around Pipe Railings <small>(32 31 13 00-0615)</small>		
Note: Only where specified.		
32 31 13 00-0651 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.18	
32 31 13 00-0652 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.04	
32 31 13 00-0653 Mounting Plate With Anchors Or Bolts <small>(32 31 13 00-0615)</small>		
Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 00-0654 EA Mounting Plate For 1-5/8" Diameter Post	27.08	
32 31 13 00-0655 EA Mounting Plate For 2" Diameter Post.....	27.46	
32 31 13 00-0656 EA Mounting Plate For 2-1/2" Diameter Post	28.33	
32 31 13 00-0657 EA Mounting Plate For 3" Diameter Post.....	33.65	
32 31 13 00-0658 EA Mounting Plate For 4" Diameter Post.....	38.39	
32 31 13 00-0659 EA Mounting Plate For 6-5/8" Diameter Post	44.08	
32 31 13 00-0660 EA Mounting Plate For 8-5/8" Diameter Post	51.58	
32 31 13 00-0661 Fence And Gate Repair And Replacement <small>(32 31 13)</small>		
32 31 13 00-0662 Fence And Gate Parts Replacement <small>(32 31 13 00-0661)</small>		
32 31 13 00-0663 EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	82.97	
32 31 13 00-0664 EA Sliding Gate Roller Assembly Replacement	83.51	
32 31 13 00-0665 EA Rod And Lock Gate Keeper Replacement.....	81.29	
32 31 13 00-0666 EA Galvanized Gate Holdback Replacement.....	19.36	
32 31 13 00-0667 LF 3/8" Cross Bracing Rod Replacement	1.06	
32 31 13 00-0668 LF 1-5/8" Diagonal Pipe Bracing Replacement.....	1.63	
32 31 13 00-0669 EA 2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	11.05	
32 31 13 00-0670 EA 3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	12.81	
32 31 13 00-0671 EA 4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	14.54	
32 31 13 00-0672 EA 6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	25.83	
32 31 13 00-0673 EA 8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	30.88	
32 31 13 00-0674 EA 2-1/2" x 2" Off Set Gate Hinge Replacement.....	17.44	
32 31 13 00-0675 EA 3" x 2" Off Set Gate Hinge Replacement.....	18.22	
32 31 13 00-0676 EA 4" x 2" Off Set Gate Hinge Replacement	19.48	
32 31 13 00-0677 EA 6-5/8" x 2" Off Set Gate Hinge Replacement	30.39	
32 31 13 00-0678 EA 8-5/8" x 2" Off Set Gate Hinge Replacement.....	46.45	
32 31 13 00-0679 EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	3.82	
32 31 13 00-0680 EA 2" Aluminum Die-Cast Post Cap Replacement.....	4.19	
32 31 13 00-0681 EA 2-1/2" Aluminum Die-Cast Post Cap Replacement.....	4.73	
32 31 13 00-0682 EA 3" Aluminum Die-Cast Post Cap Replacement.....	5.36	
32 31 13 00-0683 EA 2" Galvanized Post Cap Replacement.....	4.63	
32 31 13 00-0684 EA 2-1/2" Galvanized Post Cap Replacement.....	5.02	
32 31 13 00-0685 EA 3" Galvanized Post Cap Replacement.....	5.72	
32 31 13 00-0686 EA 4" Galvanized Post Cap Replacement.....	8.12	
32 31 13 00-0687 EA 6-5/8" Galvanized Post Cap Replacement.....	14.27	
32 31 13 00-0688 EA 8-5/8" Galvanized Post Cap Replacement.....	22.95	
32 31 13 00-0689 EA 1-5/8" Boulevard Clamp Replacement.....	7.84	
32 31 13 00-0690 EA 2" Boulevard Clamp Replacement.....	9.52	
32 31 13 00-0691 EA 2-1/2" Boulevard Clamp Replacement.....	11.19	
32 31 13 00-0692 EA 3" Boulevard Clamp Replacement.....	13.57	
32 31 13 00-0693 EA 1-5/8" Gate Brace Or End Rail Clamp Replacement	7.71	
32 31 13 00-0694 EA 2" Gate Brace Or End Rail Clamp Replacement	9.35	
32 31 13 00-0695 EA 2-1/2" Gate Brace Or End Rail Clamp Replacement	11.02	
32 31 13 00-0696 EA 3" Gate Brace Or End Rail Clamp Replacement	13.39	
32 31 13 00-0697 EA 1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.10	
32 31 13 00-0698 EA 1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.15	
32 31 13 00-0699 EA 2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.30	
32 31 13 00-0700 EA 2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.24	
32 31 13 00-0701 EA 3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.35	
32 31 13 00-0702 EA 3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.44	
32 31 13 00-0703 EA 4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.70	
32 31 13 00-0704 EA 6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.63	
32 31 13 00-0705 Remove And Reinstall Chain Link Fences <small>(32 31 13)</small>		
Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 00-0706 LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	15.12	
32 31 13 00-0707 LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	22.68	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0708			Regulation Baseball Backstop And Fencing (32 31 13) See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0709	EA		20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	7,827.94	1,388.79
32 31 13 00-0710	EA		34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	11,257.04	1,851.72
32 31 13 00-0711	EA		48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	14,300.81	2,160.34
32 31 13 00-0712	EA		20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	10,859.34	1,388.79
32 31 13 00-0713	EA		34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	15,792.97	1,851.72
32 31 13 00-0714	EA		48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,286.67	2,160.34
32 31 13 00-0715			Regulation Softball Backstop (32 31 13) See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0716			14' High Softball Backstop (32 31 13 00-0715) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0717	EA		14' Softball Backstop, Galvanized Regulation.....	6,941.26	1,492.92
32 31 13 00-0718	EA		14' Softball Backstop, Vinyl Coated Regulation	9,115.43	1,492.92
32 31 13 00-0719			18' High Softball Backstop (32 31 13 00-0715) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0720	EA		18' Softball Backstop, Galvanized Regulation.....	8,071.66	1,659.71
32 31 13 00-0721	EA		18' Softball Backstop Vinyl Coated Regulation	10,701.70	1,659.71
32 31 13 00-0722			20' High Softball Backstop (32 31 13 00-0715) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0723	EA		20' Softball Backstop, Galvanized Regulation.....	9,090.38	1,749.93
32 31 13 00-0724	EA		20' Softball Backstop, Vinyl Coated Regulation	12,211.40	1,749.93
32 31 13 00-0725			22' High Softball Backstop (32 31 13 00-0715) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0726	EA		22' Softball Backstop, Galvanized Regulation.....	10,415.79	1,802.73
32 31 13 00-0727	EA		22' Softball Backstop, Vinyl Coated Regulation	14,167.98	1,802.73
32 31 13 00-0728			24' High Softball Backstop (32 31 13 00-0715) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0729	EA		24' Softball Backstop, Galvanized Regulation.....	12,327.29	2,060.26
32 31 13 00-0730	EA		24' Softball Backstop, Vinyl Coated Regulation	16,991.22	2,060.26
32 31 19			Decorative Metal Fences And Gates (32 31) See CSI section 32 31 13 00-0001 for drilling and grouting.		
32 31 19 00-0001			Wrought Iron Fence (32 31 19) Note: Factory primed.		
32 31 19 00-0002			Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003	LF		3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	57.62	8.32
			For Verticals Up To 2" On Center, Add	8.20	
			For Verticals >2" To 2-1/2" On Center, Add	4.10	
			For Verticals >3" To 4" On Center, Deduct	-4.10	
			For Verticals >4" To 6" On Center, Deduct	-8.20	
32 31 19 00-0004	LF		4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	74.76	10.59
			For Verticals Up To 2" On Center, Add	10.87	
			For Verticals >2" To 2-1/2" On Center, Add	5.43	
			For Verticals >3" To 4" On Center, Deduct	-5.43	
			For Verticals >4" To 6" On Center, Deduct	-10.87	
32 31 19 00-0005	LF		5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	90.74	11.04
			For Verticals Up To 2" On Center, Add	13.70	
			For Verticals >2" To 2-1/2" On Center, Add	6.85	
			For Verticals >3" To 4" On Center, Deduct	-6.85	
			For Verticals >4" To 6" On Center, Deduct	-13.70	
32 31 19 00-0006	LF		6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	110.08	13.31
			For Verticals Up To 2" On Center, Add	16.68	
			For Verticals >2" To 2-1/2" On Center, Add	8.34	
			For Verticals >3" To 4" On Center, Deduct	-8.34	
			For Verticals >4" To 6" On Center, Deduct	-16.68	
32 31 19 00-0007	LF		7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	131.83	14.09
			For Verticals Up To 2" On Center, Add	20.73	
			For Verticals >2" To 2-1/2" On Center, Add	10.37	
			For Verticals >3" To 4" On Center, Deduct	-10.37	
			For Verticals >4" To 6" On Center, Deduct	-20.73	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	153.56 24.79 12.39 -12.39 -24.79	14.82
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	189.37 31.22 15.61 -15.61 -31.22	16.63
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	225.24 37.49 18.74 -18.74 -37.49	18.90
32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim	71.73	10.13
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	94.22	12.55
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	116.19	15.12
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	141.63	18.14
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	197.11	20.12
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	242.31	22.22
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	286.58	25.26
32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim	88.37	9.07
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim	116.60	11.34
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim	143.26	13.61
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim	174.32	16.33
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim	243.50	18.14
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim	299.74	19.96
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim	354.93	22.68
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029 LF Replace Wrought Iron Picket	17.45	
32 31 19 00-0030 LF Replace Wrought Iron Post	27.35	
32 31 19 00-0031 EA Straigten Wrought Iron Post	60.48	
32 31 19 00-0032 Steel Tube Fence, Galvanized (32 31 19) Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i> <i>For Powder Coated Finish, Add</i> <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i> <i>For 3" Square Posts, Add</i>	41.67 5.07 2.54 -2.54 -5.07 3.81 8.15 5.17 1.90 6.34 1.27 2.54	8.32
32 31 19 00-0035 LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i> <i>For Powder Coated Finish, Add</i> <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i> <i>For 3" Square Posts, Add</i>	47.44 5.64 2.82 -2.82 -5.64 4.23 9.23 5.57 2.11 7.05 1.41 2.82	9.82

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0036	LF	5'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	51.11	11.04
			<i>For Verticals Up To 2" On Center, Add</i>	5.78	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.89	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.89	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.78	
			<i>For Powder Coated Finish, Add</i>	4.33	
			<i>For Solid Pickets, Add</i>	9.83	
			<i>For Aluminum With Satin Finish, Add</i>	5.33	
			<i>For Third Rail, Add</i>	2.17	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	7.22	
			<i>For Color, Add</i>	1.44	
			<i>For 3" Square Posts, Add</i>	2.89	
32 31 19 00-0037	LF	6'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	59.00	12.48
			<i>For Verticals Up To 2" On Center, Add</i>	6.81	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.41	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.41	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-6.81	
			<i>For Powder Coated Finish, Add</i>	5.11	
			<i>For Solid Pickets, Add</i>	11.40	
			<i>For Aluminum With Satin Finish, Add</i>	6.47	
			<i>For Third Rail, Add</i>	2.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	8.51	
			<i>For Color, Add</i>	1.70	
			<i>For 3" Square Posts, Add</i>	3.41	
32 31 19 00-0038	LF	7'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	67.11	13.61
			<i>For Verticals Up To 2" On Center, Add</i>	7.98	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.99	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.99	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-7.98	
			<i>For Powder Coated Finish, Add</i>	5.98	
			<i>For Solid Pickets, Add</i>	13.06	
			<i>For Aluminum With Satin Finish, Add</i>	7.88	
			<i>For Third Rail, Add</i>	2.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	9.97	
			<i>For Color, Add</i>	1.99	
			<i>For 4" Square Posts, Add</i>	13.96	
32 31 19 00-0039	LF	8'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	75.36	14.82
			<i>For Verticals Up To 2" On Center, Add</i>	9.15	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.57	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.57	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-9.15	
			<i>For Powder Coated Finish, Add</i>	6.86	
			<i>For Solid Pickets, Add</i>	14.73	
			<i>For Aluminum With Satin Finish, Add</i>	9.27	
			<i>For Third Rail, Add</i>	3.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	11.43	
			<i>For Color, Add</i>	2.29	
			<i>For 4" Square Posts, Add</i>	16.01	
32 31 19 00-0040	LF	9'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	86.74	15.88
			<i>For Verticals Up To 2" On Center, Add</i>	11.00	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.50	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.50	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-11.00	
			<i>For Powder Coated Finish, Add</i>	8.25	
			<i>For Solid Pickets, Add</i>	17.14	
			<i>For Aluminum With Satin Finish, Add</i>	11.73	
			<i>For Third Rail, Add</i>	4.12	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.75	
			<i>For Color, Add</i>	2.75	
			<i>For 4" Square Posts, Add</i>	19.25	
32 31 19 00-0041	LF	10'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	98.27	17.02
			<i>For Verticals Up To 2" On Center, Add</i>	12.85	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	6.43	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-6.43	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-12.85	
			<i>For Powder Coated Finish, Add</i>	9.64	
			<i>For Solid Pickets, Add</i>	19.56	
			<i>For Aluminum With Satin Finish, Add</i>	14.17	
			<i>For Third Rail, Add</i>	4.82	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	16.06	
			<i>For Color, Add</i>	3.21	
			<i>For 6" Square Posts, Add</i>	22.49	
32 31 19 00-0042	LF	12'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	115.01	18.90
			<i>For Verticals Up To 2" On Center, Add</i>	15.44	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	7.72	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-7.72	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-15.44	
			<i>For Powder Coated Finish, Add</i>	11.58	
			<i>For Solid Pickets, Add</i>	23.04	
			<i>For Aluminum With Satin Finish, Add</i>	17.49	
			<i>For Third Rail, Add</i>	5.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	19.30	
			<i>For Color, Add</i>	3.86	
			<i>For 6" Square Posts, Add</i>	27.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0043 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	123.30	20.41
<i>For Verticals Up To 2" On Center, Add</i>	16.50	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	8.25	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-8.25	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-16.50	
<i>For Powder Coated Finish, Add</i>	12.37	
<i>For Solid Pickets, Add</i>	24.68	
<i>For Aluminum With Satin Finish, Add</i>	18.62	
<i>For Third Rail, Add</i>	6.19	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	20.62	
<i>For Color, Add</i>	4.12	
<i>For 6" Square Posts, Add</i>	28.87	
32 31 19 00-0044 Steel Tube Swing Gates <small>(32 31 19 00-0032)</small>		
32 31 19 00-0045 4' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0046 EA 4' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	636.87	18.90
<i>For Solid Pickets, Add</i>	139.04	
<i>For Aluminum With Satin Finish, Add</i>	165.55	
<i>For Third Rail, Add</i>	43.51	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	58.02	
<i>For Color, Add</i>	29.01	
32 31 19 00-0047 EA 5' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	710.27	20.12
<i>For Solid Pickets, Add</i>	155.27	
<i>For Aluminum With Satin Finish, Add</i>	185.87	
<i>For Third Rail, Add</i>	48.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	64.98	
<i>For Color, Add</i>	32.49	
32 31 19 00-0048 EA 6' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	768.80	24.20
<i>For Solid Pickets, Add</i>	167.54	
<i>For Aluminum With Satin Finish, Add</i>	197.97	
<i>For Third Rail, Add</i>	52.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
<i>For Color, Add</i>	34.81	
32 31 19 00-0049 EA 7' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	943.34	28.20
<i>For Solid Pickets, Add</i>	205.90	
<i>For Aluminum With Satin Finish, Add</i>	244.89	
<i>For Third Rail, Add</i>	64.40	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.87	
<i>For Color, Add</i>	42.93	
32 31 19 00-0050 EA 8' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,059.38	28.20
<i>For Solid Pickets, Add</i>	232.01	
<i>For Aluminum With Satin Finish, Add</i>	279.70	
<i>For Third Rail, Add</i>	73.10	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	97.47	
<i>For Color, Add</i>	48.73	
32 31 19 00-0051 EA 9' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,176.39	36.29
<i>For Solid Pickets, Add</i>	256.52	
<i>For Aluminum With Satin Finish, Add</i>	303.93	
<i>For Third Rail, Add</i>	80.06	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.75	
<i>For Color, Add</i>	53.38	
32 31 19 00-0052 EA 10' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,281.30	40.30
<i>For Solid Pickets, Add</i>	279.22	
<i>For Aluminum With Satin Finish, Add</i>	329.96	
<i>For Third Rail, Add</i>	87.03	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.03	
<i>For Color, Add</i>	58.02	
32 31 19 00-0053 5' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0054 EA 4' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	687.07	20.12
<i>For Solid Pickets, Add</i>	150.05	
<i>For Aluminum With Satin Finish, Add</i>	178.91	
<i>For Third Rail, Add</i>	46.99	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	62.66	
<i>For Color, Add</i>	31.33	
32 31 19 00-0055 EA 5' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	760.49	21.39
<i>For Solid Pickets, Add</i>	166.29	
<i>For Aluminum With Satin Finish, Add</i>	199.22	
<i>For Third Rail, Add</i>	52.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
<i>For Color, Add</i>	34.81	
32 31 19 00-0056 EA 6' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	819.74	25.70
<i>For Solid Pickets, Add</i>	178.66	
<i>For Aluminum With Satin Finish, Add</i>	211.22	
<i>For Third Rail, Add</i>	55.70	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.26	
<i>For Color, Add</i>	37.13	
32 31 19 00-0057 EA 7' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	995.04	29.94
<i>For Solid Pickets, Add</i>	217.14	
<i>For Aluminum With Satin Finish, Add</i>	258.03	
<i>For Third Rail, Add</i>	67.88	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.51	
<i>For Color, Add</i>	45.25	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0058	EA	8' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,147.90	34.48
			<i>For Solid Pickets, Add</i>	250.51	
			<i>For Aluminum With Satin Finish, Add</i>	297.75	
			<i>For Third Rail, Add</i>	78.32	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.43	
			<i>For Color, Add</i>	52.22	
32 31	19 00-0059	EA	9' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,253.57	38.78
			<i>For Solid Pickets, Add</i>	273.32	
			<i>For Aluminum With Satin Finish, Add</i>	323.68	
			<i>For Third Rail, Add</i>	85.29	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.71	
			<i>For Color, Add</i>	56.86	
32 31	19 00-0060	EA	10' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,382.46	43.02
			<i>For Solid Pickets, Add</i>	301.36	
			<i>For Aluminum With Satin Finish, Add</i>	356.56	
			<i>For Third Rail, Add</i>	93.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	125.32	
			<i>For Color, Add</i>	62.66	
32 31	19 00-0061		6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31	19 00-0062	EA	4' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	761.01	21.55
			<i>For Solid Pickets, Add</i>	166.37	
			<i>For Aluminum With Satin Finish, Add</i>	199.14	
			<i>For Third Rail, Add</i>	52.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
			<i>For Color, Add</i>	34.81	
32 31	19 00-0063	EA	5' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	834.63	22.91
			<i>For Solid Pickets, Add</i>	182.63	
			<i>For Aluminum With Satin Finish, Add</i>	219.43	
			<i>For Third Rail, Add</i>	57.44	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.58	
			<i>For Color, Add</i>	38.29	
32 31	19 00-0064	EA	6' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	895.41	27.67
			<i>For Solid Pickets, Add</i>	195.23	
			<i>For Aluminum With Satin Finish, Add</i>	231.20	
			<i>For Third Rail, Add</i>	60.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.22	
			<i>For Color, Add</i>	40.61	
32 31	19 00-0065	EA	7' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,072.22	32.52
			<i>For Solid Pickets, Add</i>	233.93	
			<i>For Aluminum With Satin Finish, Add</i>	277.78	
			<i>For Third Rail, Add</i>	73.10	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	97.47	
			<i>For Color, Add</i>	48.73	
32 31	19 00-0066	EA	8' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,211.14	37.05
			<i>For Solid Pickets, Add</i>	264.17	
			<i>For Aluminum With Satin Finish, Add</i>	313.33	
			<i>For Third Rail, Add</i>	82.50	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.00	
			<i>For Color, Add</i>	55.00	
32 31	19 00-0067	EA	9' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,332.27	41.81
			<i>For Solid Pickets, Add</i>	290.35	
			<i>For Aluminum With Satin Finish, Add</i>	343.20	
			<i>For Third Rail, Add</i>	90.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.68	
			<i>For Color, Add</i>	60.34	
32 31	19 00-0068	EA	10' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,462.66	46.57
			<i>For Solid Pickets, Add</i>	318.61	
			<i>For Aluminum With Satin Finish, Add</i>	375.86	
			<i>For Third Rail, Add</i>	99.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.28	
			<i>For Color, Add</i>	66.14	
32 31	19 00-0069		7' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31	19 00-0070	EA	4' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	774.66	23.22
			<i>For Solid Pickets, Add</i>	169.06	
			<i>For Aluminum With Satin Finish, Add</i>	200.99	
			<i>For Third Rail, Add</i>	52.87	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.49	
			<i>For Color, Add</i>	35.24	
32 31	19 00-0071	EA	5' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	861.14	24.42
			<i>For Solid Pickets, Add</i>	188.26	
			<i>For Aluminum With Satin Finish, Add</i>	225.34	
			<i>For Third Rail, Add</i>	59.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	78.78	
			<i>For Color, Add</i>	39.39	
32 31	19 00-0072	EA	6' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	943.36	29.71
			<i>For Solid Pickets, Add</i>	205.56	
			<i>For Aluminum With Satin Finish, Add</i>	242.86	
			<i>For Third Rail, Add</i>	64.06	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.41	
			<i>For Color, Add</i>	42.71	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0073 EA 7' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,161.64 253.54 301.54 79.30 105.73 52.87	34.78
32 31 19 00-0074 EA 8' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,384.84 302.57 361.35 94.85 126.46 63.23	39.99
32 31 19 00-0075 EA 9' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,420.68 309.50 365.31 96.40 128.54 64.27	45.06
32 31 19 00-0076 EA 10' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,560.96 339.87 400.24 105.73 140.97 70.49	50.35
32 31 19 00-0077 8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0078 EA 4' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	863.41 188.60 225.00 59.09 78.78 39.39	25.18
32 31 19 00-0079 EA 5' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	975.75 213.22 254.79 66.86 89.15 44.57	28.05
32 31 19 00-0080 EA 6' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,007.44 219.53 259.37 68.41 91.22 45.61	31.75
32 31 19 00-0081 EA 7' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,255.15 273.79 324.83 85.52 114.02 57.01	38.26
32 31 19 00-0082 EA 8' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,481.37 323.27 384.19 101.07 134.76 67.38	44.53
32 31 19 00-0083 EA 9' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,542.50 335.55 393.68 104.18 138.90 69.45	51.11
32 31 19 00-0084 EA 10' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim..... <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i>	1,645.06 357.15 415.61 110.39 147.19 73.60	57.69
32 31 19 00-0085 Replace Steel Tube Fence Pickets <small>(32 31 19 00-0032)</small>		
32 31 19 00-0086 LF Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket <i>For 1" Square x 14 Gauge Pickets, Add</i>	19.45 0.43	
32 31 19 00-0087 Remove And Reinstall Ornamental Fences <small>(32 31 19)</small>		
Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0088 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	34.02	
32 31 19 00-0089 LF Removal And Reinstallation Of Ornamental Fence 6' To 12' Height.....	56.70	

32 31 26 Wire Fences And Gates (32 31)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 26 00-0001		Chicken Wire (32 31 26) Note: Posts at 4'.			
32 31 26 00-0002	LF	1" Mesh, 4' High Chicken Wire Posts At 4'.....	5.94		1.33
32 31 26 00-0003	LF	2" Mesh, 6' High Chicken Wire Posts At 4'.....	6.56		1.33
32 31 26 00-0004		Galvanized Steel (32 31 26)			
32 31 26 00-0005		12 Gauge, 2" x 4" Welded Mesh (32 31 26 00-0004) Note: Posts 5' on center.			
32 31 26 00-0006	LF	3' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.13		1.33
32 31 26 00-0007	LF	5' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.58		1.33
32 31 26 00-0008		14 Gauge, 1" x 2" Welded Mesh (32 31 26 00-0004) Note: Posts 5' on center.			
32 31 26 00-0009	LF	3' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.04		1.33
32 31 26 00-0010	LF	5' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.44		1.33
32 31 26 00-0011		Wire And Screen (32 31 26)			
32 31 26 00-0012		Wire And Screen For Partitions And Fences (32 31 26 00-0011) Note: Excludes framing and post.			
32 31 26 00-0013		Screen Wire (32 31 26 00-0012)			
32 31 26 00-0014	SF	Screen Wire, 48" Wide Rolls.....	2.11		0.76
32 31 26 00-0015		Hog Wire (32 31 26 00-0012)			
32 31 26 00-0016	SF	4" x 4" Hog Wire For Fencing.....	1.52		0.61
32 31 26 00-0017	SF	6" x 6" Hog Wire For Fencing.....	1.59		0.69
32 31 26 00-0018		Screen For Partitions And Ceilings (32 31 26 00-0011) Note: Can be used to support insulation on walls and ceilings.			
32 31 26 00-0019	SF	1" Mesh Chicken Wire.....	1.34		
32 31 26 00-0020		Wicket Fence (32 31 26)			
32 31 26 00-0021	LF	Steel Wicket Fence, Painted.....	42.56		3.92
32 31 29		Wood Fences And Gates (32 31)			
32 31 29 00-0001		Basket Weave (32 31 29) Note: 3/8" x 4" boards, 4" x 4" post			
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	25.66		2.46
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.54		
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	17.84		2.46
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.17		
32 31 29 00-0004		Board Fence (32 31 29) Note: 1x4" board, 2x4" rail, 4x4" post.			
32 31 29 00-0005	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	15.45		2.46
		<i>For 1" x 6" Boards, Deduct</i>	-1.87		
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.40		
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.06		
32 31 29 00-0006	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	16.99		2.46
		<i>For 1" x 6" Boards, Deduct</i>	-2.02		
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.59		
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.16		
32 31 29 00-0007	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	18.50		2.46
		<i>For 1" x 6" Boards, Deduct</i>	-2.13		
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.71		
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.24		
32 31 29 00-0008	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	19.60		2.46
		<i>For 1" x 6" Boards, Deduct</i>	-2.24		
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.83		
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.31		
32 31 29 00-0009	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	20.75		2.46
		<i>For 1" x 6" Boards, Deduct</i>	-2.34		
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.95		
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.38		
32 31 29 00-0010	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar.....	16.14		2.46
		<i>For 1" x 6" Boards, Deduct</i>	-1.90		
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.42		
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.09		
32 31 29 00-0011	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar.....	17.52		2.46
		<i>For 1" x 6" Boards, Deduct</i>	-2.05		
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.60		
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.18		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0012 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar.....	18.50	2.46
For 1" x 6" Boards, Deduct	-2.13	
For 1" x 3" Boards (Stockade Top), Add	2.71	
For Screwing Of Boards Instead Of Nails, Add	1.24	
32 31 29 00-0013 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar.....	19.60	2.46
For 1" x 6" Boards, Deduct	-2.24	
For 1" x 3" Boards (Stockade Top), Add	2.83	
For Screwing Of Boards Instead Of Nails, Add	1.31	
32 31 29 00-0014 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar.....	20.75	2.46
For 1" x 6" Boards, Deduct	-2.34	
For 1" x 3" Boards (Stockade Top), Add	2.95	
For Screwing Of Boards Instead Of Nails, Add	1.38	
32 31 29 00-0015 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar.....	16.14	2.46
For 1" x 6" Boards, Deduct	-1.90	
For 1" x 3" Boards (Stockade Top), Add	2.42	
For Screwing Of Boards Instead Of Nails, Add	1.09	
32 31 29 00-0016 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar.....	19.87	2.46
For 1" x 6" Boards, Deduct	-2.14	
For 1" x 3" Boards (Stockade Top), Add	2.67	
For Screwing Of Boards Instead Of Nails, Add	1.30	
32 31 29 00-0017 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar.....	20.75	2.46
For 1" x 6" Boards, Deduct	-2.22	
For 1" x 3" Boards (Stockade Top), Add	2.78	
For Screwing Of Boards Instead Of Nails, Add	1.35	
32 31 29 00-0018 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar.....	22.12	2.46
For 1" x 6" Boards, Deduct	-2.34	
For 1" x 3" Boards (Stockade Top), Add	2.91	
For Screwing Of Boards Instead Of Nails, Add	1.44	
32 31 29 00-0019 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar.....	23.56	2.46
For 1" x 6" Boards, Deduct	-2.45	
For 1" x 3" Boards (Stockade Top), Add	3.04	
For Screwing Of Boards Instead Of Nails, Add	1.52	
32 31 29 00-0020 Shadow Box^(32 31 29)		
Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine.....	16.62	2.46
For Screwing Of Boards Instead Of Nails, Add	1.09	
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar.....	20.29	2.46
For Screwing Of Boards Instead Of Nails, Add	1.32	
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar.....	21.60	2.46
For Screwing Of Boards Instead Of Nails, Add	1.40	
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar.....	23.18	2.46
For Screwing Of Boards Instead Of Nails, Add	1.50	
32 31 29 00-0025 Open Rail Fence^(32 31 29)		
32 31 29 00-0026 Post And Rail Fence, Ranch Style^(32 31 29 00-0025)		
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	13.54	2.46
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	12.02	2.46
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	15.27	2.46
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	12.90	2.46
32 31 29 00-0031 Split Rail Fence^(32 31 29 00-0025)		
32 31 29 00-0032 LF Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	13.15	2.46
32 31 29 00-0033 LF Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	12.00	2.46
32 31 29 00-0034 LF Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	14.52	2.46
32 31 29 00-0035 LF Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	13.12	2.46
32 31 29 00-0036 Picket Fence^(32 31 29)		
32 31 29 00-0037 LF Picket Fence, 2 Rail, 3' High, Pressure Treated.....	14.25	2.46
For Screwing Of Boards Instead Of Nails, Add	1.01	
32 31 29 00-0038 LF Picket Fence, 2 Rail, 3' High #1 Cedar.....	13.90	2.46
For Screwing Of Boards Instead Of Nails, Add	0.99	
32 31 29 00-0039 Wood Gate^(32 31 29)		
32 31 29 00-0040 Board Fence Gates, Pressure Treated Wood^(32 31 29 00-0039)		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0041 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	242.89	91.64
32 31 29 00-0042 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	264.63	97.14
32 31 29 00-0043 EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	293.69	106.30
32 31 29 00-0044 EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	324.95	111.80
32 31 29 00-0045 EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	356.23	117.30
32 31 29 00-0046 EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	313.47	120.96
32 31 29 00-0047 EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	336.40	126.46
32 31 29 00-0048 EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	359.32	131.95
32 31 29 00-0049 EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	394.16	137.46

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0050 EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	423.05	142.96
32 31 29 00-0051 Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052 EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	315.30	77.15
32 31 29 00-0053 EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	328.13	81.78
32 31 29 00-0054 EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	348.34	89.50
32 31 29 00-0055 EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	367.14	94.13
32 31 29 00-0056 EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	389.51	98.76
32 31 29 00-0057 EA >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	382.57	101.85
32 31 29 00-0058 EA >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	397.79	106.47
32 31 29 00-0059 EA >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	418.96	111.11
32 31 29 00-0060 EA >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	440.15	115.73
32 31 29 00-0061 EA >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	461.33	120.36
32 31 29 00-0062 Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063 EA 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	333.19	77.15
32 31 29 00-0064 EA 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	348.41	81.78
32 31 29 00-0065 EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	369.80	89.50
32 31 29 00-0066 EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	390.98	94.13
32 31 29 00-0067 EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	412.17	98.76
32 31 29 00-0068 EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	406.41	101.85
32 31 29 00-0069 EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	421.64	106.47
32 31 29 00-0070 EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	442.81	111.11
32 31 29 00-0071 EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	464.00	115.73
32 31 29 00-0072 EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	491.14	120.36
32 31 29 00-0073 Pressure Treated Wood Fence Posts <small>(32 31 29)</small>		
See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock, 32 31 13 00-0616 for barbed wire, 32 31 56 00-0014 for barbed wire.		
32 31 29 00-0074 EA 4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	23.54	9.17
32 31 29 00-0075 EA 6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	25.43	9.17
32 31 29 00-0076 EA 4' High, Pressure Treated Wood Fence Posts, Set In Concrete	42.82	17.59
32 31 29 00-0077 EA 6' High, Pressure Treated Wood Fence Posts, Set In Concrete	44.97	17.59
32 31 56 Wild Life Deterrent Fence <small>(32 31)</small>		
32 31 56 00-0001 Barbed Wire Fences <small>(32 31 56)</small>		
See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock.		
32 31 56 00-0002 Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003 Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004 EA Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	64.27	6.05
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		103.05
32 31 56 00-0005 EA Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	84.60	6.05
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		137.00
32 31 56 00-0006 Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007 EA Barbed Wire Fence Post, Galvanized Grouted In Rock.....	62.95	6.05
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		101.07
32 31 56 00-0008 EA Barbed Wire Fence Post, Vinyl Coated Grouted In Rock.....	83.28	6.05
<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>		135.02
32 31 56 00-0009 Post Driven Into Dirt <small>(32 31 56 00-0002)</small>		
Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010 EA 3' Metal Posts, Driven Into Earth.....	20.25	
32 31 56 00-0011 EA 4' Metal Posts, Driven Into Earth.....	22.43	
32 31 56 00-0012 EA 5' Metal Posts, Driven Into Earth.....	25.36	
32 31 56 00-0013 EA 6' Metal Posts, Driven Into Earth.....	27.55	
32 31 56 00-0014 Barbed Wire <small>(32 31 56 00-0001)</small>		
Note: Per strand.		
32 31 56 00-0015 LF Barbed Wire, Galvanized Per Strand.....	0.65	0.31
32 31 56 00-0016 LF Barbed Wire, Vinyl Coated Per Strand.....	0.69	0.31
32 31 56 00-0017 Barbed Wire Fence, Farm Style, With Wood Posts <small>(32 31 56 00-0001)</small>		
Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0018 LF Barbed Wire, Standard 3 Strand Fence With Posts	7.99	1.52



Exterior Improvements	32	32
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 Retaining Walls (32 30)

32 32 13 Cast-In-Place Concrete Retaining Wall (32 32)

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF 4' High With Base, 10" Thick Reinforced	267.98	98.05
	<i>For >1:3 Sloped Soil At Top, Add</i>	6.12	
32 32 13 00-0002	LF 6' High With Base, 10" Thick Reinforced	334.27	120.65
	<i>For >1:3 Sloped Soil At Top, Add</i>	7.90	
32 32 13 00-0003	LF 8' High With Base, 10" Thick Reinforced	364.10	130.14
	<i>For >1:3 Sloped Soil At Top, Add</i>	8.83	
32 32 13 00-0004	LF 10' High With Base, 13" Thick Reinforced	463.76	160.91
	<i>For >1:3 Sloped Soil At Top, Add</i>	12.07	
32 32 13 00-0005	LF 12' High With Base, 14" Thick Reinforced	534.48	184.83
	<i>For >1:3 Sloped Soil At Top, Add</i>	14.00	
32 32 13 00-0006	LF 16' High With Base, 16" Thick Reinforced	773.24	271.14
	<i>For >1:3 Sloped Soil At Top, Add</i>	19.64	
32 32 13 00-0007	LF 20' High With Base, 18" Thick Reinforced	1,061.53	374.33
	<i>For >1:3 Sloped Soil At Top, Add</i>	26.59	
32 32 13 00-0008	LF 4' High With Base, 12" Thick Reinforced	294.48	107.08
	<i>For >1:3 Sloped Soil At Top, Add</i>	6.83	
32 32 13 00-0009	LF 6' High With Base, 12" Thick Reinforced	360.43	129.02
	<i>For >1:3 Sloped Soil At Top, Add</i>	8.71	
32 32 13 00-0010	LF 8' High With Base, 12" Thick Reinforced	381.63	134.62
	<i>For >1:3 Sloped Soil At Top, Add</i>	9.55	
32 32 13 00-0011	LF 10' High With Base, 16" Thick Reinforced	524.96	180.41
	<i>For >1:3 Sloped Soil At Top, Add</i>	13.95	
32 32 13 00-0012	LF 12' High With Base, 18" Thick Reinforced	665.65	231.74
	<i>For >1:3 Sloped Soil At Top, Add</i>	17.18	
32 32 13 00-0013	LF 16' High With Base, 21" Thick Reinforced	998.18	351.27
	<i>For >1:3 Sloped Soil At Top, Add</i>	25.14	
32 32 13 00-0014	LF 20' High With Base, 24" Thick Reinforced	1,408.72	495.84
	<i>For >1:3 Sloped Soil At Top, Add</i>	35.45	

32 32 16 Precast Concrete Retaining Walls (32 32)

32 32 16 00-0001 Precast Retaining Walls (32 32 16)

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	37.06	9.31
32 32 16 00-0003	SF Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	36.70	7.48
32 32 16 00-0004	SF Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	37.08	6.24
32 32 16 00-0005	SF Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	39.77	6.24
32 32 16 00-0006	SF Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	41.27	5.32

32 32 23 Segmental Retaining Walls (32 32)

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)

32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)

Note: Includes installation, material and manufacture's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0003	SF Up To 4' Height "Amastone" Type Modular Retaining Wall System	42.18	6.25
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.52	
32 32 23 13-0004	SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System	44.50	6.58
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.66	
32 32 23 13-0005	SF 8 To 12' Height "Amastone" Type Modular Retaining Wall System	46.52	7.24
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.72	
32 32 23 13-0006	SF 12 To 16' Height "Amastone" Type Modular Retaining Wall System	48.64	7.90
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.79	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0008	SF Up To 4' Height "Diamond" Type Modular Retaining Wall System	43.73	6.25
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.65	
32 32 23 13-0009	SF 4 To 8' Height "Diamond" Type Modular Retaining Wall System	46.05	6.58
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.79	
32 32 23 13-0010	SF 8 To 12' Height "Diamond" Type Modular Retaining Wall System	48.07	7.24
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.86	
32 32 23 13-0011	SF 12 To 16' Height "Diamond" Type Modular Retaining Wall System	50.19	7.90
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.92	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0013	SF Up To 4' Height "Keystone" Type Modular Retaining Wall System	47.44	6.25
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.97	
32 32 23 13-0014	SF 4 To 8' Height "Keystone" Type Modular Retaining Wall System	49.75	6.58
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.11	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System	51.77	7.24
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.17	
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System	53.90	7.90
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.24	
32 32 23 13-0017			"Criblock" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System	42.18	6.25
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.52	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System	44.50	6.58
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.66	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System	46.52	7.24
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.72	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System	48.64	7.90
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.79	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0022			"Versa-Lok" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	37.48	6.25
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.12	
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	41.34	6.58
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.39	
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	43.39	7.24
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.46	
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	45.23	7.90
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.50	
32 32 23 13-0027			Cap Block Restoration <small>(32 32 23 13-0001)</small>		
			Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Cap Block And Pins	20.68	
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.01	
32 32 26			Metal Crib Retaining Walls <small>(32 32)</small>		
32 32 26 00-0001			Bin Type Retaining Wall <small>(32 32 26)</small>		
32 32 26 00-0002			Vertical Bin Walls <small>(32 32 26 00-0001)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF		5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	42.01	
32 32 26 00-0004	SF		7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	48.76	
32 32 26 00-0005	SF		9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	56.70	
32 32 26 00-0006	SF		12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	60.75	
32 32 26 00-0007	SF		14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	68.17	
32 32 26 00-0008	SF		16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	72.22	
32 32 26 00-0009			Battered Bin Walls <small>(32 32 26 00-0001)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF		5.5' Battered Bin Retain Wall, Wall Heights To 11'	38.59	
32 32 26 00-0011	SF		7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	41.29	
32 32 26 00-0012	SF		9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	46.45	
32 32 26 00-0013	SF		12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	51.17	
32 32 26 00-0014	SF		14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	59.99	
32 32 26 00-0015	SF		16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	61.34	
32 32 26 00-0016			Aluminized Steel Bin <small>(32 32 26)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF		4' High, 5.5' Deep Aluminized Steel Bin	25.92	3.66
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.58	
			<i>For Galvanized Type, Deduct</i>	-1.86	
32 32 26 00-0018	SF		8' High, 5.5' Deep Aluminized Steel Bin	28.83	3.66
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.82	
			<i>For Galvanized Type, Deduct</i>	-2.15	
32 32 26 00-0019	SF		10' High, 7.7' Deep Aluminized Steel Bin	30.79	3.99
			<i>For >1:3 Sloped Soil At Top, Add</i>	1.94	
			<i>For Galvanized Type, Deduct</i>	-2.29	
32 32 26 00-0020	SF		12' High, 7.7' Deep Aluminized Steel Bin	35.07	4.51
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.22	
			<i>For Galvanized Type, Deduct</i>	-2.61	
32 32 26 00-0021	SF		16' High, 7.7' Deep Aluminized Steel Bin	33.93	4.68
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.10	
			<i>For Galvanized Type, Deduct</i>	-2.47	
32 32 26 00-0022	SF		16' High, 9.9' Deep Aluminized Steel Bin	37.59	4.76
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.39	
			<i>For Galvanized Type, Deduct</i>	-2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0023 SF 20' High, 9.9' Deep Aluminized Steel Bin.....	41.60	5.01
<i>For >1:3 Sloped Soil At Top, Add</i>	2.68	
<i>For Galvanized Type, Deduct</i>	-3.15	
32 32 26 00-0024 SF 20' High, 12.1' Deep Aluminized Steel Bin.....	42.62	5.27
<i>For >1:3 Sloped Soil At Top, Add</i>	2.73	
<i>For Galvanized Type, Deduct</i>	-3.22	
32 32 26 00-0025 SF 24' High, 12.1' Deep Aluminized Steel Bin.....	44.72	5.27
<i>For >1:3 Sloped Soil At Top, Add</i>	2.91	
<i>For Galvanized Type, Deduct</i>	-3.42	
32 32 26 00-0026 SF 24' High, 14.3' Deep Aluminized Steel Bin.....	46.81	5.35
<i>For >1:3 Sloped Soil At Top, Add</i>	3.08	
<i>For Galvanized Type, Deduct</i>	-3.62	
32 32 26 00-0027 SF 28' High, 14.3' Deep Aluminized Steel Bin.....	48.33	5.44
<i>For >1:3 Sloped Soil At Top, Add</i>	3.19	
<i>For Galvanized Type, Deduct</i>	-3.75	

32 32 29 Timber Retaining Walls (32 32)

32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)

Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002 LF 4" x 4", 1' High, Redwood.....	50.31	19.70
<i>For >1:3 Sloped Soil At Top, Add</i>	0.93	
32 32 29 00-0003 LF 4" x 4", 2' High, Redwood.....	98.51	38.59
<i>For >1:3 Sloped Soil At Top, Add</i>	1.82	
32 32 29 00-0004 LF 4" x 4", 1' High, Cedar.....	48.91	19.70
<i>For >1:3 Sloped Soil At Top, Add</i>	0.81	
32 32 29 00-0005 LF 4" x 4", 2' High, Cedar.....	95.79	38.59
<i>For >1:3 Sloped Soil At Top, Add</i>	1.59	
32 32 29 00-0006 LF 4" x 4", 1' High, Pressure Treated Lumber.....	44.99	17.22
<i>For >1:3 Sloped Soil At Top, Add</i>	0.89	
32 32 29 00-0007 LF 4" x 4", 2' High, Pressure Treated Lumber.....	88.01	33.67
<i>For >1:3 Sloped Soil At Top, Add</i>	1.75	
32 32 29 00-0008 LF 4" x 4", 1' High, Creosoted Lumber.....	39.84	15.28
<i>For >1:3 Sloped Soil At Top, Add</i>	0.79	
32 32 29 00-0009 LF 4" x 4", 2' High, Creosoted Lumber.....	72.04	27.66
<i>For >1:3 Sloped Soil At Top, Add</i>	1.42	
32 32 29 00-0010 LF 6 x 6, 2' High, Redwood.....	129.27	46.74
<i>For >1:3 Sloped Soil At Top, Add</i>	3.04	
32 32 29 00-0011 LF 6 x 6, 4' High, Redwood.....	254.75	91.61
<i>For >1:3 Sloped Soil At Top, Add</i>	6.09	
32 32 29 00-0012 LF 6 x 6, 2' High, Cedar.....	127.71	46.74
<i>For >1:3 Sloped Soil At Top, Add</i>	2.91	
32 32 29 00-0013 LF 6 x 6, 4' High, Cedar.....	250.86	91.61
<i>For >1:3 Sloped Soil At Top, Add</i>	5.75	
32 32 29 00-0014 LF 6 x 6, 2' High, Pressure Treated Lumber.....	109.41	37.96
<i>For >1:3 Sloped Soil At Top, Add</i>	2.84	
32 32 29 00-0015 LF 6 x 6, 4' High, Pressure Treated Lumber.....	216.87	74.95
<i>For >1:3 Sloped Soil At Top, Add</i>	5.69	
32 32 29 00-0016 LF 6 x 6, 2' High, Creosoted Lumber.....	87.61	30.35
<i>For >1:3 Sloped Soil At Top, Add</i>	2.28	
32 32 29 00-0017 LF 6 x 6, 4' High, Creosoted Lumber.....	172.09	59.39
<i>For >1:3 Sloped Soil At Top, Add</i>	4.53	
32 32 29 00-0018 LF 8 x 8, 4' High, Redwood.....	309.24	101.30
<i>For >1:3 Sloped Soil At Top, Add</i>	9.06	
32 32 29 00-0019 LF 8 x 8, 6' High, Redwood.....	578.15	189.11
<i>For >1:3 Sloped Soil At Top, Add</i>	17.00	
32 32 29 00-0020 LF 8 x 8, 4' High, Cedar.....	301.46	101.30
<i>For >1:3 Sloped Soil At Top, Add</i>	8.40	
32 32 29 00-0021 LF 8 x 8, 6' High, Cedar.....	563.37	189.11
<i>For >1:3 Sloped Soil At Top, Add</i>	15.74	
32 32 29 00-0022 LF 8 x 8, 4' High, Pressure Treated Lumber.....	313.10	116.85
<i>For >1:3 Sloped Soil At Top, Add</i>	6.75	
32 32 29 00-0023 LF 8 x 8, 6' High, Pressure Treated Lumber.....	584.30	218.21
<i>For >1:3 Sloped Soil At Top, Add</i>	12.57	
32 32 29 00-0024 LF 8 x 8, 4' High, Creosoted Lumber.....	253.09	94.44
<i>For >1:3 Sloped Soil At Top, Add</i>	5.46	
32 32 29 00-0025 LF 8 x 8, 6' High, Creosoted Lumber.....	469.41	175.21
<i>For >1:3 Sloped Soil At Top, Add</i>	10.12	
32 32 29 00-0026 LF Random Diameter Poles, Cedar 4' High.....	97.36	38.92
<i>For >1:3 Sloped Soil At Top, Add</i>	1.65	
32 32 29 00-0027 LF Random Diameter Poles, Cedar 6' High.....	145.66	58.42
<i>For >1:3 Sloped Soil At Top, Add</i>	2.45	
32 32 29 00-0028 LF Random Diameter Poles, Cedar 8' High.....	193.89	77.85
<i>For >1:3 Sloped Soil At Top, Add</i>	3.24	
32 32 29 00-0029 LF Random Diameter Poles, 4' High Creosoted Lumber.....	63.09	21.99
<i>For >1:3 Sloped Soil At Top, Add</i>	1.62	
32 32 29 00-0030 LF Random Diameter Poles, 6' High Creosoted Lumber.....	91.51	31.73
<i>For >1:3 Sloped Soil At Top, Add</i>	2.38	
32 32 29 00-0031 LF Random Diameter Poles, 8' High.....	123.81	42.87
<i>For >1:3 Sloped Soil At Top, Add</i>	3.24	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 32 29 00-0032	Post And Board Retaining Walls <small>(32 32 29)</small>		
	Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0033	LF 4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking	37.49	11.69
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.20	
32 32 29 00-0034	LF 4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood	59.00	19.98
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.62	
32 32 29 00-0035	LF 6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood	76.51	24.83
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.28	
32 32 29 00-0036	LF 6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood	107.28	35.19
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.14	
32 32 29 00-0037	LF 6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood	140.17	45.78
	<i>For >1:3 Sloped Soil At Top, Add</i>	4.13	
32 32 29 00-0038	LF 8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood	285.42	90.58
	<i>For >1:3 Sloped Soil At Top, Add</i>	8.86	
32 32 29 00-0039	LF 8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood	321.22	100.32
	<i>For >1:3 Sloped Soil At Top, Add</i>	10.25	
32 32 29 00-0040	LF 4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar	38.27	12.17
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.18	
32 32 29 00-0041	LF 4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar	67.36	21.64
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.05	
32 32 29 00-0042	LF 6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar	66.19	21.22
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.02	
32 32 29 00-0043	LF 6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar	93.26	30.50
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.74	
32 32 29 00-0044	LF 6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar	146.03	48.68
	<i>For >1:3 Sloped Soil At Top, Add</i>	4.13	
32 32 29 00-0045	LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	114.87	37.40
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.41	
32 32 29 00-0046	LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	295.11	93.48
	<i>For >1:3 Sloped Soil At Top, Add</i>	9.19	
32 32 29 00-0047	LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	52.97	22.47
	<i>For >1:3 Sloped Soil At Top, Add</i>	0.68	
32 32 29 00-0048	LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	76.23	31.94
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.05	
32 32 29 00-0049	LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	109.03	43.84
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.82	
32 32 29 00-0050	LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	189.63	73.99
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.54	
32 32 29 00-0051	LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	191.58	73.99
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.70	
32 32 29 00-0052	LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	181.10	71.07
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.31	
32 32 29 00-0053	LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	423.49	163.53
	<i>For >1:3 Sloped Soil At Top, Add</i>	8.20	
32 32 29 00-0054	LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	52.97	22.47
	<i>For >1:3 Sloped Soil At Top, Add</i>	0.68	
32 32 29 00-0055	LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	76.23	31.94
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.05	
32 32 29 00-0056	LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	109.03	43.84
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.82	
32 32 29 00-0057	LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	136.68	54.56
	<i>For >1:3 Sloped Soil At Top, Add</i>	2.35	
32 32 29 00-0058	LF 6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking	189.63	73.99
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.54	
32 32 29 00-0059	LF 6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking	181.10	71.07
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.31	
32 32 29 00-0060	LF 8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking	423.49	163.53
	<i>For >1:3 Sloped Soil At Top, Add</i>	8.20	
32 32 29 00-0061	Wood Tie Retaining Walls, Rod Connector At 4' <small>(32 32 29)</small>		
	Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062	Redwood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063	LF 2' High, 6" x 6" Wood Tie Wall	66.59	23.93
	<i>For >1:3 Sloped Soil At Top, Add</i>	1.59	
32 32 29 00-0064	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	151.85	54.56
	<i>For >1:3 Sloped Soil At Top, Add</i>	3.64	
32 32 29 00-0065	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	227.44	81.79
	<i>For >1:3 Sloped Soil At Top, Add</i>	5.42	
32 32 29 00-0066	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	214.14	70.11
	<i>For >1:3 Sloped Soil At Top, Add</i>	6.28	
32 32 29 00-0067	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	321.66	105.16
	<i>For >1:3 Sloped Soil At Top, Add</i>	9.46	
32 32 29 00-0068	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	424.39	138.28
	<i>For >1:3 Sloped Soil At Top, Add</i>	12.57	
32 32 29 00-0069	Cedar <small>(32 32 29 00-0061)</small>		



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32
			32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0070	LF		2' High, 6" x 6" Wood Tie Wall..... <i>For >1:3 Sloped Soil At Top, Add</i>	65.81 1.52	23.93
32 32 29 00-0071	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	149.52 3.44	54.56
32 32 29 00-0072	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	224.33 5.16	81.79
32 32 29 00-0073	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	208.69 5.82	70.11
32 32 29 00-0074	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	313.88 8.80	105.16
32 32 29 00-0075	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	413.49 11.64	138.28
32 32 29 00-0076 Creosoted Wood (32 32 29 00-0061)					
32 32 29 00-0077	LF		2' High, 6" x 8" Wood Tie Wall..... <i>For >1:3 Sloped Soil At Top, Add</i>	76.77 1.13	31.73
32 32 29 00-0078	LF		4' High, 6" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	176.04 2.55	73.01
32 32 29 00-0079	LF		6' High, 6" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	260.91 3.80	108.07
32 32 29 00-0080	LF		4' High, 7" x 9" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	353.96 5.09	147.00
32 32 29 00-0081	LF		6' High, 7" x 9" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	515.42 7.41	214.13
32 32 29 00-0082	LF		8' High, 7" x 9" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	683.78 9.86	283.90
32 32 29 00-0083 Pressure Treated Wood (32 32 29 00-0061)					
32 32 29 00-0084	LF		2' High, 6" x 6" Wood Tie Wall..... <i>For >1:3 Sloped Soil At Top, Add</i>	57.09 1.49	19.78
32 32 29 00-0085	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	129.66 3.41	44.80
32 32 29 00-0086	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	194.29 5.09	67.21
32 32 29 00-0087	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	216.45 4.66	80.83
32 32 29 00-0088	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	324.79 7.08	120.79
32 32 29 00-0089	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >1:3 Sloped Soil At Top, Add</i>	430.92 9.33	160.61
32 32 53 Stone Retaining Walls (32 32)					
32 32 53 00-0001 Stone Retaining Walls (32 32 53)					
Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.					
32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$16.00/ton.					
32 32 53 00-0003	LF		\$16.00/ton 3' High Stone Retaining Wall, Dry Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	320.92 2.09	148.16
32 32 53 00-0004	LF		\$16.00/ton 4' High Stone Retaining Wall, Dry Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	379.40 2.28	176.27
32 32 53 00-0005	LF		\$16.00/ton 6' High Stone Retaining Wall, Dry Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	499.74 2.67	234.19
32 32 53 00-0006	LF		\$16.00/ton 8' High Stone Retaining Wall, Dry Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	772.89 3.44	366.17
32 32 53 00-0007	LF		\$16.00/ton 10' High Stone Retaining Wall, Dry Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	1,005.94 4.07	478.99
32 32 53 00-0008	LF		\$16.00/ton 12' High Stone Retaining Wall, Dry Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	1,249.48 4.80	596.47
32 32 53 00-0009	LF		\$16.00/ton 3' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	286.90 2.09	131.18
32 32 53 00-0010	LF		\$16.00/ton 4' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	337.27 2.28	155.21
32 32 53 00-0011	LF		\$16.00/ton 6' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	437.56 2.67	203.06
32 32 53 00-0012	LF		\$16.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	672.80 3.44	316.15
32 32 53 00-0013	LF		\$16.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	865.54 4.07	408.82
32 32 53 00-0014	LF		\$16.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	1,076.30 4.80	509.92
32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$32.00/ton.					
32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set..... <i>For >1:3 Sloped Soil At Top, Add</i>	328.33 2.72	148.16

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set.....	389.67	176.27
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.15	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set.....	514.58	234.19
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.93	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set.....	794.57	366.17
			<i>For >1:3 Sloped Soil At Top, Add</i>	5.29	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,035.61	478.99
			<i>For >1:3 Sloped Soil At Top, Add</i>	6.60	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,287.14	596.47
			<i>For >1:3 Sloped Soil At Top, Add</i>	8.00	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	294.31	131.18
			<i>For >1:3 Sloped Soil At Top, Add</i>	2.72	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	347.54	155.21
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.15	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	452.40	203.06
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.93	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	694.48	316.15
			<i>For >1:3 Sloped Soil At Top, Add</i>	5.29	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	895.21	408.82
			<i>For >1:3 Sloped Soil At Top, Add</i>	6.60	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,113.96	509.92
			<i>For >1:3 Sloped Soil At Top, Add</i>	8.00	
32 32 53 00-0028			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$48.00/ton.		
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	336.32	148.16
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.39	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	399.82	176.27
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.02	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	528.84	234.19
			<i>For >1:3 Sloped Soil At Top, Add</i>	5.14	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	816.26	366.17
			<i>For >1:3 Sloped Soil At Top, Add</i>	7.13	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,065.28	478.99
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.12	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,325.37	596.47
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.25	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	302.30	131.18
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.39	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	357.81	155.21
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.03	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	466.66	203.06
			<i>For >1:3 Sloped Soil At Top, Add</i>	5.14	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	716.17	316.15
			<i>For >1:3 Sloped Soil At Top, Add</i>	7.13	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	924.88	408.82
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.12	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,152.19	509.92
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.25	
32 32 53 00-0041			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$64.00/ton.		
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	344.31	148.16
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.07	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	398.80	176.27
			<i>For >1:3 Sloped Soil At Top, Add</i>	3.93	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	544.25	234.19
			<i>For >1:3 Sloped Soil At Top, Add</i>	6.45	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	839.08	366.17
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.07	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,096.09	478.99
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.74	
32 32 53 00-0047	LF		\$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,364.17	596.47
			<i>For >1:3 Sloped Soil At Top, Add</i>	14.55	
32 32 53 00-0048	LF		\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	310.29	131.18
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.07	
32 32 53 00-0049	LF		\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	368.08	155.21
			<i>For >1:3 Sloped Soil At Top, Add</i>	4.90	
32 32 53 00-0050	LF		\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	482.07	203.06
			<i>For >1:3 Sloped Soil At Top, Add</i>	6.45	
32 32 53 00-0051	LF		\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	738.99	316.15
			<i>For >1:3 Sloped Soil At Top, Add</i>	9.07	
32 32 53 00-0052	LF		\$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	955.69	408.82
			<i>For >1:3 Sloped Soil At Top, Add</i>	11.74	
32 32 53 00-0053	LF		\$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,190.99	509.92
			<i>For >1:3 Sloped Soil At Top, Add</i>	14.55	

32 33 Site Furnishings (32 30)**32 33 13 Site Bicycle Racks (32 33)**



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0001	Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002	Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003	Double Sided (32 33 13 00-0002)		
32 33 13 00-0004	EA 5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	476.41	93.55
32 33 13 00-0005	EA 10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	722.23	153.68
32 33 13 00-0006	EA 20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,235.60	233.87
32 33 13 00-0007	Single Sided (32 33 13 00-0002)		
32 33 13 00-0008	EA 5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	417.47	83.52
32 33 13 00-0009	EA 10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	595.36	138.98
32 33 13 00-0010	EA 20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,013.67	208.81
32 33 13 00-0011	Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012	PR Anchor Set For Vertical Style Bike Rack..... Note: Anchoring frame to ground.	81.27	
32 33 13 00-0013	Bike Racks Ground Loop (32 33 13 00-0001) Note: In-ground mount.		
32 33 13 00-0014	EA 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	651.84	163.90
32 33 13 00-0015	Serpentine Bike Racks (32 33 13 00-0001) Note: 36" Overall height, In-ground mount.		
32 33 13 00-0016	Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017	EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	364.94	100.22
32 33 13 00-0018	EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	487.27	108.58
32 33 13 00-0019	EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	609.61	116.93
32 33 13 00-0020	EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	747.02	125.28
32 33 13 00-0021	EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	884.44	133.64
32 33 13 00-0022	EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	961.51	141.99
32 33 13 00-0023	Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024	EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	409.18	100.22
32 33 13 00-0025	EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	519.16	108.58
32 33 13 00-0026	EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	629.15	116.93
32 33 13 00-0027	EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	727.48	125.28
32 33 13 00-0028	EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	837.46	133.64
32 33 13 00-0029	EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	970.77	141.99
32 33 13 00-0030	Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0031	EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	364.94	100.22
32 33 13 00-0032	EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	487.27	108.58
32 33 13 00-0033	EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated.....	609.61	116.93
32 33 13 00-0034	EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated.....	747.02	125.28
32 33 13 00-0035	EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated.....	884.44	133.64
32 33 13 00-0036	EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	961.51	141.99
32 33 13 00-0037	Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0038	EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	420.84	100.22
32 33 13 00-0039	EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	542.48	108.58
32 33 13 00-0040	EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	652.47	116.93
32 33 13 00-0041	EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	785.78	125.28
32 33 13 00-0042	EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	895.76	133.64
32 33 13 00-0043	EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated.....	1,040.73	141.99
32 33 13 00-0044	Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0045	EA 1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	662.19	100.22
32 33 13 00-0046	EA 3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	975.41	108.58
32 33 13 00-0047	EA 5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,288.65	116.93
32 33 13 00-0048	EA 7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,644.24	125.28
32 33 13 00-0049	EA 9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	1,999.81	133.64
32 33 13 00-0050	EA 11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	2,185.97	141.99
32 33 13 00-0051	Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0052	EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	525.78	100.22
32 33 13 00-0053	EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	1,125.50	108.58
32 33 13 00-0054	EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,468.70	116.93
32 33 13 00-0055	EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,788.56	125.28
32 33 13 00-0056	EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	2,120.09	133.64

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0057 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,463.29	141.99
32 33 13 00-0058 Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001) Note: 43" Overall height, In-ground mount.		
32 33 13 00-0059 EA Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard	354.73	75.17
32 33 23 Site Trash and Litter Receptacles (32 33)		
32 33 23 00-0001 Steel Trash Containment (32 33 23)		
32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood (32 33 23 00-0001)		
32 33 23 00-0003 EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	374.98	39.89
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	358.14	39.89
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	358.14	39.89
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	339.19	39.89
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	374.98	39.89
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	339.19	39.89
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	463.40	39.89
32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel (32 33 23 00-0001)		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	675.28	39.89
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	728.78	39.89
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	728.78	39.89
32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames (32 33 23 00-0001) Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	996.30	39.89
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,072.73	39.89
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,235.15	39.89
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,120.50	39.89
32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated (32 33 23 00-0001)		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	891.20	39.89
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe.....	967.64	39.89
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe.....	1,130.06	39.89
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	1,024.96	39.89
32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire (32 33 23 00-0001)		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	709.67	39.89
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	786.11	39.89
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	948.53	39.89
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	843.43	39.89
32 33 23 00-0029 Litter Baskets (32 33 23)		
32 33 23 00-0030 Round Wire Litter Baskets (32 33 23 00-0029)		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket	124.72	4.05
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket	157.42	4.05
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket	212.89	4.05
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket	244.20	4.05
32 33 23 00-0035 Trash Can/Wire Basket Holder (32 33 23 00-0029)		
32 33 23 00-0036 EA Steel Post, Single Holder	179.79	32.58
32 33 23 00-0037 EA Steel Post, Double Holder.....	242.36	32.58
32 33 23 00-0038 EA Redwood Post, Single Holder	116.74	32.58
32 33 23 00-0039 EA Redwood Post, Double Holder.....	137.65	32.58
32 33 23 00-0040 Litter Receptacles, Freestanding (32 33 23 00-0029) Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,001.71	16.62
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0042 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,054.35	16.62
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0043 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,228.87	24.93
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	



Exterior Improvements	32	32
Site Improvements	32 30	
Site Furnishings	32 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,281.50	24.93
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	1,334.14	24.93
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	1,386.77	24.93
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0047 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount.....	1,106.43	21.61
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0048 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount.....	1,159.07	21.61
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0049 Ash Receptacles (32 33 23)		
32 33 23 00-0050 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	442.34	16.62
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Sand Pan, Add	110.00	
For Bowl And Funnel, Add	120.00	
32 33 23 00-0051 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	188.72	16.62
32 33 23 00-0052 Trash Receptacles (32 33 23)		
32 33 23 00-0053 EA Outdoor Covered Steel Receptacle With Liner	822.76	16.62
32 33 23 00-0054 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	404.58	16.62
32 33 23 00-0055 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish	477.15	16.62
32 33 23 00-0056 EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish	497.89	18.28
32 33 23 00-0057 EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish	536.03	19.94
32 33 23 00-0058 EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	153.54	13.29
32 33 23 00-0059 EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	179.99	13.29
32 33 23 00-0060 EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	238.24	16.62
32 33 23 00-0061 Trash Containers (Dumpsters) (32 33 23)		
32 33 23 00-0062 EA 1 CY Straight Side Trash Dumpster	145.74	
32 33 23 00-0063 EA 1.5 CY Straight Side Trash Dumpster.....	218.60	
32 33 23 00-0064 EA 2 CY Straight Side Trash Dumpster.....	291.47	
32 33 23 00-0065 EA 2 CY Sloped Side Trash Dumpster.....	291.47	
32 33 23 00-0066 EA 3 CY Sloped Side Trash Dumpster.....	437.21	
32 33 23 00-0067 EA 4 CY Sloped Side Trash Dumpster.....	582.94	
32 33 23 00-0068 EA 6 CY Sloped Side Trash Dumpster.....	874.41	
32 33 23 00-0069 EA 8 CY Sloped Side Trash Dumpster.....	1,165.88	
32 33 33 Site Manufactured Planters (32 33)		
32 33 33 00-0001 Precast Concrete Planters (32 33 33)		
32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0003 EA 24" Diameter, 17" Height, Circular Precast Concrete Planter	405.98	19.19
32 33 33 00-0004 EA 24" Diameter, 24" Height, Circular Precast Concrete Planter	455.47	23.03
32 33 33 00-0005 EA 24" Diameter, 33" Height, Circular Precast Concrete Planter	497.27	23.03
32 33 33 00-0006 EA 30" Diameter, 17" Height, Circular Precast Concrete Planter	540.59	26.86
32 33 33 00-0007 EA 30" Diameter, 30" Height, Circular Precast Concrete Planter	655.53	34.53
32 33 33 00-0008 EA 36" Diameter, 24" Height, Circular Precast Concrete Planter	712.09	34.53
32 33 33 00-0009 EA 36" Diameter, 30" Height, Circular Precast Concrete Planter	802.14	38.37
32 33 33 00-0010 EA 48" Diameter, 17" Height, Circular Precast Concrete Planter	846.40	38.37
32 33 33 00-0011 EA 48" Diameter, 24" Height, Circular Precast Concrete Planter	945.51	47.96
32 33 33 00-0012 EA 48" Diameter, 30" Height, Circular Precast Concrete Planter	1,005.74	51.04
32 33 33 00-0013 EA 48" Diameter, 36" Height, Circular Precast Concrete Planter	1,047.99	53.72
32 33 33 00-0014 EA 60" Diameter, 17" Height, Circular Precast Concrete Planter	951.23	47.96
32 33 33 00-0015 EA 60" Diameter, 24" Height, Circular Precast Concrete Planter	1,046.76	53.72
32 33 33 00-0016 EA 60" Diameter, 36" Height, Circular Precast Concrete Planter	1,335.99	57.56
32 33 33 00-0017 EA 72" Diameter, 36" Height, Circular Precast Concrete Planter	1,733.07	72.91
32 33 33 00-0018 EA 84" Diameter, 36" Height, Circular Precast Concrete Planter	2,010.00	76.75
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0020 EA 36" Square, 30" Height, Square Precast Concrete Planter.....	823.56	49.89

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0021 EA 42" Square, 30" Height, Square Precast Concrete Planter	941.35	53.72
32 33 33 00-0022 EA 60" Square, 36" Height, Square Precast Concrete Planter	1,476.45	61.39
32 33 33 00-0023 EA 72" Square, 36" Height, Square Precast Concrete Planter	1,575.10	65.23
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0025 EA 33" x 18", 20" Height, Rectangular Precast Concrete Planter	473.91	23.03
32 33 33 00-0026 EA 48" x 18", 20" Height, Rectangular Precast Concrete Planter	559.63	34.53
32 33 33 00-0027 EA 60" x 18", 20" Height, Rectangular Precast Concrete Planter	648.46	38.37
32 33 33 00-0028 EA 72" x 18", 20" Height, Rectangular Precast Concrete Planter	740.19	47.96
32 33 33 00-0029 Fiberglass Planters (32 33 33)		
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031 EA 36" Diameter, 27" High, Circular Fiberglass Planter	675.63	19.19
32 33 33 00-0032 EA 60" Diameter, 39" High, Circular Fiberglass Planter	1,567.80	19.19
32 33 33 00-0033 EA 36" Diameter, 24" High, Circular Fiberglass Planter	623.61	19.19
32 33 33 00-0034 EA 60" Diameter, 24" High, Circular Fiberglass Planter	1,169.84	19.19
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036 EA 24" Diameter, 36" High, Tapered Circular Fiberglass Planter	587.72	19.19
32 33 33 00-0037 EA 40" Diameter, 36" High, Tapered Circular Fiberglass Planter	779.68	19.19
32 33 33 00-0038 Square Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0039 EA 24" Square, 17" High, Square Fiberglass Planter	384.31	19.19
32 33 33 00-0040 EA 48" Square, 39" High, Square Fiberglass Planter	1,520.98	19.19
32 33 33 00-0041 EA 24" Square, 36" High, Square Fiberglass Planter	506.56	19.19
32 33 33 00-0042 EA 48" Square, 36" High, Square Fiberglass Planter	1,437.75	19.19
32 33 33 00-0043 Rectangular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0044 EA 48" x 12", 18" High, Rectangular Fiberglass Planter	488.36	19.19
32 33 33 00-0045 EA 48" x 24", 21" High, Rectangular Fiberglass Planter	701.64	19.19
32 33 33 00-0046 Square Fiberglass Planter And Bench Combo (32 33 33 00-0029)		
32 33 33 00-0047 EA 72" Square, 36" High, Square Fiberglass Planter And Bench Combo	3,387.24	119.68
32 33 33 00-0048 EA 96" Square, 27" High, Square Fiberglass Planter And Bench Combo	4,557.72	119.68
32 33 33 00-0049 Timber Planters (32 33 33)		
32 33 33 00-0050 Square Timber Planters (32 33 33 00-0049)		
32 33 33 00-0051 EA 14" Square, 30" High, Square Timber Planter	472.37	39.89
32 33 33 00-0052 EA 21" Square, 30" High, Square Timber Planter	472.37	39.89
32 33 33 00-0053 EA 27" Square, 30" High, Square Timber Planter	911.79	39.89
32 33 33 00-0054 EA 34" Square, 30" High, Square Timber Planter	788.01	39.89
32 33 33 00-0055 EA 41" Square, 36" High, Square Timber Planter	942.73	39.89
32 33 33 00-0056 EA 54" Square, 36" High, Square Timber Planter	2,452.85	39.89
32 33 33 00-0057 EA 81" Square, 36" High, Square Timber Planter	3,696.84	39.89
32 33 33 00-0058 Rectangular Timber Planters (32 33 33 00-0049)		
32 33 33 00-0059 EA 21" x 14", 30" High, Rectangular Timber Planter	466.18	39.89
32 33 33 00-0060 EA 27" x 14", 30" High, Rectangular Timber Planter	521.88	39.89
32 33 33 00-0061 EA 27" x 21", 30" High, Rectangular Timber Planter	688.98	39.89
32 33 33 00-0062 EA 34" x 21", 30" High, Rectangular Timber Planter	763.25	39.89
32 33 33 00-0063 EA 41" x 21", 30" High, Rectangular Timber Planter	986.05	39.89
32 33 33 00-0064 EA 34" x 27", 30" High, Rectangular Timber Planter	1,146.97	39.89
32 33 33 00-0065 EA 54" x 27", 30" High, Rectangular Timber Planter	1,673.03	39.89
32 33 33 00-0066 EA 54" x 34", 30" High, Rectangular Timber Planter	1,889.65	39.89
32 33 33 00-0067 EA 68" x 34", 36" High, Rectangular Timber Planter	2,155.78	39.89
32 33 33 00-0068 EA 54" x 41", 36" High, Rectangular Timber Planter	2,050.56	39.89
32 33 33 00-0069 EA 68" x 41", 36" High, Rectangular Timber Planter	2,322.88	39.89
32 33 33 00-0070 EA 81" x 41", 36" High, Rectangular Timber Planter	2,601.38	39.89
32 33 33 00-0071 EA 41" x 27", 36" High, Rectangular Timber Planter	1,283.13	39.89
32 33 43 Site Seating And Tables (32 33)		
32 33 43 53 Site Tables (32 33 43)		
32 33 43 53-0001 Picnic Tables (32 33 43 53)		
32 33 43 53-0002 Wooden Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0003 EA 6' Permanent Rectangular Redwood Table	849.81	49.86



Exterior Improvements		32
Site Improvements		32 30
Site Furnishings		32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0004 Portable Picnic Tables <small>(32 33 43 53-0001)</small>		
32 33 43 53-0005 EA 6' Wood Table With Aluminum Frame	409.95	33.25
32 33 43 53-0006 EA 6' Aluminum Table And Frame	575.93	33.25
32 33 43 53-0007 EA 8' Aluminum Table And Frame	689.59	41.56
32 33 43 53-0008 EA 6' Steel Table And Frame	867.67	33.25
32 33 43 53-0009 EA 8' Steel Table And Frame	993.82	41.56
32 33 43 53-0010 Concrete Picnic Tables <small>(32 33 43 53-0001)</small>		
32 33 43 53-0011 EA 6' Concrete Picnic Table	1,728.89	150.53
32 33 43 53-0012 Plastic Picnic Tables <small>(32 33 43 53-0001)</small>		
Note: Manufactured from recycled plastic.		
32 33 43 53-0013 Pedestal Tables - 4' Square, 2 Seats <small>(32 33 43 53-0012)</small>		
32 33 43 53-0014 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	461.55	49.86
32 33 43 53-0015 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	499.99	49.86
32 33 43 53-0016 Pedestal Tables - 4' Square, 4 Seats <small>(32 33 43 53-0012)</small>		
32 33 43 53-0017 EA 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	586.19	49.86
32 33 43 53-0018 EA 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	637.80	49.86
32 33 43 53-0019 Recycled Plastic Tables <small>(32 33 43 53-0012)</small>		
32 33 43 53-0020 EA 6' Standard "Step-Over" Table, Recycled Plastic Lumber	749.08	49.86
32 33 43 53-0021 EA 6' " Walk-Through" Table, Recycled Plastic Lumber	633.98	49.86
32 33 43 53-0022 EA 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	686.87	49.86
32 33 43 53-0023 EA 8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	646.25	49.86
32 33 43 53-0024 EA 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	797.64	49.86
32 33 43 53-0025 EA 4' Youth Table, Recycled Plastic Lumber	341.62	39.89
32 33 53 Site Grills <small>(32 33)</small>		
32 33 53 00-0001 Picnic Grills <small>(32 33 53)</small>		
32 33 53 00-0002 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	291.23	
Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	311.51	
Note: 7 gauge with galvanized steel post.		
32 33 63 Skate Board Deterrent <small>(32 33)</small>		
32 33 63 00-0001 Skate Stoppers <small>(32 33 63)</small>		
32 33 63 00-0002 EA Aluminum Architectural Series Pieces, Skate Stopper	36.32	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
<i>For >60 To 100, Deduct</i>		-3.59
<i>For >100 To 250, Deduct</i>		-4.60
<i>For >250, Deduct</i>		-5.60
32 33 63 00-0003 EA Aluminum Fixed Angle Series Pieces, Skate Stopper	30.38	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
<i>For >60 To 100, Deduct</i>		-2.76
<i>For >100 To 250, Deduct</i>		-3.59
<i>For >250, Deduct</i>		-4.41
32 33 63 00-0004 EA Aluminum Fixed Radius Series Pieces, Skate Stopper	30.38	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
<i>For >60 To 100, Deduct</i>		-2.76
<i>For >100 To 250, Deduct</i>		-3.59
<i>For >250, Deduct</i>		-4.41
32 33 63 00-0005 EA Aluminum Bench Clips, Skate Stopper	20.59	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
<i>For >60 To 100, Deduct</i>		-1.69
<i>For >100 To 250, Deduct</i>		-2.24
<i>For >250, Deduct</i>		-2.79
32 33 63 00-0006 EA Aluminum Curve Clips, Skate Stopper	23.65	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
<i>For >60 To 100, Deduct</i>		-2.11
<i>For >100 To 250, Deduct</i>		-2.76
<i>For >250, Deduct</i>		-3.40
32 33 63 00-0007 EA Aluminum Hand Rail, Skate Stopper	21.44	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
<i>For >60 To 100, Deduct</i>		-1.81
<i>For >100 To 250, Deduct</i>		-2.38
<i>For >250, Deduct</i>		-2.96
32 33 63 00-0008 EA Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper	20.31	
Note: Includes drilling and anchoring into suitable surface material.		
<i>For >60 To 100, Deduct</i>		-1.65
<i>For >100 To 250, Deduct</i>		-2.19
<i>For >250, Deduct</i>		-2.73

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0009 EA Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper .....30.66 Note: Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-2.80	
For >100 To 250, Deduct	-3.63	
For >250, Deduct	-4.47	
32 33 63 00-0010 EA Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper.....51.72 Note: Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-5.75	
For >100 To 250, Deduct	-7.21	
For >250, Deduct	-8.68	

32 39 Manufactured Site Specialties (32 30)**32 39 13 Manufactured Metal Bollards (32 39)****32 39 13 00-0001****Metal Pipe Bollards (32 39 13)**

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill for post and post holes.

32 39 13 00-0002**Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)**

32 39 13 00-0003 LF 4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....32.36	8.69
For Galvanized Steel, Add	2.55
For 304 Stainless Steel, Add	20.25
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	93.44
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	72.64
For Schedule 80, Add	3.99
32 39 13 00-0004 LF 6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....41.01	8.69
For Galvanized Steel, Add	4.02
For 304 Stainless Steel, Add	31.93
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	93.44
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	72.64
For Schedule 80, Add	5.28
32 39 13 00-0005 LF 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....56.78	10.85
For Galvanized Steel, Add	5.96
For 304 Stainless Steel, Add	47.36
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	124.80
For Each Sleeve For Removable, Lockable Bollard, Add	111.56
For Schedule 80, Add	7.43
32 39 13 00-0006 LF 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....74.05	13.02
For Galvanized Steel, Add	8.16
For 304 Stainless Steel, Add	64.80
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	142.20
For Each Sleeve For Removable, Lockable Bollard, Add	120.26
For Schedule 80, Add	9.81
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....94.29	17.36
For Galvanized Steel, Add	10.13
For 304 Stainless Steel, Add	80.42
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	197.88
For Each Sleeve For Removable, Lockable Bollard, Add	166.31
For Schedule 80, Add	12.41

32 39 16 Manufactured Concrete Bollards (32 39)**32 39 16 00-0001****Concrete Bollards (32 39 16)**

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.

32 39 16 00-0002**Concrete Bollard, Exposed Aggregate (32 39 16 00-0001)**

32 39 16 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast.....440.06	69.45
Note: Surface mounted with anchor bolts embedded into grout pockets.	
32 39 16 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast .....440.06	69.45
Note: Surface mounted with anchor bolts embedded into grout pockets.	

32 39 19 Manufactured Wood Bollards (32 39)**32 39 19 00-0001****Wood Bollards (32 39 19)**

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.

32 39 19 00-0002**Wood Bollard, Pressure Treated Timber (32 39 19 00-0001)**

32 39 19 00-0003 LF 4" x 4", Pressure Treated Wood Bollard .....16.62	6.95
For Each Sleeve For Removable, Lockable Bollard, Add	74.80
32 39 19 00-0004 LF 6" x 6", Pressure Treated Wood Bollard .....19.49	6.95
For Each Sleeve For Removable, Lockable Bollard, Add	74.80
32 39 19 00-0005 LF 8" x 8", Pressure Treated Wood Bollard .....25.59	7.82
For Each Sleeve For Removable, Lockable Bollard, Add	116.44
32 39 19 00-0006 LF 10" x 10", Pressure Treated Wood Bollard .....36.37	10.41
For Each Sleeve For Removable, Lockable Bollard, Add	126.86
32 39 19 00-0007 LF 12" x 12", Pressure Treated Wood Bollard .....50.15	13.89
For Each Sleeve For Removable, Lockable Bollard, Add	176.65



Exterior Improvements	32	32
Site Improvements	32 30	
Manufactured Site Specialties	32 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 39 23 Manufactured Plastic Bollards (32 39)

32 39 23 00-0001	Plastic Bollards <small>(32 39 23)</small> See CSI section 32 31 13 00-0001 for augering and filling holes for bollards., 32 31 13 00-0018 for concrete fill.		
32 39 23 00-0002	Recycled Plastic Bollards <small>(32 39 23 00-0001)</small>		
32 39 23 00-0003	EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard..... Note: Includes anchor bolts.	188.47	34.72
32 39 23 00-0004	EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	294.43	34.72

32 39 23 00-0005 Plastic Bollard Covers (32 39 23 00-0001)

32 39 23 00-0006	EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	47.30	7.90
32 39 23 00-0007	EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	51.30	8.70
32 39 23 00-0008	EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe..... <i>For Reflective Tape, Add</i>	63.05	7.90
32 39 23 00-0009	EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	63.05	7.90
32 39 23 00-0010	EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	70.40	7.90
32 39 23 00-0011	EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	63.05	7.90
32 39 23 00-0012	EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	64.10	7.90
32 39 23 00-0013	EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	63.05	7.90
32 39 23 00-0014	EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	64.10	7.90
32 39 23 00-0015	EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	88.25	7.90
32 39 23 00-0016	EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	64.63	8.70
32 39 23 00-0017	EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	81.43	8.70
32 39 23 00-0018	EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	92.25	8.70
32 39 23 00-0019	EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	78.81	9.49
32 39 23 00-0020	EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe..... <i>For Reflective Tape, Add</i>	85.11	9.49
32 39 23 00-0021	EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe..... <i>For Reflective Tape, Add</i>	85.11	9.49
32 39 23 00-0022	EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... <i>For Reflective Tape, Add</i>	113.47	9.49

32 39 26 Manufactured Stone Bollards (32 39)

32 39 26 00-0001	Stone Bollards <small>(32 39 26)</small> See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
32 39 26 00-0002	Granite Bollards <small>(32 39 26 00-0001)</small>		
32 39 26 00-0003	EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	933.54	86.81
32 39 26 00-0004	EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,182.61	121.54
32 39 26 00-0005	EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top..... Note: Surface mounted with anchors embedded into grout pockets.	579.83	86.81
32 39 26 00-0006	EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	857.37	69.45
32 39 26 00-0007	EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,278.79	69.45

32 80 Irrigation (32)

32 84 Planting Irrigation (32 80)

32 84 13 Drip Irrigation (32 84)

32 84 13 00-0001	Drip Emitter Irrigation Devices <small>(32 84 13)</small>		
32 84 13 00-0002	Drip Emitter Irrigation Valves <small>(32 84 13 00-0001)</small>		
32 84 13 00-0003	EA 3/4", Shut-Off Ball Valve For Drip Emitter Irrigation Systems.....	34.31	8.12
32 84 13 00-0004	EA 3/4", Check Valve For Drip Emitter Irrigation Systems.....	43.63	8.12
32 84 13 00-0005	EA 1", Check Valve For Drip Emitter Irrigation Systems.....	46.85	8.12
32 84 13 00-0006	EA Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems.....	55.09	8.12
32 84 13 00-0007	EA 3/4", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	61.42	8.12
32 84 13 00-0008	EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	61.18	8.12
32 84 13 00-0009	EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	59.42	8.12
32 84 13 00-0010	EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems.....	88.29	8.12

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0011			Drip Emmitter Irrigation Filters (32 84 13 00-0001)		
32 84 13 00-0012	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems	122.08	8.12
32 84 13 00-0013	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems	123.24	8.12
32 84 13 00-0014	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems	45.02	8.12
32 84 13 00-0015	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems	45.95	8.12
32 84 13 00-0016	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emmitter Irrigation Systems	132.94	8.12
32 84 13 00-0017	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems	59.05	8.12
32 84 13 00-0018	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems	66.34	8.12
32 84 13 00-0019	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emmitter Irrigation Systems	71.35	8.12
32 84 13 00-0020	EA		1" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emmitter Irrigation Systems	79.32	8.12
32 84 13 00-0021			Drip Emmitter Irrigation Pressure Regulators (32 84 13 00-0001)		
32 84 13 00-0022	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems	44.08	8.12
32 84 13 00-0023	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems	44.08	8.12
32 84 13 00-0024	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems	44.08	8.12
32 84 13 00-0025	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems	51.75	8.12
32 84 13 00-0026			Drip Emmitter Irrigation Tubing (32 84 13 00-0001)		
			Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0027	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters	2.76	1.14
32 84 13 00-0028	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters	2.76	1.30
32 84 13 00-0029	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems	2.40	1.14
			For Shallow Trenching And Backfill By Hand, Add	4.66	
32 84 13 00-0030	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems	2.77	1.30
			For Shallow Trenching And Backfill By Hand, Add	5.06	
32 84 13 00-0031			Drip Emmitter Irrigation Fittings (32 84 13 00-0001)		
32 84 13 00-0032	EA		1/4", Barbed Coupling For Irrigation Tubing	2.19	
32 84 13 00-0033	EA		1/4", Barbed Elbow For Irrigation Tubing	2.22	
32 84 13 00-0034	EA		1/4", Barbed Tee For Irrigation Tubing	2.27	
32 84 13 00-0035	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing	2.54	
32 84 13 00-0036	EA		1/4", Plug For Irrigation Tubing	2.16	
32 84 13 00-0037	EA		1/2", Barbed Coupling For Irrigation Tubing	2.61	
			For Compression Fitting, Add	0.58	
32 84 13 00-0038	EA		1/2", Barbed Elbow For Irrigation Tubing	2.64	
			For Compression Fitting, Add	0.61	
32 84 13 00-0039	EA		1/2", Barbed Tee For Irrigation Tubing	2.66	
			For Compression Fitting, Add	0.63	
32 84 13 00-0040	EA		1/2", Barbed Male Adapter For Irrigation Tubing	2.58	
			For Compression Fitting, Add	0.55	
32 84 13 00-0041	EA		1/2", Barbed Cross For Irrigation Tubing	2.69	
			For Compression Fitting, Add	0.66	
32 84 13 00-0042	EA		1/2", Plug For Irrigation Tubing	2.91	
32 84 13 00-0043	EA		6" Soil Staple For Irrigation Tubing	1.69	
32 84 13 00-0044			Drip Emitters (32 84 13 00-0001)		
32 84 13 00-0045	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems	4.54	
32 84 13 00-0046	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems	5.68	
32 84 13 00-0047	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems	11.94	
32 84 13 00-0048			Drip Emmitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)		
32 84 13 00-0049	EA		Adjustable Stream Bubbler With Spike For Drip Emmitter Irrigation Systems	17.71	7.32
32 84 13 00-0050	EA		Adjustable Micro Spray With Spike For Drip Emmitter Irrigation Systems	17.75	7.32
32 84 13 00-0051	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems	21.09	7.32
32 84 13 00-0052	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems	21.31	7.32
32 84 13 00-0053	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems	30.73	9.59
			Note: Includes nozzle.		
32 84 13 00-0054	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems	33.73	9.59
			Note: Includes nozzle.		
32 84 13 00-0055	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems	36.04	9.59
			Note: Includes nozzle.		
32 84 13 00-0056			Subsurface Drip Emmitter Irrigation Tubing (Rainbird XFS) (32 84 13 00-0001)		
			Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0057	LF		0.536" ID, 0.634" OD, Subsurface Drip Emmitter Irrigation Tubing (Rainbird XFS Copper Shield)	3.13	1.42
32 84 23			Underground Sprinklers (32 84)		
32 84 23 00-0001			Sprinkler Heads (32 84 23)		
32 84 23 00-0002			Spray Sprinkler Heads (32 84 23 00-0001)		
			Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head	25.79	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0004 EA 3" Pop-Up Height, Spray Sprinkler Head	25.79	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0005 EA 4" Pop-Up Height, Spray Sprinkler Head	25.79	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0006 EA 6" Pop-Up Height, Spray Sprinkler Head	32.35	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0007 EA 12" Pop-Up Height, Spray Sprinkler Head	39.50	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0008 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve	28.09	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0009 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve	37.98	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0010 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve	43.22	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0011 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator	29.74	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0012 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator	40.98	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0013 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator	45.35	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0014 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator	32.29	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0015 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator	43.94	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0016 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator	48.18	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0017 EA Bubbler Head With Screen, 1/2" NPT	20.90	8.98
For Rotary Nozzle, Add	3.25	
32 84 23 00-0018 EA Pressure Compensating Bubbler With Screen, 1/2" NPT	23.47	8.98
32 84 23 00-0019 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)		
Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0020 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0021 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head	37.06	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0022 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve	40.71	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0023 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0024 EA 12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head	74.82	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0025 EA 5" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve	56.78	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026 EA 12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve	78.13	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0027 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0028 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head	37.62	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head	52.34	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0030 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head	63.58	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0031 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve	41.16	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0032 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve	54.65	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0033 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve	66.39	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0034 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator	45.49	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0035 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator	59.48	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0036 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator .....70.77 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00		8.98
32 84 23 00-0037 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....49.44 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00		8.98
32 84 23 00-0038 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....62.29 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00		8.98
32 84 23 00-0039 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....74.54 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00		8.98
32 84 23 00-0040 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve .....40.04 <i>For Non-Potable Cover, Add</i> 2.00		8.98
32 84 23 00-0041 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator.....45.49 <i>For Non-Potable Cover, Add</i> 2.00		8.98
32 84 23 00-0042 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0043 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head .....69.76 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00 <i>For Stainless Steel Riser And High Speed Rotor, Add</i> 40.01		8.98
32 84 23 00-0044 1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0045 EA 5" Pop-Up Height, 1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Head .....98.42 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00		8.98
32 84 23 00-0046 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0047 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head .....104.04 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00		8.98
32 84 23 00-0048 1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0049 EA 3" Pop-Up Height, 1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Head .....166.92 <i>For Non-Potable Cover, Add</i> 2.00 <i>For Stainless Steel Riser, Add</i> 9.00		8.98
32 84 23 00-0050 Impact-Drive Sprinkler Heads (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0051 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head .....48.51 <i>For Non-Potable Cover, Add</i> 2.00		8.98
32 84 23 00-0052 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head With Pressure Regulator .....51.50 <i>For Non-Potable Cover, Add</i> 2.00		8.98
32 84 23 00-0053 EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head.....38.44		8.98
32 84 23 00-0054 EA 1/2" Inlet, Up To 41' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head.....67.57		8.98
32 84 23 00-0055 EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head.....107.15		8.98
32 84 23 00-0056 EA 1" Inlet, Up To 65' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head.....274.58		8.98
32 84 23 00-0057 Electric Remote Control Irrigation Valves (32 84 23)		
32 84 23 00-0058 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (32 84 23 00-0057) Note: 5 to 125 PSI.		
32 84 23 00-0059 EA 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve .....108.44		37.42
32 84 23 00-0060 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve .....108.44		37.42
32 84 23 00-0061 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve .....109.56		37.42
32 84 23 00-0062 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (32 84 23 00-0057) Note: 5 to 125 PSI.		
32 84 23 00-0063 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control.....110.12		37.42
32 84 23 00-0064 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve With Flow Control.....111.25		37.42



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0065 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves <small>(32 84 23 00-0057)</small>		
Note: 20 to 200 PSI.		
32 84 23 00-0066 EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	198.91	37.42
32 84 23 00-0067 EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	237.12	37.42
32 84 23 00-0068 EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	296.69	37.42
32 84 23 00-0069 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator <small>(32 84 23 00-0057)</small>		
Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0070 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	296.41	42.05
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	334.62	42.05
32 84 23 00-0072 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	394.19	42.05
32 84 23 00-0073 20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve <small>(32 84 23 00-0057)</small>		
Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0074 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	339.12	42.05
32 84 23 00-0075 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve	396.43	42.05
32 84 23 00-0076 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	450.38	42.05
32 84 23 00-0077 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves <small>(32 84 23 00-0057)</small>		
Note: 15 to 200 PSI operating range pressure.		
32 84 23 00-0078 EA 3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	251.00	37.42
32 84 23 00-0079 EA 1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	271.96	37.42
32 84 23 00-0080 EA 1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	324.78	37.42
32 84 23 00-0081 EA 1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	352.88	37.42
32 84 23 00-0082 EA 2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	422.56	37.42
32 84 23 00-0083 EA 2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	581.77	45.50
32 84 23 00-0084 EA 3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	658.18	50.51
32 84 23 00-0085 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves <small>(32 84 23 00-0057)</small>		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0086 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	385.76	42.05
32 84 23 00-0087 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	441.95	42.05
32 84 23 00-0088 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	466.67	42.05
32 84 23 00-0089 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	531.86	42.05
32 84 23 00-0090 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator <small>(32 84 23 00-0057)</small>		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0091 EA 3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator.....	338.10	37.42
32 84 23 00-0092 EA 1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator.....	359.06	37.42
32 84 23 00-0093 EA 1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	411.88	37.42
32 84 23 00-0094 EA 1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	439.98	37.42
32 84 23 00-0095 EA 2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator.....	509.66	37.42
32 84 23 00-0096 EA 2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	668.87	45.50
32 84 23 00-0097 EA 3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator.....	745.28	50.51
32 84 23 00-0098 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator <small>(32 84 23 00-0057)</small>		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0099 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	472.86	42.05
32 84 23 00-0100 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	529.05	42.05
32 84 23 00-0101 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator.....	553.77	42.05
32 84 23 00-0102 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	618.96	42.05
32 84 23 00-0103 Irrigation Valve Boxes <small>(32 84 23)</small>		
Note: Includes lid.		
32 84 23 00-0104 EA 6" Round Irrigation Valve Box.....	65.60	26.94
32 84 23 00-0105 EA 7" Round Irrigation Valve Box.....	77.85	26.94
32 84 23 00-0106 EA 10" Round Irrigation Valve Box.....	102.95	35.48
32 84 23 00-0107 EA 21.8" x 16.6" Rectangular Irrigation Valve Box	148.93	51.78
32 84 23 00-0108 EA 26.3" x 19.8" Rectangular Irrigation Valve Box	173.29	51.78
32 84 23 00-0109 EA 33.1" x 23.8" Rectangular Irrigation Valve Box	264.74	51.78
32 84 23 00-0110 EA 40.3" x 27.1" Rectangular Irrigation Valve Box	384.04	51.78

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0111	Irrigation Controllers <small>(32 84 23)</small> See CSI section 27 14 13 16-0339 for low voltage wiring.	
32 84 23 00-0112	Irrigation Controllers <small>(32 84 23 00-0111)</small>	
32 84 23 00-0113	Two Program, Indoor Mount, Hybrid Irrigation Controllers <small>(32 84 23 00-0112)</small> Note: Station timing: 0 to 99 minutes. Automatic starts: 3 per day per program. Programming schedule: 2, 3 or 5-day fixed cycle or 7-day variable cycle. Includes plastic indoor cabinet.	
32 84 23 00-0114 EA	4-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	199.77 26.60
32 84 23 00-0115 EA	6-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	252.14 26.60
32 84 23 00-0116 EA	8-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	303.82 26.60
32 84 23 00-0117	Three Program, Indoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0112)</small> Note: Station timing: 0 to 6 hours. Automatic starts: 4 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes plastic indoor cabinet.	
32 84 23 00-0118	Three Program, Indoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0117)</small>	
32 84 23 00-0119 EA	4-Station, Three Program, Indoor Mount, Modular Irrigation Controller	205.40 26.60
	<i>For Outdoor Installations, Add</i>	36.93
32 84 23 00-0120 EA	7-Station, Three Program, Indoor Mount, Modular Irrigation Controller	289.03 26.60
	<i>For Outdoor Installations, Add</i>	41.90
32 84 23 00-0121 EA	10-Station, Three Program, Indoor Mount, Modular Irrigation Controller	372.63 26.60
	<i>For Outdoor Installations, Add</i>	46.87
32 84 23 00-0122 EA	13-Station, Three Program, Indoor Mount, Modular Irrigation Controller	456.26 26.60
	<i>For Outdoor Installations, Add</i>	51.84
32 84 23 00-0123	Accessories For Three Program Modular Irrigation Controllers <small>(32 84 23 00-0117)</small>	
32 84 23 00-0124 EA	3-Station Expansion Module For Three Program Modular Irrigation Controllers.....	136.81
	Note: Use task for increasing capacity of existing three program modular irrigation controllers up to a maximum of 13-stations.	
32 84 23 00-0125	Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers <small>(32 84 23 00-0112)</small> Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 99 days. Includes powder coated steel wall mount cabinet.	
32 84 23 00-0126	Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers <small>(32 84 23 00-0125)</small>	
32 84 23 00-0127 EA	8-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	669.67 26.60
32 84 23 00-0128 EA	12-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	729.51 26.60
32 84 23 00-0129 EA	16-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,130.90 26.60
32 84 23 00-0130 EA	24-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,250.58 26.60
32 84 23 00-0131 EA	28-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,880.12 26.60
32 84 23 00-0132 EA	32-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,939.96 26.60
32 84 23 00-0133 EA	36-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	2,496.60 26.60
32 84 23 00-0134 EA	40-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	2,556.44 26.60
32 84 23 00-0135	Accessories For Four Program Hybrid Irrigation Controllers <small>(32 84 23 00-0125)</small>	
32 84 23 00-0136 EA	Stainless Steel Pedestal For Four Program Hybrid Irrigation Controllers	675.00
	Note: Excludes concrete foundation.	
32 84 23 00-0137	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0112)</small> Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes weather-resistant plastic cabinet.	
32 84 23 00-0138	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0137)</small>	
32 84 23 00-0139 EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	413.17 26.60
32 84 23 00-0140 EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	517.56 26.60
32 84 23 00-0141 EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	619.93 26.60
32 84 23 00-0142 EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	724.31 26.60
32 84 23 00-0143 EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	826.68 26.60
32 84 23 00-0144 EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	931.07 26.60
32 84 23 00-0145 EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	1,033.43 26.60
32 84 23 00-0146	Accessories For Four Program Modular Irrigation Controllers <small>(32 84 23 00-0137)</small>	
32 84 23 00-0147 EA	Metal Cabinet For Four Program Modular Irrigation Controllers	295.99
32 84 23 00-0148 EA	Metal Cabinet With Pedestal For Four Program Modular Irrigation Controllers	699.30
	Note: Excludes concrete foundation.	
32 84 23 00-0149 EA	ET Manager, Weather-Based Irrigation Control Module For Four Program Modular Irrigation Controllers.....	505.24
32 84 23 00-0150 EA	Satellite Remote Control Module With RS232 Communication For Four Program Modular Irrigation Controllers	587.59
32 84 23 00-0151 EA	Satellite Remote Control Module With Phone And RS232 Communication For Four Program Modular Irrigation Controllers	624.71
32 84 23 00-0152 EA	4-Station Expansion Module For Four Program Modular Irrigation Controllers.....	204.12
	Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	



Exterior Improvements		32
	Irrigation	32 80
	Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0153 EA 8-Station Expansion Module For Four Program Modular Irrigation Controllers..... Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	353.03	
32 84 23 00-0154 Three Program, Battery-Operated, Buriable Irrigation Control Modules (32 84 23 00-0112) Note: Station timing: 1 minute to 12 hours. Automatic starts: 8 per day per program. Dependent programming schedule options: odd day watering, odd-31 day watering, even day watering or 1 to 6 day cycles.		
32 84 23 00-0155 Three Program, Battery-Operated, Buriable Irrigation Control Modules (32 84 23 00-0154)		
32 84 23 00-0156 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....	227.61	26.60
32 84 23 00-0157 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....	302.13	26.60
32 84 23 00-0158 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....	400.55	26.60
32 84 23 00-0159 Accessories For Three Program Buriable Irrigation Control Modules (32 84 23 00-0154)		
32 84 23 00-0160 EA Field Transmitter For Three Program Buriable Irrigation Control Modules	201.82	
32 84 23 00-0161 EA Potted Latching Solenoid For Three Program Buriable Irrigation Control Modules.....	61.60	19.95
32 84 23 00-0162 Accessories For Irrigation Controllers (32 84 23 00-0112)		
32 84 23 00-0163 EA Wired Rain Sensor For Irrigation Controllers	104.80	19.95
32 84 23 00-0164 EA Automatic Rain Shutoff Sensor For Irrigation Controllers	134.12	19.95
Note: Includes adjustable sensing probes.		
32 84 23 00-0165 Weather-Based Irrigation Management Systems (32 84 23 00-0111)		
32 84 23 00-0166 ET Manager, Weather-Based Irrigation Management System (32 84 23 00-0165) Note: ET Managers interface with existing irrigation controllers or two-wire decoder systems. The system receives hourly weather data from local weather station broadcasts via an internal antenna.		
32 84 23 00-0167 EA ET Manager, Weather-Based Irrigation Management System.....	789.07	26.60
32 84 23 00-0168 EA 120 Volt AC Transformer For ET Manager, Weather-Based Irrigation Management System..... Note: External antenna for areas with a weak paging signal.	46.80	13.29
32 84 23 00-0169 EA Tipping Rain Gauge For ET Manager, Weather-Based Irrigation Management System	218.84	26.60
32 84 23 00-0170 EA Remote Antenna Kit For ET Manager, Weather-Based Irrigation Management System	245.84	29.92
Note: External antenna for areas with a weak paging signal.		
32 84 23 00-0171 EA Outdoor Enclosure For ET Manager, Weather-Based Irrigation Management System	244.47	19.95
32 84 23 00-0172 Two-Wire Decoder Systems (32 84 23 00-0111)		
32 84 23 00-0173 Controllers For Two-Wire Decoder Systems (32 84 23 00-0172)		
32 84 23 00-0174 EA 50-Station, Modular Controller For Two-Wire Decoder Systems	2,019.44	26.60
Note: Expandable up to 200-stations with expansion modules. Includes water resistant cabinet.		
32 84 23 00-0175 Field Decoders For Two-Wire Decoder Systems (32 84 23 00-0172)		
32 84 23 00-0176 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System.....	161.58	26.60
32 84 23 00-0177 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System	203.57	26.60
32 84 23 00-0178 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System	298.14	26.60
32 84 23 00-0179 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System.....	353.26	26.60
32 84 23 00-0180 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System.....	566.10	26.60
32 84 23 00-0181 Accessories For Two-Wire Decoder Systems (32 84 23 00-0172)		
32 84 23 00-0182 EA 50-Station, Expansion Module For Two-Wire Decoder Controllers..... Note: Use task for increasing capacity of existing two-wire decoder system controllers up to a maximum of 200-stations.	967.05	
32 84 23 00-0183 EA Line Surge Protection For Two-Wire Decoder Systems	123.39	23.27
32 84 23 00-0184 EA Sensor Decoder Interface For Two-Wire Decoder Systems	479.53	26.60
32 84 23 00-0185 Calsense Controllers (32 84 23 00-0111)		
32 84 23 00-0186 Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0187 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	1,397.19	66.49
32 84 23 00-0188 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	1,796.01	74.80
32 84 23 00-0189 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	2,453.56	83.11
32 84 23 00-0190 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	2,694.64	83.11
32 84 23 00-0191 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	3,181.68	91.42
32 84 23 00-0192 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	3,828.48	91.42
32 84 23 00-0193 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	4,333.14	99.74
32 84 23 00-0194 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	4,844.70	99.74
32 84 23 00-0195 EA Upgrade Existing Calsense Controller To ET2000E Model (Calsense ET2000E-UPGRADE)	1,402.87	33.25
32 84 23 00-0196 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	601.04	33.25
32 84 23 00-0197 Irrigation Controller Accessories (32 84 23 00-0185)		
32 84 23 00-0198 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	56.45	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0199 EA Spare Lock For Enclosures (Calsense PAD)	61.15	
32 84 23 00-0200 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	77.77	8.31
32 84 23 00-0201 EA Transformer For Irrigation Controllers (Calsense TR-1).....	125.29	33.25
32 84 23 00-0202 EA AC Line Protection For Irrigation Controllers (Calsense TP-110).....	307.57	33.25
32 84 23 00-0203 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1).....	401.65	33.25
<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	<i>335.77</i>	
32 84 23 00-0204 Sensors For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0205 Flow Sensors (32 84 23 00-0204)		
32 84 23 00-0206 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	699.51	49.86
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-338.01</i>	
32 84 23 00-0207 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	723.03	49.86
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-361.53</i>	
32 84 23 00-0208 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	746.55	49.86
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-385.05</i>	
32 84 23 00-0209 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	832.71	66.49
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-471.00</i>	
32 84 23 00-0210 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B).....	891.51	66.49
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-529.80</i>	
32 84 23 00-0211 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B).....	915.03	66.49
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-553.32</i>	
32 84 23 00-0212 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B).....	1,067.91	66.49
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-577.92</i>	
32 84 23 00-0213 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX).....	819.14	33.25
<i>Note: For 4" and larger pipe. Excludes pipe saddle.</i>		
<i>For Flow Meter Replacement Insert Only, Deduct</i>	<i>-329.15</i>	
32 84 23 00-0214 Moisture Sensors (32 84 23 00-0204)		
32 84 23 00-0215 EA Soil Moisture Sensor (Calsense 1000-S).....	296.82	24.93
32 84 23 00-0216 Weather Sensors (32 84 23 00-0204)		
32 84 23 00-0217 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	809.19	66.49
32 84 23 00-0218 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	965.68	132.98
32 84 23 00-0219 EA ET Gage, Irrigation Weather Sensor (Calsense ETG)	1,816.47	99.74
32 84 23 00-0220 Weather Sensor Accessories (32 84 23 00-0204)		
32 84 23 00-0221 EA Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	536.89	
32 84 23 00-0222 EA Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	995.54	
32 84 23 00-0223 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	536.89	33.25
32 84 23 00-0224 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,203.38	33.25
32 84 23 00-0225 Antennas For Irrigation Controllers (32 84 23 00-0185)		
<i>Note: Excludes antenna cable.</i>		
32 84 23 00-0226 EA Local Radio Dome Antenna (Calsense LR-DOME)	289.93	33.25
32 84 23 00-0227 EA Local Radio Stick Antenna (Calsense LR-STICK)	413.41	33.25
32 84 23 00-0228 EA Local Radio Yagi Antenna (Calsense LR-YAGI)	479.90	66.49
32 84 23 00-0229 EA Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	289.93	33.25
32 84 23 00-0230 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	289.93	33.25
32 84 23 00-0231 EA GPRS Stubby Antenna (Calsense GR-STUBBY)	289.93	33.25
32 84 23 00-0232 EA GPRS Stick Antenna (Calsense GR-STICK)	413.41	33.25
32 84 23 00-0233 EA Spread Spectrum Dome Antenna (Calsense SR-DOME)	289.93	33.25
32 84 23 00-0234 EA Spread Spectrum Stick Antenna (Calsense SR-STICK)	413.41	33.25
32 84 23 00-0235 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	479.90	66.49
32 84 23 00-0236 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	289.93	33.25
32 84 23 00-0237 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	289.93	33.25
32 84 23 00-0238 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	289.93	33.25
32 84 23 00-0239 EA WiFi Stubby Antenna (Calsense WEN-STUBBY)	289.93	33.25
32 84 23 00-0240 LF Antenna Cable With End Connectors (Calsense LMR-400-DB)	7.62	0.40
32 84 23 00-0241 EA Surge Protection Device For Antenna (Calsense ANT-PROT)	280.21	16.62
32 84 23 00-0242 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	460.45	33.25
32 84 23 00-0243 EA 3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	382.20	
32 84 23 00-0244 EA Local Radio Frequency Filter (Calsense LR-FILTER).....	540.96	
32 84 23 00-0245 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER)	399.84	
32 84 23 00-0246 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0247 EA 15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	276.14	49.86
32 84 23 00-0248 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	647.32	83.11
32 84 23 00-0249 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	683.90	33.25
<i>Note: Includes GFI and receptacle.</i>		
32 84 23 00-0250 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)	808.39	24.93
<i>Note: Includes factory installed transient protection board and AC line protection.</i>		
32 84 23 00-0251 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	2,502.64	24.93
<i>Note: Includes factory installed transient protection board and AC line protection.</i>		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0252 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	2,825.24	24.93
Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0253 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	4,107.26	49.86
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0254 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	4,303.71	49.86
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0255 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	144.91	
32 84 23 00-0256 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	467.34	
32 84 23 00-0257 Central Computer For Irrigation Control Systems (32 84 23 00-0185)		
32 84 23 00-0258 EA Central Computer For Irrigation Control Systems (Calsense COMP-2).....	3,156.19	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0259 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	5,572.35	
32 84 23 00-0260 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	1,075.62	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0261 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	2,104.69	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0262 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,384.28	
32 84 23 00-0263 EA GPRS Radio For Use At Central Computer (Calsense DTR-G)	2,020.60	
32 84 23 00-0264 Data Access Service (32 84 23 00-0185)		
32 84 23 00-0265 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)	17.11	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0266 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR).....	187.09	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0267 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR).....	801.82	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0268 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....	69.49	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0269 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	748.37	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0270 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	3,207.30	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0271 Communication Options For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0272 EA FCC License Fee (Calsense).....	124.12	
32 84 23 00-0273 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	231.03	
Note: Per frequency or frequency pair.		
32 84 23 00-0274 EA Hardware Communication Option For Irrigation Controllers (Calsense M)	620.08	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0275 EA Phone Line Communication Option For Irrigation Controllers (Calsense R).....	652.15	
32 84 23 00-0276 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN)	652.15	
32 84 23 00-0277 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,336.38	
32 84 23 00-0278 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,699.87	
32 84 23 00-0279 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	1,699.87	
32 84 23 00-0280 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,699.87	
32 84 23 00-0281 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	5,452.41	
32 84 23 00-0282 EA Communication Hub For Irrigation Controllers (Calsense HUB)	2,109.98	
Note: Accepts up to two communication options. Excludes communication options.		
32 84 23 00-0283 Retrofit Options For Irrigation Controllers (32 84 23 00-0185)		
32 84 23 00-0284 Weather Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0285 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	852.28	
32 84 23 00-0286 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	852.28	
32 84 23 00-0287 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	852.28	
32 84 23 00-0288 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	852.28	
32 84 23 00-0289 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0290 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	895.04	
32 84 23 00-0291 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	1,055.41	
32 84 23 00-0292 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,680.83	
32 84 23 00-0293 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0283)		
32 84 23 00-0294 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	1,001.95	
32 84 23 00-0295 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	2,092.43	
32 84 23 00-0296 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	2,712.51	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0297			Spread Spectrum Radio Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0283)</small>		
32 84 23 00-0298	EA		Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	1,001.95	
32 84 23 00-0299	EA		Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	2,092.43	
32 84 23 00-0300	EA		Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	2,712.51	
32 84 23 00-0301			Ethernet Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0283)</small>		
32 84 23 00-0302	EA		Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	1,001.95	
32 84 23 00-0303	EA		Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,055.41	
32 84 23 00-0304	EA		Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,680.83	
32 84 23 00-0305			GPRS Radio Modem Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0283)</small>		
32 84 23 00-0306	EA		Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	1,001.95	
32 84 23 00-0307	EA		Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,092.43	
32 84 23 00-0308	EA		Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	2,712.51	
32 84 23 00-0309			Radio Remote Units For Irrigation Controllers <small>(32 84 23 00-0185)</small>		
32 84 23 00-0310	EA		Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,007.30	
32 84 23 00-0311	EA		Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)	211.68	
			Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.		
32 84 23 00-0312	EA		Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	90.87	
32 84 23 00-0313	EA		Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	166.29	
32 84 23 00-0314	EA		Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)	107.49	8.31
			Note: Excludes antenna cable.		
32 84 23 00-0315	EA		Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)	203.71	8.31
			Note: Excludes antenna cable.		
32 84 23 00-0316	EA		Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)	219.75	8.31
			Note: Excludes antenna cable.		
32 84 23 00-0317			Satellite Irrigation Controllers (Rainbird ESP-SAT) <small>(32 84 23 00-0111)</small>		
			Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0318	EA		12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP12SATLS)	2,406.58	149.60
32 84 23 00-0319	EA		24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP24SATLS)	2,538.04	157.91
32 84 23 00-0320	EA		40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP40SATLS)	3,493.85	166.22
32 84 23 00-0321			Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0322			Reduced Pressure Zone Assemblies With QT Shut-Offs <small>(32 84 23 00-0321)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0323	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	397.34	30.89
32 84 23 00-0324	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	472.35	37.72
32 84 23 00-0325	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	702.79	43.90
32 84 23 00-0326	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	746.12	50.40
32 84 23 00-0327	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	899.42	65.04
32 84 23 00-0328			Brass Quick-Coupling Irrigation Valves <small>(32 84 23 00-0321)</small>		
32 84 23 00-0329	EA		3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve	131.80	26.94
			For Valve Key, Add	39.85	
32 84 23 00-0330	EA		3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve	141.91	26.94
			For Locking Cover, Add	25.00	
			For Valve Key, Add	39.85	
32 84 23 00-0331	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve	190.24	26.94
			For Valve Key, Add	87.87	
32 84 23 00-0332	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve	216.09	26.94
			For Locking Cover, Add	25.00	
			For Valve Key, Add	87.87	
32 84 23 00-0333			Anti-Siphon Pressure Type Vacuum Breaker <small>(32 84 23 00-0321)</small>		
			Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0334	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker	133.44	22.76
32 84 23 00-0335	EA		1" Anti-Siphon Pressure Type Vacuum Breaker	185.32	26.02
32 84 23 00-0336	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker	321.75	30.08
32 84 23 00-0337	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker	390.64	33.33
32 84 23 00-0338	EA		2" Anti-Siphon Pressure Type Vacuum Breaker	399.49	40.64



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0339 Irrigation Piping (32 84 23)					
32 84 23 00-0340	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	2.09 -0.10	0.94
32 84 23 00-0341	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	2.51 -0.13	1.12
32 84 23 00-0342	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	3.61 -0.18	1.42
32 84 23 00-0343	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	4.68 -0.23	1.78
32 84 23 00-0344	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	5.77 -0.29	2.09
32 84 23 00-0345	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	1.75 -0.09	0.75
32 84 23 00-0346	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.19 -0.11	0.94
32 84 23 00-0347	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.67 -0.13	1.12
32 84 23 00-0348	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fitting <i>For >1,000, Deduct</i>	3.57 -0.18	1.42
32 84 23 00-0349	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	4.51 -0.23	1.78
32 84 23 00-0350	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fitting <i>For >1,000, Deduct</i>	5.65 -0.28	2.09
32 84 23 00-0351	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fitting <i>For >1,000, Deduct</i>	7.91 -0.40	2.99
32 84 23 00-0352 Irrigation Swing Joints (32 84 23)					
32 84 23 00-0353	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint.....	110.25	37.42
32 84 23 00-0354	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint.....	115.34	37.42
32 84 23 00-0355	EA		1" Male NPT, 18" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint.....	118.83	37.42
32 84 23 00-0356	EA		1-1/2" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint.....	137.39	37.42
32 84 23 00-0357	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 45 PSI Pressure Regulator	132.70	37.42
32 84 23 00-0358	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator.....	137.62	37.42
32 84 23 00-0359 Irrigation Control Wire (32 84 23)					
Note: Excludes excavation and backfill.					
32 84 23 00-0360 18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0359)					
32 84 23 00-0361	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	32.35	11.22
32 84 23 00-0362	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	41.59	13.09
32 84 23 00-0363	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	47.81	14.97
32 84 23 00-0364	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	54.57	16.84
32 84 23 00-0365	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	61.89	18.71
32 84 23 00-0366	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	73.06	20.58
32 84 23 00-0367	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	83.81	22.45
32 84 23 00-0368	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	91.02	24.33
32 84 23 00-0369	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	99.69	26.19
32 84 23 00-0370	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	109.49	28.06
32 84 23 00-0371	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	113.77	29.94
32 84 23 00-0372	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	118.61	31.81
32 84 23 00-0373	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	125.21	33.67
32 84 23 00-0374 16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0359)					
32 84 23 00-0375	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	33.81	11.22
32 84 23 00-0376 14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0359)					
32 84 23 00-0377	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	33.82	11.22
32 84 23 00-0378 12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0359)					
32 84 23 00-0379	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	43.49	11.22
32 84 23 00-0380 10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0359)					
32 84 23 00-0381	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	55.74	11.22
32 84 23 00-0382 Root Watering Systems (32 84 23)					
Note: Includes swing assembly.					
32 84 23 00-0383	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System	62.75	14.97
				<i>For Root Watering Sand Sock, Add</i>	1.14
32 84 23 00-0384	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System.....	67.30	14.97
				<i>For Root Watering Sand Sock, Add</i>	1.14
32 84 23 00-0385	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System	62.75	14.97
				<i>For Root Watering Sand Sock, Add</i>	1.14
32 84 23 00-0386	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System.....	67.30	14.97
				<i>For Root Watering Sand Sock, Add</i>	1.14

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0387 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System	67.30	14.97
<i>For Root Watering Sand Sock, Add</i>	1.14	
32 84 23 00-0388 EA 2 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System	67.30	14.97
<i>For Root Watering Sand Sock, Add</i>	1.14	
32 84 23 00-0389 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System.....	54.48	13.09
<i>For Root Watering Sand Sock, Add</i>	1.14	
32 84 23 00-0390 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System	58.86	13.09
<i>For Root Watering Sand Sock, Add</i>	1.14	
32 84 23 00-0391 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System.....	54.48	13.09
<i>For Root Watering Sand Sock, Add</i>	1.14	
32 84 23 00-0392 EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System	58.86	13.09
<i>For Root Watering Sand Sock, Add</i>	1.14	
32 84 23 00-0393 EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System.....	37.50	11.22
<i>For Root Watering Sand Sock, Add</i>	1.14	
32 84 23 00-0394 EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System	41.67	11.22
<i>For Root Watering Sand Sock, Add</i>	1.14	

32 90 Planting ⁽³²⁾

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)**32 91 13 Soil Preparation** ^(32 91)**32 91 13 16 Mulching** ^(32 91 13)**32 91 13 16-0001 Mulch** ^(32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles.

32 91 13 16-0002 CY Stone/Gravel Mulch	169.00	
<i>For >5 To 20, Deduct</i>	-10.95	
<i>For >20 To 50, Deduct</i>	-13.45	
<i>For >50, Deduct</i>	-18.45	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0003 CY Pea Gravel Mulch	72.84	
<i>For >5 To 20, Deduct</i>	-6.14	
<i>For >20 To 50, Deduct</i>	-8.64	
<i>For >50, Deduct</i>	-13.64	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0004 CY Stone Mulch, Decomposed Granite	94.54	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0005 CY Pine Bark Nugget Mulch	75.00	
<i>For >5 To 20, Deduct</i>	-6.25	
<i>For >20 To 50, Deduct</i>	-8.75	
<i>For >50, Deduct</i>	-13.75	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0006 CY Hardwood Bark Nugget Mulch	74.00	
<i>For >5 To 20, Deduct</i>	-6.20	
<i>For >20 To 50, Deduct</i>	-8.70	
<i>For >50, Deduct</i>	-13.70	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0007 CY Pine Wood Chip Mulch	72.00	
<i>For >5 To 20, Deduct</i>	-6.10	
<i>For >20 To 50, Deduct</i>	-8.60	
<i>For >50, Deduct</i>	-13.60	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0008 CY Hardwood Chip Mulch.....	78.00	
<i>For >5 To 20, Deduct</i>	-6.40	
<i>For >20 To 50, Deduct</i>	-8.90	
<i>For >50, Deduct</i>	-13.90	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0009 CY Shredded Hardwood Mulch	76.00	
<i>For >5 To 20, Deduct</i>	-6.30	
<i>For >20 To 50, Deduct</i>	-8.80	
<i>For >50, Deduct</i>	-13.80	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0010 CY Shredded Pine Mulch.....	67.00	
<i>For >5 To 20, Deduct</i>	-5.85	
<i>For >20 To 50, Deduct</i>	-8.35	
<i>For >50, Deduct</i>	-13.35	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0011 CY Shredded Cedar Mulch.....	86.50	
<i>For >5 To 20, Deduct</i>	-6.83	
<i>For >20 To 50, Deduct</i>	-9.33	
<i>For >50, Deduct</i>	-14.33	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	
32 91 13 16-0012 CY Shredded Cypress Mulch.....	85.00	
<i>For >5 To 20, Deduct</i>	-6.75	
<i>For >20 To 50, Deduct</i>	-9.25	
<i>For >50, Deduct</i>	-14.25	
<i>For Work On Slopes >1 To 2.5, Add</i>	10.00	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0013 CY Shredded Redwood Mulch.....	89.00	
For >5 To 20, Deduct	-6.95	
For >20 To 50, Deduct	-9.45	
For >50, Deduct	-14.45	
For Work On Slopes >1 To 2.5, Add	10.00	
32 91 13 16-0014 CY Chunk Recycled Tire Mulch.....	133.54	
For >5 To 20, Deduct	-9.85	
For >20 To 50, Deduct	-13.03	
For >50, Deduct	-19.39	
For Work On Slopes >1 To 2.5, Add	12.71	
32 91 13 16-0015 CY Chunk Colored Recycled Tire Mulch	202.54	
For >5 To 20, Deduct	-13.30	
For >20 To 50, Deduct	-16.48	
For >50, Deduct	-22.84	
For Work On Slopes >1 To 2.5, Add	12.71	
32 91 13 16-0016 CY Shredded Recycled Tire Mulch.....	203.54	
For >5 To 20, Deduct	-13.35	
For >20 To 50, Deduct	-16.53	
For >50, Deduct	-22.89	
For Work On Slopes >1 To 2.5, Add	12.71	
32 91 13 16-0017 CY Shredded Colored Recycled Tire Mulch	341.54	
For >5 To 20, Deduct	-20.25	
For >20 To 50, Deduct	-23.43	
For >50, Deduct	-29.79	
For Work On Slopes >1 To 2.5, Add	12.71	
32 91 13 16-0018 BALE Pine Straw Mulch.....	6.51	
Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.80	
For Work On Slopes >1 To 2.5, Add	0.60	
32 91 13 16-0019 BALE Wheat Straw Mulch.....	6.38	
Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.75	
For Work On Slopes >1 To 2.5, Add	0.45	
32 91 13 26 Planting Beds <small>(32 91 13)</small>		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001 Plant Bed Preparation <small>(32 91 13 26)</small>		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002 SF Prepare Plant Bed, Up To 8" Deep By Machine	0.80	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >1 To 2.5, Add	0.16	
32 91 13 26-0003 SF Prepare Plant Bed, 9" To 13" Deep By Machine.....	0.92	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >1 To 2.5, Add	0.18	
32 91 13 26-0004 SF Prepare Plant Bed, 14" To 18" Deep By Machine.....	1.09	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >1 To 2.5, Add	0.22	
32 91 13 26-0005 SF Prepare Plant Bed By Hand, Up To 8" Deep	3.84	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >1 To 2.5, Add	0.77	
32 91 13 26-0006 SF Prepare Plant Bed By Hand, 9" To 13" Deep.....	4.41	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >1 To 2.5, Add	0.88	
32 91 13 26-0007 SF Prepare Plant Bed By Hand, 14" To 18" Deep.....	5.20	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >1 To 2.5, Add	1.04	
32 91 13 26-0008 Planting Pit Preparation <small>(32 91 13 26)</small>		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009 CY Excavate Planting Pit By Hand, Sandy Soil	66.49	
Note: For use with existing planting pits.		
For Work On Slopes >1 To 2.5, Add	13.30	
32 91 13 26-0010 CY Excavate Planting Pit By Hand, Heavy Soil	132.98	
Note: For use with existing planting pits.		
For Work On Slopes >1 To 2.5, Add	26.60	
32 91 13 26-0011 CY Excavate Planting Pit By Machine, Sandy Soil	9.52	
Note: For use with existing planting pits.		
For Work On Slopes >1 To 2.5, Add	1.90	
32 91 13 26-0012 CY Excavate Planting Pit By Machine, Heavy Soil	12.39	
Note: For use with existing planting pits.		
For Work On Slopes >1 To 2.5, Add	2.48	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91	13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	59.08	
			<i>For Work On Slopes >1 To 2.5, Add</i>	11.82	
32 91	13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix.....	66.78	
			<i>For Work On Slopes >1 To 2.5, Add</i>	8.87	
32 91	13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	5.46	
			<i>For Work On Slopes >1 To 2.5, Add</i>	1.09	
32 91	13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	26.97	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.91	
32 91	13 26-0017		Weed Barrier <small>(32 91 13 26)</small>		
32 91	13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.33	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.11	
32 91	13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier.....	1.75	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.11	
32 91	13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	1.93	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.11	
32 91	13 33		Soil Conditioners <small>(32 91 13)</small>		
32 91	13 33-0001		Spread Soil Conditioners <small>(32 91 13 33)</small>		
32 91	13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.41	
32 91	13 33-0003	MSF	Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	39.57	
32 91	13 33-0004	SY	Fertilizer, 0.2 LB/SY, Push Spreader	0.05	
32 91	13 33-0005	MSF	Fertilizer, 0.2 LB/SY, Tractor Spread	7.24	
32 91	13 33-0006	MSF	Fertilizer, 18.36 LB/MSF, Truck Spread.....	3.75	
32 91	13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader.....	0.09	
32 91	13 33-0008	MSF	Pelletized Lime, 1 LB/SY, Tractor Spreader	7.14	
32 91	13 33-0009	SY	Lusol, 3 LB/SY, Push Spreader.....	0.67	
32 91	13 33-0010	MSF	Lusol, 3 LB/SY, Tractor Spreader	69.36	
32 91	13 33-0011	SY	Manure, 18 LB/SY, Push Spreader.....	2.34	
32 91	13 33-0012	MSF	Manure, 18 LB/SY, Tractor Spreader.....	255.13	
32 91	13 33-0013	SY	Perlite, 1" Deep, Push Spreader	3.63	
32 91	13 33-0014	MSF	Perlite, 1" Deep, Tractor Spreader.....	377.81	
32 91	13 33-0015	SY	Vermiculite, Push Spreader	3.37	
32 91	13 33-0016	MSF	Vermiculite, Tractor Spreader	369.05	
32 91	13 36		Lawn Bed Preparation <small>(32 91 13)</small>		
32 91	13 36-0001		Lawn Bed Preparation <small>(32 91 13 36)</small>		
32 91	13 36-0002	MSF	Rake Topsoil With Machine	60.66	
32 91	13 36-0003	MSF	Rake Topsoil By Hand	53.19	
32 91	13 36-0004	MSF	Screen Loam With Machine	76.75	
32 91	13 36-0005	MSF	Screen Loam By Hand.....	35.46	
32 91	13 36-0006	SY	Roll Topsoil With Machine	0.76	
32 91	13 36-0007	SY	Roll Topsoil By Hand.....	2.38	
32 91	13 36-0008	MSF	Remove Rocks And Debris With Machine	7.17	
32 91	13 36-0009	MSF	Remove Rocks And Debris By Hand	23.03	
32 91	13 36-0010	MSF	Root Raking And Loading, No Boulders	37.54	
			<i>For >45 to 225, Deduct</i>	-26.28	
			<i>For >225, Deduct</i>	-33.79	
32 91	13 36-0011	MSF	Root Raking And Loading, With Boulders.....	62.55	
			<i>For >45 to 225, Deduct</i>	-43.79	
			<i>For >225, Deduct</i>	-56.30	
32 91	13 36-0012	SY	Up To 6" Deep Tilling Topsoil With Tractor.....	0.09	
32 91	13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.56	
32 91	13 36-0014	SY	Up To 4" Deep Tilling Topsoil With Rototiller	0.68	
32 91	13 36-0015	SY	Up To 6" Deep Tilling Topsoil With Rototiller	0.85	
32 91	13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds.....	0.94	
32 91	13 36-0017		Sod Removal <small>(32 91 13 36)</small>		
32 91	13 36-0018	SY	Remove Sod By Hand	4.48	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.90	
32 91	13 36-0019	SY	Remove Sod With Machine	0.44	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.09	
32 91	13 36-0020	SY	Pile Sod By Hand.....	2.66	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.53	
32 91	13 36-0021	SY	Pile Sod With Machine.....	0.84	
			<i>For Work On Slopes >1 To 2.5, Add</i>	0.17	
32 91	19		Landscape Grading <small>(32 91)</small>		
32 91	19 13		Topsoil Placement And Grading <small>(32 91 19)</small>		
32 91	19 13-0001		Remove And Stockpile Topsoil On Site <small>(32 91 19 13)</small>		
32 91	19 13-0002	CY	Remove Topsoil, 4" Deep Stockpile On Site.....	3.47	
32 91	19 13-0003	CY	Remove Topsoil, 6" Deep Stockpile On Site.....	3.44	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0004 Screening Topsoil <small>(32 91 19 13)</small>		
32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.74	
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material	5.16	
32 91 19 13-0007 CY Screen Topsoil With Vibrating Screen And Mix With Conditioners	2.05	
32 91 19 13-0008 Spreading Topsoil From Stockpile <small>(32 91 19 13)</small>		
32 91 19 13-0009 CY Spread Topsoil By Machine From Stockpile	5.69	
32 91 19 13-0010 CY Spread Topsoil By Hand From Stockpile	50.75	
32 91 19 13-0011 Furnish And Place Imported Screened Topsoil <small>(32 91 19 13)</small>		
<small>Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0035 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.</small>		
32 91 19 13-0012 SY Furnish And Place Imported Screened Topsoil, 2" Deep	2.29	
<i>For Unscreened, Deduct</i>	-0.24	
32 91 19 13-0013 SY Furnish And Place Imported Screened Topsoil, 4" Deep	4.37	
<i>For Unscreened, Deduct</i>	-0.47	
32 91 19 13-0014 SY Furnish And Place Imported Screened Topsoil, 6" Deep	6.28	
<i>For Unscreened, Deduct</i>	-0.71	
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 9" Deep	9.01	
<i>For Unscreened, Deduct</i>	-1.06	
32 91 19 13-0016 SY Furnish And Place Imported Screened Topsoil, 12" Deep	11.72	
<i>For Unscreened, Deduct</i>	-1.41	
32 91 19 13-0017 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep	31.42	
<i>For Unscreened, Deduct</i>	-4.23	
32 91 19 16 Scarify Subsoil <small>(32 91 19)</small>		
32 91 19 16-0001 Scarify Subsoil For Planting Preparation <small>(32 91 19 16)</small>		
32 91 19 16-0002 MSF Up To 5,000 SF Scarify Up To 8" Subsoil With Machine	44.57	
32 91 19 16-0003 MSF >5,000 To 20,000 SF Scarify Up To 8" Subsoil With Machine	31.21	
32 91 19 16-0004 MSF >20,000 SF Scarify Up To 8" Subsoil With Machine With Scarifier	18.35	
32 92 Turf And Grasses <small>(32 90)</small>		
32 92 16 Plugging <small>(32 92)</small>		
32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep <small>(32 92 16)</small>		
<small>Note: Includes fine grade and soil preparation.</small>		
32 92 16 00-0002 6" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center	180.00	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center	31.89	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center	25.87	
32 92 16 00-0006 9" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center	137.85	
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center	24.60	
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center	19.29	
32 92 16 00-0010 12" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0011 MSF Plugging By Hand, 12" On Center	114.67	
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center	16.30	
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center	12.20	
32 92 19 Seeding <small>(32 92)</small>		
32 92 19 13 Mechanical Seeding <small>(32 92 19)</small>		
<small>Note: Includes fertilizing, liming, mixing, seeding and initial watering.</small>		
32 92 19 13-0001 Tractor Spreader Mechanical Seeding <small>(32 92 19 13)</small>		
<small>Note: Excludes straw.</small>		
32 92 19 13-0002 MSF Common Bluegrass, Tractor Spreader	28.40	
<small>Note: 4 LB/MSF spread rate.</small>		
32 92 19 13-0003 MSF Tall Fescue, Tractor Spreader	22.89	
<small>Note: 5.5 LB/MSF spread rate.</small>		
32 92 19 13-0004 MSF Rye, Tractor Spreader	23.28	
<small>Note: 10 LB/MSF spread rate.</small>		
32 92 19 13-0005 MSF Shade Mix, Tractor Spreader	25.27	
<small>Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.</small>		
32 92 19 13-0006 MSF Turf Mix, Tractor Spreader	26.69	
<small>Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.</small>		
32 92 19 13-0007 MSF Slope Mix, Tractor Spreader	24.79	
<small>Note: 6 LB/MSF spread rate.</small>		
32 92 19 13-0008 MSF Utility Mix, Tractor Spreader	22.42	
<small>Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.</small>		

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader..... Note: 0.10 LB/MSF spread rate.	17.95	
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate.	53.29	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	32.39	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	17.90	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	19.80	
32 92 19 13-0014			Hydro Or Air Mechanical Seeding <small>(32 92 19 13)</small>		
32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	59.90	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.82	
			<i>For >1 To 4 MSF, Add</i>	42.42	
			<i>For >4 To 7.5 MSF, Add</i>	28.82	
			<i>For >7.5 To 10 MSF, Add</i>	14.41	
			<i>For >45, Deduct</i>	-4.90	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	63.23	
			<i>For Spot Areas Up To 1 MSF, Add</i>	67.15	
			<i>For >1 To 4 MSF, Add</i>	43.09	
			<i>For >4 To 7.5 MSF, Add</i>	29.15	
			<i>For >7.5 To 10 MSF, Add</i>	14.58	
			<i>For >45, Deduct</i>	-5.06	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	60.04	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.87	
			<i>For >1 To 4 MSF, Add</i>	42.45	
			<i>For >4 To 7.5 MSF, Add</i>	28.83	
			<i>For >7.5 To 10 MSF, Add</i>	14.42	
			<i>For >45, Deduct</i>	-4.90	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	59.90	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.82	
			<i>For >1 To 4 MSF, Add</i>	42.42	
			<i>For >4 To 7.5 MSF, Add</i>	28.82	
			<i>For >7.5 To 10 MSF, Add</i>	14.41	
			<i>For >45, Deduct</i>	-4.90	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	63.23	
			<i>For Spot Areas Up To 1 MSF, Add</i>	67.15	
			<i>For >1 To 4 MSF, Add</i>	43.09	
			<i>For >4 To 7.5 MSF, Add</i>	29.15	
			<i>For >7.5 To 10 MSF, Add</i>	14.58	
			<i>For >45, Deduct</i>	-5.06	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	61.80	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.58	
			<i>For >1 To 4 MSF, Add</i>	42.80	
			<i>For >4 To 7.5 MSF, Add</i>	29.01	
			<i>For >7.5 To 10 MSF, Add</i>	14.51	
			<i>For >45, Deduct</i>	-4.99	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	60.65	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.12	
			<i>For >1 To 4 MSF, Add</i>	42.57	
			<i>For >4 To 7.5 MSF, Add</i>	28.90	
			<i>For >7.5 To 10 MSF, Add</i>	14.45	
			<i>For >45, Deduct</i>	-4.94	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding..... Note: 0.10 LB/MSF spread rate.	56.95	
			<i>For Spot Areas Up To 1 MSF, Add</i>	64.64	
			<i>For >1 To 4 MSF, Add</i>	41.83	
			<i>For >4 To 7.5 MSF, Add</i>	28.53	
			<i>For >7.5 To 10 MSF, Add</i>	14.26	
			<i>For >45, Deduct</i>	-4.75	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate.	90.30	
			<i>For Spot Areas Up To 1 MSF, Add</i>	77.98	
			<i>For >1 To 4 MSF, Add</i>	48.50	
			<i>For >4 To 7.5 MSF, Add</i>	31.86	
			<i>For >7.5 To 10 MSF, Add</i>	15.93	
			<i>For >45, Deduct</i>	-6.42	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	79.86	
			<i>For Spot Areas Up To 1 MSF, Add</i>	73.80	
			<i>For >1 To 4 MSF, Add</i>	46.41	
			<i>For >4 To 7.5 MSF, Add</i>	30.82	
			<i>For >7.5 To 10 MSF, Add</i>	15.41	
			<i>For >45, Deduct</i>	-5.90	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	52.44	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	62.83	
For >1 To 4 MSF, Add	40.93	
For >4 To 7.5 MSF, Add	28.07	
For >7.5 To 10 MSF, Add	14.04	
For >45, Deduct	-4.52	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	58.00	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	65.06	
For >1 To 4 MSF, Add	42.04	
For >4 To 7.5 MSF, Add	28.63	
For >7.5 To 10 MSF, Add	14.32	
For >45, Deduct	-4.80	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	60.85	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	66.20	
For >1 To 4 MSF, Add	42.61	
For >4 To 7.5 MSF, Add	28.92	
For >7.5 To 10 MSF, Add	14.46	
For >45, Deduct	-4.95	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	67.24	
Note: Applied with seed.		
For >45, Deduct	-4.31	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	77.83	
Note: Applied with seed.		
For >45, Deduct	-4.89	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	88.49	
Note: Applied with seed.		
For >45, Deduct	-5.47	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	99.17	
Note: Applied with seed.		
For >45, Deduct	-6.06	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	109.91	
Note: Applied with seed.		
For >45, Deduct	-6.65	
32 92 19 19 Seeding By Hand <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering. Excludes straw.		
32 92 19 19-0001 Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
Note: Excludes straw.		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	79.59	
Note: 4 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.64	
For >20 To 45, Deduct	-10.96	
For >45, Deduct	-17.93	
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	74.08	
Note: 5.5 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.37	
For >20 To 45, Deduct	-10.54	
For >45, Deduct	-17.38	
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	74.47	
Note: 10 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.39	
For >20 To 45, Deduct	-10.57	
For >45, Deduct	-17.42	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand.....	76.46	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For > 5 To 20, Deduct	-5.49	
For >20 To 45, Deduct	-10.72	
For >45, Deduct	-17.62	
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand.....	77.88	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For > 5 To 20, Deduct	-5.56	
For >20 To 45, Deduct	-10.83	
For >45, Deduct	-17.76	
32 92 19 19-0007 MSF Slope Mix, Push Spreader Or Hand.....	75.98	
Note: 6 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.46	
For >20 To 45, Deduct	-10.68	
For >45, Deduct	-17.57	
32 92 19 19-0008 MSF Utility Mix, Push Spreader Or Hand.....	73.61	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For > 5 To 20, Deduct	-5.34	
For >20 To 45, Deduct	-10.51	
For >45, Deduct	-17.33	
32 92 19 19-0009 MSF Wild Flower Mix, Push Spreader Or Hand.....	69.14	
Note: 0.10 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.12	
For >20 To 45, Deduct	-10.17	
For >45, Deduct	-16.89	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand .....104.48 Note: 4 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-6.89	
			<i>For >20 To 45, Deduct</i>	-12.82	
			<i>For >45, Deduct</i>	-20.42	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand .....83.58 Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			<i>For > 5 To 20, Deduct</i>	-5.84	
			<i>For >20 To 45, Deduct</i>	-11.25	
			<i>For >45, Deduct</i>	-18.33	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand .....69.09 Note: 7 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.12	
			<i>For >20 To 45, Deduct</i>	-10.17	
			<i>For >45, Deduct</i>	-16.88	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand .....70.99 Note: 7 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.21	
			<i>For >20 To 45, Deduct</i>	-10.31	
			<i>For >45, Deduct</i>	-17.07	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand .....80.49 Note: 3.3 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.69	
			<i>For >20 To 45, Deduct</i>	-11.02	
			<i>For >45, Deduct</i>	-18.02	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand .....77.88 Note: 3.3 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.56	
			<i>For >20 To 45, Deduct</i>	-10.83	
			<i>For >45, Deduct</i>	-17.76	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand .....75.98 Note: 3.3 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.46	
			<i>For >20 To 45, Deduct</i>	-10.68	
			<i>For >45, Deduct</i>	-17.57	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand .....79.78 Note: 4.4 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.65	
			<i>For >20 To 45, Deduct</i>	-10.97	
			<i>For >45, Deduct</i>	-17.95	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand .....76.93 Note: 3.3 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.51	
			<i>For >20 To 45, Deduct</i>	-10.76	
			<i>For >45, Deduct</i>	-17.67	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand .....77.88 Note: 3.3 LB/MSF spread rate.		
			<i>For > 5 To 20, Deduct</i>	-5.56	
			<i>For >20 To 45, Deduct</i>	-10.83	
			<i>For >45, Deduct</i>	-17.76	
32 92 23	Sodding	<small>(32 92)</small>			
			Note: Includes raking preparation, rolling of sod and sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls.		
32 92 23 00-0001	Tall Fescue Sod	<small>(32 92 23)</small>			
32 92 23 00-0002	MSF		Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground .....945.57 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0003	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground .....913.09 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0004	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground .....843.49 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0005	MSF		>8,000 SF, Tall Fescue Sod, Installed On Level Ground .....815.64 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0006	MSF		Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped Ground .....1,205.42 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0007	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped Ground .....1,134.55 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0008	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped Ground .....996.28 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0009	MSF		>8,000 SF, Tall Fescue Sod, Installed On Sloped Ground .....945.57 <i>For Hybrid Fescue "Marathon", Add</i>	42.59	
32 92 23 00-0010	Kentucky Blue Grass Sod	<small>(32 92 23)</small>			
32 92 23 00-0011	MSF		Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....850.13		
32 92 23 00-0012	MSF		>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....817.65		
32 92 23 00-0013	MSF		>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....748.05		
32 92 23 00-0014	MSF		>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....720.20		
32 92 23 00-0015	MSF		Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground .....1,109.98		
32 92 23 00-0016	MSF		>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground .....1,039.11		
32 92 23 00-0017	MSF		>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground .....900.84		



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 23 00-0018 MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground 850.13

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

Note: Materials only.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Quart Koeleria glauca - Blue Hair Grass.....	3.08
32 93 13 00-0003	EA	1 Gallon Koeleria glauca - Blue Hair Grass.....	5.50
32 93 13 00-0004	EA	3 Gallon Koeleria glauca - Blue Hair Grass.....	10.12
32 93 13 00-0005	EA	1 Quart Pennisetum setaceum - Fountain Grass.....	3.45
32 93 13 00-0006	EA	1 Gallon Pennisetum setaceum - Fountain Grass.....	5.50
32 93 13 00-0007	EA	3 Gallon Pennisetum setaceum - Fountain Grass.....	10.12
32 93 13 00-0008	EA	1 Quart Stipa gigantea - Giant Feather Grass.....	7.77
32 93 13 00-0009	EA	1 Gallon Stipa gigantea - Giant Feather Grass.....	11.73
32 93 13 00-0010	EA	1 Quart Imperata cylindrica - Japanese Blood Grass.....	4.33
32 93 13 00-0011	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass.....	6.23
32 93 13 00-0012	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass.....	8.58
32 93 13 00-0013	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	8.58
32 93 13 00-0014	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	14.81
32 93 13 00-0015	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	19.51
32 93 13 00-0016	EA	1 Gallon Cortaderia selloana - Pampas Grass.....	7.04
32 93 13 00-0017	EA	2 Gallon Cortaderia selloana - Pampas Grass.....	8.58
32 93 13 00-0018	EA	3 Gallon Cortaderia selloana - Pampas Grass.....	10.12
32 93 13 00-0019	EA	10 Gallon Cortaderia selloana - Pampas Grass.....	38.87
32 93 13 00-0020	EA	1 Gallon Saccharum ravennae - Ravenna Grass.....	7.04
32 93 13 00-0021	EA	3 Gallon Saccharum ravennae - Ravenna Grass.....	10.12
32 93 13 00-0022	EA	7 Gallon Saccharum ravennae - Ravenna Grass.....	19.51
32 93 13 00-0023	EA	1 Gallon Spartina pectinata - Variegated Cord Grass.....	6.23
32 93 13 00-0024	EA	2 Gallon Spartina pectinata - Variegated Cord Grass.....	10.12
32 93 13 00-0025	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	8.58
32 93 13 00-0026	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	14.81
32 93 13 00-0027	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	19.51

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant.....	5.96
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant.....	16.06
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant.....	53.11
32 93 13 00-0032	EA	1 Gallon Arctostaphylos 'Howard McMinn' - Manzanita.....	5.34
32 93 13 00-0033	EA	5 Gallon Arctostaphylos 'Howard McMinn' - Manzanita.....	14.51
32 93 13 00-0034	EA	1 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita.....	5.34
32 93 13 00-0035	EA	5 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita.....	14.51
32 93 13 00-0036	EA	1 Gallon Artemisia Californica 'Canyon Gray' - California Sagebrush.....	4.46
32 93 13 00-0037	EA	5 Gallon Artemisia C. 'Canyon Gray' - California Sagebrush.....	10.98
32 93 13 00-0038	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	2.20
32 93 13 00-0039	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush.....	3.81
32 93 13 00-0040	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	5.18
32 93 13 00-0041	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	12.44
32 93 13 00-0042	EA	1 Gallon Ceanothus 'Yanlee Point' - Wild Lilac.....	5.18
32 93 13 00-0043	EA	5 Gallon Ceanothus 'Yanlee Point' - Wild Lilac.....	12.44
32 93 13 00-0044	EA	1 Gallon Dietes Vegata - Fortnight Lily.....	4.46
32 93 13 00-0045	EA	5 Gallon Dietes Vegata - Fortnight Lily.....	10.98
32 93 13 00-0046	EA	1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	8.28
32 93 13 00-0047	EA	5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	21.75
32 93 13 00-0048	EA	4" Pot Miscanthus 'Morning Light' - NCN.....	6.21
32 93 13 00-0049	EA	20 Count Flat Miscanthus 'Morning Light' - NCN.....	91.57
32 93 13 00-0050	EA	1 Gallon Muhlenbergia Rigens - Deer Grass.....	8.28
32 93 13 00-0051	EA	5 Gallon Muhlenbergia Rigens - Deer Grass.....	21.75
32 93 13 00-0052	EA	15 Gallon Muhlenbergia Rigens - Deer Grass.....	82.89
32 93 13 00-0053	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass.....	8.28
32 93 13 00-0054	EA	1 Gallon Salvia Clevelandii - California Blue Sage.....	4.46
32 93 13 00-0055	EA	5 Gallon Salvia Clevelandii - California Blue Sage.....	10.98
32 93 13 00-0056	EA	15 Gallon Salvia Clevelandii - California Blue Sage.....	45.08
32 93 13 00-0057	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine.....	4.15
32 93 13 00-0058	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine.....	10.36
32 93 13 00-0059	EA	1 Gallon Westringia Fruticosa - Coast Rosemary.....	4.46
32 93 13 00-0060	EA	5 Gallon Westringia Fruticosa - Coast Rosemary.....	10.98
32 93 13 00-0061	EA	15 Gallon Westringia Fruticosa - Coast Rosemary.....	45.08
32 93 13 00-0062	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	7.77
32 93 13 00-0063	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	10.12
32 93 13 00-0064	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	12.81
32 93 13 00-0065	EA	1 Quart Waldsteinia ternata - Barren Strawberry.....	2.20
32 93 13 00-0066	EA	1 Gallon Waldsteinia ternata - Barren Strawberry.....	5.28
32 93 13 00-0067	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	7.19
32 93 13 00-0068	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	13.64
32 93 13 00-0069	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	24.05
32 93 13 00-0070	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	2.46
32 93 13 00-0071	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	4.55

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0072	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	15.99	
32 93 13 00-0073	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	5.97	
32 93 13 00-0074	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy.....	3.67	
32 93 13 00-0075	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	8.36	
32 93 13 00-0076	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	22.88	
32 93 13 00-0077	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea.....	7.69	
32 93 13 00-0078	EA	1 Quart Iberis sempervirens - Candytuft.....	2.20	
32 93 13 00-0079	EA	1 Gallon Iberis sempervirens - Candytuft.....	5.28	
32 93 13 00-0080	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	5.28	
32 93 13 00-0081	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	19.07	
32 93 13 00-0082	EA	3" Pot Ajuga reptans - Carpet Bugle.....	1.32	
32 93 13 00-0083	EA	1 Quart Ajuga reptans - Carpet Bugle.....	2.20	
32 93 13 00-0084	EA	1 Gallon Ajuga reptans - Carpet Bugle.....	5.28	
32 93 13 00-0085	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	22.73	
32 93 13 00-0086	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	5.28	
32 93 13 00-0087	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	22.88	
32 93 13 00-0088	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	6.89	
32 93 13 00-0089	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	15.25	
32 93 13 00-0090	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	22.88	
32 93 13 00-0091	EA	1 Gallon Ranunculaceae - Clematis Varieties.....	7.58	
32 93 13 00-0092	EA	2 Gallon Ranunculaceae - Clematis Varieties.....	14.02	
32 93 13 00-0093	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	9.53	
32 93 13 00-0094	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	17.89	
32 93 13 00-0095	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	29.33	
32 93 13 00-0096	EA	4" Pot Lantana camera - Common Lantana.....	1.32	
32 93 13 00-0097	EA	1 Gallon Lantana camera - Common Lantana.....	3.81	
32 93 13 00-0098	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	4.55	
32 93 13 00-0099	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	14.96	
32 93 13 00-0100	EA	2 Quart Lysimachia nummularia - Creeping Jenny.....	2.20	
32 93 13 00-0101	EA	1 Gallon Lysimachia nummularia - Creeping Jenny.....	4.25	
32 93 13 00-0102	EA	2 Quart Liriope spicata - Creeping Lilytuft.....	3.81	
32 93 13 00-0103	EA	1 Gallon Liriope spicata - Creeping Lilytuft.....	6.89	
32 93 13 00-0104	EA	5 Gallon Liriope spicata - Creeping Lilytuft.....	14.52	
32 93 13 00-0105	EA	Bare Root Liriope spicata - Creeping Liriope.....	0.96	
32 93 13 00-0106	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	1.32	
32 93 13 00-0107	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	5.28	
32 93 13 00-0108	EA	2-1/4" Pot Securigera varia - Crown Vetch.....	0.88	
32 93 13 00-0109	EA	50 Plant Flat Securigera varia - Crown Vetch.....	29.77	
32 93 13 00-0110	EA	1 Quart Senecio cineraria - Dusty Miller.....	2.20	
32 93 13 00-0111	EA	1 Gallon Senecio cineraria - Dusty Miller.....	5.28	
32 93 13 00-0112	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	18.33	
32 93 13 00-0113	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	33.59	
32 93 13 00-0114	EA	1 Gallon Ilex cornuta - Dwarf Holly.....	3.98	
32 93 13 00-0115	EA	3 Gallon Ilex cornuta - Dwarf Holly.....	8.54	
32 93 13 00-0116	EA	3 Gallon Raphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	8.54	
32 93 13 00-0117	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	2.85	
32 93 13 00-0118	EA	2" To 3" Pot Hedera helix - English Ivy.....	1.32	
32 93 13 00-0119	EA	12" To 15" Runners Hedera helix - English Ivy.....	2.20	
32 93 13 00-0120	EA	1 Gallon Hedera helix - English Ivy.....	5.28	
32 93 13 00-0121	EA	50 Plant Flat Hedera helix - English Ivy.....	30.51	
32 93 13 00-0122	EA	4" Pot Lavandula angustifolia - English Lavender.....	1.91	
32 93 13 00-0123	EA	1 Quart Lavandula angustifolia - English Lavender.....	3.67	
32 93 13 00-0124	EA	1 Gallon Lavandula angustifolia - English Lavender.....	6.01	
32 93 13 00-0125	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	5.72	
32 93 13 00-0126	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	11.44	
32 93 13 00-0127	EA	1 Quart Arundo donax - Giant Reed.....	7.04	
32 93 13 00-0128	EA	1 Gallon Arundo donax - Giant Reed.....	10.12	
32 93 13 00-0129	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	6.01	
32 93 13 00-0130	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	11.44	
32 93 13 00-0131	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	7.77	
32 93 13 00-0132	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	11.73	
32 93 13 00-0133	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	1.32	
32 93 13 00-0134	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	6.01	
32 93 13 00-0135	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	11.44	
32 93 13 00-0136	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	5.28	
32 93 13 00-0137	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	17.60	
32 93 13 00-0138	EA	3 Gallon Hibiscus, Assorted Colors.....	6.88	
32 93 13 00-0139	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....	5.50	
32 93 13 00-0140	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	2.77	
32 93 13 00-0141	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	6.88	
32 93 13 00-0142	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	3.45	
32 93 13 00-0143	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	7.69	
32 93 13 00-0144	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....	4.25	
32 93 13 00-0145	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....	13.35	
32 93 13 00-0146	EA	1 Quart Stachys byzantina - Lamb's Ear.....	2.20	
32 93 13 00-0147	EA	1 Quart Stachys byzantina - Lamb's Ear.....	5.28	
32 93 13 00-0148	EA	1 Gallon Lantana spp. Various Colors.....	3.11	
32 93 13 00-0149	EA	1 Gallon Lantana sellowiana - Trailing Lantana.....	2.05	
32 93 13 00-0150	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	4.25	
32 93 13 00-0151	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	15.25	
32 93 13 00-0152	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	3.11	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0153	EA		1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	3.93	
32 93 13 00-0154	EA		3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	6.28	
32 93 13 00-0155	EA		1 Quart Moss Phlox, Creeping Phlox.....	2.20	
32 93 13 00-0156	EA		1 Gallon Moss Phlox, Creeping Phlox.....	5.28	
32 93 13 00-0157	EA		1 Gallon Nephrolepis exaltata - Common Boston Fern.....	2.77	
32 93 13 00-0158	EA		4" Pot Ophiopogon Japonicus - Mondo grass.....	1.32	
32 93 13 00-0159	EA		1 Gallon Ophiopogon Japonicus - Mondo grass.....	5.28	
32 93 13 00-0160	EA		5 Gallon Ophiopogon Japonicus - Mondo grass.....	12.17	
32 93 13 00-0161	EA		2' To 3' High Oregon Holly-Grape.....	6.09	
32 93 13 00-0162	EA		1 Gallon Pachysandra terminalis - Pachysandra.....	7.94	
32 93 13 00-0163	EA		2-1/4" Pot Vinca minor - Periwinkle.....	0.73	
32 93 13 00-0164	EA		4" Pot Vinca minor - Periwinkle.....	2.20	
32 93 13 00-0165	EA		Bare Root Vinca minor - Periwinkle.....	0.73	
32 93 13 00-0166	EA		1 Quart Nepeta mussinii - Persian Catmint.....	2.20	
32 93 13 00-0167	EA		1 Gallon Nepeta mussinii - Persian Catmint.....	4.55	
32 93 13 00-0168	EA		1 Gallon Coprosma kirkii - Prostrate Coprosma.....	3.67	
32 93 13 00-0169	EA		5 Gallon Coprosma kirkii - Prostrate Coprosma.....	13.35	
32 93 13 00-0170	EA		1 Gallon Juniperus Horizontalis - Prostrate Juniper.....	6.01	
32 93 13 00-0171	EA		3 Gallon Juniperus Horizontalis - Prostrate Juniper.....	12.91	
32 93 13 00-0172	EA		5 Gallon Juniperus Horizontalis - Prostrate Juniper.....	19.07	
32 93 13 00-0173	EA		1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	5.24	
32 93 13 00-0174	EA		1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	13.57	
32 93 13 00-0175	EA		24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	22.73	
32 93 13 00-0176	EA		1 Gallon Tradescantia spathacea - Rhoec Discolor "Dwarf".....	2.77	
32 93 13 00-0177	EA		1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	3.08	
32 93 13 00-0178	EA		1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	5.50	
32 93 13 00-0179	EA		2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	8.58	
32 93 13 00-0180	EA		1 Gallon Hymenocallis latifolia - Spider Lily.....	3.41	
32 93 13 00-0181	EA		3 Gallon Hymenocallis latifolia - Spider Lily.....	9.10	
32 93 13 00-0182	EA		1 Quart Hypericum perforatum - St. John's Wort.....	2.20	
32 93 13 00-0183	EA		1 Gallon Hypericum perforatum - St. John's Wort.....	5.28	
32 93 13 00-0184	EA		5 Gallon Hypericum perforatum - St. John's Wort.....	13.64	
32 93 13 00-0185	EA		24" To 30" High Viburnum awabuki - Sweet Viburnum.....	18.56	
32 93 13 00-0186	EA		1 Gallon Campsis radicans - Trumpet Creeper.....	8.07	
32 93 13 00-0187	EA		2 Gallon Campsis radicans - Trumpet Creeper.....	12.17	
32 93 13 00-0188	EA		5 Gallon Campsis radicans - Trumpet Creeper.....	29.33	
32 93 13 00-0189	EA		2-1/4" Pot Vinca major - Variegated Greater Periwinkle.....	0.73	
32 93 13 00-0190	EA		4" Pot Vinca major - Variegated Greater Periwinkle.....	2.20	
32 93 13 00-0191	EA		Bare Root Vinca major - Variegated Greater Periwinkle.....	0.73	
32 93 13 00-0192	EA		1 Quart Carex hachijoensis - Variegated Japanese Sedge.....	3.96	
32 93 13 00-0193	EA		1 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	5.50	
32 93 13 00-0194	EA		2 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	8.58	
32 93 13 00-0195	EA		1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf.....	6.01	
32 93 13 00-0196	EA		2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena.....	2.79	
32 93 13 00-0197	EA		1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena.....	4.25	
32 93 13 00-0198	EA		48 Plant Flat Vinca minor - Lesser Periwinkle.....	26.14	
32 93 13 00-0199	EA		3" Pot Parthenocissus quinquefolia - Virginia Creeper.....	1.32	
32 93 13 00-0200	EA		1 Gallon Parthenocissus quinquefolia - Virginia Creeper.....	6.89	
32 93 13 00-0201	EA		1 Gallon Jasminum polyanthum - Winter Jasmine.....	5.28	
32 93 13 00-0202	EA		2 Gallon Jasminum polyanthum - Winter Jasmine.....	10.56	
32 93 13 00-0203	EA		5 Gallon Jasminum polyanthum - Winter Jasmine.....	18.33	
32 93 13 00-0204	EA		1 Gallon Cistaceae - Wrinkleleaf Rock Rose.....	4.25	
32 93 13 00-0205	EA		5 Gallon Wrinkleleaf Rock Rose.....	14.52	

32 93 23 Plants And Bulbs (32 93)

Note: Materials only.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA		2 Quart Assorted Daylilies.....	4.25	
32 93 23 00-0003	EA		1 Gallon Assorted Daylilies.....	6.01	
32 93 23 00-0004	EA		2 Gallon Assorted Daylilies.....	9.97	
32 93 23 00-0005	EA		1 Quart Azure Penstemon.....	2.20	
32 93 23 00-0006	EA		1 Gallon Azure Penstemon.....	5.50	
32 93 23 00-0007	EA		1 Quart Balloon Flower.....	2.20	
32 93 23 00-0008	EA		1 Gallon Balloon Flower.....	5.50	
32 93 23 00-0009	EA		1 Quart Black-eyed Susan.....	2.20	
32 93 23 00-0010	EA		1 Gallon Black-eyed Susan.....	5.50	
32 93 23 00-0011	EA		2 Gallon Black-eyed Susan.....	7.11	
32 93 23 00-0012	EA		1 Quart Blackberry Lily.....	2.20	
32 93 23 00-0013	EA		1 Gallon Blackberry Lily.....	5.50	
32 93 23 00-0014	EA		1 Quart Blank Flower.....	2.20	
32 93 23 00-0015	EA		1 Gallon Blank Flower.....	5.06	
32 93 23 00-0016	EA		2 Gallon Blank Flower.....	7.11	
32 93 23 00-0017	EA		1 Quart Blazing Star, Gayfeather.....	2.20	
32 93 23 00-0018	EA		1 Gallon Blazing Star, Gayfeather.....	5.50	
32 93 23 00-0019	EA		1 Quart Bloodred Geranium.....	3.74	
32 93 23 00-0020	EA		1 Gallon Bloodred Geranium.....	6.31	
32 93 23 00-0021	EA		1 Quart Blue Plumbago.....	2.20	
32 93 23 00-0022	EA		1 Gallon Blue Plumbago.....	5.50	
32 93 23 00-0023	EA		1 Quart Blue Star.....	3.96	
32 93 23 00-0024	EA		1 Gallon Blue Star.....	6.31	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 23 00-0025	EA	1 Quart Cardinal Flower.....	2.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower.....	5.50	
32 93 23 00-0027	EA	4" Pot Columbine.....	1.32	
32 93 23 00-0028	EA	1 Quart Columbine.....	2.20	
32 93 23 00-0029	EA	1 Gallon Columbine.....	5.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower.....	2.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower.....	5.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink.....	2.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink.....	5.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'.....	7.92	
32 93 23 00-0035	EA	1 Quart Diploid.....	2.79	
32 93 23 00-0036	EA	1 Gallon Diploid.....	6.31	
32 93 23 00-0037	EA	3 Gallon Diploid.....	10.85	
32 93 23 00-0038	EA	4" Pot Dune Sunflower.....	3.14	
32 93 23 00-0039	EA	1 Quart Evans Begonia.....	3.96	
32 93 23 00-0040	EA	1 Gallon Evans Begonia.....	7.11	
32 93 23 00-0041	EA	1 Quart False Dragonhead.....	2.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead.....	5.50	
32 93 23 00-0043	EA	1 Quart False Spirea.....	2.20	
32 93 23 00-0044	EA	1 Gallon False Spirea.....	7.11	
32 93 23 00-0045	EA	3 Gallon False Spirea.....	9.83	
32 93 23 00-0046	EA	2 Quart False Sunflower.....	3.52	
32 93 23 00-0047	EA	1 Gallon False Sunflower.....	5.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower.....	7.11	
32 93 23 00-0049	EA	1 Gallon Foxglove.....	5.06	
32 93 23 00-0050	EA	2 Gallon Foxglove.....	7.11	
32 93 23 00-0051	EA	3 Gallon Foxglove.....	10.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas.....	8.91	
32 93 23 00-0053	EA	1 Quart Garden Phlox.....	2.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox.....	5.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel.....	4.69	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel.....	9.46	
32 93 23 00-0057	EA	1 Quart Golden Star.....	2.20	
32 93 23 00-0058	EA	1 Gallon Golden Star.....	5.50	
32 93 23 00-0059	EA	1 Quart Goldenrod.....	2.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod.....	5.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylilies.....	10.24	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy.....	1.32	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy.....	2.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy.....	5.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum.....	1.91	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum.....	3.15	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum.....	5.06	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony.....	7.85	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony.....	12.54	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony.....	16.50	
32 93 23 00-0071	EA	4" Pot Japanese Anemone.....	1.32	
32 93 23 00-0072	EA	1 Quart Japanese Anemone.....	3.96	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone.....	7.11	
32 93 23 00-0074	EA	2" Pot Japanese Spurge.....	0.78	
32 93 23 00-0075	EA	6" Pot Japanese Spurge.....	1.17	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge.....	5.05	
32 93 23 00-0077	EA	1 Quart Oriental Poppy.....	3.15	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy.....	6.31	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis.....	26.14	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris.....	4.33	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris.....	8.21	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells.....	8.33	
32 93 23 00-0083	EA	4" Pot Perennial Salvia.....	1.32	
32 93 23 00-0084	EA	1 Quart Perennial Salvia.....	2.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia.....	5.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower.....	2.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower.....	5.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily.....	4.25	
32 93 23 00-0089	EA	1 Gallon Plantain Lily.....	6.01	
32 93 23 00-0090	EA	2 Gallon Plantain Lily.....	9.97	
32 93 23 00-0091	EA	3 Gallon Plantain Lily.....	18.85	
32 93 23 00-0092	EA	2 Quart Purple Coneflower.....	3.96	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower.....	5.50	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower.....	7.11	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife.....	2.20	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife.....	5.50	
32 93 23 00-0097	EA	1 Quart Rose Mallow.....	4.33	
32 93 23 00-0098	EA	2 Gallon Rose Mallow.....	7.85	
32 93 23 00-0099	EA	3 Gallon Rose Mallow.....	13.42	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum.....	8.39	
32 93 23 00-0101	EA	1 Quart Siberian Iris.....	3.74	
32 93 23 00-0102	EA	2 Gallon Siberian Iris.....	7.11	
32 93 23 00-0103	EA	3 Gallon Siberian Iris.....	9.83	
32 93 23 00-0104	EA	1 Quart Speedwell.....	2.20	
32 93 23 00-0105	EA	1 Gallon Speedwell.....	5.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 23 00-0106	EA	1	Quart Tetraploid.....	5.50	
32 93 23 00-0107	EA	1	Gallon Tetraploid	10.27	
32 93 23 00-0108	EA	3	Gallon Tetraploid	14.01	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis.....	2.20	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis	5.50	
32 93 23 00-0111	EA	1	Quart Torch Lily	2.20	
32 93 23 00-0112	EA	1	Quart Bluebeard	3.96	
32 93 23 00-0113	EA	1	Gallon Bluebeard	5.87	
32 93 23 00-0114	EA	2	Gallon Bluebeard	8.58	

32 93 23 00-0115 Annuals (32 93 23)

32 93 23 00-0116	EA	2-1/2"	Pot Annual Flowers	1.02	
32 93 23 00-0117	EA	3"	Pot Annual Flowers	1.38	
32 93 23 00-0118	EA	4"	Pot Annual Flowers	2.95	
32 93 23 00-0119	EA	5-1/2"	Pot Annual Flowers	3.92	
32 93 23 00-0120	EA	6"	Pot Annual Flowers	7.77	
32 93 23 00-0121	EA	8"	Pot Annual Flowers	12.95	
32 93 23 00-0122	EA	36	Plant Flat Annual Flowers.....	16.96	
32 93 23 00-0123	EA	48	Plant Flat Annual Flowers.....	19.23	

32 93 23 00-0124 Bulbs (32 93 23)

32 93 23 00-0125	EA	Top Size	Allium giganteum - Giant Ornamental Onion	3.55	
32 93 23 00-0126	EA	Top Size	Allium sphaerocephalum - Drumstick Ornamental Onion	0.20	
32 93 23 00-0127	LOT	Lot Of 100	Top Size Crocus Hybrid	23.21	
32 93 23 00-0128	LOT	Lot Of 100	Top Size Eranthis hyemalis - Winter Aconite	30.03	
32 93 23 00-0129	LOT	Lot Of 100	Top Size Galanthus nivalis - Snowdrops.....	38.23	
32 93 23 00-0130	LOT	Lot Of 100	Top Size Iris reticulata cvs - Dutch Iris	15.02	
32 93 23 00-0131	LOT	Lot Of 100	Top Size Muscari armeniacum - Grape Hyacinth.....	17.75	
32 93 23 00-0132	LOT	Lot Of 100	Top Size Muscari latifolium - Grape Hyacinth	20.48	
32 93 23 00-0133	LOT	Lot Of 50	Narcissus 'Carlton' - Carlton Daffodil DNI	61.43	
32 93 23 00-0134	LOT	Lot Of 50	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	29.35	
32 93 23 00-0135	LOT	Lot Of 50	Narcissus 'February Gold' - February Gold Daffodil DNI.....	30.72	
32 93 23 00-0136	LOT	Lot Of 50	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	30.72	
32 93 23 00-0137	LOT	Lot Of 50	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	32.08	
32 93 23 00-0138	LOT	Lot Of 50	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	34.13	
32 93 23 00-0139	LOT	Lot Of 50	Narcissus 'Pipit' - Pipit Daffodil DNI.....	32.08	
32 93 23 00-0140	LOT	Lot Of 50	Narcissus 'Salome' - Salome Daffodil DNI	30.03	
32 93 23 00-0141	LOT	Lot Of 50	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	32.08	
32 93 23 00-0142	LOT	Lot Of 50	Narcissus 'Thalia' - Thalia Daffodil DNI	32.08	
32 93 23 00-0143	LOT	Lot Of 100	Top Size Scilla siberica - Siberian Squill	19.11	
32 93 23 00-0144	LOT	Lot Of 60	Top Size Tulip 'Angelique' - Angelique Tulip	32.77	
32 93 23 00-0145	LOT	Lot Of 60	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	24.57	
32 93 23 00-0146	LOT	Lot Of 100	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	54.61	
32 93 23 00-0147	LOT	Lot Of 100	Top Size Tulip 'Big Smile' - Big Smile Tulip.....	47.78	
32 93 23 00-0148	LOT	Lot Of 100	Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	68.26	
32 93 23 00-0149	LOT	Lot Of 100	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	51.88	
32 93 23 00-0150	LOT	Lot Of 100	Top Size Tulip 'Cardinal' - Cardinal Tulip	45.05	
32 93 23 00-0151	LOT	Lot Of 100	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	50.51	
32 93 23 00-0152	LOT	Lot Of 100	Top Size Tulip clusiana - Species Tulip	50.51	
32 93 23 00-0153	LOT	Lot Of 60	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	30.31	
32 93 23 00-0154	LOT	Lot Of 60	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	24.57	
32 93 23 00-0155	LOT	Lot Of 60	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	23.75	
32 93 23 00-0156	LOT	Lot Of 100	Top Size Tulip 'Halcro' - Halcro Tulip	40.96	
32 93 23 00-0157	LOT	Lot Of 60	Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip.....	40.96	
32 93 23 00-0158	LOT	Lot Of 60	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	24.57	
32 93 23 00-0159	LOT	Lot Of 100	Top Size Tulip 'Passionale' - Passionale Tulip.....	54.61	
32 93 23 00-0160	LOT	Lot Of 60	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	35.22	
32 93 23 00-0161	LOT	Lot Of 100	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	61.43	
32 93 23 00-0162	LOT	Lot Of 100	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	49.15	
32 93 23 00-0163	LOT	Lot Of 60	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	27.85	
32 93 23 00-0164	LOT	Lot Of 60	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	30.31	
32 93 23 00-0165	LOT	Lot Of 60	Top Size Tulip 'Princeps' - Princeps Tulip	30.31	
32 93 23 00-0166	LOT	Lot Of 100	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	39.59	
32 93 23 00-0167	LOT	Lot Of 100	Top Size Tulip saxatilis - Species Tulip	27.30	
32 93 23 00-0168	LOT	Lot Of 100	Top Size Tulip 'Shirley' - Shirley Tulip.....	40.96	
32 93 23 00-0169	LOT	Lot Of 100	Top Size Tulip 'Spring Green' - Spring Green Tulip	53.24	
32 93 23 00-0170	LOT	Lot Of 60	Top Size Tulip 'White Emperor' - White Emperor Tulip	24.57	

32 93 33 Shrubs (32 93)

Note: (cvs = cultivar) materials only.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1	Gallon Abelia x grandiflora - Abelia.....	3.30	
32 93 33 00-0003	EA	3	Gallon Abelia x grandiflora - Abelia.....	6.72	
32 93 33 00-0004	EA	5	Gallon Abelia x grandiflora - Abelia.....	12.90	
32 93 33 00-0005	EA	3	Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	85.85	
32 93 33 00-0006	EA	18"	B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	125.47	
32 93 33 00-0007	EA	24"	B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	139.99	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0008	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	176.97	
32 93 33 00-0009	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	196.78	
32 93 33 00-0010	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye.....	39.62	
32 93 33 00-0011	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye.....	52.83	
32 93 33 00-0012	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye.....	66.03	
32 93 33 00-0013	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	22.45	
32 93 33 00-0014	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	26.41	
32 93 33 00-0015	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	31.70	
32 93 33 00-0016	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	36.98	
32 93 33 00-0017	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	44.90	
32 93 33 00-0018	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	21.79	
32 93 33 00-0019	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	23.11	
32 93 33 00-0020	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	24.43	
32 93 33 00-0021	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	27.73	
32 93 33 00-0022	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	22.12	
32 93 33 00-0023	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	23.44	
32 93 33 00-0024	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	24.76	
32 93 33 00-0025	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	26.08	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	4.54	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant.....	10.50	
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	5.32	
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	11.71	
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	15.82	
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	5.68	
32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	8.30	
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry.....	23.69	
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry.....	30.08	
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry.....	42.14	
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	25.33	
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	32.42	
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	41.43	
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	6.81	
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	13.41	
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	16.39	
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry.....	6.46	
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry.....	18.23	
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry.....	25.33	
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry.....	39.09	
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	7.38	
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	19.79	
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	21.07	
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood.....	27.10	
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood.....	36.11	
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood.....	54.20	
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood.....	75.27	
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood.....	21.07	
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood.....	27.10	
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood.....	36.11	
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood.....	54.20	
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars.....	13.87	
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars.....	23.11	
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	60.75	
32 93 33 00-0060	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	33.02	
32 93 33 00-0061	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	44.90	
32 93 33 00-0062	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	60.75	
32 93 33 00-0063	EA	5 Gallon Calycanthus floridus - Common Sweetshrub.....	21.79	
32 93 33 00-0064	EA	30" B&B Calycanthus floridus - Common Sweetshrub.....	19.81	
32 93 33 00-0065	EA	36" B&B Calycanthus floridus - Common Sweetshrub.....	26.41	
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia.....	5.32	
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia.....	11.35	
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia.....	18.87	
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia.....	28.10	
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia.....	72.90	
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia.....	5.32	
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia.....	11.35	
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia.....	18.87	
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea.....	21.79	
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet.....	21.79	
32 93 33 00-0076	EA	36" B&B Celastrus scandens - Bittersweet.....	18.49	
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush.....	21.79	
32 93 33 00-0078	EA	24" B&B Cephalanthus occidentalis - Buttonbush.....	16.51	
32 93 33 00-0079	EA	30" B&B Cephalanthus occidentalis - Buttonbush.....	18.49	
32 93 33 00-0080	EA	36" B&B Cephalanthus occidentalis - Buttonbush.....	19.81	
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince.....	19.01	
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince.....	25.33	
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince.....	39.09	
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	21.13	
32 93 33 00-0085	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	22.78	
32 93 33 00-0086	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	25.42	
32 93 33 00-0087	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	26.74	
32 93 33 00-0088	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra.....	31.37	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0089	EA	2'	To 3' Cornus mas - Cornelian Cherry.....	30.08	
32 93 33 00-0090	EA	3'	To 4' Cornus mas - Cornelian Cherry.....	37.60	
32 93 33 00-0091	EA	4'	To 5' Cornus mas - Cornelian Cherry.....	48.17	
32 93 33 00-0092	EA	5'	To 6' Cornus mas - Cornelian Cherry.....	66.19	
32 93 33 00-0093	EA	5	Gallon Cornus alba & cvs - Tartarian Dogwood.....	19.81	
32 93 33 00-0094	EA	36"	B&B Cornus alba & cvs - Tartarian Dogwood.....	13.87	
32 93 33 00-0095	EA	48"	B&B Cornus alba & cvs - Tartarian Dogwood.....	15.85	
32 93 33 00-0096	EA	60"	B&B Cornus alba & cvs - Tartarian Dogwood.....	19.81	
32 93 33 00-0097	EA	72"	B&B Cornus alba & cvs - Tartarian Dogwood.....	23.77	
32 93 33 00-0098	EA	36"	B&B Cornus amomum - Silky Dogwood.....	19.81	
32 93 33 00-0099	EA	5	Gallon Cornus obliqua - Blue Fruited Dogwood.....	21.79	
32 93 33 00-0100	EA	5	Gallon Cornus racemosa - Gray Dogwood.....	21.79	
32 93 33 00-0101	EA	36"	B&B Cornus racemosa - Gray Dogwood.....	19.81	
32 93 33 00-0102	EA	48"	B&B Cornus racemosa - Gray Dogwood.....	23.11	
32 93 33 00-0103	EA	60"	B&B Cornus racemosa - Gray Dogwood.....	25.09	
32 93 33 00-0104	EA	72"	B&B Cornus racemosa - Gray Dogwood.....	30.38	
32 93 33 00-0105	EA	36"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	21.46	
32 93 33 00-0106	EA	48"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	24.10	
32 93 33 00-0107	EA	60"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	27.40	
32 93 33 00-0108	EA	24"	B&B Cornus sericea & cvs - Redosier Dogwood.....	17.17	
32 93 33 00-0109	EA	30"	B&B Cornus sericea & cvs - Redosier Dogwood.....	19.81	
32 93 33 00-0110	EA	36"	B&B Cornus sericea & cvs - Redosier Dogwood.....	21.13	
32 93 33 00-0111	EA	48"	B&B Cornus sericea & cvs - Redosier Dogwood.....	23.11	
32 93 33 00-0112	EA	60"	B&B Cornus sericea & cvs - Redosier Dogwood.....	25.75	
32 93 33 00-0113	EA	5	Gallon Corylus americana - American Filbert.....	20.47	
32 93 33 00-0114	EA	30"	B&B Corylus americana - American Filbert.....	23.11	
32 93 33 00-0115	EA	36"	B&B Corylus americana - American Filbert.....	24.76	
32 93 33 00-0116	EA	48"	B&B Corylus americana - American Filbert.....	26.74	
32 93 33 00-0117	EA	24"	B&B Corylus avellana - Contorted Hazelnut.....	66.03	
32 93 33 00-0118	EA	30"	B&B Corylus avellana - Contorted Hazelnut.....	85.85	
32 93 33 00-0119	EA	36"	B&B Corylus avellana - Contorted Hazelnut.....	92.45	
32 93 33 00-0120	EA	42"	B&B Corylus avellana - Contorted Hazelnut.....	118.86	
32 93 33 00-0121	EA	48"	B&B Corylus avellana - Contorted Hazelnut.....	145.28	
32 93 33 00-0122	EA	60"	B&B Corylus avellana - Contorted Hazelnut.....	165.09	
32 93 33 00-0123	EA	5'	To 6' Cotinus coggygria - Smoke Tree.....	63.21	
32 93 33 00-0124	EA	6'	To 8' Cotinus coggygria - Smoke Tree.....	94.78	
32 93 33 00-0125	EA	8'	To 10' Cotinus coggygria - Smoke Tree.....	142.94	
32 93 33 00-0126	EA	5	Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51	
32 93 33 00-0127	EA	18"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51	
32 93 33 00-0128	EA	24"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	17.17	
32 93 33 00-0129	EA	12"	To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	15.82	
32 93 33 00-0130	EA	3	Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17	
32 93 33 00-0131	EA	18"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	16.51	
32 93 33 00-0132	EA	24"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17	
32 93 33 00-0133	EA	1	Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	6.81	
32 93 33 00-0134	EA	2'	To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	21.07	
32 93 33 00-0135	EA	3'	To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	28.45	
32 93 33 00-0136	EA	4'	To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	48.17	
32 93 33 00-0137	EA	1	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	6.81	
32 93 33 00-0138	EA	2	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	13.41	
32 93 33 00-0139	EA	18"	B&B Deutzia gracilis - Slender Deutzia.....	16.84	
32 93 33 00-0140	EA	24"	B&B Deutzia gracilis - Slender Deutzia.....	18.49	
32 93 33 00-0141	EA	30"	B&B Deutzia gracilis - Slender Deutzia.....	23.77	
32 93 33 00-0142	EA	36"	B&B Deutzia gracilis - Slender Deutzia.....	27.73	
32 93 33 00-0143	EA	42"	B&B Deutzia gracilis - Slender Deutzia.....	31.70	
32 93 33 00-0144	EA	24"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	26.41	
32 93 33 00-0145	EA	30"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	31.70	
32 93 33 00-0146	EA	36"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	36.98	
32 93 33 00-0147	EA	2	Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	9.91	
32 93 33 00-0148	EA	36"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	23.77	
32 93 33 00-0149	EA	48"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	31.70	
32 93 33 00-0150	EA	3'	To 4' Elaeagnus umbellata - Autumn Olive.....	19.72	
32 93 33 00-0151	EA	4'	To 5' Elaeagnus umbellata - Autumn Olive.....	27.10	
32 93 33 00-0152	EA	5'	To 6' Elaeagnus umbellata - Autumn Olive.....	32.42	
32 93 33 00-0153	EA	3'	To 4' Elaeagnus angustifolia - Russian Olive.....	31.57	
32 93 33 00-0154	EA	1	Gallon Euonymus - Gold Spot.....	5.68	
32 93 33 00-0155	EA	2	Gallon Euonymus - Gold Spot.....	11.92	
32 93 33 00-0156	EA	5	Gallon Euonymus - Gold Spot.....	16.39	
32 93 33 00-0157	EA	1	Gallon Euonymus alatus - Winged Euonymus.....	4.84	
32 93 33 00-0158	EA	3	Gallon Euonymus alatus - Winged Euonymus.....	13.97	
32 93 33 00-0159	EA	24"	B&B Euonymus alatus - Winged Euonymus.....	18.83	
32 93 33 00-0160	EA	30"	B&B Euonymus alatus - Winged Euonymus.....	23.54	
32 93 33 00-0161	EA	36"	B&B Euonymus alatus - Winged Euonymus.....	32.35	
32 93 33 00-0162	EA	42"	B&B Euonymus alatus - Winged Euonymus.....	39.94	
32 93 33 00-0163	EA	48"	B&B Euonymus alatus - Winged Euonymus.....	47.08	
32 93 33 00-0164	EA	54"	B&B Euonymus alatus - Winged Euonymus.....	60.75	
32 93 33 00-0165	EA	5	Gallon Euonymus alatus - Winged Euonymus.....	17.47	
32 93 33 00-0166	EA	60"	B&B Euonymus alatus - Winged Euonymus.....	75.94	
32 93 33 00-0167	EA	30"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	29.72	
32 93 33 00-0168	EA	36"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	35.33	
32 93 33 00-0169	EA	42"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	46.22	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0170	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	55.47
32 93 33 00-0171	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	68.68
32 93 33 00-0172	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	17.83
32 93 33 00-0173	EA	1 Gallon Euonymus fortunei - Wintercreeper	6.81
32 93 33 00-0174	EA	2 Gallon Euonymus fortunei - Wintercreeper	13.41
32 93 33 00-0175	EA	3 Gallon Euonymus fortunei - Wintercreeper	16.39
32 93 33 00-0176	EA	5 Gallon Euonymus fortunei - Wintercreeper	19.44
32 93 33 00-0177	EA	2' To 3' Forsythia - Korean Forsythia	15.04
32 93 33 00-0178	EA	3' To 4' Forsythia - Korean Forsythia	19.01
32 93 33 00-0179	EA	4' To 5' Forsythia - Korean Forsythia	23.69
32 93 33 00-0180	EA	30" B&B Forsythia cvs - Forsythia cultivars	15.19
32 93 33 00-0181	EA	36" B&B Forsythia cvs - Forsythia cultivars	16.84
32 93 33 00-0182	EA	48" B&B Forsythia cvs - Forsythia cultivars	18.16
32 93 33 00-0183	EA	18" B&B Forsythia viridissima & cvs - Green Forsythia	15.85
32 93 33 00-0184	EA	24" B&B Forsythia viridissima & cvs - Green Forsythia	21.13
32 93 33 00-0185	EA	24" B&B Forsythia x intermedia & cvs - Border Forsythia	15.85
32 93 33 00-0186	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	18.49
32 93 33 00-0187	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	21.79
32 93 33 00-0188	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	25.09
32 93 33 00-0189	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	29.06
32 93 33 00-0190	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	22.45
32 93 33 00-0191	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	31.37
32 93 33 00-0192	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	33.02
32 93 33 00-0193	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	34.34
32 93 33 00-0194	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	36.98
32 93 33 00-0195	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	44.90
32 93 33 00-0196	EA	24" B&B Fothergilla major - Large Fothergilla	58.11
32 93 33 00-0197	EA	30" B&B Fothergilla major - Large Fothergilla	66.03
32 93 33 00-0198	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	4.90
32 93 33 00-0199	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	12.84
32 93 33 00-0200	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	16.39
32 93 33 00-0201	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	46.22
32 93 33 00-0202	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	75.28
32 93 33 00-0203	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	95.09
32 93 33 00-0204	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	145.28
32 93 33 00-0205	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	165.09
32 93 33 00-0206	EA	1 Gallon Hedychium gardnerum - Variegated Ginger	2.81
32 93 33 00-0207	EA	3 Gallon Hedychium gardnerum - Variegated Ginger	9.87
32 93 33 00-0208	EA	5 Gallon Hedychium gardnerum - Variegated Ginger	18.98
32 93 33 00-0209	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	7.20
32 93 33 00-0210	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	12.15
32 93 33 00-0211	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	18.38
32 93 33 00-0212	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	19.01
32 93 33 00-0213	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	16.17
32 93 33 00-0214	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	21.85
32 93 33 00-0215	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	31.57
32 93 33 00-0216	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	43.63
32 93 33 00-0217	EA	2 Gallon Hydrangea - Blue Hydrangea	13.41
32 93 33 00-0218	EA	5 Gallon Hydrangea - Blue Hydrangea	18.87
32 93 33 00-0219	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	21.07
32 93 33 00-0220	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	24.05
32 93 33 00-0221	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	13.41
32 93 33 00-0222	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	23.11
32 93 33 00-0223	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	25.09
32 93 33 00-0224	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	29.06
32 93 33 00-0225	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	30.38
32 93 33 00-0226	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	23.77
32 93 33 00-0227	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	31.70
32 93 33 00-0228	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	13.87
32 93 33 00-0229	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	16.51
32 93 33 00-0230	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	14.20
32 93 33 00-0231	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	15.19
32 93 33 00-0232	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	17.17
32 93 33 00-0233	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	19.81
32 93 33 00-0234	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	26.41
32 93 33 00-0235	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	19.15
32 93 33 00-0236	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	21.79
32 93 33 00-0237	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	25.75
32 93 33 00-0238	EA	2 Gallon Hypericum kalmianum - St. John's Wort	13.41
32 93 33 00-0239	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	15.85
32 93 33 00-0240	EA	24" B&B Hypericum kalmianum - Kalm St. John's Wort	17.17
32 93 33 00-0241	EA	1 Gallon Ilex "Carissa" - Holly	6.81
32 93 33 00-0242	EA	2 Gallon Ilex "Carissa" - Holly	13.41
32 93 33 00-0243	EA	5 Gallon Ilex "Carissa" - Holly	18.87
32 93 33 00-0244	EA	18" To 24" Ilex - Gulfside Sweet Holly	18.09
32 93 33 00-0245	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	22.91
32 93 33 00-0246	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	29.72
32 93 33 00-0247	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	36.11
32 93 33 00-0248	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	13.51
32 93 33 00-0249	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	6.81
32 93 33 00-0250	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0251	EA	5	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	19.44	
32 93 33 00-0252	EA	1	Gallon Ilex crenata - Hellers Japanese Holly.....	6.81	
32 93 33 00-0253	EA	2	Gallon Ilex crenata - Hellers Japanese Holly.....	14.90	
32 93 33 00-0254	EA	3	Gallon Ilex crenata - Hellers Japanese Holly.....	19.44	
32 93 33 00-0255	EA	2	Gallon Ilex crenata - Hetzi Japanese Holly.....	14.90	
32 93 33 00-0256	EA	3	Gallon Ilex crenata - Hetzi Japanese Holly.....	17.95	
32 93 33 00-0257	EA	2	To 3' Ilex crenata - Hetzi Japanese Holly.....	36.11	
32 93 33 00-0258	EA	3	To 4' Ilex crenata - Hetzi Japanese Holly.....	48.17	
32 93 33 00-0259	EA	2	To 3' Ilex opaca - American Holly.....	48.17	
32 93 33 00-0260	EA	3	To 4' Ilex opaca - American Holly.....	79.74	
32 93 33 00-0261	EA	4	To 5' Ilex opaca - American Holly.....	102.30	
32 93 33 00-0262	EA	5	To 6' Ilex opaca - American Holly.....	123.36	
32 93 33 00-0263	EA	6	To 7' Ilex opaca - American Holly.....	173.02	
32 93 33 00-0264	EA	7	To 8' Ilex opaca - American Holly.....	240.77	
32 93 33 00-0265	EA	8	To 10' Ilex opaca - American Holly.....	346.04	
32 93 33 00-0266	EA	10	To 12' Ilex opaca - American Holly.....	526.66	
32 93 33 00-0267	EA	12	To 14' Ilex opaca - American Holly.....	639.45	
32 93 33 00-0268	EA	14	To 16' Ilex opaca - American Holly.....	789.91	
32 93 33 00-0269	EA	2	To 3' Ilex verticillata - Winterberry (Female).....	48.17	
32 93 33 00-0270	EA	3	To 4' Ilex verticillata - Winterberry (Female).....	63.21	
32 93 33 00-0271	EA	2	To 3' Ilex verticillata - Winterberry (Male).....	39.09	
32 93 33 00-0272	EA	3	To 4' Ilex verticillata - Winterberry (Male).....	54.20	
32 93 33 00-0273	EA	4	To 5' Ilex verticillata - Winterberry (Male).....	63.21	
32 93 33 00-0274	EA	1	Gallon Ilex vomitoria - Yaupon Holly.....	6.38	
32 93 33 00-0275	EA	3	Gallon Ilex vomitoria - Yaupon Holly.....	12.84	
32 93 33 00-0276	EA	10	Gallon Ilex vomitoria - Yaupon Holly.....	45.12	
32 93 33 00-0277	EA	18"	B&B Ilex glabra compacta & cvs - Compact Inkberry Holly.....	20.47	
32 93 33 00-0278	EA	24"	B&B Ilex glabra compacta & cvs - Compact Inkberry Holly.....	23.11	
32 93 33 00-0279	EA	3	Gallon Ilex meserveae & cvs - Blue Holly.....	26.41	
32 93 33 00-0280	EA	18"	B&B Ilex meserveae & cvs - Blue Holly.....	24.43	
32 93 33 00-0281	EA	24"	B&B Ilex meserveae & cvs - Blue Holly.....	29.72	
32 93 33 00-0282	EA	5	Gallon Ilex verticillata & cvs - Common Winterberry.....	21.79	
32 93 33 00-0283	EA	24"	B&B Ilex verticillata & cvs - Common Winterberry.....	21.79	
32 93 33 00-0284	EA	30"	B&B Ilex verticillata & cvs - Common Winterberry.....	23.11	
32 93 33 00-0285	EA	36"	B&B Ilex verticillata & cvs - Common Winterberry.....	27.73	
32 93 33 00-0286	EA	42"	B&B Ilex verticillata & cvs - Common Winterberry.....	31.04	
32 93 33 00-0287	EA	48"	B&B Ilex verticillata & cvs - Common Winterberry.....	33.02	
32 93 33 00-0288	EA	60"	B&B Ilex verticillata & cvs - Common Winterberry.....	42.26	
32 93 33 00-0289	EA	4'	To 5' Ilex x attenuata "Foster" - Holly.....	78.25	
32 93 33 00-0290	EA	5'	To 6' Ilex x attenuata "Foster" - Holly.....	103.78	
32 93 33 00-0291	EA	6'	To 7' Ilex x attenuata "Foster" - Holly.....	92.86	
32 93 33 00-0292	EA	7'	To 8' Ilex x attenuata "Foster" - Holly.....	180.54	
32 93 33 00-0293	EA	1	Gallon Jasminum - Jasmine.....	1.75	
32 93 33 00-0294	EA	3	Gallon Jasminum - Jasmine.....	6.83	
32 93 33 00-0295	EA	3	Gallon Jasminum - Orange Jasmine.....	5.32	
32 93 33 00-0296	EA	4'	- 5' Jasminum - Orange Jasmine.....	60.75	
32 93 33 00-0297	EA	6'	- 7' Jasminum - Orange Jasmine.....	121.50	
32 93 33 00-0298	EA	8'	- 10' Jasminum - Orange Jasmine.....	164.03	
32 93 33 00-0299	EA	3	Gallon Juniperus chinensis cvs - Chinese Juniper.....	23.11	
32 93 33 00-0300	EA	5	Gallon Juniperus chinensis cvs - Chinese Juniper.....	25.75	
32 93 33 00-0301	EA	18"	B&B Juniperus chinensis cvs - Chinese Juniper.....	34.34	
32 93 33 00-0302	EA	24"	B&B Juniperus chinensis cvs - Chinese Juniper.....	44.90	
32 93 33 00-0303	EA	30"	B&B Juniperus chinensis cvs - Chinese Juniper.....	52.83	
32 93 33 00-0304	EA	36"	B&B Juniperus chinensis cvs - Chinese Juniper.....	71.32	
32 93 33 00-0305	EA	48"	B&B Juniperus chinensis cvs - Chinese Juniper.....	97.73	
32 93 33 00-0306	EA	1	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	11.01	
32 93 33 00-0307	EA	3	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	23.11	
32 93 33 00-0308	EA	5	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	25.75	
32 93 33 00-0309	EA	15"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	27.73	
32 93 33 00-0310	EA	18"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	30.38	
32 93 33 00-0311	EA	24"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	36.98	
32 93 33 00-0312	EA	30"	B&B Juniperus horizontalis cvs - Creeping Juniper.....	44.90	
32 93 33 00-0313	EA	3	Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	17.83	
32 93 33 00-0314	EA	18"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	21.13	
32 93 33 00-0315	EA	24"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	29.06	
32 93 33 00-0316	EA	30"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	36.98	
32 93 33 00-0317	EA	36"	B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	44.90	
32 93 33 00-0318	EA	3	Gallon Juniperus sabina cvs - Savin Juniper.....	16.51	
32 93 33 00-0319	EA	5	Gallon Juniperus sabina cvs - Savin Juniper.....	19.81	
32 93 33 00-0320	EA	4	Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	17.17	
32 93 33 00-0321	EA	36"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	33.02	
32 93 33 00-0322	EA	48"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	51.51	
32 93 33 00-0323	EA	60"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	64.71	
32 93 33 00-0324	EA	15"	To 18" Kalmia latifolia - Mountain Laurel.....	27.10	
32 93 33 00-0325	EA	18"	To 24" Kalmia latifolia - Mountain Laurel.....	36.11	
32 93 33 00-0326	EA	2'	To 3' Kalmia latifolia - Mountain Laurel.....	52.64	
32 93 33 00-0327	EA	4'	To 5' Kalmia latifolia - Mountain Laurel.....	96.26	
32 93 33 00-0328	EA	5'	To 6' Kalmia latifolia - Mountain Laurel.....	147.48	
32 93 33 00-0329	EA	6'	To 8' Kalmia latifolia - Mountain Laurel.....	225.73	
32 93 33 00-0330	EA	1	Gallon Kerria japonica - Kerria.....	6.03	
32 93 33 00-0331	EA	5	Gallon Kerria japonica - Kerria.....	18.87	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0332	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush.....	19.15	
32 93 33 00-0333	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush.....	21.79	
32 93 33 00-0334	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush.....	23.77	
32 93 33 00-0335	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush.....	27.73	
32 93 33 00-0336	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush.....	31.70	
32 93 33 00-0337	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush.....	39.62	
32 93 33 00-0338	EA	1 Gallon Lagerstroemia indica - Crepe Myrtle.....	4.54	
32 93 33 00-0339	EA	5 Gallon Lagerstroemia indica - Crepe Myrtle.....	16.17	
32 93 33 00-0340	EA	3' To 4' Lagerstroemia indica - Crepe Myrtle.....	22.56	
32 93 33 00-0341	EA	4' To 5' Lagerstroemia indica - Crepe Myrtle.....	33.13	
32 93 33 00-0342	EA	5' To 6' Lagerstroemia indica - Crepe Myrtle.....	52.64	
32 93 33 00-0343	EA	7' To 8' Lagerstroemia indica - Crepe Myrtle.....	68.35	
32 93 33 00-0344	EA	9' To 10' Lagerstroemia indica - Crepe Myrtle.....	91.13	
32 93 33 00-0345	EA	11' To 12' Lagerstroemia indica - Crepe Myrtle.....	189.85	
32 93 33 00-0346	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe.....	6.81	
32 93 33 00-0347	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe.....	14.90	
32 93 33 00-0348	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe.....	17.95	
32 93 33 00-0349	EA	1 Gallon Ligustrum lucidum - Glossy Privet.....	4.19	
32 93 33 00-0350	EA	5 Gallon Ligustrum lucidum - Glossy Privet.....	12.84	
32 93 33 00-0351	EA	15 Gallon Ligustrum lucidum - Glossy Privet.....	60.16	
32 93 33 00-0352	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	4.19	
32 93 33 00-0353	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	9.01	
32 93 33 00-0354	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	11.71	
32 93 33 00-0355	EA	36" B&B Ligustrum vulgare & cvs - Common Privet.....	19.81	
32 93 33 00-0356	EA	48" B&B Ligustrum vulgare & cvs - Common Privet.....	29.06	
32 93 33 00-0357	EA	60" B&B Ligustrum vulgare & cvs - Common Privet.....	36.98	
32 93 33 00-0358	EA	72" B&B Ligustrum vulgare & cvs - Common Privet.....	42.26	
32 93 33 00-0359	EA	5 Gallon Lindera benzoin - Spicebush.....	21.79	
32 93 33 00-0360	EA	36" B&B Lindera benzoin - Spicebush.....	18.49	
32 93 33 00-0361	EA	48" B&B Lindera benzoin - Spicebush.....	22.45	
32 93 33 00-0362	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle.....	36.11	
32 93 33 00-0363	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle.....	43.63	
32 93 33 00-0364	EA	30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	19.81	
32 93 33 00-0365	EA	36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	23.77	
32 93 33 00-0366	EA	42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	26.41	
32 93 33 00-0367	EA	48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	29.06	
32 93 33 00-0368	EA	1 Gallon Myrica cerifera - Wax Myrtle.....	3.80	
32 93 33 00-0369	EA	4 Gallon Myrica cerifera - Wax Myrtle.....	12.15	
32 93 33 00-0370	EA	7 Gallon Myrica cerifera - Wax Myrtle.....	26.58	
32 93 33 00-0371	EA	10 Gallon Myrica cerifera - Wax Myrtle.....	39.49	
32 93 33 00-0372	EA	15 Gallon Myrica cerifera - Wax Myrtle.....	60.75	
32 93 33 00-0373	EA	45 Gallon Myrica cerifera - Wax Myrtle.....	182.26	
32 93 33 00-0374	EA	1' - 2' Myrica cerifera - Wax Myrtle.....	5.32	
32 93 33 00-0375	EA	3' - 4' Myrica cerifera - Wax Myrtle.....	18.23	
32 93 33 00-0376	EA	5' - 6' Myrica cerifera - Wax Myrtle.....	33.41	
32 93 33 00-0377	EA	7' - 8' Myrica cerifera - Wax Myrtle.....	45.56	
32 93 33 00-0378	EA	9' - 10' Myrica cerifera - Wax Myrtle.....	60.75	
32 93 33 00-0379	EA	11' - 12' Myrica cerifera - Wax Myrtle.....	92.65	
32 93 33 00-0380	EA	3 Gallon Myrica pensylvanica - Northern Bayberry.....	19.81	
32 93 33 00-0381	EA	24" B&B Myrica pensylvanica - Northern Bayberry.....	32.36	
32 93 33 00-0382	EA	30" B&B Myrica pensylvanica - Northern Bayberry.....	47.54	
32 93 33 00-0383	EA	36" B&B Myrica pensylvanica - Northern Bayberry.....	56.79	
32 93 33 00-0384	EA	48" B&B Myrica pensylvanica - Northern Bayberry.....	59.43	
32 93 33 00-0385	EA	1 Gallon Nandina domestica - Heavenly Bamboo.....	6.81	
32 93 33 00-0386	EA	2 Gallon Nandina domestica - Heavenly Bamboo.....	14.90	
32 93 33 00-0387	EA	5 Gallon Nandina domestica - Heavenly Bamboo.....	22.56	
32 93 33 00-0388	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive.....	4.19	
32 93 33 00-0389	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive.....	11.35	
32 93 33 00-0390	EA	1 Gallon Philadelphus - Evergreen Mockorange.....	5.82	
32 93 33 00-0391	EA	5 Gallon Philadelphus - Evergreen Mockorange.....	18.87	
32 93 33 00-0392	EA	36" B&B Philadelphus x virginialis & cvs - Mockorange.....	19.81	
32 93 33 00-0393	EA	42" B&B Philadelphus x virginialis & cvs - Mockorange.....	23.11	
32 93 33 00-0394	EA	48" B&B Philadelphus x virginialis & cvs - Mockorange.....	26.41	
32 93 33 00-0395	EA	24" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	19.81	
32 93 33 00-0396	EA	30" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	23.11	
32 93 33 00-0397	EA	36" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	26.41	
32 93 33 00-0398	EA	42" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	33.02	
32 93 33 00-0399	EA	48" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	39.62	
32 93 33 00-0400	EA	12" To 15" Spread Pieris - Mountain Andromeda.....	18.23	
32 93 33 00-0401	EA	15" To 18" Spread Pieris - Mountain Andromeda.....	39.09	
32 93 33 00-0402	EA	12" To 15" Pieris japonica - Japanese Andromeda.....	23.69	
32 93 33 00-0403	EA	15" To 18" Pieris japonica - Japanese Andromeda.....	27.10	
32 93 33 00-0404	EA	18" To 24" Pieris japonica - Japanese Andromeda.....	33.91	
32 93 33 00-0405	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda.....	48.17	
32 93 33 00-0406	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda.....	57.18	
32 93 33 00-0407	EA	24" B&B Pinus mugo & cvs - Mugo Pine.....	33.02	
32 93 33 00-0408	EA	30" B&B Pinus mugo & cvs - Mugo Pine.....	42.26	
32 93 33 00-0409	EA	36" B&B Pinus mugo & cvs - Mugo Pine.....	50.85	
32 93 33 00-0410	EA	48" B&B Pinus mugo & cvs - Mugo Pine.....	65.37	
32 93 33 00-0411	EA	60" B&B Pinus mugo & cvs - Mugo Pine.....	78.58	
32 93 33 00-0412	EA	72" B&B Pinus mugo & cvs - Mugo Pine.....	114.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0413	EA			30" B&B Pinus mugo compacta - Dwarf Mugo Pine	71.32	
32 93 33 00-0414	EA			36" B&B Pinus mugo compacta - Dwarf Mugo Pine	85.85	
32 93 33 00-0415	EA			48" B&B Pinus mugo compacta - Dwarf Mugo Pine	114.24	
32 93 33 00-0416	EA			1 Gallon Pittosporum - Pittosporum	2.51	
32 93 33 00-0417	EA			3 Gallon Pittosporum - Pittosporum	6.45	
32 93 33 00-0418	EA			1 Gallon Pittosporum - Varigated Pittosporum	2.51	
32 93 33 00-0419	EA			3 Gallon Pittosporum - Varigated Pittosporum	6.45	
32 93 33 00-0420	EA			5 Gallon Pittosporum - Varigated Pittosporum	11.32	
32 93 33 00-0421	EA			2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	11.23	
32 93 33 00-0422	EA			5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	15.85	
32 93 33 00-0423	EA			18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	11.89	
32 93 33 00-0424	EA			24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	13.21	
32 93 33 00-0425	EA			30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	19.15	
32 93 33 00-0426	EA			36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	22.12	
32 93 33 00-0427	EA			1 Gallon Prunus caroliniana - Carolina Cherry Laurel	4.54	
32 93 33 00-0428	EA			3 Gallon Prunus caroliniana - Carolina Cherry Laurel	11.35	
32 93 33 00-0429	EA			15 Gallon Prunus caroliniana - Carolina Cherry Laurel	67.68	
32 93 33 00-0430	EA			15" To 18" Prunus laurocerasus - Cherry Laurel	17.31	
32 93 33 00-0431	EA			18" To 24" Prunus laurocerasus - Cherry Laurel	21.42	
32 93 33 00-0432	EA			24" To 30" Prunus laurocerasus - Cherry Laurel	27.88	
32 93 33 00-0433	EA			15" To 18" Prunus triloba - Double White Flowering Almond	15.46	
32 93 33 00-0434	EA			18" To 24" Prunus triloba - Double White Flowering Almond	19.79	
32 93 33 00-0435	EA			3' To 4' Prunus triloba - Double White Flowering Almond	31.57	
32 93 33 00-0436	EA			4' To 6' Prunus triloba - Double White Flowering Almond	63.21	
32 93 33 00-0437	EA			5 Gallon Prunus triloba - Pink Flowering Almond	19.01	
32 93 33 00-0438	EA			18" To 24" Prunus triloba - Pink Flowering Almond	21.35	
32 93 33 00-0439	EA			2' To 3' Prunus triloba - Pink Flowering Almond	24.83	
32 93 33 00-0440	EA			2' To 3' Prunus virginiana - Brilliant Chokeberry	16.88	
32 93 33 00-0441	EA			3' To 4' Prunus virginiana - Brilliant Chokeberry	20.71	
32 93 33 00-0442	EA			4' To 5' Prunus virginiana - Brilliant Chokeberry	24.83	
32 93 33 00-0443	EA			5' To 6' Prunus virginiana - Brilliant Chokeberry	28.45	
32 93 33 00-0444	EA			1 Gallon Punica granatum - Dwarf Pomegranate	4.47	
32 93 33 00-0445	EA			3 Gallon Punica granatum - Dwarf Pomegranate	13.20	
32 93 33 00-0446	EA			7 Gallon Punica granatum - Dwarf Pomegranate	27.10	
32 93 33 00-0447	EA			1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	5.68	
32 93 33 00-0448	EA			5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	18.87	
32 93 33 00-0449	EA			5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	39.09	
32 93 33 00-0450	EA			1 Gallon Ralphialepis indica - Indian Hawthorne	4.54	
32 93 33 00-0451	EA			2 Gallon Ralphialepis indica - Indian Hawthorne	8.65	
32 93 33 00-0452	EA			5 Gallon Ralphialepis indica - Indian Hawthorne	15.39	
32 93 33 00-0453	EA			4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	34.62	
32 93 33 00-0454	EA			5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	47.46	
32 93 33 00-0455	EA			6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	61.72	
32 93 33 00-0456	EA			10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	112.86	
32 93 33 00-0457	EA			1 Gallon Rhododendron - Azalea Evergreen Hybrids	7.38	
32 93 33 00-0458	EA			2 Gallon Rhododendron - Azalea Evergreen Hybrids	14.90	
32 93 33 00-0459	EA			3 Gallon Rhododendron - Azalea Evergreen Hybrids	19.44	
32 93 33 00-0460	EA			5 Gallon Rhododendron - Azalea Evergreen Hybrids	22.56	
32 93 33 00-0461	EA			15" To 18" Rhododendron - Azalea Evergreen Hybrids	26.39	
32 93 33 00-0462	EA			18" To 24" Rhododendron - Azalea Evergreen Hybrids	33.13	
32 93 33 00-0463	EA			2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	48.17	
32 93 33 00-0464	EA			2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	67.68	
32 93 33 00-0465	EA			1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	8.30	
32 93 33 00-0466	EA			2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	14.90	
32 93 33 00-0467	EA			15" To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	25.61	
32 93 33 00-0468	EA			18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	33.13	
32 93 33 00-0469	EA			2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.17	
32 93 33 00-0470	EA			3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	70.73	
32 93 33 00-0471	EA			4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	94.78	
32 93 33 00-0472	EA			5 Gallon Rhododendron - Boxleaf Azara	18.87	
32 93 33 00-0473	EA			15 Gallon Rhododendron - Boxleaf Azara	67.68	
32 93 33 00-0474	EA			15" To 18" Rhododendron - Carolina Rhododendron	21.35	
32 93 33 00-0475	EA			18" To 24" Rhododendron - Carolina Rhododendron	37.60	
32 93 33 00-0476	EA			24" To 30" Rhododendron - Carolina Rhododendron	55.69	
32 93 33 00-0477	EA			2' To 3' Rhododendron - Five-leafed Azalea	25.33	
32 93 33 00-0478	EA			3' To 4' Rhododendron - Five-leafed Azalea	33.13	
32 93 33 00-0479	EA			4' To 5' Rhododendron - Five-leafed Azalea	43.63	
32 93 33 00-0480	EA			15" To 18" Rhododendron - Ghent Azalea	25.33	
32 93 33 00-0481	EA			18" To 24" Rhododendron - Ghent Azalea	31.57	
32 93 33 00-0482	EA			2' To 3' Rhododendron - Ghent Azalea	51.15	
32 93 33 00-0483	EA			3' To 4' Rhododendron - Ghent Azalea	70.73	
32 93 33 00-0484	EA			4' To 5' Rhododendron - Ghent Azalea	94.78	
32 93 33 00-0485	EA			5' To 6' Rhododendron - Ghent Azalea	126.41	
32 93 33 00-0486	EA			1 Gallon Rhododendron - Hybrid Rhododendron	8.30	
32 93 33 00-0487	EA			2 Gallon Rhododendron - Hybrid Rhododendron	17.95	
32 93 33 00-0488	EA			3 Gallon Rhododendron - Hybrid Rhododendron	25.47	
32 93 33 00-0489	EA			5 Gallon Rhododendron - Hybrid Rhododendron	28.45	
32 93 33 00-0490	EA			15" To 18" Rhododendron - Hybrid Rhododendron	24.05	
32 93 33 00-0491	EA			18" To 24" Rhododendron - Hybrid Rhododendron	33.13	
32 93 33 00-0492	EA			24" To 30" Rhododendron - Hybrid Rhododendron	45.12	
32 93 33 00-0493	EA			30" To 36" Rhododendron - Hybrid Rhododendron	52.64	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0494	EA	36" To 42" Rhododendron - Hybrid Rhododendron	75.27	
32 93 33 00-0495	EA	42" To 48" Rhododendron - Hybrid Rhododendron	93.29	
32 93 33 00-0496	EA	15" To 18" Rhododendron - Pjm Rhododendron.....	27.10	
32 93 33 00-0497	EA	18" To 24" Rhododendron - Pjm Rhododendron.....	33.13	
32 93 33 00-0498	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	48.17	
32 93 33 00-0499	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	61.72	
32 93 33 00-0500	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	75.27	
32 93 33 00-0501	EA	12" To 15" Rhododendron - Torch Azalea	21.07	
32 93 33 00-0502	EA	15" To 18" Rhododendron - Torch Azalea	25.33	
32 93 33 00-0503	EA	18" To 24" Rhododendron - Torch Azalea	31.57	
32 93 33 00-0504	EA	2' To 3' Rhododendron - Torch Azalea	52.64	
32 93 33 00-0505	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	23.77	
32 93 33 00-0506	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	29.06	
32 93 33 00-0507	EA	18" B&B Rhododendron cvs - Lepidote Rhododendron.....	35.66	
32 93 33 00-0508	EA	24" B&B Rhododendron cvs - Lepidote Rhododendron.....	44.90	
32 93 33 00-0509	EA	30" B&B Rhododendron cvs - Lepidote Rhododendron.....	52.83	
32 93 33 00-0510	EA	36" B&B Rhododendron cvs - Lepidote Rhododendron.....	63.39	
32 93 33 00-0511	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	6.81	
32 93 33 00-0512	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	18.87	
32 93 33 00-0513	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	15.85	
32 93 33 00-0514	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	21.79	
32 93 33 00-0515	EA	18" B&B Rhus aromatica & cvs - Fragrant Sumac.....	25.09	
32 93 33 00-0516	EA	24" B&B Rhus aromatica & cvs - Fragrant Sumac.....	33.02	
32 93 33 00-0517	EA	36" B&B Rhus glabra - Smooth Sumac.....	19.81	
32 93 33 00-0518	EA	48" B&B Rhus typhina & cvs - Staghorn Sumac.....	33.02	
32 93 33 00-0519	EA	72" B&B Rhus typhina & cvs - Staghorn Sumac.....	52.83	
32 93 33 00-0520	EA	15" B&B Ribes alpinum & cvs - Alpine Currant.....	17.83	
32 93 33 00-0521	EA	18" B&B Ribes alpinum & cvs - Alpine Currant.....	20.47	
32 93 33 00-0522	EA	24" B&B Ribes alpinum & cvs - Alpine Currant.....	29.72	
32 93 33 00-0523	EA	30" B&B Ribes alpinum & cvs - Alpine Currant.....	39.62	
32 93 33 00-0524	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose.....	10.90	
32 93 33 00-0525	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose.....	13.21	
32 93 33 00-0526	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose.....	16.51	
32 93 33 00-0527	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	11.89	
32 93 33 00-0528	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	15.19	
32 93 33 00-0529	EA	5 Gallon Sambucus canadensis - American Elder.....	21.79	
32 93 33 00-0530	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	9.79	
32 93 33 00-0531	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	14.33	
32 93 33 00-0532	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	5.32	
32 93 33 00-0533	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	13.90	
32 93 33 00-0534	EA	1 Gallon Skimmia japonica - Japanese Skimmia.....	6.81	
32 93 33 00-0535	EA	2 Gallon Skimmia japonica - Japanese Skimmia.....	13.55	
32 93 33 00-0536	EA	5 Gallon Skimmia japonica - Japanese Skimmia.....	21.85	
32 93 33 00-0537	EA	3' To 4' Spiraea - Garland Spirea.....	31.57	
32 93 33 00-0538	EA	4' To 5' Spiraea - Garland Spirea.....	48.17	
32 93 33 00-0539	EA	5 Gallon Spiraea - Snowmound Spirea.....	18.87	
32 93 33 00-0540	EA	18" To 24" Spiraea - Snowmound Spirea	15.46	
32 93 33 00-0541	EA	2' To 3' Spiraea - Snowmound Spirea.....	21.85	
32 93 33 00-0542	EA	3' To 4' Spiraea - Snowmound Spirea.....	25.33	
32 93 33 00-0543	EA	4' To 5' Spiraea - Snowmound Spirea.....	43.63	
32 93 33 00-0544	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	6.81	
32 93 33 00-0545	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	13.41	
32 93 33 00-0546	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	15.52	
32 93 33 00-0547	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	16.84	
32 93 33 00-0548	EA	18" B&B Spiraea japonica & cvs - Japanese Spirea	17.17	
32 93 33 00-0549	EA	24" B&B Spiraea japonica & cvs - Japanese Spirea	19.81	
32 93 33 00-0550	EA	30" B&B Spiraea japonica & cvs - Japanese Spirea	22.45	
32 93 33 00-0551	EA	36" B&B Spiraea japonica & cvs - Japanese Spirea	26.08	
32 93 33 00-0552	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	10.57	
32 93 33 00-0553	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	15.85	
32 93 33 00-0554	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	14.53	
32 93 33 00-0555	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	17.17	
32 93 33 00-0556	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	19.81	
32 93 33 00-0557	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	22.45	
32 93 33 00-0558	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	29.06	
32 93 33 00-0559	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	6.81	
32 93 33 00-0560	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.22	
32 93 33 00-0561	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	15.85	
32 93 33 00-0562	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	13.87	
32 93 33 00-0563	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	16.84	
32 93 33 00-0564	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	19.81	
32 93 33 00-0565	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	22.45	
32 93 33 00-0566	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0567	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0568	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	18.49	
32 93 33 00-0569	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.09	
32 93 33 00-0570	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.06	
32 93 33 00-0571	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.34	
32 93 33 00-0572	EA	5 Gallon Staphylea trifolia - Bladdernut.....	22.29	
32 93 33 00-0573	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	15.85	
32 93 33 00-0574	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	17.17	



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0575	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	19.81	
32 93 33 00-0576	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	23.77	
32 93 33 00-0577	EA	2 Gallon Symphoricarpos albus - Common Snowberry	16.51	
32 93 33 00-0578	EA	5 Gallon Symphoricarpos albus - Common Snowberry	17.50	
32 93 33 00-0579	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	29.06	
32 93 33 00-0580	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	36.32	
32 93 33 00-0581	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	42.26	
32 93 33 00-0582	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	48.87	
32 93 33 00-0583	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	29.06	
32 93 33 00-0584	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	31.70	
32 93 33 00-0585	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	36.32	
32 93 33 00-0586	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	42.26	
32 93 33 00-0587	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	48.87	
32 93 33 00-0588	EA	60" B&B Syringa villosa & cvs - Late Lilac	23.11	
32 93 33 00-0589	EA	72" B&B Syringa villosa & cvs - Late Lilac	25.09	
32 93 33 00-0590	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	19.81	
32 93 33 00-0591	EA	42" B&B Syringa vulgaris & cvs - Common Lilac	22.45	
32 93 33 00-0592	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	25.09	
32 93 33 00-0593	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	29.06	
32 93 33 00-0594	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	35.66	
32 93 33 00-0595	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51	
32 93 33 00-0596	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	19.15	
32 93 33 00-0597	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	25.09	
32 93 33 00-0598	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00	
32 93 33 00-0599	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54	
32 93 33 00-0600	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43	
32 93 33 00-0601	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84	
32 93 33 00-0602	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73	
32 93 33 00-0603	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32	
32 93 33 00-0604	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26	
32 93 33 00-0605	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22	
32 93 33 00-0606	EA	15" B&B Taxus x media & cvs - Anglojap Yew	27.73	
32 93 33 00-0607	EA	18" B&B Taxus x media & cvs - Anglojap Yew	36.32	
32 93 33 00-0608	EA	24" B&B Taxus x media & cvs - Anglojap Yew	42.92	
32 93 33 00-0609	EA	30" B&B Taxus x media & cvs - Anglojap Yew	50.85	
32 93 33 00-0610	EA	36" B&B Taxus x media & cvs - Anglojap Yew	76.80	
32 93 33 00-0611	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	42.26	
32 93 33 00-0612	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	56.79	
32 93 33 00-0613	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	85.85	
32 93 33 00-0614	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	125.47	
32 93 33 00-0615	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	143.96	
32 93 33 00-0616	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	167.07	
32 93 33 00-0617	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	18.49	
32 93 33 00-0618	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	25.75	
32 93 33 00-0619	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	36.32	
32 93 33 00-0620	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	31.57	
32 93 33 00-0621	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	48.17	
32 93 33 00-0622	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	63.21	
32 93 33 00-0623	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	3.83	
32 93 33 00-0624	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	10.50	
32 93 33 00-0625	EA	5 Gallon Viburnum plicatum - Japanese Snowball	18.87	
32 93 33 00-0626	EA	5' To 6' Viburnum plicatum - Japanese Snowball	70.73	
32 93 33 00-0627	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	33.13	
32 93 33 00-0628	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	39.09	
32 93 33 00-0629	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	54.98	
32 93 33 00-0630	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32	
32 93 33 00-0631	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58	
32 93 33 00-0632	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02	
32 93 33 00-0633	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62	
32 93 33 00-0634	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22	
32 93 33 00-0635	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83	
32 93 33 00-0636	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49	
32 93 33 00-0637	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81	
32 93 33 00-0638	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11	
32 93 33 00-0639	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41	
32 93 33 00-0640	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06	
32 93 33 00-0641	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83	
32 93 33 00-0642	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81	
32 93 33 00-0643	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09	
32 93 33 00-0644	EA	48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06	
32 93 33 00-0645	EA	60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62	
32 93 33 00-0646	EA	72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54	
32 93 33 00-0647	EA	36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	19.81	
32 93 33 00-0648	EA	48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	26.41	
32 93 33 00-0649	EA	5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02	
32 93 33 00-0650	EA	6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22	
32 93 33 00-0651	EA	7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03	
32 93 33 00-0652	EA	8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45	
32 93 33 00-0653	EA	9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86	
32 93 33 00-0654	EA	30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77	
32 93 33 00-0655	EA	36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0656	EA	36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54
32 93 33 00-0657	EA	48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64
32 93 33 00-0658	EA	60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45
32 93 33 00-0659	EA	72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26
32 93 33 00-0660	EA	84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67
32 93 33 00-0661	EA	96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	165.09
32 93 33 00-0662	EA	108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	198.10
32 93 33 00-0663	EA	120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	231.12
32 93 33 00-0664	EA	30" B&B Viburnum sargentii & cvs - Sargent Viburnum	20.14
32 93 33 00-0665	EA	36" B&B Viburnum sargentii & cvs - Sargent Viburnum	22.12
32 93 33 00-0666	EA	48" B&B Viburnum sargentii & cvs - Sargent Viburnum	25.09
32 93 33 00-0667	EA	60" B&B Viburnum sargentii & cvs - Sargent Viburnum	29.06
32 93 33 00-0668	EA	72" B&B Viburnum sargentii & cvs - Sargent Viburnum	33.35
32 93 33 00-0669	EA	18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	19.15
32 93 33 00-0670	EA	24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	23.11
32 93 33 00-0671	EA	30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	27.73
32 93 33 00-0672	EA	36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	31.70
32 93 33 00-0673	EA	42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	38.30
32 93 33 00-0674	EA	48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	42.26
32 93 33 00-0675	EA	30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	33.02
32 93 33 00-0676	EA	36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	39.62
32 93 33 00-0677	EA	42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	46.22
32 93 33 00-0678	EA	48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	52.83
32 93 33 00-0679	EA	60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	59.43
32 93 33 00-0680	EA	30" B&B Viburnum x juddii & cvs - Judd Viburnum	42.26
32 93 33 00-0681	EA	36" B&B Viburnum x juddii & cvs - Judd Viburnum	47.54
32 93 33 00-0682	EA	42" B&B Viburnum x juddii & cvs - Judd Viburnum	54.15
32 93 33 00-0683	EA	48" B&B Viburnum x juddii & cvs - Judd Viburnum	62.07
32 93 33 00-0684	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	39.09
32 93 33 00-0685	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	48.17
32 93 33 00-0686	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	70.73
32 93 33 00-0687	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	21.79
32 93 33 00-0688	EA	24" B&B Weigela florida & cvs - Old Fashioned Weigela	19.81
32 93 33 00-0689	EA	30" B&B Weigela florida & cvs - Old Fashioned Weigela	22.45
32 93 33 00-0690	EA	36" B&B Weigela florida & cvs - Old Fashioned Weigela	25.09
32 93 33 00-0691	EA	42" B&B Weigela florida & cvs - Old Fashioned Weigela	29.06
32 93 33 00-0692	EA	48" B&B Weigela florida & cvs - Old Fashioned Weigela	33.02
32 93 33 00-0693	EA	1 Gallon Xylosma congestum - Shiny Xylosma	4.54
32 93 33 00-0694	EA	5 Gallon Xylosma congestum - Shiny Xylosma	12.84
32 93 33 00-0695	EA	15 Gallon Xylosma congestum - Shiny Xylosma	56.47
32 93 33 00-0696	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	3.83
32 93 33 00-0697	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	10.14
32 93 33 00-0698	EA	1 Gallon Yucca filamentosa - Adams Needle	5.32
32 93 33 00-0699	EA	3 Gallon Yucca filamentosa - Adams Needle	10.36
32 93 33 00-0700	EA	5 Gallon Yucca filamentosa - Adams Needle	16.39
32 93 33 00-0701	EA	18" To 24" Euonymus Alatus - Winged Burning Bush	21.07
32 93 33 00-0702	EA	2' To 2-1/2' Euonymus Alatus - Winged Burning Bush	24.83
32 93 33 00-0703	EA	2-1/2' To 3' Euonymus Alatus - Winged Burning Bush	33.91
32 93 33 00-0704	EA	3' To 3-1/2' Euonymus Alatus - Winged Burning Bush	40.65
32 93 33 00-0705	EA	3-1/2' To 4' Euonymus Alatus - Winged Burning Bush	51.15
32 93 33 00-0706	EA	4' To 5' Euonymus Alatus - Winged Burning Bush	72.22
32 93 33 00-0707	EA	5' To 6' Euonymus Alatus - Winged Burning Bush	90.31
32 93 33 00-0708	EA	6' To 8' Euonymus Alatus - Winged Burning Bush	105.35
32 93 33 00-0709	EA	15" To 18" Euonymus Alatus - Dwarf Winged Burning Bush	21.07
32 93 33 00-0710	EA	18" To 24" Euonymus Alatus - Dwarf Winged Burning Bush	24.05
32 93 33 00-0711	EA	2' To 2-1/2' Euonymus Alatus - Dwarf Winged Burning Bush	29.37
32 93 33 00-0712	EA	2-1/2' To 3' Euonymus Alatus - Dwarf Winged Burning Bush	41.43
32 93 33 00-0713	EA	3' To 3-1/2' Euonymus Alatus - Dwarf Winged Burning Bush	48.95
32 93 33 00-0714	EA	3-1/2' To 4' Euonymus Alatus - Dwarf Winged Burning Bush	58.67
32 93 33 00-0715	EA	4' To 5' Euonymus Alatus - Dwarf Winged Burning Bush	82.79
32 93 33 00-0716	EA	5' To 6' Euonymus Alatus - Dwarf Winged Burning Bush	97.83
32 93 33 00-0717	EA	5 Gallon Border Forsythia - Goldenbells	18.23
32 93 33 00-0718	EA	2' To 3' Border Forsythia - Goldenbells	15.04
32 93 33 00-0719	EA	3' To 4' Border Forsythia - Goldenbells	19.01
32 93 33 00-0720	EA	4' To 5' Border Forsythia - Goldenbells	23.69
32 93 33 00-0721	EA	5' To 6' Border Forsythia - Goldenbells	28.45
32 93 33 00-0722	EA	6' To 8' Border Forsythia - Goldenbells	39.09
32 93 33 00-0723	EA	3' Juniperus chinensis - Columnar Chinese Juniper	38.73
32 93 33 00-0724	EA	4' Juniperus chinensis - Columnar Chinese Juniper	53.16
32 93 33 00-0725	EA	5' Juniperus chinensis - Columnar Chinese Juniper	83.53
32 93 33 00-0726	EA	6' Juniperus chinensis - Columnar Chinese Juniper	97.20
32 93 33 00-0727	EA	7' Juniperus chinensis - Columnar Chinese Juniper	127.58
32 93 33 00-0728	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	7.59
32 93 33 00-0729	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	10.63
32 93 33 00-0730	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.74
32 93 33 00-0731	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	7.59
32 93 33 00-0732	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	10.63

32 93 43**Trees** (32 93)

Note: (cvs = cultivar) materials only.



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0001

Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA 6' Clump Form Acer ginnala & cvs - Amur Maple	117.80	
32 93 43 00-0003	EA 7' Clump Form Acer ginnala & cvs - Amur Maple	143.98	
32 93 43 00-0004	EA 8' Clump Form Acer ginnala & cvs - Amur Maple	163.61	
32 93 43 00-0005	EA 10' Clump Form Acer ginnala & cvs - Amur Maple	189.79	
32 93 43 00-0006	EA 12' Clump Form Acer ginnala & cvs - Amur Maple	215.96	
32 93 43 00-0007	EA 14' Clump Form Acer ginnala & cvs - Amur Maple	255.23	
32 93 43 00-0008	EA 1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	341.30	
32 93 43 00-0009	EA 2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	418.84	
32 93 43 00-0010	EA 2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	523.55	
32 93 43 00-0011	EA 5' Clump Form Acer griseum - Paperbark Maple	104.71	
32 93 43 00-0012	EA 1-1/2" Caliber Aesculus californica - California Buckeye	261.77	
32 93 43 00-0013	EA 2" Caliber Aesculus californica - California Buckeye	340.31	
32 93 43 00-0014	EA 2-1/2" Caliber Aesculus californica - California Buckeye	392.66	
32 93 43 00-0015	EA 3" Caliber Aesculus californica - California Buckeye	445.02	
32 93 43 00-0016	EA 3-1/2" Caliber Aesculus californica - California Buckeye	523.55	
32 93 43 00-0017	EA 36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	52.83	
32 93 43 00-0018	EA 48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	66.03	
32 93 43 00-0019	EA 60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	81.88	
32 93 43 00-0020	EA 60" B&B Amelanchier arborea & cvs - Downy Serviceberry	66.03	
32 93 43 00-0021	EA 72" B&B Amelanchier arborea & cvs - Downy Serviceberry	79.24	
32 93 43 00-0022	EA 7' B&B Amelanchier arborea & cvs - Downy Serviceberry	92.45	
32 93 43 00-0023	EA 8' B&B Amelanchier arborea & cvs - Downy Serviceberry	105.66	
32 93 43 00-0024	EA 5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	118.86	
32 93 43 00-0025	EA 6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	132.07	
32 93 43 00-0026	EA 7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	151.88	
32 93 43 00-0027	EA 8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	171.69	
32 93 43 00-0028	EA 9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	198.10	
32 93 43 00-0029	EA 1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	130.89	
32 93 43 00-0030	EA 2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	183.24	
32 93 43 00-0031	EA 2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	196.33	
32 93 43 00-0032	EA 3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	229.05	
32 93 43 00-0033	EA 6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	163.61	
32 93 43 00-0034	EA 7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	196.33	
32 93 43 00-0035	EA 8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	229.05	
32 93 43 00-0036	EA 10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	261.77	
32 93 43 00-0037	EA 12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	294.50	
32 93 43 00-0038	EA 14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	327.22	
32 93 43 00-0039	EA 7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	151.88	
32 93 43 00-0040	EA 8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	178.29	
32 93 43 00-0041	EA 9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	204.71	
32 93 43 00-0042	EA 10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	224.52	
32 93 43 00-0043	EA 30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	52.83	
32 93 43 00-0044	EA 48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	112.26	
32 93 43 00-0045	EA 60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	145.28	
32 93 43 00-0046	EA 2' To 4' Amelemchier - Juneberry	16.08	
32 93 43 00-0047	EA 4' To 5' Amelemchier - Juneberry	16.87	
32 93 43 00-0048	EA 5' To 6' Amelemchier - Juneberry	20.08	
32 93 43 00-0049	EA 6' To 8' Amelemchier - Juneberry	23.96	
32 93 43 00-0050	EA 3' Clump Form Asimina triloba - Paw-Paw	91.62	
32 93 43 00-0051	EA 4' Clump Form Asimina triloba - Paw-Paw	104.71	
32 93 43 00-0052	EA 5' Clump Form Asimina triloba - Paw-Paw	143.98	
32 93 43 00-0053	EA 1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	196.33	
32 93 43 00-0054	EA 2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	229.05	
32 93 43 00-0055	EA 2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	294.50	
32 93 43 00-0056	EA 5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	117.80	
32 93 43 00-0057	EA 6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	143.98	
32 93 43 00-0058	EA 7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	196.33	
32 93 43 00-0059	EA 8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	229.05	
32 93 43 00-0060	EA 10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	274.86	
32 93 43 00-0061	EA 12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	333.76	
32 93 43 00-0062	EA 14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	379.57	
32 93 43 00-0063	EA 6' Cercis occidentalis - Western Redbud	73.30	
32 93 43 00-0064	EA 8' Cercis occidentalis - Western Redbud	100.85	
32 93 43 00-0065	EA 2-1/2" Caliper Cercis occidentalis - Western Redbud	207.72	
32 93 43 00-0066	EA 3" Caliper Cercis occidentalis - Western Redbud	252.87	
32 93 43 00-0067	EA 15 Gallon Cercis canadensis & cvs - Eastern Redbud	63.98	
32 93 43 00-0068	EA 20 Gallon Cercis canadensis & cvs - Eastern Redbud	79.98	
32 93 43 00-0069	EA 6' Clump Form Cercis canadensis & cvs - Eastern Redbud	157.06	
32 93 43 00-0070	EA 7' Clump Form Cercis canadensis & cvs - Eastern Redbud	215.96	
32 93 43 00-0071	EA 8' Clump Form Cercis canadensis & cvs - Eastern Redbud	274.86	
32 93 43 00-0072	EA 1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	150.52	
32 93 43 00-0073	EA 2" Caliper Cercis canadensis & cvs - Eastern Redbud	176.70	
32 93 43 00-0074	EA 5' To 6' Chaenomeles - Orange Quince	41.34	
32 93 43 00-0075	EA 6' To 8' Chaenomeles - Orange Quince	51.68	
32 93 43 00-0076	EA 5' Clump Form Chionanthus virginicus - White Fringetree	130.89	
32 93 43 00-0077	EA 6' Clump Form Chionanthus virginicus - White Fringetree	163.61	
32 93 43 00-0078	EA 7' Clump Form Chionanthus virginicus - White Fringetree	209.42	
32 93 43 00-0079	EA 4' To 5' Cornus - Pink Or Red Flowering Dogwood	47.25	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood.....	59.06	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood.....	82.68	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood.....	106.31	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood.....	31.50	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood.....	47.25	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood.....	66.15	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood.....	31.50	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood.....	36.22	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood.....	47.25	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood.....	69.30	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood.....	94.49	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood.....	150.52	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood.....	183.24	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	71.99	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	91.62	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	104.71	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	117.80	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	143.98	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	71.99	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	91.62	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	111.25	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	130.89	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	183.24	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	163.61	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	196.33	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	229.05	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	130.89	
32 93 43 00-0107	EA	2" Caliper Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	163.61	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	202.87	
32 93 43 00-0109	EA	3" Caliper Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	229.05	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	261.77	
32 93 43 00-0111	EA	4" Caliper Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	294.50	
32 93 43 00-0112	EA	6' Clump Form Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	130.89	
32 93 43 00-0113	EA	7' Clump Form Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	157.06	
32 93 43 00-0114	EA	8' Clump Form Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	183.24	
32 93 43 00-0115	EA	10' Clump Form Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	229.05	
32 93 43 00-0116	EA	12' Clump Form Crataegus crugalli inermis & cvs - Thornless Cocksaur Hawthorn.....	294.50	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	104.71	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	117.80	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	130.89	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	150.52	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	196.33	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	222.51	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	91.62	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	111.25	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	130.89	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	163.61	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	202.87	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	242.14	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	281.41	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn.....	104.71	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn.....	117.80	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn.....	163.61	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn.....	215.96	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn.....	98.17	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn.....	130.89	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn.....	163.61	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn.....	196.33	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel.....	65.44	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel.....	85.08	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel.....	104.71	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel.....	143.98	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel.....	196.33	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon).....	3.76	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon).....	12.04	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon).....	20.70	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon).....	39.51	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon).....	52.68	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon).....	67.73	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia.....	24.80	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia.....	37.21	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia.....	46.51	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia.....	57.93	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	98.17	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	130.89	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	170.15	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	189.79	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	255.23	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	229.05	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	98.17	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	130.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0161	EA		6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	170.15	
32 93 43 00-0162	EA		7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	189.79	
32 93 43 00-0163	EA		8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	229.05	
32 93 43 00-0164	EA		9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	255.23	
32 93 43 00-0165	EA		4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	98.17	
32 93 43 00-0166	EA		5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	130.89	
32 93 43 00-0167	EA		6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	170.15	
32 93 43 00-0168	EA		7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	189.79	
32 93 43 00-0169	EA		8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	229.05	
32 93 43 00-0170	EA		9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	255.23	
32 93 43 00-0171	EA		4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	98.17	
32 93 43 00-0172	EA		5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	130.89	
32 93 43 00-0173	EA		6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	170.15	
32 93 43 00-0174	EA		7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	189.79	
32 93 43 00-0175	EA		8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	229.05	
32 93 43 00-0176	EA		9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.23	
32 93 43 00-0177	EA		4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	98.17	
32 93 43 00-0178	EA		5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	130.89	
32 93 43 00-0179	EA		6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	170.15	
32 93 43 00-0180	EA		7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	189.79	
32 93 43 00-0181	EA		8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	229.05	
32 93 43 00-0182	EA		9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.23	
32 93 43 00-0183	EA		5 Gallon Malus - Crabapple	26.58	
32 93 43 00-0184	EA		15 Gallon Malus - Crabapple	67.77	
32 93 43 00-0185	EA		20 Gallon Malus - Crabapple	79.73	
32 93 43 00-0186	EA		1-1/2" Caliper Malus cvs - Crabapple Varieties	78.53	
32 93 43 00-0187	EA		2" Caliper Malus cvs - Crabapple Varieties	104.71	
32 93 43 00-0188	EA		2-1/2" Caliper Malus cvs - Crabapple Varieties	130.89	
32 93 43 00-0189	EA		3" Caliper Malus cvs - Crabapple Varieties	157.06	
32 93 43 00-0190	EA		3-1/2" Caliper Malus cvs - Crabapple Varieties	183.24	
32 93 43 00-0191	EA		4" Caliper Malus cvs - Crabapple Varieties	209.42	
32 93 43 00-0192	EA		6' Clump Form Malus cvs - Crabapple Varieties	117.80	
32 93 43 00-0193	EA		7' Clump Form Malus cvs - Crabapple Varieties	130.89	
32 93 43 00-0194	EA		8' Clump Form Malus cvs - Crabapple Varieties	163.61	
32 93 43 00-0195	EA		10' Clump Form Malus cvs - Crabapple Varieties	183.24	
32 93 43 00-0196	EA		12' Clump Form Malus cvs - Crabapple Varieties	235.60	
32 93 43 00-0197	EA		1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	130.89	
32 93 43 00-0198	EA		2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	163.61	
32 93 43 00-0199	EA		4' Clump Form Malus dwarf cvs - Dwarf Crabapple	98.17	
32 93 43 00-0200	EA		5' Clump Form Malus dwarf cvs - Dwarf Crabapple	124.34	
32 93 43 00-0201	EA		6' Clump Form Malus dwarf cvs - Dwarf Crabapple	150.52	
32 93 43 00-0202	EA		7' Clump Form Malus dwarf cvs - Dwarf Crabapple	170.15	
32 93 43 00-0203	EA		8' Clump Form Malus dwarf cvs - Dwarf Crabapple	189.79	
32 93 43 00-0204	EA		9' Clump Form Malus dwarf cvs - Dwarf Crabapple	209.42	
32 93 43 00-0205	EA		4' To 5' Oxydendrum arboreum - Sourwood	60.04	
32 93 43 00-0206	EA		5' To 6' Oxydendrum arboreum - Sourwood	75.05	
32 93 43 00-0207	EA		6' To 7' Oxydendrum arboreum - Sourwood	90.06	
32 93 43 00-0208	EA		7' To 8' Oxydendrum arboreum - Sourwood	105.08	
32 93 43 00-0209	EA		1 Gallon Platanus Racemosa - California Sycamore	7.13	
32 93 43 00-0210	EA		5 Gallon Platanus Racemosa - California Sycamore	20.40	
32 93 43 00-0211	EA		15 Gallon Platanus Racemosa - California Sycamore	61.22	
32 93 43 00-0212	EA		24" Box Platanus Racemosa - California Sycamore	163.27	
32 93 43 00-0213	EA		1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	8.15	
32 93 43 00-0214	EA		5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	34.52	
32 93 43 00-0215	EA		20 Gallon Prunus subhirtella - Flowering Cherry	92.03	
32 93 43 00-0216	EA		1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	95.13	
32 93 43 00-0217	EA		2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	118.90	
32 93 43 00-0218	EA		3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	248.14	
32 93 43 00-0219	EA		3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	191.25	
32 93 43 00-0220	EA		4" To 5" Caliper Prunus subhirtella - Flowering Cherry	372.22	
32 93 43 00-0221	EA		5 Gallon Prunus cerasifera - Thundercloud Flowering Plum	23.77	
32 93 43 00-0222	EA		15 Gallon Prunus cerasifera - Thundercloud Flowering Plum	65.11	
32 93 43 00-0223	EA		20 Gallon Prunus cerasifera - Thundercloud Flowering Plum	84.80	
32 93 43 00-0224	EA		5' To 6' Prunus cerasifera - Thundercloud Flowering Plum	26.87	
32 93 43 00-0225	EA		6' To 8' Prunus cerasifera - Thundercloud Flowering Plum	51.68	
32 93 43 00-0226	EA		1-1/2" To 2" Caliper Prunus cerasifera - Thundercloud Flowering Plum	95.13	
32 93 43 00-0227	EA		2" To 2-1/2" Caliper Prunus cerasifera - Thundercloud Flowering Plum	113.74	
32 93 43 00-0228	EA		1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	74.46	
32 93 43 00-0229	EA		1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	62.01	
32 93 43 00-0230	EA		1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	90.95	
32 93 43 00-0231	EA		2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	108.57	
32 93 43 00-0232	EA		2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	139.58	
32 93 43 00-0233	EA		4' To 6' Prunus - Pigeon Plum	37.63	
32 93 43 00-0234	EA		8' To 10' Prunus - Pigeon Plum	127.94	
32 93 43 00-0235	EA		10' To 12' Prunus - Pigeon Plum	162.56	
32 93 43 00-0236	EA		14' To 16' Prunus - Pigeon Plum	255.88	
32 93 43 00-0237	EA		6' To 8' Prunus yedoensis - Yoshino Cherry	53.79	
32 93 43 00-0238	EA		1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	82.73	
32 93 43 00-0239	EA		2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	101.29	
32 93 43 00-0240	EA		2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	129.24	
32 93 43 00-0241	EA		15 Gallon Pyrus - Aristocrat Flowering Pear	71.85	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0242	EA	20 Gallon Pyrus - Aristocrat Flowering Pear	89.82	
32 93 43 00-0243	EA	1-1/2" To 2" Caliper Pyrus - Aristocrat Flowering Pear	93.41	
32 93 43 00-0244	EA	2" To 2-1/2" Caliper Pyrus - Aristocrat Flowering Pear	111.37	
32 93 43 00-0245	EA	2-1/2" To 3" Caliper Pyrus - Aristocrat Flowering Pear	150.89	
32 93 43 00-0246	EA	3" To 3-1/2" Caliper Pyrus - Aristocrat Flowering Pear	197.60	
32 93 43 00-0247	EA	3-1/2" To 4" Caliper Pyrus - Aristocrat Flowering Pear	251.49	
32 93 43 00-0248	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	71.85	
32 93 43 00-0249	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	89.82	
32 93 43 00-0250	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	61.08	
32 93 43 00-0251	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	93.41	
32 93 43 00-0252	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	111.28	
32 93 43 00-0253	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	150.89	
32 93 43 00-0254	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	197.60	
32 93 43 00-0255	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	130.89	
32 93 43 00-0256	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	163.61	
32 93 43 00-0257	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	202.87	
32 93 43 00-0258	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	229.05	
32 93 43 00-0259	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	255.23	
32 93 43 00-0260	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	327.22	
32 93 43 00-0261	EA	1 Gallon Quercus agrifolia - Coast Live Oak	7.13	
32 93 43 00-0262	EA	5 Gallon Quercus agrifolia - Coast Live Oak	20.40	
32 93 43 00-0263	EA	15 Gallon Quercus agrifolia - Coast Live Oak	61.22	
32 93 43 00-0264	EA	24" Box Quercus agrifolia - Coast Live Oak	214.29	
32 93 43 00-0265	EA	1 Gallon Rhamnus californica - Coffeeberry	7.13	
32 93 43 00-0266	EA	5 Gallon Rhamnus californica - Coffeeberry	20.40	
32 93 43 00-0267	EA	15 Gallon Rhamnus californica - Coffeeberry	61.22	
32 93 43 00-0268	EA	1 Gallon Rhus integrifolia - Lemonade Berry	7.13	
32 93 43 00-0269	EA	5 Gallon Rhus integrifolia - Lemonade Berry	20.40	
32 93 43 00-0270	EA	15 Gallon Rhus integrifolia - Lemonade Berry	61.22	
32 93 43 00-0271	EA	24" Box Rhus integrifolia - Lemonade Berry	204.09	
32 93 43 00-0272	EA	1 Gallon Ribes aureum - Golden Currant	7.13	
32 93 43 00-0273	EA	5 Gallon Ribes aureum - Golden Currant	20.40	
32 93 43 00-0274	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	7.13	
32 93 43 00-0275	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	20.40	
32 93 43 00-0276	EA	1 Gallon Ribes speciosum - Flowering Gooseberry	7.13	
32 93 43 00-0277	EA	5 Gallon Ribes speciosum - Flowering Gooseberry	20.40	
32 93 43 00-0278	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	7.13	
32 93 43 00-0279	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	20.40	
32 93 43 00-0280	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	174.99	
32 93 43 00-0281	EA	2" Caliper Sophora japonica - Japanese Pagoda	196.86	
32 93 43 00-0282	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	229.67	
32 93 43 00-0283	EA	3" Caliper Sophora japonica - Japanese Pagoda	335.92	
32 93 43 00-0284	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	507.78	
32 93 43 00-0285	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	130.89	
32 93 43 00-0286	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	163.61	
32 93 43 00-0287	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	202.87	
32 93 43 00-0288	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	248.69	
32 93 43 00-0289	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	301.04	
32 93 43 00-0290	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	359.94	
32 93 43 00-0291	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	170.15	
32 93 43 00-0292	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	183.24	
32 93 43 00-0293	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	222.51	
32 93 43 00-0294	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	104.71	
32 93 43 00-0295	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	124.34	
32 93 43 00-0296	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	143.98	
32 93 43 00-0297	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	163.61	
32 93 43 00-0298	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	189.79	
32 93 43 00-0299	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	242.14	
32 93 43 00-0300	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	274.86	
32 93 43 00-0301	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	314.13	
32 93 43 00-0302	EA	8' Cassia leptophylla - Gold Medallion Tree	188.70	
32 93 43 00-0303	EA	10' Cassia leptophylla - Gold Medallion Tree	239.50	
32 93 43 00-0304	EA	12' Cassia leptophylla - Gold Medallion Tree	290.30	
32 93 43 00-0305	EA	6' Magnolia grandiflora 'St. Mary's'	217.72	
32 93 43 00-0306	EA	8' Magnolia grandiflora 'St. Mary's'	384.65	
32 93 43 00-0307	EA	10' Magnolia grandiflora 'St. Mary's'	483.35	
32 93 43 00-0308	EA	12' Magnolia grandiflora 'St. Mary's'	580.60	
32 93 43 00-0309	EA	14' Magnolia grandiflora 'St. Mary's'	674.95	
32 93 43 00-0310	EA	16' Magnolia grandiflora 'St. Mary's'	798.32	
32 93 43 00-0311	EA	24" Box Magnolia grandiflora 'St. Mary's'	239.50	
32 93 43 00-0312	EA	6' Prunus cerasifera - Purple Leaf Plum	113.22	
32 93 43 00-0313	EA	8' Prunus cerasifera - Purple Leaf Plum	130.64	
32 93 43 00-0314	EA	10' Prunus cerasifera - Purple Leaf Plum	168.37	
32 93 43 00-0315	EA	24" Box Prunus cerasifera - Purple Leaf Plum	179.26	
32 93 43 00-0316	EA	30" Box Prunus cerasifera - Purple Leaf Plum	362.88	
32 93 43 00-0317	EA	36" Box Prunus cerasifera - Purple Leaf Plum	556.65	
32 93 43 00-0318	EA	6' Pittosporum phylliraeoides - Willow Pittosporum	236.59	
32 93 43 00-0319	EA	8' Pittosporum phylliraeoides - Willow Pittosporum	338.20	
32 93 43 00-0320	EA	10' Pittosporum phylliraeoides - Willow Pittosporum	404.97	
32 93 43 00-0321	EA	12' Pittosporum phylliraeoides - Willow Pittosporum	522.54	
32 93 43 00-0322	EA	6' Stenocarpus sinuatus - Firewheel Tree	348.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0323	EA		8' Stenocarpus sinuatus - Firewheel Tree.....	464.48	
32 93 43 00-0324	EA		10' Stenocarpus sinuatus - Firewheel Tree.....	580.60	
32 93 43 00-0325	EA		12' Stenocarpus sinuatus - Firewheel Tree.....	696.72	
32 93 43 00-0326	EA		24" Box Tabebuia ipi - Pink Trumpet.....	338.20	
32 93 43 00-0327	EA		36" Box Tabebuia ipi - Pink Trumpet.....	899.93	
32 93 43 00-0328	EA		1-1/2" Caliber Arbutus menziesii - Madrona.....	252.43	
32 93 43 00-0329	EA		2" Caliber Arbutus menziesii - Madrona.....	328.17	
32 93 43 00-0330	EA		2-1/2" Caliber Arbutus menziesii - Madrona.....	378.65	
32 93 43 00-0331	EA		3" Caliber Arbutus menziesii - Madrona.....	429.14	
32 93 43 00-0332	EA		3-1/2" Caliber Arbutus menziesii - Madrona.....	504.87	
32 93 43 00-0333	EA		1-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern.....	174.18	
32 93 43 00-0334	EA		2" Caliber Koelreuteria bipinnata - Chinese Lantern.....	283.04	
32 93 43 00-0335	EA		2-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern.....	348.36	
32 93 43 00-0336	EA		3" Caliber Koelreuteria bipinnata - Chinese Lantern.....	384.65	
32 93 43 00-0337	EA		24" Box Koelreuteria bipinnata - Chinese Lantern.....	169.83	
32 93 43 00-0338	EA		30" Box Koelreuteria bipinnata - Chinese Lantern.....	391.90	
32 93 43 00-0339	EA		36" Box Koelreuteria bipinnata - Chinese Lantern.....	613.26	
32 93 43 00-0340	EA		1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	158.21	
32 93 43 00-0341	EA		2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	256.92	
32 93 43 00-0342	EA		2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	314.98	
32 93 43 00-0343	EA		3" Cliber Koelreuteria paniculata - Golden Rain Tree.....	355.62	
32 93 43 00-0344	EA		6' Magnolia grandiflora - Southern Magnolia.....	107.41	
32 93 43 00-0345	EA		7' Magnolia grandiflora - Southern Magnolia.....	162.57	
32 93 43 00-0346	EA		8' Magnolia grandiflora - Southern Magnolia.....	227.89	
32 93 43 00-0347	EA		9' Magnolia grandiflora - Southern Magnolia.....	303.36	
32 93 43 00-0348	EA		10' Magnolia grandiflora - Southern Magnolia.....	461.58	
32 93 43 00-0349	EA		24" Box Magnolia grandiflora - Southern Magnolia.....	188.70	
32 93 43 00-0350	EA		1-1/2" Caliber Tipuana tipu - Tipu Tree.....	224.98	
32 93 43 00-0351	EA		2" Caliber Tipuana tipu - Tipu Tree.....	293.20	
32 93 43 00-0352	EA		2-1/2" Caliber Tipuana tipu - Tipu Tree.....	371.58	
32 93 43 00-0353	EA		3" Caliber Tipuana tipu - Tipu Tree.....	428.19	
32 93 43 00-0354	EA		3-1/2" Caliber Tipuana tipu - Tipu Tree.....	629.95	
32 93 43 00-0355	EA		4" Caliber Tipuana tipu - Tipu Tree.....	841.87	
32 93 43 00-0356	EA		24" Box Tipuana tipu - Tipu Tree.....	169.83	
32 93 43 00-0357	EA		6' Albizia julibrissin - Silk Tree.....	348.36	
32 93 43 00-0358	EA		8' Albizia julibrissin - Silk Tree.....	464.48	
32 93 43 00-0359	EA		10' Albizia julibrissin - Silk Tree.....	580.60	
32 93 43 00-0360	EA		12' Albizia julibrissin - Silk Tree.....	696.72	
32 93 43 00-0361	EA		6' Brachychiton acerifolius - Flame Tree.....	348.36	
32 93 43 00-0362	EA		8' Brachychiton acerifolius - Flame Tree.....	464.48	
32 93 43 00-0363	EA		10' Brachychiton acerifolius - Flame Tree.....	580.60	
32 93 43 00-0364	EA		12' Brachychiton acerifolius - Flame Tree.....	696.72	
32 93 43 00-0365	EA		1-1/2" Caliber Chilopsis linearis - Desert Willow.....	281.59	
32 93 43 00-0366	EA		2" Caliber Chilopsis linearis - Desert Willow.....	338.20	
32 93 43 00-0367	EA		2-1/2" Caliber Chilopsis linearis - Desert Willow.....	359.97	
32 93 43 00-0368	EA		3" Caliber Chilopsis linearis - Desert Willow.....	399.16	
32 93 43 00-0369	EA		5 Gallon Chionanthus retusus - Chinese Fringe Tree.....	14.52	
32 93 43 00-0370	EA		15 Gallon Chionanthus retusus - Chinese Fringe Tree.....	58.06	
32 93 43 00-0371	EA		24" Box Chionanthus retusus - Chinese Fringe Tree.....	290.30	
32 93 43 00-0372	EA		5 Gallon Calodendrum capense - Cape Chestnut.....	21.77	
32 93 43 00-0373	EA		15 Gallon Calodendrum capense - Cape Chestnut.....	87.09	
32 93 43 00-0374	EA		24" Box Calodendrum capense - Cape Chestnut.....	326.59	
32 93 43 00-0375	EA		6' Chionanthus virginicus - White Fringe Tree.....	174.18	
32 93 43 00-0376	EA		8' Chionanthus virginicus - White Fringe Tree.....	210.73	
32 93 43 00-0377	EA		10' Chionanthus virginicus - White Fringe Tree.....	293.51	
32 93 43 00-0378	EA		15 Gallon Geijera parvifolia - Australian Willow.....	90.31	
32 93 43 00-0379	EA		24" Box Geijera parvifolia - Australian Willow.....	185.89	
32 93 43 00-0380	EA		30" Box Geijera parvifolia - Australian Willow.....	346.20	
32 93 43 00-0381	EA		36" Box Geijera parvifolia - Australian Willow.....	496.72	
32 93 43 00-0382	EA		1-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	267.93	
32 93 43 00-0383	EA		2" Caliber Ginko Biloba - Maidenhair Tree.....	373.29	
32 93 43 00-0384	EA		2-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	450.05	
32 93 43 00-0385	EA		3" Caliber Ginko Biloba - Maidenhair Tree.....	525.31	
32 93 43 00-0386	EA		3-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	687.88	
32 93 43 00-0387	EA		4" Caliber Ginko Biloba - Maidenhair Tree.....	734.54	
32 93 43 00-0388	EA		4-1/2" Caliber Ginko Biloba - Maidenhair Tree.....	782.70	
32 93 43 00-0389	EA		24" Box Ginko Biloba - Maidenhair Tree.....	244.60	
32 93 43 00-0390	EA		15 Gallon Sapium sebiferum - Chinese Tallow Tree.....	90.31	
32 93 43 00-0391	EA		24" Box Sapium sebiferum - Chinese Tallow Tree.....	331.14	
32 93 43 00-0392	EA		4' To 5' Lagerstroemia indica - Crape Myrtle.....	96.33	
32 93 43 00-0393	EA		6' Lagerstroemia indica - Crape Myrtle.....	179.12	
32 93 43 00-0394	EA		8' Lagerstroemia indica - Crape Myrtle.....	185.14	
32 93 43 00-0395	EA		10' Lagerstroemia indica - Crape Myrtle.....	224.27	
32 93 43 00-0396	EA		24" Box Lagerstroemia indica - Crape Myrtle.....	176.11	
32 93 43 00-0397			Shade Trees <small>(32 93 43)</small>		
Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.					
32 93 43 00-0398	EA		3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	292.02	
32 93 43 00-0399	EA		4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	357.96	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0400	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	466.29	
32 93 43 00-0401	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	604.45	
32 93 43 00-0402	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	30.80	
32 93 43 00-0403	EA	4' To 5' Acer palmatum - Japanese Maple	64.68	
32 93 43 00-0404	EA	5' To 6' Acer palmatum - Japanese Maple	84.70	
32 93 43 00-0405	EA	6' To 7' Acer palmatum - Japanese Maple	154.00	
32 93 43 00-0406	EA	7' To 8' Acer palmatum - Japanese Maple	215.60	
32 93 43 00-0407	EA	8' To 10' Acer palmatum - Japanese Maple	277.21	
32 93 43 00-0408	EA	10' To 12' Acer palmatum - Japanese Maple	369.61	
32 93 43 00-0409	EA	2" Caliper Acer platanoides & cvs - Norway Maple	157.00	
32 93 43 00-0410	EA	2" Caliper Acer platanoides & cvs - Norway Maple	191.13	
32 93 43 00-0411	EA	3" Caliper Acer platanoides & cvs - Norway Maple	245.74	
32 93 43 00-0412	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	286.70	
32 93 43 00-0413	EA	4" Caliper Acer platanoides & cvs - Norway Maple	307.17	
32 93 43 00-0414	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	334.48	
32 93 43 00-0415	EA	5" Caliper Acer platanoides & cvs - Norway Maple	375.43	
32 93 43 00-0416	EA	2" Caliper Acer rubrum & cvs - Red Maple	150.17	
32 93 43 00-0417	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	191.13	
32 93 43 00-0418	EA	3" Caliper Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0419	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	300.35	
32 93 43 00-0420	EA	4" Caliper Acer rubrum & cvs - Red Maple	341.30	
32 93 43 00-0421	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	395.91	
32 93 43 00-0422	EA	5" Caliper Acer rubrum & cvs - Red Maple	443.70	
32 93 43 00-0423	EA	8' Clump Form Acer rubrum & cvs - Red Maple	184.30	
32 93 43 00-0424	EA	10' Clump Form Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0425	EA	12' Clump Form Acer rubrum & cvs - Red Maple	286.70	
32 93 43 00-0426	EA	14' Clump Form Acer rubrum & cvs - Red Maple	327.65	
32 93 43 00-0427	EA	16' Clump Form Acer rubrum & cvs - Red Maple	368.61	
32 93 43 00-0428	EA	18' Clump Form Acer rubrum & cvs - Red Maple	409.57	
32 93 43 00-0429	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	122.87	
32 93 43 00-0430	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	163.83	
32 93 43 00-0431	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	204.78	
32 93 43 00-0432	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	245.74	
32 93 43 00-0433	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	286.70	
32 93 43 00-0434	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	327.65	
32 93 43 00-0435	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	368.61	
32 93 43 00-0436	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	150.17	
32 93 43 00-0437	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	197.96	
32 93 43 00-0438	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	238.91	
32 93 43 00-0439	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	273.04	
32 93 43 00-0440	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	320.83	
32 93 43 00-0441	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	368.61	
32 93 43 00-0442	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	409.57	
32 93 43 00-0443	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	273.04	
32 93 43 00-0444	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	320.83	
32 93 43 00-0445	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	375.43	
32 93 43 00-0446	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	416.39	
32 93 43 00-0447	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	505.13	
32 93 43 00-0448	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	546.09	
32 93 43 00-0449	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	170.65	
32 93 43 00-0450	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	211.61	
32 93 43 00-0451	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	259.39	
32 93 43 00-0452	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	300.35	
32 93 43 00-0453	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	327.65	
32 93 43 00-0454	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	361.78	
32 93 43 00-0455	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	402.74	
32 93 43 00-0456	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	245.74	
32 93 43 00-0457	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	324.92	
32 93 43 00-0458	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	378.17	
32 93 43 00-0459	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	416.39	
32 93 43 00-0460	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	505.13	
32 93 43 00-0461	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	546.09	
32 93 43 00-0462	EA	2" Caliper Aesculus glabra - Ohio Buckeye	184.30	
32 93 43 00-0463	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	218.43	
32 93 43 00-0464	EA	3" Caliper Aesculus glabra - Ohio Buckeye	259.39	
32 93 43 00-0465	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	286.70	
32 93 43 00-0466	EA	4" Caliper Aesculus glabra - Ohio Buckeye	314.00	
32 93 43 00-0467	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	354.96	
32 93 43 00-0468	EA	5" Caliper Aesculus glabra - Ohio Buckeye	409.57	
32 93 43 00-0469	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	238.91	
32 93 43 00-0470	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	266.22	
32 93 43 00-0471	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	300.35	
32 93 43 00-0472	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	341.30	
32 93 43 00-0473	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	409.57	
32 93 43 00-0474	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	238.91	
32 93 43 00-0475	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	266.22	
32 93 43 00-0476	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	300.35	
32 93 43 00-0477	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	341.30	
32 93 43 00-0478	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	409.57	
32 93 43 00-0479	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	170.65	
32 93 43 00-0480	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	197.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0481 EA 3" Caliper Alnus glutinosa - Common Alder, Black Alder.....	225.26	
32 93 43 00-0482 EA 3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	259.39	
32 93 43 00-0483 EA 8' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	177.48	
32 93 43 00-0484 EA 10' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	218.43	
32 93 43 00-0485 EA 12' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	245.74	
32 93 43 00-0486 EA 14' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	273.04	
32 93 43 00-0487 EA 16' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	307.17	
32 93 43 00-0488 EA 18' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	341.30	
32 93 43 00-0489 EA 2" Caliper Betula nigra - River Birch.....	170.65	
32 93 43 00-0490 EA 2-1/2" Caliper Betula nigra - River Birch.....	193.25	
32 93 43 00-0491 EA 3" Caliper Betula nigra - River Birch.....	218.43	
32 93 43 00-0492 EA 3-1/2" Caliper Betula nigra - River Birch.....	273.04	
32 93 43 00-0493 EA 4" Caliper Betula nigra - River Birch.....	307.17	
32 93 43 00-0494 EA 4-1/2" Caliper Betula nigra - River Birch.....	341.30	
32 93 43 00-0495 EA 5" Caliper Betula nigra - River Birch.....	375.43	
32 93 43 00-0496 EA 8' Clump Form Betula nigra - River Birch.....	157.00	
32 93 43 00-0497 EA 10' Clump Form Betula nigra - River Birch.....	177.48	
32 93 43 00-0498 EA 12' Clump Form Betula nigra - River Birch.....	204.78	
32 93 43 00-0499 EA 14' Clump Form Betula nigra - River Birch.....	238.91	
32 93 43 00-0500 EA 16' Clump Form Betula nigra - River Birch.....	273.04	
32 93 43 00-0501 EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	204.78	
32 93 43 00-0502 EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	245.74	
32 93 43 00-0503 EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	286.70	
32 93 43 00-0504 EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	341.30	
32 93 43 00-0505 EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	354.96	
32 93 43 00-0506 EA 10' - 12' Bursera Simaruba - Gumbo Limbo.....	86.35	
32 93 43 00-0507 EA 12' - 14' Bursera Simaruba - Gumbo Limbo.....	102.05	
32 93 43 00-0508 EA 14' - 16' Bursera Simaruba - Gumbo Limbo.....	141.30	
32 93 43 00-0509 EA 17' - 18' Bursera Simaruba - Gumbo Limbo.....	183.69	
32 93 43 00-0510 EA 19' - 20' Bursera Simaruba - Gumbo Limbo.....	204.10	
32 93 43 00-0511 EA 21' - 22' Bursera Simaruba - Gumbo Limbo.....	241.78	
32 93 43 00-0512 EA 2" Caliper Carpinus betulus & cvs - European Hornbeam.....	273.04	
32 93 43 00-0513 EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	307.17	
32 93 43 00-0514 EA 3" Caliper Carpinus betulus & cvs - European Hornbeam.....	354.96	
32 93 43 00-0515 EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	430.04	
32 93 43 00-0516 EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam.....	122.87	
32 93 43 00-0517 EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam.....	170.65	
32 93 43 00-0518 EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam.....	211.61	
32 93 43 00-0519 EA 2" Caliber Catalpa speciosa - Western Catalpa.....	150.17	
32 93 43 00-0520 EA 2-1/2" Caliber Catalpa speciosa - Western Catalpa.....	204.78	
32 93 43 00-0521 EA 3" Caliber Catalpa speciosa - Western Catalpa.....	266.22	
32 93 43 00-0522 EA 3-1/2" Caliber Catalpa speciosa - Western Catalpa.....	320.83	
32 93 43 00-0523 EA 4" Caliber Catalpa speciosa - Western Catalpa.....	368.61	
32 93 43 00-0524 EA 2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	191.13	
32 93 43 00-0525 EA 2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	218.43	
32 93 43 00-0526 EA 3" Caliper Celtis occidentalis & cvs - Common Hackberry.....	266.22	
32 93 43 00-0527 EA 3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	314.00	
32 93 43 00-0528 EA 4" Caliper Celtis occidentalis & cvs - Common Hackberry.....	361.78	
32 93 43 00-0529 EA 4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	409.57	
32 93 43 00-0530 EA 3" Caliper Cercidiphyllum japonicum - Katsuratree.....	238.91	
32 93 43 00-0531 EA 3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree.....	273.04	
32 93 43 00-0532 EA 4" Caliper Cercidiphyllum japonicum - Katsuratree.....	320.83	
32 93 43 00-0533 EA 5" Caliper Cercidiphyllum japonicum - Katsuratree.....	382.26	
32 93 43 00-0534 EA 6' Clump Form Cercidiphyllum japonicum - Katsuratree.....	191.13	
32 93 43 00-0535 EA 7' Clump Form Cercidiphyllum japonicum - Katsuratree.....	225.26	
32 93 43 00-0536 EA 8' Clump Form Cercidiphyllum japonicum - Katsuratree.....	273.04	
32 93 43 00-0537 EA 10' Clump Form Cercidiphyllum japonicum - Katsuratree.....	341.30	
32 93 43 00-0538 EA 12' Clump Form Cercidiphyllum japonicum - Katsuratree.....	409.57	
32 93 43 00-0539 EA 2" Caliper Cladrastus lutea - American Yellowwood.....	341.30	
32 93 43 00-0540 EA 2-1/2" Caliper Cladrastus lutea - American Yellowwood.....	409.57	
32 93 43 00-0541 EA 3" Caliper Cladrastus lutea - American Yellowwood.....	477.83	
32 93 43 00-0542 EA 3-1/2" Caliper Cladrastus lutea - American Yellowwood.....	546.09	
32 93 43 00-0543 EA 2" Caliper Corylus colurna californica - Western Turkish Filbert.....	211.61	
32 93 43 00-0544 EA 2-1/2" Caliper Corylus colurna californica - Western Turkish Filbert.....	238.91	
32 93 43 00-0545 EA 3" Caliper Corylus colurna californica - Western Turkish Filbert.....	273.04	
32 93 43 00-0546 EA 3-1/2" Caliper Corylus colurna californica - Western Turkish Filbert.....	314.00	
32 93 43 00-0547 EA 4" Caliper Corylus colurna californica - Western Turkish Filbert.....	375.43	
32 93 43 00-0548 EA 4-1/2" Caliper Corylus colurna californica - Western Turkish Filbert.....	436.87	
32 93 43 00-0549 EA 5" Caliper Corylus colurna californica - Western Turkish Filbert.....	498.30	
32 93 43 00-0550 EA 8' Clump Form Corylus cornuta californica - Western Filbert.....	191.13	
32 93 43 00-0551 EA 10' Clump Form Corylus cornuta californica - Western Filbert.....	232.09	
32 93 43 00-0552 EA 12' Clump Form Corylus cornuta californica - Western Filbert.....	273.04	
32 93 43 00-0553 EA Corylus colurna californica - Western Turkish Filbert 14 feet, clump form.....	307.17	
32 93 43 00-0554 EA Corylus colurna californica - Western Turkish Filbert 16 feet, clump form.....	341.30	
32 93 43 00-0555 EA 1-1/2" Caliber Diospyros - Persimmon.....	122.87	
32 93 43 00-0556 EA 2" Caliber Diospyros - Persimmon.....	150.17	
32 93 43 00-0557 EA 2-1/2" Caliber Diospyros - Persimmon.....	191.13	
32 93 43 00-0558 EA 3" Caliber Diospyros - Persimmon.....	238.91	
32 93 43 00-0559 EA 3-1/2" Caliber Diospyros - Persimmon.....	286.70	
32 93 43 00-0560 EA 1-1/2" Caliper Fagus grandifolia - American Beech.....	273.04	
32 93 43 00-0561 EA 2" Caliper Fagus grandifolia - American Beech.....	354.96	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0562	EA	2-1/2" Caliper Fagus grandifolia - American Beech	450.52	
32 93 43 00-0563	EA	3" Caliper Fagus grandifolia - American Beech	546.09	
32 93 43 00-0564	EA	3-1/2" Caliper Fagus grandifolia - American Beech	648.48	
32 93 43 00-0565	EA	2" Caliper Fagus sylvatica & cvs - European Beech	307.17	
32 93 43 00-0566	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	368.61	
32 93 43 00-0567	EA	3" Caliper Fagus sylvatica & cvs - European Beech	443.70	
32 93 43 00-0568	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	491.48	
32 93 43 00-0569	EA	4" Caliper Fagus sylvatica & cvs - European Beech	580.22	
32 93 43 00-0570	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	750.87	
32 93 43 00-0571	EA	5" Caliper Fagus sylvatica & cvs - European Beech	887.39	
32 93 43 00-0572	EA	2" Caliper Fraxinus americana & cvs - White Ash	170.65	
32 93 43 00-0573	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	204.78	
32 93 43 00-0574	EA	3" Caliper Fraxinus americana & cvs - White Ash	259.39	
32 93 43 00-0575	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	314.00	
32 93 43 00-0576	EA	4" Caliper Fraxinus americana & cvs - White Ash	368.61	
32 93 43 00-0577	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	409.57	
32 93 43 00-0578	EA	5" Caliper Fraxinus americana & cvs - White Ash	477.83	
32 93 43 00-0579	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	150.17	
32 93 43 00-0580	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	177.48	
32 93 43 00-0581	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	238.91	
32 93 43 00-0582	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	286.70	
32 93 43 00-0583	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	341.30	
32 93 43 00-0584	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	368.61	
32 93 43 00-0585	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	409.57	
32 93 43 00-0586	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	204.78	
32 93 43 00-0587	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	252.57	
32 93 43 00-0588	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	307.17	
32 93 43 00-0589	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	375.43	
32 93 43 00-0590	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	443.70	
32 93 43 00-0591	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	238.91	
32 93 43 00-0592	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	266.22	
32 93 43 00-0593	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.35	
32 93 43 00-0594	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	334.48	
32 93 43 00-0595	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	375.43	
32 93 43 00-0596	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	409.57	
32 93 43 00-0597	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	614.35	
32 93 43 00-0598	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	682.61	
32 93 43 00-0599	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	163.83	
32 93 43 00-0600	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	204.78	
32 93 43 00-0601	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	245.74	
32 93 43 00-0602	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	286.70	
32 93 43 00-0603	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	327.65	
32 93 43 00-0604	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	368.61	
32 93 43 00-0605	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	436.87	
32 93 43 00-0606	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	211.61	
32 93 43 00-0607	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	259.39	
32 93 43 00-0608	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	307.17	
32 93 43 00-0609	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	361.78	
32 93 43 00-0610	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	409.57	
32 93 43 00-0611	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	457.35	
32 93 43 00-0612	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	511.96	
32 93 43 00-0613	EA	1-1/2" Caliper Juglans cinerea - Butternut	163.83	
32 93 43 00-0614	EA	2" Caliper Juglans cinerea - Butternut	191.13	
32 93 43 00-0615	EA	2-1/2" Caliper Juglans cinerea - Butternut	238.91	
32 93 43 00-0616	EA	3" Caliper Juglans cinerea - Butternut	300.35	
32 93 43 00-0617	EA	3-1/2" Caliper Juglans cinerea - Butternut	368.61	
32 93 43 00-0618	EA	1-1/2" Caliber Juglans californica - California Walnut	163.83	
32 93 43 00-0619	EA	2" Caliber Juglans californica - California Walnut	191.13	
32 93 43 00-0620	EA	2-1/2" Caliber Juglans californica - California Walnut	238.91	
32 93 43 00-0621	EA	3" Caliber Juglans californica - California Walnut	300.35	
32 93 43 00-0622	EA	3-1/2" Caliber Juglans californica - California Walnut	368.61	
32 93 43 00-0623	EA	4" Caliber Juglans californica - California Walnut	443.70	
32 93 43 00-0624	EA	4-1/2" Caliber Juglans californica - California Walnut	511.96	
32 93 43 00-0625	EA	5" Caliber Juglans californica - California Walnut	580.22	
32 93 43 00-0626	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	18.48	
32 93 43 00-0627	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	46.20	
32 93 43 00-0628	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	92.40	
32 93 43 00-0629	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	120.12	
32 93 43 00-0630	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	87.78	
32 93 43 00-0631	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	106.26	
32 93 43 00-0632	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	147.84	
32 93 43 00-0633	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	218.43	
32 93 43 00-0634	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	273.04	
32 93 43 00-0635	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	341.30	
32 93 43 00-0636	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	409.57	
32 93 43 00-0637	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	477.83	
32 93 43 00-0638	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	218.43	
32 93 43 00-0639	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	300.35	
32 93 43 00-0640	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0641	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	409.57	
32 93 43 00-0642	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	464.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0643	EA		8' Clump Form Liriodendron tulipifera - Tulip Tree.....	163.83	
32 93 43 00-0644	EA		10' Clump Form Liriodendron tulipifera - Tulip Tree.....	293.52	
32 93 43 00-0645	EA		12' Clump Form Liriodendron tulipifera - Tulip Tree.....	354.96	
32 93 43 00-0646	EA		1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	218.43	
32 93 43 00-0647	EA		2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	273.04	
32 93 43 00-0648	EA		2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	341.30	
32 93 43 00-0649	EA		3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	409.57	
32 93 43 00-0650	EA		3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	477.83	
32 93 43 00-0651	EA		4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	95.57	
32 93 43 00-0652	EA		5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	109.22	
32 93 43 00-0653	EA		6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	129.70	
32 93 43 00-0654	EA		7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	163.83	
32 93 43 00-0655	EA		8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	204.78	
32 93 43 00-0656	EA		2" Caliber Ostrya virginiana - American Hophornbeam.....	177.48	
32 93 43 00-0657	EA		2-1/2" Caliber Ostrya virginiana - American Hophornbeam.....	225.26	
32 93 43 00-0658	EA		3" Caliber Ostrya virginiana - American Hophornbeam.....	273.04	
32 93 43 00-0659	EA		3-1/2" Caliber Ostrya virginiana - American Hophornbeam.....	320.83	
32 93 43 00-0660	EA		4" Caliber Ostrya virginiana - American Hophornbeam.....	389.09	
32 93 43 00-0661	EA		2" Caliber Phellodendron amurense - Amur Corktree.....	136.52	
32 93 43 00-0662	EA		2-1/2" Caliber Phellodendron amurense - Amur Corktree.....	170.65	
32 93 43 00-0663	EA		3" Caliber Phellodendron amurense - Amur Corktree.....	204.78	
32 93 43 00-0664	EA		3-1/2" Caliber Phellodendron amurense - Amur Corktree.....	238.91	
32 93 43 00-0665	EA		4" Caliber Phellodendron amurense - Amur Corktree.....	273.04	
32 93 43 00-0666	EA		4-1/2" Caliber Phellodendron amurense - Amur Corktree.....	307.17	
32 93 43 00-0667	EA		5" Caliber Phellodendron amurense - Amur Corktree.....	341.30	
32 93 43 00-0668	EA		30" Box Platanus Occidentalis - Buttonwood Sycamore.....	296.56	
32 93 43 00-0669	EA		36" Box Platanus Occidentalis - Buttonwood Sycamore.....	431.36	
32 93 43 00-0670	EA		42" Box Platanus occidentalis - Buttonwood Sycamore.....	641.68	
32 93 43 00-0671	EA		1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	99.23	
32 93 43 00-0672	EA		2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	118.63	
32 93 43 00-0673	EA		2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	161.76	
32 93 43 00-0674	EA		3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	196.30	
32 93 43 00-0675	EA		8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	81.64	
32 93 43 00-0676	EA		10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	102.05	
32 93 43 00-0677	EA		12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	180.55	
32 93 43 00-0678	EA		16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	259.05	
32 93 43 00-0679	EA		2" Caliber Platanus x acerifolia & cvs - London Planetree.....	163.83	
32 93 43 00-0680	EA		2-1/2" Caliber Platanus x acerifolia & cvs - London Planetree.....	197.96	
32 93 43 00-0681	EA		3" Caliber Platanus x acerifolia & cvs - London Planetree.....	238.91	
32 93 43 00-0682	EA		3-1/2" Caliber Platanus x acerifolia & cvs - London Planetree.....	286.70	
32 93 43 00-0683	EA		4" Caliber Platanus x acerifolia & cvs - London Planetree.....	341.30	
32 93 43 00-0684	EA		2" Caliber Populus alba & cvs - White Poplar.....	163.83	
32 93 43 00-0685	EA		2-1/2" Caliber Populus alba & cvs - White Poplar.....	191.13	
32 93 43 00-0686	EA		3" Caliber Populus alba & cvs - White Poplar.....	218.43	
32 93 43 00-0687	EA		3-1/2" Caliber Populus alba & cvs - White Poplar.....	259.39	
32 93 43 00-0688	EA		4" Caliber Populus alba & cvs - White Poplar.....	286.70	
32 93 43 00-0689	EA		4-1/2" Caliber Populus alba & cvs - White Poplar.....	327.65	
32 93 43 00-0690	EA		2" Caliber Populus deltoides & cvs - Eastern Cottonwood.....	150.17	
32 93 43 00-0691	EA		2-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood.....	197.96	
32 93 43 00-0692	EA		3" Caliber Populus deltoides & cvs - Eastern Cottonwood.....	238.91	
32 93 43 00-0693	EA		3-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood.....	286.70	
32 93 43 00-0694	EA		4" Caliber Populus deltoides & cvs - Eastern Cottonwood.....	341.30	
32 93 43 00-0695	EA		6' To 8' Quercus acutissima - Sawtooth Oak.....	51.33	
32 93 43 00-0696	EA		8' To 10' Quercus acutissima - Sawtooth Oak.....	77.00	
32 93 43 00-0697	EA		10' To 12' Quercus acutissima - Sawtooth Oak.....	89.84	
32 93 43 00-0698	EA		1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak.....	102.67	
32 93 43 00-0699	EA		2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak.....	115.50	
32 93 43 00-0700	EA		2" Caliber Quercus alba - White Oak.....	204.78	
32 93 43 00-0701	EA		2-1/2" Caliber Quercus alba - White Oak.....	238.91	
32 93 43 00-0702	EA		3" Caliber Quercus alba - White Oak.....	300.35	
32 93 43 00-0703	EA		3-1/2" Caliber Quercus alba - White Oak.....	375.43	
32 93 43 00-0704	EA		4" Caliber Quercus alba - White Oak.....	443.70	
32 93 43 00-0705	EA		4-1/2" Caliber Quercus alba - White Oak.....	546.09	
32 93 43 00-0706	EA		5" Caliber Quercus alba - White Oak.....	648.48	
32 93 43 00-0707	EA		2" Caliber Quercus bicolor - Swamp White Oak.....	238.91	
32 93 43 00-0708	EA		2-1/2" Caliber Quercus bicolor - Swamp White Oak.....	273.04	
32 93 43 00-0709	EA		3" Caliber Quercus bicolor - Swamp White Oak.....	314.00	
32 93 43 00-0710	EA		3-1/2" Caliber Quercus bicolor - Swamp White Oak.....	348.13	
32 93 43 00-0711	EA		4" Caliber Quercus bicolor - Swamp White Oak.....	395.91	
32 93 43 00-0712	EA		4-1/2" Caliber Quercus bicolor - Swamp White Oak.....	436.87	
32 93 43 00-0713	EA		5" Caliber Quercus bicolor - Swamp White Oak.....	491.48	
32 93 43 00-0714	EA		10' Clump Form Quercus bicolor - Swamp White Oak.....	341.30	
32 93 43 00-0715	EA		12' Clump Form Quercus bicolor - Swamp White Oak.....	409.57	
32 93 43 00-0716	EA		14' Clump Form Quercus bicolor - Swamp White Oak.....	477.83	
32 93 43 00-0717	EA		16' Clump Form Quercus bicolor - Swamp White Oak.....	546.09	
32 93 43 00-0718	EA		2" Caliper Quercus coccinea - Scarlet Oak.....	177.48	
32 93 43 00-0719	EA		2-1/2" Caliper Quercus coccinea - Scarlet Oak.....	225.26	
32 93 43 00-0720	EA		3" Caliper Quercus coccinea - Scarlet Oak.....	279.87	
32 93 43 00-0721	EA		3-1/2" Caliper Quercus coccinea - Scarlet Oak.....	341.30	
32 93 43 00-0722	EA		4" Caliper Quercus coccinea - Scarlet Oak.....	409.57	
32 93 43 00-0723	EA		4-1/2" Caliper Quercus coccinea - Scarlet Oak.....	484.65	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0724	EA	5" Caliper Quercus coccinea - Scarlet Oak.....	566.57	
32 93 43 00-0725	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	177.48	
32 93 43 00-0726	EA	2" Caliper Quercus imbricaria - Shingle Oak	238.91	
32 93 43 00-0727	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	320.83	
32 93 43 00-0728	EA	3" Caliper Quercus imbricaria - Shingle Oak.....	477.83	
32 93 43 00-0729	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	648.48	
32 93 43 00-0730	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	177.48	
32 93 43 00-0731	EA	2" Caliper Quercus macrocarpa - Bur Oak.....	211.61	
32 93 43 00-0732	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	252.57	
32 93 43 00-0733	EA	3" Caliper Quercus macrocarpa - Bur Oak.....	307.17	
32 93 43 00-0734	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	375.43	
32 93 43 00-0735	EA	4" Caliper Quercus macrocarpa - Bur Oak.....	443.70	
32 93 43 00-0736	EA	9' Clump Form Quercus macrocarpa - Bur Oak.....	409.57	
32 93 43 00-0737	EA	10' Clump Form Quercus macrocarpa - Bur Oak	477.83	
32 93 43 00-0738	EA	12' Clump Form Quercus macrocarpa - Bur Oak	546.09	
32 93 43 00-0739	EA	2" Caliber Quercus palustris - Pin Oak.....	150.17	
32 93 43 00-0740	EA	2-1/2" Caliber Quercus palustris - Pin Oak	204.78	
32 93 43 00-0741	EA	3" Caliber Quercus palustris - Pin Oak.....	266.22	
32 93 43 00-0742	EA	3-1/2" Caliber Quercus palustris - Pin Oak	307.17	
32 93 43 00-0743	EA	4" Caliber Quercus palustris - Pin Oak.....	354.96	
32 93 43 00-0744	EA	4-1/2" Caliber Quercus palustris - Pin Oak	402.74	
32 93 43 00-0745	EA	5" Caliber Quercus palustris - Pin Oak.....	443.70	
32 93 43 00-0746	EA	2" Caliber Quercus robur & cvs - English Oak	177.48	
32 93 43 00-0747	EA	2-1/2" Caliber Quercus robur & cvs - English Oak	218.43	
32 93 43 00-0748	EA	3" Caliber Quercus robur & cvs - English Oak	259.39	
32 93 43 00-0749	EA	3-1/2" Caliber Quercus robur & cvs - English Oak	307.17	
32 93 43 00-0750	EA	4" Caliber Quercus robur & cvs - English Oak	354.96	
32 93 43 00-0751	EA	4-1/2" Caliber Quercus robur & cvs - English Oak	409.57	
32 93 43 00-0752	EA	5" Caliber Quercus robur & cvs - English Oak	464.17	
32 93 43 00-0753	EA	2" Caliber Quercus rubra - Red Oak.....	204.78	
32 93 43 00-0754	EA	2-1/2" Caliber Quercus rubra - Red Oak.....	238.91	
32 93 43 00-0755	EA	3" Caliber Quercus rubra - Red Oak	286.70	
32 93 43 00-0756	EA	3-1/2" Caliber Quercus rubra - Red Oak.....	341.30	
32 93 43 00-0757	EA	4" Caliber Quercus rubra - Red Oak.....	409.57	
32 93 43 00-0758	EA	4-1/2" Caliber Quercus rubra - Red Oak.....	477.83	
32 93 43 00-0759	EA	5" Caliber Quercus rubra - Red Oak	546.09	
32 93 43 00-0760	EA	16' Clump Form Quercus rubra - Red Oak	443.70	
32 93 43 00-0761	EA	18' Clump Form Quercus rubra - Red Oak	532.43	
32 93 43 00-0762	EA	20' Clump Form Quercus rubra - Red Oak	593.87	
32 93 43 00-0763	EA	2" Caliber Quercus shumardii - Shumard Oak	232.09	
32 93 43 00-0764	EA	2-1/2" Caliber Quercus shumardii - Shumard Oak	293.52	
32 93 43 00-0765	EA	3" Caliber Quercus shumardii - Shumard Oak	341.30	
32 93 43 00-0766	EA	3-1/2" Caliber Quercus shumardii - Shumard Oak	409.57	
32 93 43 00-0767	EA	4" Caliber Quercus shumardii - Shumard Oak	477.83	
32 93 43 00-0768	EA	4-1/2" Caliber Quercus shumardii - Shumard Oak	546.09	
32 93 43 00-0769	EA	5" Caliber Quercus shumardii - Shumard Oak	614.35	
32 93 43 00-0770	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	406.57	
32 93 43 00-0771	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	547.93	
32 93 43 00-0772	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	741.04	
32 93 43 00-0773	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	989.10	
32 93 43 00-0774	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	1,193.20	
32 93 43 00-0775	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,318.80	
32 93 43 00-0776	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,774.10	
32 93 43 00-0777	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak	2,229.40	
32 93 43 00-0778	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,684.70	
32 93 43 00-0779	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	3,257.75	
32 93 43 00-0780	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,830.80	
32 93 43 00-0781	EA	2" Caliber Quercus schuettii - Swamp Bur Oak	204.78	
32 93 43 00-0782	EA	2-1/2" Caliber Quercus schuettii - Swamp Bur Oak	245.74	
32 93 43 00-0783	EA	3" Caliber Quercus schuettii - Swamp Bur Oak	307.17	
32 93 43 00-0784	EA	3-1/2" Caliber Quercus schuettii - Swamp Bur Oak	375.43	
32 93 43 00-0785	EA	4" Caliber Quercus schuettii - Swamp Bur Oak	436.87	
32 93 43 00-0786	EA	4-1/2" Caliber Quercus schuettii - Swamp Bur Oak	491.48	
32 93 43 00-0787	EA	2" Caliper Salix alba & cvs - White Willow	109.22	
32 93 43 00-0788	EA	2-1/2" Caliper Salix alba & cvs - White Willow	129.70	
32 93 43 00-0789	EA	3" Caliper Salix alba & cvs - White Willow	170.65	
32 93 43 00-0790	EA	3-1/2" Caliper Salix alba & cvs - White Willow	204.78	
32 93 43 00-0791	EA	4" Caliper Salix alba & cvs - White Willow	245.74	
32 93 43 00-0792	EA	4-1/2" Caliper Salix alba & cvs - White Willow	286.70	
32 93 43 00-0793	EA	5" Caliper Salix alba & cvs - White Willow	327.65	
32 93 43 00-0794	EA	24" Box Salix babylonica - Weeping Willow	172.54	
32 93 43 00-0795	EA	36" Box Salix babylonica - Weeping Willow	431.36	
32 93 43 00-0796	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	99.23	
32 93 43 00-0797	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	118.63	
32 93 43 00-0798	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	129.41	
32 93 43 00-0799	EA	5' Clump Form Sassafras albidum - Common Sassafras.....	129.70	
32 93 43 00-0800	EA	6' Clump Form Sassafras albidum - Common Sassafras.....	157.00	
32 93 43 00-0801	EA	7' Clump Form Sassafras albidum - Common Sassafras.....	197.96	
32 93 43 00-0802	EA	8' Clump Form Sassafras albidum - Common Sassafras.....	225.26	
32 93 43 00-0803	EA	10' Clump Form Sassafras albidum - Common Sassafras.....	252.57	
32 93 43 00-0804	EA	12' Clump Form Sassafras albidum - Common Sassafras.....	307.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0805 EA 14' Clump Form Sassafras albidum - Common Sassafras	375.43	
32 93 43 00-0806 EA 16' Clump Form Sassafras albidum - Common Sassafras	443.70	
32 93 43 00-0807 EA 1-3/4" Caliper Sophora japonica - Chinese Scholar.....	226.08	
32 93 43 00-0808 EA 2" Caliper Sophora japonica - Chinese Scholar.....	251.20	
32 93 43 00-0809 EA 2-1/2" Caliper Sophora japonica - Chinese Scholar.....	337.55	
32 93 43 00-0810 EA 3" Caliper Sophora japonica - Chinese Scholar.....	439.60	
32 93 43 00-0811 EA 3-1/2" Caliper Sophora japonica - Chinese Scholar.....	510.25	
32 93 43 00-0812 EA 10' To 12' Swietenia Mahagoni - Mahogany	120.89	
32 93 43 00-0813 EA 12' To 14' Swietenia Mahagoni - Mahogany	141.30	
32 93 43 00-0814 EA 14' To 16' Swietenia Mahagoni - Mahogany	188.40	
32 93 43 00-0815 EA 16' To 18' Swietenia Mahagoni - Mahogany	211.95	
32 93 43 00-0816 EA 2" Caliper Taxodium distichum - Common Bald Cypress	170.65	
32 93 43 00-0817 EA 2-1/2" Caliper Taxodium distichum - Common Bald Cypress	197.96	
32 93 43 00-0818 EA 3" Caliper Taxodium distichum - Common Bald Cypress	238.91	
32 93 43 00-0819 EA 3-1/2" Caliper Taxodium distichum - Common Bald Cypress	273.04	
32 93 43 00-0820 EA 4" Caliper Taxodium distichum - Common Bald Cypress	300.35	
32 93 43 00-0821 EA 6' Clump Form Taxodium distichum - Common Bald Cypress.....	150.17	
32 93 43 00-0822 EA 7' Clump Form Taxodium distichum - Common Bald Cypress.....	170.65	
32 93 43 00-0823 EA 8' Clump Form Taxodium distichum - Common Bald Cypress.....	245.74	
32 93 43 00-0824 EA 10' Clump Form Taxodium distichum - Common Bald Cypress.....	273.04	
32 93 43 00-0825 EA 12' Clump Form Taxodium distichum - Common Bald Cypress.....	307.17	
32 93 43 00-0826 EA 14' Clump Form Taxodium distichum - Common Bald Cypress.....	354.96	
32 93 43 00-0827 EA 16' Clump Form Taxodium distichum - Common Bald Cypress.....	409.57	
32 93 43 00-0828 EA 2' Thuja occidentalis - American Arborvitae.....	23.39	
32 93 43 00-0829 EA 2-1/2' Thuja occidentalis - American Arborvitae.....	25.28	
32 93 43 00-0830 EA 3' Thuja occidentalis - American Arborvitae.....	36.11	
32 93 43 00-0831 EA 4' Thuja occidentalis - American Arborvitae.....	49.61	
32 93 43 00-0832 EA 5' Thuja occidentalis - American Arborvitae.....	69.08	
32 93 43 00-0833 EA 6' Thuja occidentalis - American Arborvitae.....	95.77	
32 93 43 00-0834 EA 7' Thuja occidentalis - American Arborvitae.....	116.18	
32 93 43 00-0835 EA 8' Thuja occidentalis - American Arborvitae.....	163.28	
32 93 43 00-0836 EA 2" Caliper Tilia americana & cvs - American Linden Basswood.....	170.65	
32 93 43 00-0837 EA 2-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	197.96	
32 93 43 00-0838 EA 3" Caliper Tilia americana & cvs - American Linden Basswood.....	252.57	
32 93 43 00-0839 EA 3-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	293.52	
32 93 43 00-0840 EA 4" Caliper Tilia americana & cvs - American Linden; Basswood.....	334.48	
32 93 43 00-0841 EA 4-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	375.43	
32 93 43 00-0842 EA 5" Caliper Tilia americana & cvs - American Linden Basswood.....	409.57	
32 93 43 00-0843 EA 10' Clump Form Tilia americana & cvs - American Linden Basswood.....	218.43	
32 93 43 00-0844 EA 12' Clump Form Tilia americana & cvs - American Linden Basswood.....	238.91	
32 93 43 00-0845 EA 14' Clump Form Tilia americana & cvs - American Linden Basswood.....	273.04	
32 93 43 00-0846 EA 16' Clump Form Tilia americana & cvs - American Linden Basswood.....	314.00	
32 93 43 00-0847 EA 2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	171.68	
32 93 43 00-0848 EA 2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	207.38	
32 93 43 00-0849 EA 3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	238.91	
32 93 43 00-0850 EA 3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	293.52	
32 93 43 00-0851 EA 4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	334.48	
32 93 43 00-0852 EA 4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	375.43	
32 93 43 00-0853 EA 5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	416.39	
32 93 43 00-0854 EA 2" Caliper Tilia tomentosa & cvs - Silver Linden.....	191.13	
32 93 43 00-0855 EA 2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	211.61	
32 93 43 00-0856 EA 3" Caliper Tilia tomentosa & cvs - Silver Linden.....	232.09	
32 93 43 00-0857 EA 3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	259.39	
32 93 43 00-0858 EA 4" Caliper Tilia tomentosa & cvs - Silver Linden.....	300.35	
32 93 43 00-0859 EA 4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	354.96	
32 93 43 00-0860 EA 5" Caliper Tilia tomentosa & cvs - Silver Linden.....	464.17	
32 93 43 00-0861 EA 2" Caliper Tilia x euchlora - Crimean Linden.....	191.13	
32 93 43 00-0862 EA 2-1/2" Caliper Tilia x euchlora - Crimean Linden.....	245.74	
32 93 43 00-0863 EA 3" Caliper Tilia x euchlora - Crimean Linden.....	300.35	
32 93 43 00-0864 EA 3-1/2" Caliper Tilia x euchlora - Crimean Linden.....	341.30	
32 93 43 00-0865 EA 4" Caliper Tilia x euchlora - Crimean Linden.....	382.26	
32 93 43 00-0866 EA 4-1/2" Caliper Tilia x euchlora - Crimean Linden.....	430.04	
32 93 43 00-0867 EA 5" Caliper Tilia x euchlora - Crimean Linden.....	464.17	
32 93 43 00-0868 EA 2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	191.13	
32 93 43 00-0869 EA 2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	218.43	
32 93 43 00-0870 EA 3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	238.91	
32 93 43 00-0871 EA 3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	259.39	
32 93 43 00-0872 EA 4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	286.70	
32 93 43 00-0873 EA 4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	341.30	
32 93 43 00-0874 EA 5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	402.74	
32 93 43 00-0875 EA 2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	218.43	
32 93 43 00-0876 EA 2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	238.91	
32 93 43 00-0877 EA 3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	259.39	
32 93 43 00-0878 EA 3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	286.70	
32 93 43 00-0879 EA 4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	341.30	
32 93 43 00-0880 EA 4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	402.74	
32 93 43 00-0881 EA 5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	464.17	
32 93 43 00-0882 EA 2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	218.43	
32 93 43 00-0883 EA 2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	238.91	
32 93 43 00-0884 EA 3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	259.39	
32 93 43 00-0885 EA 3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	286.70	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0886	EA	4" Caliber Ulmus x 'Regal' - Regal Hybrid Elm	341.30
32 93 43 00-0887	EA	4-1/2" Caliber Ulmus x 'Regal' - Regal Hybrid Elm	402.74
32 93 43 00-0888	EA	5" Caliber Ulmus x 'Regal' - Regal Hybrid Elm	464.17
32 93 43 00-0889	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	105.65
32 93 43 00-0890	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	129.41
32 93 43 00-0891	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree	163.96
32 93 43 00-0892	EA	1-1/2" To 2" Caliber Platanus acerifolia "Bloodgold" - London Plane	139.98
32 93 43 00-0893	EA	2" To 2-1/2" Caliber Platanus acerifolia "Bloodgold" - London Plane	249.86
32 93 43 00-0894	EA	2-1/2" To 3" Caliber Platanus acerifolia "Bloodgold" - London Plane	365.76
32 93 43 00-0895	EA	3" To 3-1/2" Caliber Platanus acerifolia "Bloodgold" - London Plane	454.57
32 93 43 00-0896	EA	3-1/2" To 4" Caliber Platanus acerifolia "Bloodgold" - London Plane	588.53
32 93 43 00-0897	EA	4" To 5" Caliber Platanus acerifolia "Bloodgold" - London Plane	669.81
32 93 43 00-0898	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	176.11
32 93 43 00-0899	EA	1-1/2" Caliber Quercus suber - Cork Oak	210.73
32 93 43 00-0900	EA	2" Caliber Quercus suber - Cork Oak	292.01
32 93 43 00-0901	EA	2-1/2" Caliber Quercus suber - Cork Oak	373.29
32 93 43 00-0902	EA	3" Caliber Quercus suber - Cork Oak	466.61
32 93 43 00-0903	EA	3-1/2" Caliber Quercus suber - Cork Oak	699.92
32 93 43 00-0904	EA	4" Caliber Quercus suber - Cork Oak	903.12
32 93 43 00-0905	EA	4-1/2" Caliber Quercus suber - Cork Oak	1,174.06
32 93 43 00-0906	EA	1-1/2" Caliber Quercus ilex - Holly Oak	233.31
32 93 43 00-0907	EA	2" Caliber Quercus ilex - Holly Oak	314.59
32 93 43 00-0908	EA	2-1/2" Caliber Quercus ilex - Holly Oak	385.33
32 93 43 00-0909	EA	3" Caliber Quercus ilex - Holly Oak	466.61
32 93 43 00-0910	EA	3-1/2" Caliber Quercus ilex - Holly Oak	699.92
32 93 43 00-0911	EA	4" Caliber Quercus ilex - Holly Oak	903.12

32 93 43 00-0912**Evergreen Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0913	EA	6' Abies balsamea - Balsam Fir	80.83
32 93 43 00-0914	EA	7' Abies balsamea - Balsam Fir	101.03
32 93 43 00-0915	EA	8' Abies balsamea - Balsam Fir	121.24
32 93 43 00-0916	EA	9' Abies balsamea - Balsam Fir	161.65
32 93 43 00-0917	EA	10' Abies balsamea - Balsam Fir	202.07
32 93 43 00-0918	EA	12' Abies balsamea - Balsam Fir	242.48
32 93 43 00-0919	EA	6' Abies concolor - White Fir	117.20
32 93 43 00-0920	EA	7' Abies concolor - White Fir	133.36
32 93 43 00-0921	EA	8' Abies concolor - White Fir	157.61
32 93 43 00-0922	EA	9' Abies concolor - White Fir	181.86
32 93 43 00-0923	EA	10' Abies concolor - White Fir	214.19
32 93 43 00-0924	EA	12' Abies concolor - White Fir	262.68
32 93 43 00-0925	EA	14' Abies concolor - White Fir	323.30
32 93 43 00-0926	EA	16' Abies concolor - White Fir	363.72
32 93 43 00-0927	EA	6' Abies fraseri - Frasier Fir	80.83
32 93 43 00-0928	EA	7' Abies fraseri - Frasier Fir	101.03
32 93 43 00-0929	EA	8' Abies fraseri - Frasier Fir	121.24
32 93 43 00-0930	EA	9' Abies fraseri - Frasier Fir	161.65
32 93 43 00-0931	EA	10' Abies fraseri - Frasier Fir	202.07
32 93 43 00-0932	EA	12' Abies fraseri - Frasier Fir	242.48
32 93 43 00-0933	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	14.56
32 93 43 00-0934	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	23.40
32 93 43 00-0935	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	34.77
32 93 43 00-0936	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	46.77
32 93 43 00-0937	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	66.41
32 93 43 00-0938	EA	5 Gallon Cedrus deodara - Indian Cedar	8.33
32 93 43 00-0939	EA	6' To 8' Cedrus deodara - Indian Cedar	60.09
32 93 43 00-0940	EA	8' To 10' Cedrus deodara - Indian Cedar	69.57
32 93 43 00-0941	EA	10' To 12' Cedrus deodara - Indian Cedar	94.85
32 93 43 00-0942	EA	12' To 14' Cedrus deodara - Indian Cedar	123.30
32 93 43 00-0943	EA	14' To 16' Cedrus deodara - Indian Cedar	158.10
32 93 43 00-0944	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	18.78
32 93 43 00-0945	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	28.17
32 93 43 00-0946	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	43.83
32 93 43 00-0947	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	75.13
32 93 43 00-0948	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	22.76
32 93 43 00-0949	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	35.44
32 93 43 00-0950	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	44.25
32 93 43 00-0951	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	63.25
32 93 43 00-0952	EA	1 Gallon Cleyera japonica - Japanese Cleyera	2.56
32 93 43 00-0953	EA	3 Gallon Cleyera japonica - Japanese Cleyera	6.43
32 93 43 00-0954	EA	7 Gallon Cleyera japonica - Japanese Cleyera	18.41
32 93 43 00-0955	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	10.33
32 93 43 00-0956	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	41.33
32 93 43 00-0957	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	18.08
32 93 43 00-0958	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	23.25
32 93 43 00-0959	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	36.17
32 93 43 00-0960	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	87.83
32 93 43 00-0961	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.88
32 93 43 00-0962	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	8.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0963 EA 15 Gallon Cupressus macrocarpa - Monterey Cypress	28.26	
32 93 43 00-0964 EA 5 Gallon Cupressus sempervirens - Italian Cypress	9.73	
32 93 43 00-0965 EA 15 Gallon Cupressus sempervirens - Italian Cypress	26.74	
32 93 43 00-0966 EA 1 Gallon Illicium anisatum - Anise Tree	2.78	
32 93 43 00-0967 EA 3 Gallon Illicium anisatum - Anise Tree	6.43	
32 93 43 00-0968 EA 1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	2.86	
32 93 43 00-0969 EA 2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	5.59	
32 93 43 00-0970 EA 3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	6.93	
32 93 43 00-0971 EA 5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.14	
32 93 43 00-0972 EA 1 Gallon Juniperus - Blue Sargent Juniper	2.86	
32 93 43 00-0973 EA 2 Gallon Juniperus - Blue Sargent Juniper	5.59	
32 93 43 00-0974 EA 3 Gallon Juniperus - Blue Sargent Juniper	6.93	
32 93 43 00-0975 EA 5 Gallon Juniperus - Blue Sargent Juniper	8.14	
32 93 43 00-0976 EA 5 Gallon Juniperus - Compact Pfitzer Juniper.....	8.14	
32 93 43 00-0977 EA 15" To 18" Juniperus - Compact Pfitzer Juniper	8.81	
32 93 43 00-0978 EA 18" To 24" Juniperus - Compact Pfitzer Juniper	10.64	
32 93 43 00-0979 EA 2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	15.80	
32 93 43 00-0980 EA 2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	18.30	
32 93 43 00-0981 EA 5' To 6' Juniperus - Fairview Juniper	27.25	
32 93 43 00-0982 EA 1 Gallon Juniperus - Hollywood Juniper	3.65	
32 93 43 00-0983 EA 5 Gallon Juniperus - Hollywood Juniper	10.15	
32 93 43 00-0984 EA 15 Gallon Juniperus - Hollywood Juniper	43.03	
32 93 43 00-0985 EA 4' To 5' Juniperus - Hollywood Juniper	28.45	
32 93 43 00-0986 EA 5' To 6' Juniperus - Hollywood Juniper	36.65	
32 93 43 00-0987 EA 1 Gallon Juniperus - Parson's Juniper	2.86	
32 93 43 00-0988 EA 2 Gallon Juniperus - Parson's Juniper	5.65	
32 93 43 00-0989 EA 3 Gallon Juniperus - Parson's Juniper	6.99	
32 93 43 00-0990 EA 5 Gallon Juniperus - Parson's Juniper	8.27	
32 93 43 00-0991 EA 5 Gallon Juniperus - Skyrocket Juniper	10.21	
32 93 43 00-0992 EA 15 Gallon Juniperus - Skyrocket Juniper	43.46	
32 93 43 00-0993 EA 2' To 3' Juniperus - Skyrocket Juniper	15.32	
32 93 43 00-0994 EA 3' To 4' Juniperus - Skyrocket Juniper	21.70	
32 93 43 00-0995 EA 4' To 5' Juniperus - Skyrocket Juniper	28.75	
32 93 43 00-0996 EA 5' To 6' Juniperus - Skyrocket Juniper	37.08	
32 93 43 00-0997 EA 6' To 8' Juniperus - Skyrocket Juniper	47.90	
32 93 43 00-0998 EA 1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86	
32 93 43 00-0999 EA 2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62	
32 93 43 00-1000 EA 3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90	
32 93 43 00-1001 EA 5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18	
32 93 43 00-1002 EA 1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86	
32 93 43 00-1003 EA 2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62	
32 93 43 00-1004 EA 3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90	
32 93 43 00-1005 EA 5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18	
32 93 43 00-1006 EA 2' To 3' Juniperus virginiana - Eastern Red Cedar.....	15.32	
32 93 43 00-1007 EA 3' To 4' Juniperus virginiana - Eastern Red Cedar.....	21.70	
32 93 43 00-1008 EA 4' To 5' Juniperus virginiana - Eastern Red Cedar.....	28.75	
32 93 43 00-1009 EA 5' To 6' Juniperus virginiana - Eastern Red Cedar.....	37.08	
32 93 43 00-1010 EA 5' Picea abies & cvs - Norway Spruce	88.91	
32 93 43 00-1011 EA 6' Picea abies & cvs - Norway Spruce	101.03	
32 93 43 00-1012 EA 7' Picea abies & cvs - Norway Spruce	121.24	
32 93 43 00-1013 EA 8' Picea abies & cvs - Norway Spruce	141.45	
32 93 43 00-1014 EA 9' Picea abies & cvs - Norway Spruce	189.94	
32 93 43 00-1015 EA 10' Picea abies & cvs - Norway Spruce	230.35	
32 93 43 00-1016 EA 12' Picea abies & cvs - Norway Spruce	282.89	
32 93 43 00-1017 EA 14' Picea abies & cvs - Norway Spruce	343.51	
32 93 43 00-1018 EA 6' Picea glauca - White Spruce.....	84.87	
32 93 43 00-1019 EA 7' Picea glauca - White Spruce.....	121.24	
32 93 43 00-1020 EA 8' Picea glauca - White Spruce.....	141.45	
32 93 43 00-1021 EA 9' Picea glauca - White Spruce.....	169.73	
32 93 43 00-1022 EA 10' Picea glauca - White Spruce.....	202.07	
32 93 43 00-1023 EA 12' Picea glauca - White Spruce.....	242.48	
32 93 43 00-1024 EA 4' Picea glauca densata - Black Hills Spruce	48.50	
32 93 43 00-1025 EA 5' Picea glauca densata - Black Hills Spruce	72.74	
32 93 43 00-1026 EA 6' Picea glauca densata - Black Hills Spruce	109.12	
32 93 43 00-1027 EA 7' Picea glauca densata - Black Hills Spruce	129.32	
32 93 43 00-1028 EA 8' Picea glauca densata - Black Hills Spruce	149.53	
32 93 43 00-1029 EA 9' Picea glauca densata - Black Hills Spruce	165.69	
32 93 43 00-1030 EA 10' Picea glauca densata - Black Hills Spruce	181.86	
32 93 43 00-1031 EA 6' Picea omorika & cvs - Serbian Spruce.....	109.12	
32 93 43 00-1032 EA 7' Picea omorika & cvs - Serbian Spruce.....	121.24	
32 93 43 00-1033 EA 8' Picea omorika & cvs - Serbian Spruce.....	145.49	
32 93 43 00-1034 EA 9' Picea omorika & cvs - Serbian Spruce.....	169.73	
32 93 43 00-1035 EA 10' Picea omorika & cvs - Serbian Spruce.....	193.98	
32 93 43 00-1036 EA 5' Picea pungens - Colorado Green Spruce	88.91	
32 93 43 00-1037 EA 6' Picea pungens - Colorado Green Spruce	113.16	
32 93 43 00-1038 EA 7' Picea pungens - Colorado Green Spruce	133.36	
32 93 43 00-1039 EA 8' Picea pungens - Colorado Green Spruce	153.57	
32 93 43 00-1040 EA 9' Picea pungens - Colorado Green Spruce	177.82	
32 93 43 00-1041 EA 10' Picea pungens - Colorado Green Spruce	335.43	
32 93 43 00-1042 EA 12' Picea pungens - Colorado Green Spruce	242.48	
32 93 43 00-1043 EA 14' Picea pungens - Colorado Green Spruce	282.89	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-1044	EA	16' Picea pungens - Colorado Green Spruce.....	363.72	
32 93 43 00-1045	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	88.91	
32 93 43 00-1046	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	121.24	
32 93 43 00-1047	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	141.45	
32 93 43 00-1048	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	161.65	
32 93 43 00-1049	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	181.86	
32 93 43 00-1050	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	222.27	
32 93 43 00-1051	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	282.89	
32 93 43 00-1052	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	424.34	
32 93 43 00-1053	EA	4' Pinus cembra - Swiss Stone Pine	68.70	
32 93 43 00-1054	EA	5' Pinus cembra - Swiss Stone Pine	84.87	
32 93 43 00-1055	EA	6' Pinus cembra - Swiss Stone Pine	105.07	
32 93 43 00-1056	EA	6' Pinus flexilis & cvs - Limber Pine	101.03	
32 93 43 00-1057	EA	7' Pinus flexilis & cvs - Limber Pine	117.20	
32 93 43 00-1058	EA	8' Pinus flexilis & cvs - Limber Pine	145.49	
32 93 43 00-1059	EA	9' Pinus flexilis & cvs - Limber Pine	177.82	
32 93 43 00-1060	EA	10' Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-1061	EA	2 Gallon Pinus mugo - Mugho Pine	7.96	
32 93 43 00-1062	EA	3 Gallon Pinus mugo - Mugho Pine	9.97	
32 93 43 00-1063	EA	5 Gallon Pinus mugo - Mugho Pine	12.64	
32 93 43 00-1064	EA	12" To 15" Spread Pinus mugo - Mugho Pine.....	9.79	
32 93 43 00-1065	EA	15" To 18" Spread Pinus mugo - Mugho Pine.....	11.67	
32 93 43 00-1066	EA	18" To 24" Spread Pinus mugo - Mugho Pine.....	15.80	
32 93 43 00-1067	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine.....	22.13	
32 93 43 00-1068	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine.....	28.45	
32 93 43 00-1069	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine.....	35.44	
32 93 43 00-1070	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine.....	43.03	
32 93 43 00-1071	EA	6' Pinus nigra - Austrian Pine.....	101.03	
32 93 43 00-1072	EA	7' Pinus nigra - Austrian Pine.....	121.24	
32 93 43 00-1073	EA	8' Pinus nigra - Austrian Pine.....	157.61	
32 93 43 00-1074	EA	9' Pinus nigra - Austrian Pine.....	181.86	
32 93 43 00-1075	EA	10' Pinus nigra - Austrian Pine.....	214.19	
32 93 43 00-1076	EA	12' Pinus nigra - Austrian Pine.....	242.48	
32 93 43 00-1077	EA	14' Pinus nigra - Austrian Pine.....	270.77	
32 93 43 00-1078	EA	16' Pinus nigra - Austrian Pine.....	307.14	
32 93 43 00-1079	EA	5' Pinus peuce - Macedonian Pine.....	125.28	
32 93 43 00-1080	EA	6' Pinus peuce - Macedonian Pine.....	157.61	
32 93 43 00-1081	EA	7' Pinus peuce - Macedonian Pine.....	181.86	
32 93 43 00-1082	EA	8' Pinus peuce - Macedonian Pine.....	206.11	
32 93 43 00-1083	EA	9' Pinus peuce - Macedonian Pine.....	238.44	
32 93 43 00-1084	EA	2' Pinus strobus - Pyramidal White Pine	11.19	
32 93 43 00-1085	EA	3' Pinus strobus - Pyramidal White Pine	14.95	
32 93 43 00-1086	EA	4' Pinus strobus - Pyramidal White Pine	16.50	
32 93 43 00-1087	EA	5' Pinus strobus - Pyramidal White Pine	18.04	
32 93 43 00-1088	EA	6' Pinus strobus - Pyramidal White Pine	22.48	
32 93 43 00-1089	EA	7' Pinus strobus - Pyramidal White Pine	29.91	
32 93 43 00-1090	EA	8' Pinus strobus - Pyramidal White Pine	41.10	
32 93 43 00-1091	EA	10' Pinus strobus - Pyramidal White Pine	82.01	
32 93 43 00-1092	EA	12' Pinus strobus - Pyramidal White Pine	194.89	
32 93 43 00-1093	EA	14' Pinus strobus - Pyramidal White Pine	261.47	
32 93 43 00-1094	EA	16' Pinus strobus - Pyramidal White Pine	314.53	
32 93 43 00-1095	EA	2' Pinus strobus - White Pine.....	17.20	
32 93 43 00-1096	EA	3' Pinus strobus - White Pine.....	24.54	
32 93 43 00-1097	EA	4' Pinus strobus - White Pine.....	39.13	
32 93 43 00-1098	EA	5' Pinus strobus - White Pine.....	55.77	
32 93 43 00-1099	EA	6' Pinus strobus - White Pine.....	81.80	
32 93 43 00-1100	EA	7' Pinus strobus - White Pine.....	97.60	
32 93 43 00-1101	EA	8' Pinus strobus - White Pine.....	131.99	
32 93 43 00-1102	EA	10' Pinus strobus - White Pine.....	177.53	
32 93 43 00-1103	EA	12' Pinus strobus - White Pine.....	235.16	
32 93 43 00-1104	EA	14' Pinus strobus - White Pine.....	288.14	
32 93 43 00-1105	EA	16' Pinus strobus - White Pine.....	350.42	
32 93 43 00-1106	EA	3' Pinus sylvestris - Scotch Pine	26.55	
32 93 43 00-1107	EA	4' Pinus sylvestris - Scotch Pine	36.86	
32 93 43 00-1108	EA	5' Pinus sylvestris - Scotch Pine	51.73	
32 93 43 00-1109	EA	6' Pinus sylvestris - Scotch Pine	71.77	
32 93 43 00-1110	EA	7' Pinus sylvestris - Scotch Pine	87.94	
32 93 43 00-1111	EA	8' Pinus sylvestris - Scotch Pine	124.15	
32 93 43 00-1112	EA	9' Pinus sylvestris - Scotch Pine	157.61	
32 93 43 00-1113	EA	10' Pinus sylvestris - Scotch Pine.....	181.86	
32 93 43 00-1114	EA	12' Pinus sylvestris - Scotch Pine	214.19	
32 93 43 00-1115	EA	14' Pinus sylvestris - Scotch Pine	242.48	
32 93 43 00-1116	EA	16' Pinus sylvestris - Scotch Pine.....	282.89	
32 93 43 00-1117	EA	5' To 6' Pinus taeda - Loblolly Pine	11.56	
32 93 43 00-1118	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	2.86	
32 93 43 00-1119	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	10.15	
32 93 43 00-1120	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	32.88	
32 93 43 00-1121	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	13.92	
32 93 43 00-1122	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	17.69	
32 93 43 00-1123	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	26.56	
32 93 43 00-1124	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	51.85	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1125	EA	6'	To 7' Pinus Thunbergiana - Japanese Black Pine.....	58.17	
32 93 43 00-1126	EA	7'	To 8' Pinus thunbergiana - Japanese Black Pine.....	72.70	
32 93 43 00-1127	EA	1	Gallon Pinus mugo - Mugho Pine.....	3.77	
32 93 43 00-1128	EA	1	Gallon Podocarpus - Chinese Podocarpus.....	1.88	
32 93 43 00-1129	EA	3	Gallon Podocarpus - Chinese Podocarpus.....	4.38	
32 93 43 00-1130	EA	7	Gallon Podocarpus - Chinese Podocarpus.....	12.64	
32 93 43 00-1131	EA	15	Gallon Podocarpus - Chinese Podocarpus.....	20.54	
32 93 43 00-1132	EA	4'	To 5' Podocarpus - Chinese Podocarpus.....	31.61	
32 93 43 00-1133	EA	5'	Pseudotsuga menziesii - Douglas Fir.....	80.83	
32 93 43 00-1134	EA	6'	Pseudotsuga menziesii - Douglas Fir.....	96.99	
32 93 43 00-1135	EA	7'	Pseudotsuga menziesii - Douglas Fir.....	121.24	
32 93 43 00-1136	EA	8'	Pseudotsuga menziesii - Douglas Fir.....	145.49	
32 93 43 00-1137	EA	9'	Pseudotsuga menziesii - Douglas Fir.....	181.86	
32 93 43 00-1138	EA	10'	Pseudotsuga menziesii - Douglas Fir.....	214.19	
32 93 43 00-1139	EA	12'	Pseudotsuga menziesii - Douglas Fir.....	242.48	
32 93 43 00-1140	EA	5'	To 6' Sequoia sempervirens - Dawn Redwood.....	39.51	
32 93 43 00-1141	EA	6'	To 8' Sequoia sempervirens - Dawn Redwood.....	53.34	
32 93 43 00-1142	EA	8'	To 10' Sequoia sempervirens - Dawn Redwood.....	65.19	
32 93 43 00-1143	EA	5'	To 6' Taxodium distichum - Bald Cypress.....	28.08	
32 93 43 00-1144	EA	6'	To 7' Taxodium distichum - Bald Cypress.....	35.10	
32 93 43 00-1145	EA	7'	To 8' Taxodium distichum - Bald Cypress.....	43.40	
32 93 43 00-1146	EA	8'	To 10' Taxodium distichum - Bald Cypress.....	54.92	
32 93 43 00-1147	EA	6'	Tsuga canadensis - Northern Hemlock.....	80.83	
32 93 43 00-1148	EA	7'	Tsuga canadensis - Northern Hemlock.....	101.03	
32 93 43 00-1149	EA	8'	Tsuga canadensis - Northern Hemlock.....	137.40	
32 93 43 00-1150	EA	9'	Tsuga canadensis - Northern Hemlock.....	161.65	
32 93 43 00-1151	EA	10'	Tsuga canadensis - Northern Hemlock.....	181.86	
32 93 43 00-1152	EA	12'	Tsuga canadensis - Northern Hemlock.....	202.07	
32 93 43 00-1153	EA	3'	To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....	7.62	
32 93 43 00-1154	EA	3'	To 4' Thuja occidentalis 'Woodwadii' - Woodward Arborvitae.....	12.45	
32 93 43 00-1155	EA	6'	Cedrus decurrens - Incese Cedar.....	67.85	
32 93 43 00-1156	EA	8'	Cedrus decurrens - Incese Cedar.....	140.35	
32 93 43 00-1157	EA	10'	Cedrus decurrens - Incese Cedar.....	185.90	
32 93 43 00-1158	EA	12'	Cedrus decurrens - Incese Cedar.....	246.32	
32 93 43 00-1159	EA	6'	Melaleuca linarifolia - Flaxleaf Paperbark.....	195.20	
32 93 43 00-1160	EA	8'	Melaleuca linarifolia - Flaxleaf Paperbark.....	260.26	
32 93 43 00-1161	EA	10'	Melaleuca linarifolia - Flaxleaf Paperbark.....	325.32	
32 93 43 00-1162	EA	12'	Melaleuca linarifolia - Flaxleaf Paperbark.....	390.39	
32 93 43 00-1163	EA	24"	Box Melaleuca linarifolia - Flaxleaf Paperbark.....	114.79	
32 93 43 00-1164	EA	6'	Melaleuca quinquenervia - Cajeput Tree.....	195.20	
32 93 43 00-1165	EA	8'	Melaleuca quinquenervia - Cajeput Tree.....	260.26	
32 93 43 00-1166	EA	10'	Melaleuca quinquenervia - Cajeput Tree.....	325.32	
32 93 43 00-1167	EA	12'	Melaleuca quinquenervia - Cajeput Tree.....	390.39	
32 93 43 00-1168	EA	24"	Box Melaleuca quinquenervia - Cajeput Tree.....	108.75	
32 93 43 00-1169	EA	30"	Box Melaleuca quinquenervia - Cajeput Tree.....	274.20	
32 93 43 00-1170	EA	36"	Box Melaleuca quinquenervia - Cajeput Tree.....	432.22	
32 93 43 00-1171	EA	4'	Metrosideros excelsus - New Zealand Christmas Tree.....	57.63	
32 93 43 00-1172	EA	5'	Metrosideros excelsus - New Zealand Christmas Tree.....	78.08	
32 93 43 00-1173	EA	6'	Metrosideros excelsus - New Zealand Christmas Tree.....	132.92	
32 93 43 00-1174	EA	8'	Metrosideros excelsus - New Zealand Christmas Tree.....	164.52	
32 93 43 00-1175	EA	24"	Box Metrosideros excelsus - New Zealand Christmas Tree.....	145.00	
32 93 43 00-1176	EA	6'	Pinus canariensis - Canary Island Pine.....	223.08	
32 93 43 00-1177	EA	8'	Pinus canariensis - Canary Island Pine.....	297.44	
32 93 43 00-1178	EA	10'	Pinus canariensis - Canary Island Pine.....	371.80	
32 93 43 00-1179	EA	12'	Pinus canariensis - Canary Island Pine.....	446.16	
32 93 43 00-1180	EA	24"	Box Pinus canariensis - Canary Island Pine.....	132.92	
32 93 43 00-1181	EA	6'	Pinus pinea - Italian Stone Pine.....	223.08	
32 93 43 00-1182	EA	8'	Pinus pinea - Italian Stone Pine.....	297.44	
32 93 43 00-1183	EA	10'	Pinus pinea - Italian Stone Pine.....	371.80	
32 93 43 00-1184	EA	12'	Pinus pinea - Italian Stone Pine.....	446.16	
32 93 43 00-1185	EA	6'	Pittosporum undulatum - Victorian Box.....	122.69	
32 93 43 00-1186	EA	8'	Pittosporum undulatum - Victorian Box.....	194.27	
32 93 43 00-1187	EA	10'	Pittosporum undulatum - Victorian Box.....	255.61	
32 93 43 00-1188	EA	6'	Podocarpus gracilior - African Fern Pine.....	232.38	
32 93 43 00-1189	EA	8'	Podocarpus gracilior - African Fern Pine.....	306.74	
32 93 43 00-1190	EA	10'	Podocarpus gracilior - African Fern Pine.....	390.39	
32 93 43 00-1191	EA	12'	Podocarpus gracilior - African Fern Pine.....	464.75	
32 93 43 00-1192	EA	24"	Box Podocarpus gracilior - African Fern Pine.....	108.75	
32 93 43 00-1193	EA	1	Gallon Podocarpus macrophyllus - Yew Pine.....	4.32	
32 93 43 00-1194	EA	3	Gallon Podocarpus macrophyllus - Yew Pine.....	10.13	
32 93 43 00-1195	EA	5	Gallon Podocarpus macrophyllus - Yew Pine.....	13.29	
32 93 43 00-1196	EA	15	Gallon Podocarpus macrophyllus - Yew Pine.....	57.63	
32 93 43 00-1197	EA	24"	Box Podocarpus macrophyllus - Yew Pine.....	111.54	
32 93 43 00-1198	EA	24"	Box Rhus lancea - African Sumac.....	114.79	
32 93 43 00-1199	EA	30"	Box Rhus lancea - African Sumac.....	185.90	
32 93 43 00-1200	EA	8'	Rhus lancea - African Sumac.....	278.85	
32 93 43 00-1201	EA	10'	Rhus lancea - African Sumac.....	311.38	
32 93 43 00-1202	EA	12'	Rhus lancea - African Sumac.....	371.80	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 93 43 00-1203**Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1204	EA	4' To 5' Acacia baileyana - Bailey Acacia.....	262.50
32 93 43 00-1205	EA	6' Acacia baileyana - Bailey Acacia.....	315.00
32 93 43 00-1206	EA	8' Acacia baileyana - Bailey Acacia.....	367.50
32 93 43 00-1207	EA	10' Acacia baileyana - Bailey Acacia.....	459.38
32 93 43 00-1208	EA	6' Agonis flexuosa - Peppermint.....	157.50
32 93 43 00-1209	EA	8' Agonis flexuosa - Peppermint.....	196.88
32 93 43 00-1210	EA	10' Agonis flexuosa - Peppermint.....	236.25
32 93 43 00-1211	EA	24" Box Agonis flexuosa - Peppermint.....	196.22
32 93 43 00-1212	EA	4' To 5' Archontophoenix cunninghamiana - King Palm.....	64.97
32 93 43 00-1213	EA	6' To 8' Archontophoenix cunninghamiana - King Palm.....	101.06
32 93 43 00-1214	EA	8' To 10' Archontophoenix cunninghamiana - King Palm.....	129.94
32 93 43 00-1215	EA	10' To 12' Archontophoenix cunninghamiana - King Palm.....	173.25
32 93 43 00-1216	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm.....	49.22
32 93 43 00-1217	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm.....	68.91
32 93 43 00-1218	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm.....	88.59
32 93 43 00-1219	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm.....	108.28
32 93 43 00-1220	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm.....	131.25
32 93 43 00-1221	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm.....	164.06
32 93 43 00-1222	EA	6' Bauhinia purpurea - Purple Orchid Tree.....	354.38
32 93 43 00-1223	EA	8' Bauhinia purpurea - Purple Orchid Tree.....	472.50
32 93 43 00-1224	EA	10' Bauhinia purpurea - Purple Orchid Tree.....	590.62
32 93 43 00-1225	EA	24" Box Bauhinia purpurea - Purple Orchid Tree.....	153.56
32 93 43 00-1226	EA	6' Bauhinia variegata candida - White Orchid Tree.....	393.75
32 93 43 00-1227	EA	8' Bauhinia variegata candida - White Orchid Tree.....	525.00
32 93 43 00-1228	EA	10' Bauhinia variegata candida - White Orchid Tree.....	656.25
32 93 43 00-1229	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid.....	282.19
32 93 43 00-1230	EA	6' Bauninia blakeana - Hong Kong Orchid.....	334.69
32 93 43 00-1231	EA	8' Bauninia blakeana - Hong Kong Orchid.....	446.25
32 93 43 00-1232	EA	10' Bauninia blakeana - Hong Kong Orchid.....	557.81
32 93 43 00-1233	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	354.38
32 93 43 00-1234	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	472.50
32 93 43 00-1235	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	590.62
32 93 43 00-1236	EA	6' Callistemon viminalis - Weeping Bottle Brush.....	354.38
32 93 43 00-1237	EA	8' Callistemon viminalis - Weeping Bottle Brush.....	472.50
32 93 43 00-1238	EA	10' Callistemon viminalis - Weeping Bottle Brush.....	590.62
32 93 43 00-1239	EA	12' Callistemon viminalis - Weeping Bottle Brush.....	708.75
32 93 43 00-1240	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm.....	137.81
32 93 43 00-1241	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm.....	216.56
32 93 43 00-1242	EA	3' To 4' Chamaerops humilis - European Fan Palm.....	118.12
32 93 43 00-1243	EA	5' To 6' Chamaerops humilis - European Fan Palm.....	157.50
32 93 43 00-1244	EA	7' To 8' Chamaerops humilis - European Fan Palm.....	367.50
32 93 43 00-1245	EA	9' To 10' Chamaerops humilis - European Fan Palm.....	630.00
32 93 43 00-1246	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	91.88
32 93 43 00-1247	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	183.75
32 93 43 00-1248	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	236.25
32 93 43 00-1249	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	328.12
32 93 43 00-1250	EA	12' To 16' Cocos nucifera - Coconut Palm.....	276.77
32 93 43 00-1251	EA	6' Eriobotrya deflexa - Bronze Loquat.....	354.38
32 93 43 00-1252	EA	8' Eriobotrya deflexa - Bronze Loquat.....	472.50
32 93 43 00-1253	EA	10' Eriobotrya deflexa - Bronze Loquat.....	590.62
32 93 43 00-1254	EA	6' Eucalyptus erythrocorys - Red Cap Gum.....	354.38
32 93 43 00-1255	EA	8' Eucalyptus erythrocorys - Red Cap Gum.....	472.50
32 93 43 00-1256	EA	10' Eucalyptus erythrocorys - Red Cap Gum.....	590.62
32 93 43 00-1257	EA	6' Eucalyptus gunnii - Cider Gum.....	354.38
32 93 43 00-1258	EA	8' Eucalyptus gunnii - Cider Gum.....	472.50
32 93 43 00-1259	EA	10' Eucalyptus gunnii - Cider Gum.....	590.62
32 93 43 00-1260	EA	6' Eucalyptus leucoxylon - White Ironbark.....	354.38
32 93 43 00-1261	EA	8' Eucalyptus leucoxylon - White Ironbark.....	472.50
32 93 43 00-1262	EA	10' Eucalyptus leucoxylon - White Ironbark.....	590.62
32 93 43 00-1263	EA	12' Eucalyptus leucoxylon - White Ironbark.....	708.75
32 93 43 00-1264	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum.....	354.38
32 93 43 00-1265	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum.....	472.50
32 93 43 00-1266	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum.....	590.62
32 93 43 00-1267	EA	6' Eucalyptus torquata - Coral Gum.....	354.38
32 93 43 00-1268	EA	8' Eucalyptus torquata - Coral Gum.....	472.50
32 93 43 00-1269	EA	10' Eucalyptus torquata - Coral Gum.....	590.62
32 93 43 00-1270	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	367.50
32 93 43 00-1271	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	498.75
32 93 43 00-1272	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	616.88
32 93 43 00-1273	EA	6' Jacarandra acutifolia - Jacaranda.....	354.38
32 93 43 00-1274	EA	8' Jacarandra acutifolia - Jacaranda.....	472.50
32 93 43 00-1275	EA	10' Jacarandra acutifolia - Jacaranda.....	590.62
32 93 43 00-1276	EA	24" Box Jacarandra acutifolia - Jacaranda.....	153.56
32 93 43 00-1277	EA	6' Olea europaea - Olive "Fruitless".....	354.38
32 93 43 00-1278	EA	8' Olea europaea - Olive "Fruitless".....	472.50
32 93 43 00-1279	EA	10' Olea europaea - Olive "Fruitless".....	590.62
32 93 43 00-1280	EA	12' Olea europaea - Olive "Fruitless".....	708.75
32 93 43 00-1281	EA	24" Box Olea europaea - Olive "Fruitless".....	435.75



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1282	EA	5	Gallon Pistacia chinensis - Chinese Pistache	23.62	
32 93 43 00-1283	EA	15	Gallon Pistacia chinensis - Chinese Pistache	78.75	
32 93 43 00-1284	EA	24"	Box Pistacia chinensis - Chinese Pistache	305.81	
32 93 43 00-1285	EA	36"	Box Pistacia chinensis - Chinese Pistache	813.75	
32 93 43 00-1286	EA	48"	Box Pistacia chinensis - Chinese Pistache	1,732.50	
32 93 43 00-1287	EA	5	Gallon Pyrus kawakamii - Evergreen Pear, Single	24.41	
32 93 43 00-1288	EA	15	Gallon Pyrus kawakamii - Evergreen Pear, Single	81.38	
32 93 43 00-1289	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Single	305.81	
32 93 43 00-1290	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Single	559.12	
32 93 43 00-1291	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Single	813.75	
32 93 43 00-1292	EA	5	Gallon Pyrus kawakamii - Evergreen Pear, Multi	24.41	
32 93 43 00-1293	EA	15	Gallon Pyrus kawakamii - Evergreen Pear, Multi	86.62	
32 93 43 00-1294	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Multi	315.00	
32 93 43 00-1295	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Multi	559.12	
32 93 43 00-1296	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Multi	813.75	
32 93 43 00-1297	EA	9'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	98.44	
32 93 43 00-1298	EA	11'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	164.06	
32 93 43 00-1299	EA	15'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	249.38	
32 93 43 00-1300	EA	17'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	282.19	
32 93 43 00-1301	EA	20'	Ptychosperma elegans - Alexander Palm, Solitaire Palm	328.12	
32 93 43 00-1302	EA	4' To 5'	Rhapis excelsa - Lady Palm	249.38	
32 93 43 00-1303	EA	6' To 7'	Rhapis excelsa - Lady Palm	354.38	
32 93 43 00-1304	EA	8' To 9'	Roystonea regia - Royal Palm	200.81	
32 93 43 00-1305	EA	10' To 11'	Roystonea regia - Royal Palm	245.44	
32 93 43 00-1306	EA	12' To 13'	Roystonea regia - Royal Palm	290.06	
32 93 43 00-1307	EA	14' To 15'	Roystonea regia - Royal Palm	334.69	
32 93 43 00-1308	EA	16' To 17'	Roystonea regia - Royal Palm	379.31	
32 93 43 00-1309	EA	18' To 19'	Roystonea regia - Royal Palm	423.94	
32 93 43 00-1310	EA	20' To 21'	Roystonea regia - Royal Palm	468.56	
32 93 43 00-1311	EA	10' To 16'	Sabal palmetto - Cabbage Palm	101.49	
32 93 43 00-1312	EA	6' To 7'	Thrinax morrisii - Key Thatch Palm	275.62	
32 93 43 00-1313	EA	8' To 9'	Thrinax morrisii - Key Thatch Palm	354.38	
32 93 43 00-1314	EA	10' To 11'	Thrinax morrisii - Key Thatch Palm	433.12	
32 93 43 00-1315	EA	6'	Washingtonia robusta - Mexican Fan Palm	354.38	
32 93 43 00-1316	EA	8'	Washingtonia robusta - Mexican Fan Palm	472.50	
32 93 43 00-1317	EA	10'	Washingtonia robusta - Mexican Fan Palm	590.62	
32 93 43 00-1318	EA	12'	Washingtonia robusta - Mexican Fan Palm	708.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees (32 93 53)

32 93 53 00-0002	EA	3" To 5"	Bare Root Seedlings Tree Planting	1.04	
32 93 53 00-0003	EA	6" To 10"	Bare Root Seedlings Tree Planting	1.67	
32 93 53 00-0004	EA	11" To 16"	Bare Root Seedlings Tree Planting	2.08	
32 93 53 00-0005	EA	17" To 24"	Bare Root Seedlings Tree Planting	3.32	
32 93 53 00-0006	EA	1	Gallon Container Tree Planting	16.62	
			<i>For >10 To 25, Deduct</i>	-0.83	
			<i>For >25 To 50, Deduct</i>	-2.08	
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100, Deduct</i>	-4.99	
32 93 53 00-0007	EA	2	Gallon Container Tree Planting	23.27	
			<i>For >10 To 25, Deduct</i>	-1.16	
			<i>For >25 To 50, Deduct</i>	-2.91	
			<i>For >50 To 100, Deduct</i>	-4.65	
			<i>For >100, Deduct</i>	-6.98	
32 93 53 00-0008	EA	3	Gallon Container Tree Planting	29.92	
			<i>For >10 To 25, Deduct</i>	-1.50	
			<i>For >25 To 50, Deduct</i>	-3.74	
			<i>For >50 To 100, Deduct</i>	-5.98	
			<i>For >100, Deduct</i>	-8.98	
32 93 53 00-0009	EA	5	Gallon Container Tree Planting	49.86	
			<i>For >10 To 25, Deduct</i>	-2.49	
			<i>For >25 To 50, Deduct</i>	-6.23	
			<i>For >50 To 100, Deduct</i>	-9.97	
			<i>For >100, Deduct</i>	-14.96	
32 93 53 00-0010	EA	7	Gallon Container Tree Planting	66.49	
			<i>For >10 To 25, Deduct</i>	-3.32	
			<i>For >25 To 50, Deduct</i>	-8.31	
			<i>For >50 To 100, Deduct</i>	-13.30	
			<i>For >100, Deduct</i>	-19.95	
32 93 53 00-0011	EA	10	Gallon Container Tree Planting	86.43	
			<i>For >10 To 25, Deduct</i>	-4.32	
			<i>For >25 To 50, Deduct</i>	-10.80	
			<i>For >50 To 100, Deduct</i>	-17.29	
			<i>For >100, Deduct</i>	-25.93	
32 93 53 00-0012	EA	15	Gallon Container Tree Planting	123.00	
			<i>For >10 To 25, Deduct</i>	-6.15	
			<i>For >25 To 50, Deduct</i>	-15.38	
			<i>For >50 To 100, Deduct</i>	-24.60	
			<i>For >100, Deduct</i>	-36.90	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0013 EA 20 Gallon Container Tree Planting.....	202.79	
For >10 To 25, Deduct	-10.14	
For >25 To 50, Deduct	-25.35	
For >50 To 100, Deduct	-40.56	
For >100, Deduct	-60.84	
32 93 53 00-0014 EA 25 Gallon Container Tree Planting.....	262.63	
For >10 To 25, Deduct	-13.13	
For >25 To 50, Deduct	-32.83	
For >50 To 100, Deduct	-52.53	
For >100, Deduct	-78.79	
32 93 53 00-0015 EA 30 Gallon Container Tree Planting.....	315.82	
For >10 To 25, Deduct	-15.79	
For >25 To 50, Deduct	-39.48	
For >50 To 100, Deduct	-63.16	
For >100, Deduct	-94.75	
32 93 53 00-0016 EA 45 Gallon Container Tree Planting.....	392.28	
For >10 To 25, Deduct	-19.61	
For >25 To 50, Deduct	-49.04	
For >50 To 100, Deduct	-78.46	
For >100, Deduct	-117.68	
32 93 53 00-0017 EA 65 Gallon Container Tree Planting.....	465.42	
For >10 To 25, Deduct	-23.27	
For >25 To 50, Deduct	-58.18	
For >50 To 100, Deduct	-93.08	
For >100, Deduct	-139.63	
32 93 53 00-0018 EA 6' Balled And Burlapped Tree Planting	166.22	
For >10 To 25, Deduct	-8.31	
For >25 To 50, Deduct	-20.78	
For >50 To 100, Deduct	-33.24	
For >100, Deduct	-49.87	
32 93 53 00-0019 EA 7' Balled And Burlapped Tree Planting	221.41	
For >10 To 25, Deduct	-11.07	
For >25 To 50, Deduct	-27.68	
For >50 To 100, Deduct	-44.28	
For >100, Deduct	-66.42	
32 93 53 00-0020 EA 8' Balled And Burlapped Tree Planting	249.34	
For >10 To 25, Deduct	-12.47	
For >25 To 50, Deduct	-31.17	
For >50 To 100, Deduct	-49.87	
For >100, Deduct	-74.80	
32 93 53 00-0021 EA 10' Balled And Burlapped Tree Planting	290.89	
For >10 To 25, Deduct	-14.54	
For >25 To 50, Deduct	-36.36	
For >50 To 100, Deduct	-58.18	
For >100, Deduct	-87.27	
32 93 53 00-0022 EA 12' Balled And Burlapped Tree Planting	388.96	
For >10 To 25, Deduct	-19.45	
For >25 To 50, Deduct	-48.62	
For >50 To 100, Deduct	-77.79	
For >100, Deduct	-116.69	
32 93 53 00-0023 EA 14' Balled And Burlapped Tree Planting	445.48	
For >10 To 25, Deduct	-22.27	
For >25 To 50, Deduct	-55.69	
For >50 To 100, Deduct	-89.10	
For >100, Deduct	-133.64	
32 93 53 00-0024 EA 16' Balled And Burlapped Tree Planting	540.22	
For >10 To 25, Deduct	-27.01	
For >25 To 50, Deduct	-67.53	
For >50 To 100, Deduct	-108.04	
For >100, Deduct	-162.07	
32 93 53 00-0025 EA 18' Balled And Burlapped Tree Planting	648.26	
For >10 To 25, Deduct	-32.41	
For >25 To 50, Deduct	-81.03	
For >50 To 100, Deduct	-129.65	
For >100, Deduct	-194.48	
32 93 53 00-0026 EA 20' Balled And Burlapped Tree Planting	748.00	
For >10 To 25, Deduct	-37.40	
For >25 To 50, Deduct	-93.50	
For >50 To 100, Deduct	-149.60	
For >100, Deduct	-224.40	
32 93 53 00-0027 EA 1-1/2" Caliber Balled And Burlapped Tree Planting	249.34	
For >10 To 25, Deduct	-12.47	
For >25 To 50, Deduct	-31.17	
For >50 To 100, Deduct	-49.87	
For >100, Deduct	-74.80	
32 93 53 00-0028 EA 2" Caliber Balled And Burlapped Tree Planting	290.89	
For >10 To 25, Deduct	-14.54	
For >25 To 50, Deduct	-36.36	
For >50 To 100, Deduct	-58.18	
For >100, Deduct	-87.27	
32 93 53 00-0029 EA 2-1/2" Caliber Balled And Burlapped Tree Planting	390.62	
For >10 To 25, Deduct	-19.53	
For >25 To 50, Deduct	-48.83	
For >50 To 100, Deduct	-78.12	
For >100, Deduct	-117.19	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0030 EA 3" Caliber Balled And Burlapped Tree Planting	448.80	
For >10 To 25, Deduct	-22.44	
For >25 To 50, Deduct	-56.10	
For >50 To 100, Deduct	-89.76	
For >100, Deduct	-134.64	
32 93 53 00-0031 EA 3-1/2" Caliber Balled And Burlapped Tree Planting	498.66	
For >10 To 25, Deduct	-24.93	
For >25 To 50, Deduct	-62.33	
For >50 To 100, Deduct	-99.73	
For >100, Deduct	-149.60	
32 93 53 00-0032 EA 4" Caliber Balled And Burlapped Tree Planting	571.80	
For >10 To 25, Deduct	-28.59	
For >25 To 50, Deduct	-71.48	
For >50 To 100, Deduct	-114.36	
For >100, Deduct	-171.54	
32 93 53 00-0033 Planting Shrubs (32 93 53)		
32 93 53 00-0034 EA 1 Gallon Container Shrub Planting	14.14	
For >10 To 25, Deduct	-0.71	
For >25 To 50, Deduct	-1.77	
For >50 To 100, Deduct	-2.83	
For >100, Deduct	-4.24	
32 93 53 00-0035 EA 2 Gallon Container Shrub Planting	19.95	
For >10 To 25, Deduct	-1.00	
For >25 To 50, Deduct	-2.49	
For >50 To 100, Deduct	-3.99	
For >100, Deduct	-5.99	
32 93 53 00-0036 EA 3 Gallon Container Shrub Planting	24.93	
For >10 To 25, Deduct	-1.25	
For >25 To 50, Deduct	-3.12	
For >50 To 100, Deduct	-4.99	
For >100, Deduct	-7.48	
32 93 53 00-0037 EA 4 Gallon Container Shrub Planting	33.25	
For >10 To 25, Deduct	-1.66	
For >25 To 50, Deduct	-4.16	
For >50 To 100, Deduct	-6.65	
For >100, Deduct	-9.98	
32 93 53 00-0038 EA 5 Gallon Container Shrub Planting	41.56	
For >10 To 25, Deduct	-2.08	
For >25 To 50, Deduct	-5.20	
For >50 To 100, Deduct	-8.31	
For >100, Deduct	-12.47	
32 93 53 00-0039 EA 7 Gallon Container Shrub Planting	56.52	
For >10 To 25, Deduct	-2.83	
For >25 To 50, Deduct	-7.07	
For >50 To 100, Deduct	-11.30	
For >100, Deduct	-16.96	
32 93 53 00-0040 EA 10 Gallon Container Shrub Planting	74.80	
For >10 To 25, Deduct	-3.74	
For >25 To 50, Deduct	-9.35	
For >50 To 100, Deduct	-14.96	
For >100, Deduct	-22.44	
32 93 53 00-0041 EA 15 Gallon Container Shrub Planting	103.06	
For >10 To 25, Deduct	-5.15	
For >25 To 50, Deduct	-12.88	
For >50 To 100, Deduct	-20.61	
For >100, Deduct	-30.92	
32 93 53 00-0042 EA 20 Gallon Container Shrub Planting	172.87	
For >10 To 25, Deduct	-8.64	
For >25 To 50, Deduct	-21.61	
For >50 To 100, Deduct	-34.57	
For >100, Deduct	-51.86	
32 93 53 00-0043 EA 25 Gallon Container Shrub Planting	221.41	
For >10 To 25, Deduct	-11.07	
For >25 To 50, Deduct	-27.68	
For >50 To 100, Deduct	-44.28	
For >100, Deduct	-66.42	
32 93 53 00-0044 EA 15" Balled And Burlapped Shrub Planting	46.54	
For >10 To 25, Deduct	-2.33	
For >25 To 50, Deduct	-5.82	
For >50 To 100, Deduct	-9.31	
For >100, Deduct	-13.96	
32 93 53 00-0045 EA 18" Balled And Burlapped Shrub Planting	48.21	
For >10 To 25, Deduct	-2.41	
For >25 To 50, Deduct	-6.03	
For >50 To 100, Deduct	-9.64	
For >100, Deduct	-14.46	
32 93 53 00-0046 EA 24" Balled And Burlapped Shrub Planting	53.19	
For >10 To 25, Deduct	-2.66	
For >25 To 50, Deduct	-6.65	
For >50 To 100, Deduct	-10.64	
For >100, Deduct	-15.96	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0047 EA 30" Balled And Burlapped Shrub Planting.....	53.19	
For >10 To 25, Deduct	-2.66	
For >25 To 50, Deduct	-6.65	
For >50 To 100, Deduct	-10.64	
For >100, Deduct	-15.96	
32 93 53 00-0048 EA 36" Balled And Burlapped Shrub Planting.....	58.18	
For >10 To 25, Deduct	-2.91	
For >25 To 50, Deduct	-7.27	
For >50 To 100, Deduct	-11.64	
For >100, Deduct	-17.45	
32 93 53 00-0049 EA 42" Balled And Burlapped Shrub Planting.....	61.50	
For >10 To 25, Deduct	-3.08	
For >25 To 50, Deduct	-7.69	
For >50 To 100, Deduct	-12.30	
For >100, Deduct	-18.45	
32 93 53 00-0050 EA 48" Balled And Burlapped Shrub Planting.....	66.49	
For >10 To 25, Deduct	-3.32	
For >25 To 50, Deduct	-8.31	
For >50 To 100, Deduct	-13.30	
For >100, Deduct	-19.95	
32 93 53 00-0051 EA 5' Balled And Burlapped Shrub Planting.....	99.74	
For >10 To 25, Deduct	-4.99	
For >25 To 50, Deduct	-12.47	
For >50 To 100, Deduct	-19.95	
For >100, Deduct	-29.92	
32 93 53 00-0052 EA 6' Balled And Burlapped Shrub Planting.....	141.29	
For >10 To 25, Deduct	-7.06	
For >25 To 50, Deduct	-17.66	
For >50 To 100, Deduct	-28.26	
For >100, Deduct	-42.39	
32 93 53 00-0053 EA 7' Balled And Burlapped Shrub Planting.....	187.84	
For >10 To 25, Deduct	-9.39	
For >25 To 50, Deduct	-23.48	
For >50 To 100, Deduct	-37.57	
For >100, Deduct	-56.35	
32 93 53 00-0054 EA 8' Balled And Burlapped Shrub Planting.....	212.77	
For >10 To 25, Deduct	-10.64	
For >25 To 50, Deduct	-26.60	
For >50 To 100, Deduct	-42.55	
For >100, Deduct	-63.83	
32 93 53 00-0055 EA 9' Balled And Burlapped Shrub Planting.....	229.39	
For >10 To 25, Deduct	-11.47	
For >25 To 50, Deduct	-28.67	
For >50 To 100, Deduct	-45.88	
For >100, Deduct	-68.82	
32 93 53 00-0056 EA 10' Balled And Burlapped Shrub Planting.....	249.34	
For >10 To 25, Deduct	-12.47	
For >25 To 50, Deduct	-31.17	
For >50 To 100, Deduct	-49.87	
For >100, Deduct	-74.80	
32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)		
32 93 53 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.38	
For >10 To 25, Deduct	-0.07	
For >25 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.28	
For >100, Deduct	-0.41	
32 93 53 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting.....	1.58	
For >10 To 25, Deduct	-0.08	
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.47	
32 93 53 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting.....	1.85	
For >10 To 25, Deduct	-0.09	
For >25 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.37	
For >100, Deduct	-0.56	
32 93 53 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.22	
For >10 To 25, Deduct	-0.11	
For >25 To 50, Deduct	-0.28	
For >50 To 100, Deduct	-0.44	
For >100, Deduct	-0.67	
32 93 53 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting.....	2.77	
For >10 To 25, Deduct	-0.14	
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.55	
For >100, Deduct	-0.83	
32 93 53 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting.....	4.15	
For >10 To 25, Deduct	-0.21	
For >25 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.25	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0064 EA 1 Gallon Container Groundcover And Flower Planting	13.29	
For >10 To 25, Deduct	-0.66	
For >25 To 50, Deduct	-1.66	
For >50 To 100, Deduct	-2.66	
For >100, Deduct	-3.99	
32 93 53 00-0065 EA 2 Gallon Container Groundcover And Flower Planting	18.28	
For >10 To 25, Deduct	-0.91	
For >25 To 50, Deduct	-2.29	
For >50 To 100, Deduct	-3.66	
For >100, Deduct	-5.48	
32 93 53 00-0066 EA 3 Gallon Container Groundcover And Flower Planting	23.27	
For >10 To 25, Deduct	-1.16	
For >25 To 50, Deduct	-2.91	
For >50 To 100, Deduct	-4.65	
For >100, Deduct	-6.98	
32 93 53 00-0067 EA 4 Gallon Container Groundcover And Flower Planting	29.92	
For >10 To 25, Deduct	-1.50	
For >25 To 50, Deduct	-3.74	
For >50 To 100, Deduct	-5.98	
For >100, Deduct	-8.98	
32 93 53 00-0068 EA 5 Gallon Container Groundcover And Flower Planting	36.57	
For >10 To 25, Deduct	-1.83	
For >25 To 50, Deduct	-4.57	
For >50 To 100, Deduct	-7.31	
For >100, Deduct	-10.97	
32 93 53 00-0069 EA 7 Gallon Container Groundcover And Flower Planting	49.86	
For >10 To 25, Deduct	-2.49	
For >25 To 50, Deduct	-6.23	
For >50 To 100, Deduct	-9.97	
For >100, Deduct	-14.96	
32 93 53 00-0070 EA Up To 25 Each Bulb Planting	0.83	
32 93 53 00-0071 EA 26 To 50 Each Bulb Planting	0.74	
32 93 53 00-0072 LOT Lots Of 50 Bulb Planting	30.97	
32 93 53 00-0073 LOT Lots Of 60 Bulb Planting	37.17	
32 93 53 00-0074 LOT Lots Of 100 Bulb Planting	55.75	
32 93 53 00-0075 EA Flats Of 24 Groundcover And Flower Planting	23.27	
For >10 To 25, Deduct	-1.16	
For >25, Deduct	-2.91	
32 93 53 00-0076 EA Flats Of 36 Groundcover And Flower Planting	33.01	
For >10 To 25, Deduct	-1.65	
For >25, Deduct	-4.13	
32 93 53 00-0077 EA Flats Of 48 Groundcover And Flower Planting	43.94	
For >10 To 25, Deduct	-2.20	
For >25, Deduct	-5.49	

32 93 53 00-0078

Tree Pits (32 93 53)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 53 00-0079 EA 2' x 1-1/4' Deep Tree Pit	78.78	
32 93 53 00-0080 EA 2' x 2-1/2' Deep Tree Pit	118.15	
32 93 53 00-0081 EA 2-1/2' x 1-1/2' Deep Tree Pit	153.11	
32 93 53 00-0082 EA 2-1/2' x 3' Deep Tree Pit	229.63	
32 93 53 00-0083 EA 3' x 1-3/4' Deep Tree Pit	235.40	
32 93 53 00-0084 EA 3' x 3-1/2' Deep Tree Pit	351.14	
32 93 53 00-0085 EA 3-1/2' x 1-3/4' Deep Tree Pit	287.89	
32 93 53 00-0086 EA 3-1/2' x 3-1/2' Deep Tree Pit	431.19	
32 93 53 00-0087 EA 4' x 2' Deep Tree Pit	343.90	
32 93 53 00-0088 EA 4' x 4' Deep Tree Pit	515.54	
32 93 53 00-0089 EA 4-1/2' x 2' Deep Tree Pit	494.09	
32 93 53 00-0090 EA 4-1/2' x 4' Deep Tree Pit	742.71	
32 93 53 00-0091 EA 5' x 2-1/4' Deep Tree Pit	657.22	
32 93 53 00-0092 EA 5' x 4-1/2' Deep Tree Pit	978.41	
32 93 53 00-0093 EA 6' x 2-1/2' Deep Tree Pit	932.10	
32 93 53 00-0094 EA 6' x 5' Deep Tree Pit	1,395.94	
32 93 53 00-0095 EA 7' x 3' Deep Tree Pit	1,569.66	
32 93 53 00-0096 EA 7' x 6' Deep Tree Pit	2,368.01	
32 93 53 00-0097 EA 8' x 3-1/4' Deep Tree Pit	2,155.86	
32 93 53 00-0098 EA 8' x 6-1/2' Deep Tree Pit	3,232.31	

32 94 Planting Accessories (32 94)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002 LF 1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	5.94	1.86
32 94 13 00-0003 LF 1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	6.40	1.86
32 94 13 00-0004 LF 1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	6.44	1.86
32 94 13 00-0005 LF 3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	7.26	1.93

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0006	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	7.83	1.93
32 94 13 00-0007	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	7.82	1.93
32 94 13 00-0008	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	6.60	1.99
32 94 13 00-0009	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	7.23	1.99
32 94 13 00-0010	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	7.30	1.99
32 94 13 00-0011	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.11	2.05
32 94 13 00-0012	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	8.74	2.05
32 94 13 00-0013	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	8.80	2.05
32 94 13 00-0014	LF		3/16" x 4" Powder Coated Steel Landscape Edging	7.22	1.93
32 94 13 00-0015	LF		1/4" x 5" Powder Coated Steel Landscape Edging	9.71	1.93
32 94 13 00-0016	LF		4-1/2" x 12" Granite Edging.....	21.26	9.63
32 94 13 00-0017	LF		2" x 8" x 16" Precast Scallops, Green	4.14	1.38
32 94 13 00-0018	LF		2" x 8" x 16" Precast Scallops, Other Than Green.....	3.87	1.38
32 94 13 00-0019	LF		Brick, Set Horizontally, 1-1/2 Per LF	4.13	1.52
32 94 13 00-0020	LF		Brick, Set Horizontally, 3 Per LF	10.52	4.14
32 94 13 00-0021	LF		"V" Trenching By Machine, 4" Deep x 4" Wide	1.70	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF		6" x 8" Railroad Ties	10.43	3.25
32 94 16 00-0002	LF		7" x 9" Railroad Ties	12.51	4.08
32 94 16 00-0003	LF		1" x 4" Redwood	3.67	1.17
32 94 16 00-0004	LF		2" x 4" Redwood Edging	4.99	1.76
32 94 16 00-0005	LF		4" x 6" Pressure Treated Hardwood.....	5.73	2.35
32 94 16 00-0006	LF		6" x 6" Pressure Treated Hardwood.....	7.32	2.93
32 94 16 00-0007	LF		6" x 8" Pressure Treated Hardwood.....	8.58	3.45
32 94 16 00-0008	LF		1" x 4" Pressure Treated Pine.....	2.53	1.17
32 94 16 00-0009	LF		2" x 4" Pressure Treated Pine.....	3.79	1.76
32 94 16 00-0010	LF		4" x 6" Pressure Treated Pine.....	5.45	2.27
32 94 16 00-0011	LF		6" x 6" Pressure Treated Pine.....	7.28	2.93
32 94 16 00-0012	LF		6" x 8" Pressure Treated Pine.....	8.78	3.45

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames (32 94 43)****32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94 43 00-0003	EA		32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame	447.80	36.90
			For >3 To 9, Deduct	-28.05	
			For >9, Deduct	-57.97	
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Gate With Frame	515.79	36.90
			For >3 To 9, Deduct	-33.15	
			For >9, Deduct	-68.51	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Gate With Frame	625.39	49.19
			For >3 To 9, Deduct	-39.53	
			For >9, Deduct	-81.69	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Gate With Frame	773.39	49.19
			For >3 To 9, Deduct	-50.63	
			For >9, Deduct	-104.63	
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Gate With Frame	990.98	61.50
			For >3 To 9, Deduct	-65.10	
			For >9, Deduct	-134.54	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Gate With Frame	1,043.58	73.79
			For >3 To 9, Deduct	-67.20	
			For >9, Deduct	-138.88	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Gate With Frame	1,146.58	73.79
			For >3 To 9, Deduct	-74.93	
			For >9, Deduct	-154.85	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Gate With Frame	1,529.08	104.54
			For >3 To 9, Deduct	-99.00	
			For >9, Deduct	-204.60	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Gate With Frame	1,589.08	104.54
			For >3 To 9, Deduct	-103.50	
			For >9, Deduct	-213.90	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Gate With Frame	1,639.08	104.54
			For >3 To 9, Deduct	-107.25	
			For >9, Deduct	-221.65	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Gate With Frame	1,679.08	104.54
			For >3 To 9, Deduct	-110.25	
			For >9, Deduct	-227.85	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Gate With Frame	1,709.08	104.54
			For >3 To 9, Deduct	-112.50	
			For >9, Deduct	-232.50	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Gate With Frame	1,877.98	122.98
			For >3 To 9, Deduct	-122.40	
			For >9, Deduct	-252.96	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Gate With Frame	413.79	36.90
			For >3 To 9, Deduct	-25.50	
			For >9, Deduct	-52.70	



Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0018 EA 36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	498.79	36.90
For >3 To 9, Deduct	-31.88	
For >9, Deduct	-65.88	
32 94 43 00-0019 EA 48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	742.98	61.50
For >3 To 9, Deduct	-46.50	
For >9, Deduct	-96.10	
32 94 43 00-0020 EA 48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	872.98	61.50
For >3 To 9, Deduct	-56.25	
For >9, Deduct	-116.25	
32 94 43 00-0021 EA 48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	992.98	61.50
For >3 To 9, Deduct	-65.25	
For >9, Deduct	-134.85	
32 94 43 00-0022 EA 48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	1,102.98	61.50
For >3 To 9, Deduct	-73.50	
For >9, Deduct	-151.90	
32 94 43 00-0023 EA 48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	1,202.98	61.50
For >3 To 9, Deduct	-81.00	
For >9, Deduct	-167.40	
32 94 43 00-0024 EA 48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	1,292.98	61.50
For >3 To 9, Deduct	-87.75	
For >9, Deduct	-181.35	
32 94 43 00-0025 EA 60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,252.19	86.09
For >3 To 9, Deduct	-81.00	
For >9, Deduct	-167.40	
32 94 43 00-0026 EA 60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	1,342.19	86.09
For >3 To 9, Deduct	-87.75	
For >9, Deduct	-181.35	
32 94 43 00-0027 EA 60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	1,422.19	86.09
For >3 To 9, Deduct	-93.75	
For >9, Deduct	-193.75	
32 94 43 00-0028 EA 60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	1,492.19	86.09
For >3 To 9, Deduct	-99.00	
For >9, Deduct	-204.60	
32 94 43 00-0029 EA 60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,552.19	86.09
For >3 To 9, Deduct	-103.50	
For >9, Deduct	-213.90	
32 94 43 00-0030 EA 60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	1,602.19	86.09
For >3 To 9, Deduct	-107.25	
For >9, Deduct	-221.65	
32 94 43 00-0031 EA 72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	1,529.08	104.54
For >3 To 9, Deduct	-99.00	
For >9, Deduct	-204.60	
32 94 43 00-0032 EA 72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,589.08	104.54
For >3 To 9, Deduct	-103.50	
For >9, Deduct	-213.90	
32 94 43 00-0033 EA 72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	1,639.08	104.54
For >3 To 9, Deduct	-107.25	
For >9, Deduct	-221.65	
32 94 43 00-0034 EA 72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	1,679.08	104.54
For >3 To 9, Deduct	-110.25	
For >9, Deduct	-227.85	
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	1,709.08	104.54
For >3 To 9, Deduct	-112.50	
For >9, Deduct	-232.50	
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	1,729.08	104.54
For >3 To 9, Deduct	-114.00	
For >9, Deduct	-235.60	
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	1,739.08	104.54
For >3 To 9, Deduct	-114.75	
For >9, Deduct	-237.15	
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	1,749.08	104.54
For >3 To 9, Deduct	-115.50	
For >9, Deduct	-238.70	
32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	773.39	49.19
For >3 To 9, Deduct	-50.63	
For >9, Deduct	-104.63	
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	788.39	49.19
For >3 To 9, Deduct	-51.75	
For >9, Deduct	-106.95	
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	963.98	61.50
For >3 To 9, Deduct	-63.08	
For >9, Deduct	-130.36	
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,130.98	61.50
For >3 To 9, Deduct	-75.60	
For >9, Deduct	-156.24	
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	1,202.98	61.50
For >3 To 9, Deduct	-81.00	
For >9, Deduct	-167.40	
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	1,619.08	104.54
For >3 To 9, Deduct	-105.75	
For >9, Deduct	-218.55	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 94 49 Tree Accessories** (32 94)

32 94 49 00-0001 Tree Guying (32 94 49)

32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes	19.23
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes	33.48
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes	57.62

32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors	81.97
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors	110.72
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors	142.40
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors	183.07

32 94 49 00-0011 Tree Wrap (32 94 49)

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	4.90
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	8.05
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	15.78
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	23.96

32 94 49 00-0016 Tree Guards (32 94 49)

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	7.57
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	7.15

32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	5.00
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32 94 49 00-0021 Root Barriers (32 94 49)

32 94 49 00-0022	EA	18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	11.07
32 94 49 00-0023	EA	24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	13.11
32 94 49 00-0024	EA	36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	17.66
32 94 49 00-0025	EA	48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	23.71

32 96 Transplanting (32 90)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	48.72
		For >25 To 50, Deduct	-4.87
		For >50, Deduct	-7.31
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	66.82
		For >25 To 50, Deduct	-6.68
		For >50, Deduct	-10.02
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	83.52
		For >25 To 50, Deduct	-8.35
		For >50, Deduct	-12.53
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	108.78
		For >25 To 50, Deduct	-10.88
		For >50, Deduct	-16.32

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate (32 96 43)

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	207.85
		For >5 To 10, Deduct	-10.39
		For >10 To 20, Deduct	-20.79
		For >20, Deduct	-31.18
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	285.06
		For >5 To 10, Deduct	-14.25
		For >10 To 20, Deduct	-28.51
		For >20, Deduct	-42.76



Exterior Improvements		32
Planting		32 90
Transplanting		32 96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0004 EA >30" To 36" Root Ball, Move Trees On Site.....	461.90	
For >5 To 10, Deduct	-23.10	
For >10 To 20, Deduct	-46.19	
For >20, Deduct	-69.29	
32 96 43 00-0005 EA >36" To 48" Root Ball, Move Trees On Site.....	767.46	
For >5 To 10, Deduct	-38.37	
For >10 To 20, Deduct	-76.75	
For >20, Deduct	-115.12	
32 96 43 00-0006 EA >48" To 60" Root Ball, Move Trees On Site.....	1,247.12	
For >5 To 10, Deduct	-62.36	
For >10 To 20, Deduct	-124.71	
For >20, Deduct	-187.07	
32 96 43 00-0007 EA >60" To 72" Root Ball, Move Trees On Site.....	1,609.19	
For >5 To 10, Deduct	-80.46	
For >10 To 20, Deduct	-160.92	
For >20, Deduct	-241.38	
32 96 43 00-0008 EA >72" To 84" Root Ball, Move Trees On Site.....	2,078.53	
For >5 To 10, Deduct	-103.93	
For >10 To 20, Deduct	-207.85	
For >20, Deduct	-311.78	
32 96 43 00-0009 EA >84" To 96" Root Ball, Move Trees On Site.....	2,494.24	
For >5 To 10, Deduct	-124.71	
For >10 To 20, Deduct	-249.42	
For >20, Deduct	-374.14	
32 96 43 00-0010 EA >96" To 120" Root Ball, Move Trees On Site.....	2,834.37	
For >5 To 10, Deduct	-141.72	
For >10 To 20, Deduct	-283.44	
For >20, Deduct	-425.16	

END OF SECTION 32

32	32	Exterior Improvements
	32 90	Planting
	32 96	Transplanting



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 30 Operation And Maintenance Of Sewer Utilities ^(33 01)

33 01 30 16 TV Inspection Of Pipelines ^(33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 16-0001	EA	Remote Visual inspection (RVI) Of Pipe Interior And Culverts ^(33 01 30 16)		
33 01 30 16-0002		Video Camera Set-up ^(33 01 30 16-0001)		
33 01 30 16-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	646.49	
		Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1?-12? diameter pipes for distances up to 300 feet.		
33 01 30 16-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	1,292.99	
		Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 16-0005	EA	Initial Set Up For Video Camera Inspection, > 36" Diameter Pipe Or Culvert.....	1,939.48	
33 01 30 16-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	323.25	
33 01 30 16-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert.....	646.49	

33 01 30 16-0008 Video Camera Planning And Analysis Inspection ^(33 01 30 16-0001)

Note: For pipe interior and culverts.

33 01 30 16-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....		1.64
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.16
		For >1,000 To 5,000, Deduct		-0.41
		For >5,000, Deduct		-0.57
33 01 30 16-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....		2.19
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.22
		For >1,000 To 5,000, Deduct		-0.55
		For >5,000, Deduct		-0.77
33 01 30 16-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....		2.74
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.27
		For >1,000 To 5,000, Deduct		-0.69
		For >5,000, Deduct		-0.96
33 01 30 16-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....		3.64
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.36
		For >1,000 To 5,000, Deduct		-0.91
		For >5,000, Deduct		-1.27
33 01 30 16-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....		5.12
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.51
		For >1,000 To 5,000, Deduct		-1.28
		For >5,000, Deduct		-1.79
33 01 30 16-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....		6.83
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.68
		For >1,000 To 5,000, Deduct		-1.71
		For >5,000, Deduct		-2.39
33 01 30 16-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....		9.64
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.96
		For >1,000 To 5,000, Deduct		-2.41
		For >5,000, Deduct		-3.37
33 01 30 16-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....		13.66
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-1.37
		For >1,000 To 5,000, Deduct		-3.42
		For >5,000, Deduct		-4.78

33 01 30 16-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts ^(33 01 30 16-0001)

33 01 30 16-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....		2.42
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.24
		For >1,000 To 5,000, Deduct		-0.61
		For >5,000, Deduct		-0.85
33 01 30 16-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase		3.23
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.32
		For >1,000 To 5,000, Deduct		-0.81
		For >5,000, Deduct		-1.13
33 01 30 16-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase		4.04
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.40
		For >1,000 To 5,000, Deduct		-1.01
		For >5,000, Deduct		-1.41

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 16-0021	LF		>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	5.39	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.54	
			For >1,000 To 5,000, Deduct	-1.35	
			For >5,000, Deduct	-1.89	
33 01 30 16-0022	LF		>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	7.57	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.76	
			For >1,000 To 5,000, Deduct	-1.89	
			For >5,000, Deduct	-2.65	
33 01 30 16-0023	LF		>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	10.10	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.01	
			For >1,000 To 5,000, Deduct	-2.53	
			For >5,000, Deduct	-3.54	
33 01 30 16-0024	LF		>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	14.26	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.43	
			For >1,000 To 5,000, Deduct	-3.57	
			For >5,000, Deduct	-4.99	
33 01 30 16-0025	LF		>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	20.20	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-2.02	
			For >1,000 To 5,000, Deduct	-5.05	
			For >5,000, Deduct	-7.07	
33 01 30 16-0026			Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 16-0001)		
33 01 30 16-0027	LF		4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	1.73	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.61	
33 01 30 16-0028	LF		>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.31	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 5,000, Deduct	-0.58	
			For >5,000, Deduct	-0.81	
33 01 30 16-0029	LF		>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.89	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.29	
			For >1,000 To 5,000, Deduct	-0.72	
			For >5,000, Deduct	-1.01	
33 01 30 16-0030	LF		>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.85	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.39	
			For >1,000 To 5,000, Deduct	-0.96	
			For >5,000, Deduct	-1.35	
33 01 30 16-0031	LF		>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.41	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.54	
			For >1,000 To 5,000, Deduct	-1.35	
			For >5,000, Deduct	-1.89	
33 01 30 16-0032	LF		>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.21	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.72	
			For >1,000 To 5,000, Deduct	-1.80	
			For >5,000, Deduct	-2.52	
33 01 30 16-0033	LF		>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.18	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.02	
			For >1,000 To 5,000, Deduct	-2.55	
			For >5,000, Deduct	-3.56	
33 01 30 16-0034	LF		>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.43	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.44	
			For >1,000 To 5,000, Deduct	-3.61	
			For >5,000, Deduct	-5.05	
33 01 30 41			Cleaning of Sewers (33 01 30)		
33 01 30 41-0001			Pipe Line Cleaning And Flushing (33 01 30 41)		
			Note: Includes flushing. Owner provided water.		
33 01 30 41-0002			Pipe Line Cleaning (33 01 30 41-0001)		
			Note: Includes removal of all debris/waste.		
33 01 30 41-0003			Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
33 01 30 41-0004	EA		Initial Set Up And Final Equipment Removal For Jet Cleaning.....	1,881.73	
33 01 30 41-0005	EA		Move And Reset Up At Different Access/Location For Jet Cleaning.....	470.43	
33 01 30 41-0006			Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.53	
<i>For >250 To 500, Deduct</i>	-0.13	
<i>For >500 To 1,000, Deduct</i>	-0.25	
<i>For >1,000 To 2,000, Deduct</i>	-0.38	
<i>For >2,000 To 5,000, Deduct</i>	-0.51	
<i>For >5,000, Deduct</i>	-0.63	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.90	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.90	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500 To 1,000, Deduct</i>	-0.29	
<i>For >1,000 To 2,000, Deduct</i>	-0.44	
<i>For >2,000 To 5,000, Deduct</i>	-0.58	
<i>For >5,000, Deduct</i>	-0.73	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.18	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.40	
<i>For >250 To 500, Deduct</i>	-0.17	
<i>For >500 To 1,000, Deduct</i>	-0.34	
<i>For >1,000 To 2,000, Deduct</i>	-0.51	
<i>For >2,000 To 5,000, Deduct</i>	-0.68	
<i>For >5,000, Deduct</i>	-0.85	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.55	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.21	
<i>For >250 To 500, Deduct</i>	-0.21	
<i>For >500 To 1,000, Deduct</i>	-0.42	
<i>For >1,000 To 2,000, Deduct</i>	-0.63	
<i>For >2,000 To 5,000, Deduct</i>	-0.84	
<i>For >5,000, Deduct</i>	-1.05	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.16	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.78	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500 To 1,000, Deduct</i>	-0.48	
<i>For >1,000 To 2,000, Deduct</i>	-0.72	
<i>For >2,000 To 5,000, Deduct</i>	-0.96	
<i>For >5,000, Deduct</i>	-1.20	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.59	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.52	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 1,000, Deduct</i>	-0.55	
<i>For >1,000 To 2,000, Deduct</i>	-0.83	
<i>For >2,000 To 5,000, Deduct</i>	-1.10	
<i>For >5,000, Deduct</i>	-1.38	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.14	
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.64	
<i>For >250 To 500, Deduct</i>	-0.33	
<i>For >500 To 1,000, Deduct</i>	-0.66	
<i>For >1,000 To 2,000, Deduct</i>	-1.00	
<i>For >2,000 To 5,000, Deduct</i>	-1.33	
<i>For >5,000, Deduct</i>	-1.66	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.98	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.54	
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500 To 1,000, Deduct</i>	-0.75	
<i>For >1,000 To 2,000, Deduct</i>	-1.13	
<i>For >2,000 To 5,000, Deduct</i>	-1.51	
<i>For >5,000, Deduct</i>	-1.89	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.66	
33 01 30 41-0015 Flushing Of Storm Water Pipelines (33 01 30 41-0002)		
Note: To remove silt and small debris from storm drainage pipes.		
33 01 30 41-0016 LF 12" To 16" Diameter Pipe Line Flushing	1.07	
<i>For >250 To 500, Deduct</i>	-0.05	
<i>For >500 To 1,000, Deduct</i>	-0.11	
<i>For >1,000 To 2,000, Deduct</i>	-0.16	
<i>For >2,000 To 5,000, Deduct</i>	-0.21	
<i>For >5,000, Deduct</i>	-0.27	
33 01 30 41-0017 LF >16" To 24" Diameter Pipe Line Flushing.....	1.23	
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.12	
<i>For >1,000 To 2,000, Deduct</i>	-0.18	
<i>For >2,000 To 5,000, Deduct</i>	-0.25	
<i>For >5,000, Deduct</i>	-0.31	
33 01 30 41-0018 LF >24" To 30" Diameter Pipe Line Flushing.....	1.44	
<i>For >250 To 500, Deduct</i>	-0.07	
<i>For >500 To 1,000, Deduct</i>	-0.14	
<i>For >1,000 To 2,000, Deduct</i>	-0.22	
<i>For >2,000 To 5,000, Deduct</i>	-0.29	
<i>For >5,000, Deduct</i>	-0.36	
33 01 30 41-0019 LF >30" To 42" Diameter Pipe Line Flushing.....	1.67	
<i>For >250 To 500, Deduct</i>	-0.08	
<i>For >500 To 1,000, Deduct</i>	-0.17	
<i>For >1,000 To 2,000, Deduct</i>	-0.25	
<i>For >2,000 To 5,000, Deduct</i>	-0.33	
<i>For >5,000, Deduct</i>	-0.42	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020 LF >42" To 60" Diameter Pipe Line Flushing.....	2.22	
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.22	
For >1,000 To 2,000, Deduct	-0.33	
For >2,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.56	
33 01 30 41-0021 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0022 LF Jet Cleaning Of Culvert, 0-250 LF.....	11.71	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-1.76	
For >2,000 To 5,000, Deduct	-2.34	
For >5,000, Deduct	-2.93	
33 01 30 41-0023 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste.		
33 01 30 41-0024 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	895.21	
33 01 30 41-0025 EA Move And Reset Up At Different Access/Location.....	298.40	
33 01 30 41-0026 LF 12" Diameter Pipe Line Cleaning, Mechanical Method.....	9.84	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.93	
For >1,000 To 2,000, Deduct	-1.40	
For >2,000 To 5,000, Deduct	-1.87	
For >5,000, Deduct	-2.33	
33 01 30 41-0027 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	11.30	
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-1.07	
For >1,000 To 2,000, Deduct	-1.60	
For >2,000 To 5,000, Deduct	-2.13	
For >5,000, Deduct	-2.66	
33 01 30 41-0028 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	14.18	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.32	
For >1,000 To 2,000, Deduct	-1.97	
For >2,000 To 5,000, Deduct	-2.63	
For >5,000, Deduct	-3.29	
33 01 30 41-0029 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	16.12	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.47	
For >1,000 To 2,000, Deduct	-2.20	
For >2,000 To 5,000, Deduct	-2.93	
For >5,000, Deduct	-3.67	
33 01 30 41-0030 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	18.70	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.69	
For >1,000 To 2,000, Deduct	-2.53	
For >2,000 To 5,000, Deduct	-3.38	
For >5,000, Deduct	-4.22	
33 01 30 41-0031 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	24.56	
For >250 To 500, Deduct	-1.12	
For >500 To 1,000, Deduct	-2.24	
For >1,000 To 2,000, Deduct	-3.36	
For >2,000 To 5,000, Deduct	-4.48	
For >5,000, Deduct	-5.60	
33 01 30 41-0032 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	27.76	
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.49	
For >1,000 To 2,000, Deduct	-3.73	
For >2,000 To 5,000, Deduct	-4.97	
For >5,000, Deduct	-6.22	
33 01 30 41-0033 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0034 EA Initial Set Up And Final Equipment Removal For Auguring.....	895.21	
33 01 30 41-0035 EA Move And Reset Up At Different Location.....	298.40	
33 01 30 41-0036 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	2.99	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 2,000, Deduct	-0.45	
For >2,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-0.75	
33 01 30 41-0037 LF 6" Diameter Pipe Line Auguring/Rod Out.....	3.86	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.39	
For >1,000 To 2,000, Deduct	-0.58	
For >2,000 To 5,000, Deduct	-0.77	
For >5,000, Deduct	-0.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0038 LF 8" Diameter Pipe Line Auguring/Rod Out	4.47	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500 To 1,000, Deduct</i>	-0.45	
<i>For >1,000 To 2,000, Deduct</i>	-0.67	
<i>For >2,000 To 5,000, Deduct</i>	-0.89	
<i>For >5,000, Deduct</i>	-1.12	
33 01 30 41-0039 LF 10" Diameter Pipe Line Auguring/Rod Out	5.20	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500 To 1,000, Deduct</i>	-0.52	
<i>For >1,000 To 2,000, Deduct</i>	-0.78	
<i>For >2,000 To 5,000, Deduct</i>	-1.04	
<i>For >5,000, Deduct</i>	-1.30	
33 01 30 41-0040 LF 12" Diameter Pipe Line Auguring/Rod Out	5.60	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 1,000, Deduct</i>	-0.56	
<i>For >1,000 To 2,000, Deduct</i>	-0.84	
<i>For >2,000 To 5,000, Deduct</i>	-1.12	
<i>For >5,000, Deduct</i>	-1.40	
33 01 30 41-0041 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out	6.39	
<i>For >250 To 500, Deduct</i>	-0.32	
<i>For >500 To 1,000, Deduct</i>	-0.64	
<i>For >1,000 To 2,000, Deduct</i>	-0.96	
<i>For >2,000 To 5,000, Deduct</i>	-1.28	
<i>For >5,000, Deduct</i>	-1.60	
33 01 30 41-0042 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out	7.85	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 1,000, Deduct</i>	-0.79	
<i>For >1,000 To 2,000, Deduct</i>	-1.18	
<i>For >2,000 To 5,000, Deduct</i>	-1.57	
<i>For >5,000, Deduct</i>	-1.96	
33 01 30 41-0043 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out	8.78	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500 To 1,000, Deduct</i>	-0.88	
<i>For >1,000 To 2,000, Deduct</i>	-1.32	
<i>For >2,000 To 5,000, Deduct</i>	-1.76	
<i>For >5,000, Deduct</i>	-2.20	
33 01 30 41-0044 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out	10.17	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500 To 1,000, Deduct</i>	-1.02	
<i>For >1,000 To 2,000, Deduct</i>	-1.53	
<i>For >2,000 To 5,000, Deduct</i>	-2.03	
<i>For >5,000, Deduct</i>	-2.54	
33 01 30 41-0045 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out	13.99	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500 To 1,000, Deduct</i>	-1.40	
<i>For >1,000 To 2,000, Deduct</i>	-2.10	
<i>For >2,000 To 5,000, Deduct</i>	-2.80	
<i>For >5,000, Deduct</i>	-3.50	
33 01 30 41-0046 LF >60" Diameter Pipe Line Auguring/Rod Out	14.92	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500 To 1,000, Deduct</i>	-1.49	
<i>For >1,000 To 2,000, Deduct</i>	-2.24	
<i>For >2,000 To 5,000, Deduct</i>	-2.98	
<i>For >5,000, Deduct</i>	-3.73	

33 01 30 42 Cleaning of Manholes (33 01 30)

33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Sewer Catch Basin	72.58
33 01 30 42-0004 EA Clean Out Debris From Entrance To Inlet Structure	181.43
33 01 30 42-0005 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	664.89
<i>For >10 To 100, Deduct</i>	-99.73
<i>For >100 To 250, Deduct</i>	-149.60
<i>For >250, Deduct</i>	-199.47
33 01 30 42-0006 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	797.86
<i>For >10 To 100, Deduct</i>	-119.68
<i>For >100 To 250, Deduct</i>	-179.52
<i>For >250, Deduct</i>	-239.36
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand.....	398.94
<i>For >10 To 100, Deduct</i>	-59.84
<i>For >100 To 250, Deduct</i>	-89.76
<i>For >250, Deduct</i>	-119.68

33 01 30 42-0008 Cleaning Manholes And Drainage Structures (33 01 30 42-0001)

Note: Includes removal of debris.

33 01 30 42-0009 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole	78.40
33 01 30 42-0010 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole	98.00
33 01 30 42-0011 EA Vacuum Out 1 To 2 Catch Basins Or Manholes	1,122.21
Note: Includes vacuum pump equipment.	
33 01 30 42-0012 EA Vacuum Out 3 To 10 Catch Basins Or Manholes	841.65
Note: Includes vacuum pump equipment.	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0013 EA Vacuum Out 11 To 25 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	561.10	
33 01 30 42-0014 EA Vacuum Out 26 To 100 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	490.96	
33 01 30 42-0015 EA Vacuum Out 101 To 250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	455.90	
33 01 30 42-0016 EA Vacuum Out >250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	420.83	
33 01 30 51 Maintenance Of Utilities (33 01 30)		
33 01 30 51-0001 Pipe Repair (33 01 30 51)		
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001) Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 226).		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	105.49 18.09	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	151.05 27.26	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	174.98 32.11	
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	199.62 36.94	
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	113.87 19.65	
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	160.64 29.10	
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	184.47 33.83	
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	213.55 39.58	
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	122.73 21.50	
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	167.21 30.42	
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	193.67 35.66	
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	226.37 42.34	
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	138.44 24.44	
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	183.29 32.90	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	222.39 40.05	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	267.96 48.31	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	351.63 64.89	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	438.01 81.46	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	534.75 99.93	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	160.13 28.22	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	215.82 38.88	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	253.81 45.47	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	289.80 51.16	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	413.85 76.60	
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	500.89 92.83	
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	595.80 110.35	
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	205.25 33.44	
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	270.61 45.03	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	322.90 53.61	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	385.77 63.94	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	519.71 89.76	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	618.62 106.65	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	729.71 124.97	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts For Stainless Steel Nuts And Bolts, Add	246.93 41.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	327.15 56.74	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	380.15 65.23	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	473.42 82.21	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	617.07 109.91	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	703.04 123.32	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	926.34 167.10	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	274.94 46.02	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	355.81 60.32	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	439.13 75.18	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	534.89 92.04	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	688.08 121.08	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	819.36 143.87	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,035.04 184.53	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small>		
Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 228).		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	681.08 196.97	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	969.00 284.35	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,306.63 385.60	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,933.49 581.18	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	714.83 206.66	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,014.28 297.53	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,364.16 402.24	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,026.65 608.92	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	732.33 210.83	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,037.33 303.08	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,398.93 411.26	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,076.60 622.08	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	750.56 214.99	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,063.55 309.32	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,431.84 418.89	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,126.06 634.58	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	766.77 218.46	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,085.67 314.17	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,464.74 426.51	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,170.14 644.97	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	782.21 221.94	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,108.72 319.71	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,494.13 433.45	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,255.81 670.04	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	800.15 226.25	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,136.23 326.65	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,525.53 441.08	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,262.71	668.56	
33 01 30 51-0079		Repair Couplings and Fittings (33 01 30 51-0001)			
33 01 30 51-0080		Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079) <i>Note: Includes gaskets. Dresser style 88.</i>			
33 01 30 51-0081		Copper Compression Repair Couplings (33 01 30 51-0080)			
33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	63.41		
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	73.64		
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	86.61		
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	97.35		
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	152.04		
33 01 30 51-0087		Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)			
33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	76.89		
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	88.54		
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	182.68		
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	70.50		
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	63.55		
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	74.40		
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	92.48		
33 01 30 51-0095		Copper Compression Repair Fitting, Tees (33 01 30 51-0080)			
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	142.19		
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	108.06		
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	128.52		
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	104.63		
33 01 30 51-0100		Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)			
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	66.75		
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	52.95		
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	59.95		
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	72.39		
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	87.54		
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	95.19		
33 01 30 51-0107		Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)			
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	78.55		
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	82.64		
33 01 30 51-0110		Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079) <i>Note: Includes gaskets. Dresser style 90.</i>			
33 01 30 51-0111		Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110) <i>Note: Includes gaskets.</i>			
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	41.38		
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	42.36		
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	47.81		
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	53.33		
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	65.96		
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	80.17		
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	42.47		
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	43.56		
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	47.99		
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	53.89		
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	67.78		
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	80.97		
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	79.61		
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	93.12		
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	97.22		
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	109.76		
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	133.48		
33 01 30 51-0129		Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110) <i>Note: Includes armored gaskets.</i>			
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	45.98		
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	48.99		
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	55.31		
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	57.31		
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	107.76		
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	69.06		
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	69.35		
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	128.72		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 01 30 51-0138 EA 2" x 1" Reducing Coupling (Compression).....	117.60	
				33 01 30 51-0139 EA 2" x 1-1/4" Reducing Coupling (Compression).....	91.16	
				33 01 30 51-0140 EA 2" x 1-1/2" Reducing Coupling (Compression).....	90.87	
33 01 30 51-0141				Steel Compression Repair Fittings, Elbows <small>(33 01 30 51-0110)</small>		
				Note: Includes armored gaskets.		
				33 01 30 51-0142 EA 1" 45 Degree Elbow (Compression).....	74.51	
				33 01 30 51-0143 EA 1-1/4" 45 Degree Elbow (Compression).....	77.98	
				33 01 30 51-0144 EA 1-1/2" 45 Degree Elbow (Compression).....	100.57	
				33 01 30 51-0145 EA 2" 45 Degree Elbow (Compression).....	126.64	
				33 01 30 51-0146 EA 3/4" 90 Degree Elbow (Compression).....	50.59	
				33 01 30 51-0147 EA 1" 90 Degree Elbow (Compression).....	52.85	
				33 01 30 51-0148 EA 1-1/4" 90 Degree Elbow (Compression).....	61.81	
				33 01 30 51-0149 EA 1-1/2" 90 Degree Elbow (Compression).....	87.45	
				33 01 30 51-0150 EA 2" 90 Degree Elbow (Compression).....	96.32	
				33 01 30 51-0151 EA 3/4" Plain End 90 Degree Street Elbow (Compression).....	50.74	
				33 01 30 51-0152 EA 1" Plain End 90 Degree Street Elbow (Compression).....	45.64	
				33 01 30 51-0153 EA 1-1/4" Plain End 90 Degree Street Elbow (Compression).....	51.61	
				33 01 30 51-0154 EA 1-1/2" Plain End 90 Degree Street Elbow (Compression).....	65.21	
				33 01 30 51-0155 EA 2" Plain End 90 Degree Street Elbow (Compression).....	83.74	
				33 01 30 51-0156 EA 3/4" Threaded End 90 Degree Street Elbow (Compression).....	52.31	
				33 01 30 51-0157 EA 1" Threaded End 90 Degree Street Elbow (Compression).....	48.58	
				33 01 30 51-0158 EA 1-1/4" Threaded End 90 Degree Street Elbow (Compression).....	62.51	
				33 01 30 51-0159 EA 1-1/2" Threaded End 90 Degree Street Elbow (Compression).....	75.61	
				33 01 30 51-0160 EA 2" Threaded End 90 Degree Street Elbow (Compression).....	105.98	
33 01 30 51-0161				Steel Compression Repair Fittings, Tees <small>(33 01 30 51-0110)</small>		
				Note: Includes armored gaskets.		
				33 01 30 51-0162 EA 3/4" Street Tee (Compression).....	56.97	
				33 01 30 51-0163 EA 1" Street Tee (Compression).....	67.02	
				33 01 30 51-0164 EA 1-1/4" Street Tee (Compression).....	68.50	
				33 01 30 51-0165 EA 1-1/2" Street Tee (Compression).....	79.73	
				33 01 30 51-0166 EA 2" Street Tee (Compression).....	118.02	
				33 01 30 51-0167 EA 1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression).....	67.93	
				33 01 30 51-0168 EA 1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	70.77	
				33 01 30 51-0169 EA 1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....	88.62	
				33 01 30 51-0170 EA 1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....	101.45	
				33 01 30 51-0171 EA 1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....	102.02	
				33 01 30 51-0172 EA 1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....	87.42	
				33 01 30 51-0173 EA 2" x 1-1/4" x 2" Reducing Street Tee (Compression).....	115.25	
				33 01 30 51-0174 EA 2" x 1-1/2" x 2" Reducing Street Tee (Compression).....	129.51	
				33 01 30 51-0175 EA 3/4" Welding Street Tee (Compression).....	99.74	
				33 01 30 51-0176 EA 1" Welding Street Tee (Compression).....	100.87	
				33 01 30 51-0177 EA 1-1/4" Welding Street Tee (Compression).....	108.61	
				33 01 30 51-0178 EA 1-1/2" Welding Street Tee (Compression).....	131.04	
				33 01 30 51-0179 EA 2" Welding Street Tee (Compression).....	175.27	
				33 01 30 51-0180 EA 3/4" Regular Tee (Compression).....	74.86	
				33 01 30 51-0181 EA 1" Regular Tee (Compression).....	128.01	
				33 01 30 51-0182 EA 1-1/4" Regular Tee (Compression).....	135.70	
				33 01 30 51-0183 EA 1-1/2" Regular Tee (Compression).....	146.93	
				33 01 30 51-0184 EA 2" Regular Tee (Compression).....	163.72	
				33 01 30 51-0185 EA 2" x 2" x 1-1/4" Regular Reducing Tee (Compression).....	161.43	
33 01 30 51-0186				Steel Compression Repair Fittings, Male Adapters <small>(33 01 30 51-0110)</small>		
				Note: Includes armored gaskets.		
				33 01 30 51-0187 EA 3/4" Male Adapter (Compression).....	50.46	
				33 01 30 51-0188 EA 1" Male Adapter (Compression).....	56.41	
				33 01 30 51-0189 EA 1-1/4" Male Adapter (Compression).....	72.92	
				33 01 30 51-0190 EA 1-1/2" Male Adapter (Compression).....	82.90	
				33 01 30 51-0191 EA 2" Male Adapter (Compression).....	93.93	
				33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression).....	72.56	
33 01 30 51-0193				Steel Compression Repair Fittings, Line Caps <small>(33 01 30 51-0110)</small>		
				Note: Includes armored gaskets.		
				33 01 30 51-0194 EA 3/4" Line Caps (Compression).....	26.98	
				33 01 30 51-0195 EA 1" Line Caps (Compression).....	31.41	
				33 01 30 51-0196 EA 1-1/4" Line Caps (Compression).....	35.92	
				33 01 30 51-0197 EA 1-1/2" Line Caps (Compression).....	42.44	
				33 01 30 51-0198 EA 2" Line Caps (Compression).....	52.31	
33 01 30 51-0199				Temporary Bypass And Service Lines <small>(33 01 30 51-0001)</small>		
				Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 51-0200				Temporary Water Service Lines <small>(33 01 30 51-0199)</small>		
				Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
				33 01 30 51-0201 LF 1/2" Temporary Service Hose With Fittings.....	2.01	
				Note: Includes removal after use.		

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0202 LF 3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	2.55	
33 01 30 51-0203 LF 1" Temporary Service Hose With Fittings Note: Includes removal after use.	2.95	
33 01 30 51-0204 LF 1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.50	
33 01 30 51-0205 LF 2" Temporary Service Hose With Fittings Note: Includes removal after use.	4.30	
33 01 30 51-0206 EA Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	224.51	
33 01 30 51-0207 Temporary Bypass Water Main Lines (33 01 30 51-0199) Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0208 LF 2" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	4.53	
For >500 To 1,000, Deduct	-0.31	
For >1,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-1.04	
33 01 30 51-0209 LF 4" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	5.86	
For >500 To 1,000, Deduct	-0.40	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.34	
33 01 30 51-0210 LF 6" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	7.28	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 5,000, Deduct	-0.93	
For >5,000, Deduct	-1.56	
33 01 30 51-0211 LF 8" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	9.27	
For >500 To 1,000, Deduct	-0.56	
For >1,000 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-1.87	
33 01 30 51-0212 Piping Protection For Temporary Water Line (33 01 30 51-0199)		
33 01 30 51-0213 LF Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	2.21	
33 01 30 51-0214 Drill Meter Cover For Temporary Water Line (33 01 30 51-0199)		
33 01 30 51-0215 EA Drill Meter Cover For Temporary Bypass Pipe.....	12.44	
33 01 30 51-0216 Grind Offset Joint (33 01 30 51-0001)		
33 01 30 51-0217 EA 6" To 10", Grind Drop Offset Joint.....	289.45	
33 01 30 51-0218 EA >10" To 15", Grind Drop Offset Joint.....	385.94	
33 01 30 51-0219 EA >15" To 24", Grind Drop Offset Joint.....	482.42	
33 01 30 51-0220 EA >24" To 30", Grind Drop Offset Joint.....	578.90	
33 01 30 51-0221 Temporary Pipe Plugging (33 01 30 51-0001)		
33 01 30 51-0222 Gravity Bladder Pipe Plugging (33 01 30 51-0221) Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0223 EA 3/4" Bladder Type Pipe Plug.....	57.00	
33 01 30 51-0224 EA 1" Bladder Type Pipe Plug.....	61.05	
33 01 30 51-0225 EA 1-1/4" Bladder Type Pipe Plug.....	66.27	
33 01 30 51-0226 EA 1-1/2" Bladder Type Pipe Plug.....	71.03	
33 01 30 51-0227 EA 2" Bladder Type Pipe Plug.....	75.54	
33 01 30 51-0228 EA 2-1/2" Bladder Type Pipe Plug.....	80.74	
33 01 30 51-0229 EA 3" Bladder Type Pipe Plug.....	87.68	
33 01 30 51-0230 EA 4" Bladder Type Pipe Plug.....	96.59	
33 01 30 51-0231 EA 5" Bladder Type Pipe Plug.....	104.58	
33 01 30 51-0232 EA 6" Bladder Type Pipe Plug.....	116.50	
33 01 30 51-0233 EA 8" Bladder Type Pipe Plug.....	129.45	
33 01 30 51-0234 EA 10" Bladder Type Pipe Plug.....	149.94	
33 01 30 51-0235 EA 12" Bladder Type Pipe Plug.....	178.25	
33 01 30 51-0236 EA 14" Bladder Type Pipe Plug.....	211.61	
33 01 30 51-0237 EA 16" Bladder Type Pipe Plug.....	254.71	
33 01 30 51-0238 EA 18" Bladder Type Pipe Plug.....	306.49	
33 01 30 51-0239 EA 20" Bladder Type Pipe Plug.....	367.01	
33 01 30 51-0240 EA 24" Bladder Type Pipe Plug.....	424.61	
33 01 30 51-0241 Hydra Stop, Hot Tapping Of Pressure Pipe (33 01 30 51-0221) Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0242 EA 2" Hydra Stop, Line Stopper.....	1,534.77	
33 01 30 51-0243 EA 2-1/2" Hydra Stop, Line Stopper.....	1,924.93	
33 01 30 51-0244 EA 3" Hydra Stop, Line Stopper.....	2,353.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0245 EA 4" Hydra Stop, Line Stopper	2,875.73	
33 01 30 51-0246 EA 5" Hydra Stop, Line Stopper	3,287.78	
33 01 30 51-0247 EA 6" Hydra Stop, Line Stopper	3,982.71	
33 01 30 51-0248 EA 8" Hydra Stop, Line Stopper	4,394.75	
33 01 30 51-0249 EA 10" Hydra Stop, Line Stopper	5,089.65	
33 01 30 51-0250 EA 12" Hydra Stop, Line Stopper	5,784.57	
33 01 30 51-0251 EA 14" Hydra Stop, Line Stopper	6,511.76	
33 01 30 51-0252 EA 16" Hydra Stop, Line Stopper	7,432.82	
33 01 30 51-0253 EA 18" Hydra Stop, Line Stopper	8,450.77	
33 01 30 51-0254 EA 20" Hydra Stop, Line Stopper	9,920.88	
33 01 30 51-0255 Aluminum Expansion Plugs <small>(33 01 30 51-0221)</small>		
Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0256 EA 3" Pipe Plug	41.13	
33 01 30 51-0257 EA 4" Pipe Plug	58.03	
33 01 30 51-0258 EA 5" Pipe Plug	65.28	
33 01 30 51-0259 EA 6" Pipe Plug	97.60	
33 01 30 51-0260 EA 8" Pipe Plug	100.46	
33 01 30 51-0261 EA 10" Pipe Plug	124.92	
33 01 30 51-0262 EA 12" Pipe Plug	167.59	
33 01 30 51-0263 EA 14" Pipe Plug	267.99	
33 01 30 51-0264 EA 15" Pipe Plug	290.00	
33 01 30 61 Sewer and Pipe Joint Sealing <small>(33 01 30)</small>		
33 01 30 61-0001 Joint Air Test <small>(33 01 30 61)</small>		
33 01 30 61-0002 EA 4" To 8", Joint Air Test	67.44	
33 01 30 61-0003 EA 10" To 15", Joint Air Test	78.69	
33 01 30 61-0004 EA >15" To 21", Joint Air Test	89.92	
33 01 30 61-0005 EA >21" To 24", Joint Air Test	112.41	
33 01 30 61-0006 EA >24" To 27", Joint Air Test	134.89	
33 01 30 61-0007 EA >27" To 36", Joint Air Test	157.38	
33 01 30 61-0008 Joint Seal And Joint Air Retest <small>(33 01 30 61)</small>		
Note: Includes grout.		
33 01 30 61-0009 EA 4" Joint Seal And Joint Air Retest	197.28	
Note: Includes up to 1 gallon of grout.		
33 01 30 61-0010 EA 6" Joint Seal And Joint Air Retest	219.76	
Note: Includes 1 gallon of grout.		
33 01 30 61-0011 EA 8" Joint Seal And Joint Air Retest	259.66	
Note: Includes 2 gallons of grout.		
33 01 30 61-0012 EA 10" Joint Seal And Joint Air Retest	290.84	
Note: Includes 2.5 gallons of grout.		
33 01 30 61-0013 EA 12" Joint Seal And Joint Air Retest	322.03	
Note: Includes 3 gallons of grout.		
33 01 30 61-0014 EA 15" Joint Seal And Joint Air Retest	380.07	
Note: Includes 3.75 gallons of grout.		
33 01 30 61-0015 EA 18" Joint Seal And Joint Air Retest	438.09	
Note: Includes 4.5 gallons of grout.		
33 01 30 61-0016 EA 21" Joint Seal And Joint Air Retest	496.11	
Note: Includes 5.25 gallons of grout.		
33 01 30 61-0017 EA 24" Joint Seal And Joint Air Retest	576.63	
Note: Includes 6 gallons of grout.		
33 01 30 61-0018 EA 27" Joint Seal And Joint Air Retest	657.14	
Note: Includes 6.75 gallons of grout.		
33 01 30 61-0019 EA 30" Joint Seal And Joint Air Retest	760.13	
Note: Includes 7.5 gallons of grout.		
33 01 30 61-0020 EA 36" Joint Seal And Joint Air Retest	876.18	
Note: Includes 9 gallons of grout.		
33 01 30 61-0021 GAL Extra Grout Per Joint	107.34	
Note: For extra grout per joint required over listed amount.		
33 01 30 71 Rehabilitation Of Sewer Utilities <small>(33 01 30)</small>		
33 01 30 71-0001 Pipe Bursting <small>(33 01 30 71)</small>		
Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30 71-0002 Manhole Chipping <small>(33 01 30 71-0001)</small>		
Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 71-0003 EA 6" To 15" Diameter, Manhole Chipping	249.47	
33 01 30 71-0004 EA >15" To 24" Diameter, Manhole Chipping	292.87	
33 01 30 71-0005 EA >24" To 36" Diameter, Manhole Chipping	366.06	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0006			Pipe Bursting <small>(33 01 30 71-0001)</small> Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 71-0047 for PE piping.		
33 01 30 71-0007			Pipe Bursting Equipment Set-up <small>(33 01 30 71-0006)</small>		
33 01 30 71-0008	EA		Initial Set-up Pipe Bursting Equipment.....	4,766.29	
33 01 30 71-0009	EA		Re-Set Up/Move Pipe Bursting Equipment.....	2,383.15	
33 01 30 71-0010	EA		Set Up/Move Pipe Bursting Equipment For Laterals.....	1,191.57	
33 01 30 71-0011			Pneumatic Head Pipe Bursting <small>(33 01 30 71-0006)</small>		
33 01 30 71-0012	LF		4" Diameter, Pneumatic Head Pipe Bursting 15.51 <i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i> <i>For >150 To 200, Add</i> 0.83 <i>For >100 To 150, Add</i> 0.54 <i>For >75 To 100, Add</i> 1.08 <i>For >50 To 75, Add</i> 1.63 <i>For >25 To 50, Add</i> 2.17 <i>For Up To 25, Add</i> 3.25 <i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i> 4.88 <i>For Bursting Ductile Iron Pipe, Add</i> 1.08 2.71		
33 01 30 71-0013	LF		6" Diameter, Pneumatic Head Pipe Bursting 18.10 <i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i> 1.03 <i>For >150 To 200, Add</i> 0.67 <i>For >100 To 150, Add</i> 1.34 <i>For >75 To 100, Add</i> 2.01 <i>For >50 To 75, Add</i> 2.69 <i>For >25 To 50, Add</i> 4.03 <i>For Up To 25, Add</i> 6.04 <i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i> 1.34 <i>For Bursting Ductile Iron Pipe, Add</i> 3.36		
33 01 30 71-0014	LF		8" Diameter, Pneumatic Head Pipe Bursting 20.54 <i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i> 1.22 <i>For >150 To 200, Add</i> 0.79 <i>For >100 To 150, Add</i> 1.59 <i>For >75 To 100, Add</i> 2.38 <i>For >50 To 75, Add</i> 3.17 <i>For >25 To 50, Add</i> 4.76 <i>For Up To 25, Add</i> 7.14 <i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i> 1.59 <i>For Bursting Ductile Iron Pipe, Add</i> 3.97		
33 01 30 71-0015	LF		10" Diameter, Pneumatic Head Pipe Bursting 23.69 <i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i> 1.46 <i>For >150 To 200, Add</i> 0.95 <i>For >100 To 150, Add</i> 1.90 <i>For >75 To 100, Add</i> 2.85 <i>For >50 To 75, Add</i> 3.80 <i>For >25 To 50, Add</i> 5.71 <i>For Up To 25, Add</i> 8.56 <i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i> 1.90 <i>For Bursting Ductile Iron Pipe, Add</i> 4.76		
33 01 30 71-0016	LF		12" Diameter, Pneumatic Head Pipe Bursting 27.33 <i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i> 1.74 <i>For >150 To 200, Add</i> 1.13 <i>For >100 To 150, Add</i> 2.27 <i>For >75 To 100, Add</i> 3.40 <i>For >50 To 75, Add</i> 4.53 <i>For >25 To 50, Add</i> 6.80 <i>For Up To 25, Add</i> 10.20 <i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i> 2.27 <i>For Bursting Ductile Iron Pipe, Add</i> 5.67		
33 01 30 71-0017	LF		15" Diameter, Pneumatic Head Pipe Bursting 29.84 <i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i> 1.80 <i>For >150 To 200, Add</i> 1.17 <i>For >100 To 150, Add</i> 2.34 <i>For >75 To 100, Add</i> 3.51 <i>For >50 To 75, Add</i> 4.68 <i>For >25 To 50, Add</i> 7.01 <i>For Up To 25, Add</i> 10.52 <i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i> 2.34 <i>For Bursting Ductile Iron Pipe, Add</i> 5.85		
33 01 30 71-0018	LF		18" Diameter, Pneumatic Head Pipe Bursting 33.49 <i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i> 2.08 <i>For >150 To 200, Add</i> 1.35 <i>For >100 To 150, Add</i> 2.70 <i>For >75 To 100, Add</i> 4.05 <i>For >50 To 75, Add</i> 5.41 <i>For >25 To 50, Add</i> 8.11 <i>For Up To 25, Add</i> 12.16 <i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i> 2.70 <i>For Bursting Ductile Iron Pipe, Add</i> 6.76		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0019 LF 21" Diameter, Pneumatic Head Pipe Bursting	41.85	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.48	
For >150 To 200, Add	1.61	
For >100 To 150, Add	3.22	
For >75 To 100, Add	4.82	
For >50 To 75, Add	6.43	
For >25 To 50, Add	9.65	
For Up To 25, Add	14.47	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.22	
For Bursting Ductile Iron Pipe, Add	8.04	
33 01 30 71-0020 LF 24" Diameter, Pneumatic Head Pipe Bursting	52.19	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.27	
For >150 To 200, Add	2.12	
For >100 To 150, Add	4.25	
For >75 To 100, Add	6.37	
For >50 To 75, Add	8.50	
For >25 To 50, Add	12.75	
For Up To 25, Add	19.12	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.25	
For Bursting Ductile Iron Pipe, Add	10.62	
33 01 30 71-0021 LF 30" Diameter, Pneumatic Head Pipe Bursting	57.00	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.39	
For >150 To 200, Add	2.20	
For >100 To 150, Add	4.41	
For >75 To 100, Add	6.61	
For >50 To 75, Add	8.82	
For >25 To 50, Add	13.22	
For Up To 25, Add	19.84	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.41	
For Bursting Ductile Iron Pipe, Add	11.02	
33 01 30 71-0022 LF 36" Diameter, Pneumatic Head Pipe Bursting	75.38	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.81	
For >150 To 200, Add	3.12	
For >100 To 150, Add	6.25	
For >75 To 100, Add	9.37	
For >50 To 75, Add	12.49	
For >25 To 50, Add	18.74	
For Up To 25, Add	28.11	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.25	
For Bursting Ductile Iron Pipe, Add	15.62	
33 01 30 71-0023 Static Head Pipe Bursting <small>(33 01 30 71-0006)</small>		
33 01 30 71-0024 LF 4" Diameter, Static Head Pipe Bursting	20.77	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.24	
For >150 To 200, Add	0.81	
For >100 To 150, Add	1.61	
For >75 To 100, Add	2.42	
For >50 To 75, Add	3.22	
For >25 To 50, Add	4.83	
For Up To 25, Add	7.25	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.61	
For Bursting Ductile Iron Pipe, Add	4.03	
33 01 30 71-0025 LF 6" Diameter, Static Head Pipe Bursting	23.40	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.44	
For >150 To 200, Add	0.94	
For >100 To 150, Add	1.87	
For >75 To 100, Add	2.81	
For >50 To 75, Add	3.75	
For >25 To 50, Add	5.62	
For Up To 25, Add	8.43	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.87	
For Bursting Ductile Iron Pipe, Add	4.68	
33 01 30 71-0026 LF 8" Diameter, Static Head Pipe Bursting	26.42	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.67	
For >150 To 200, Add	1.09	
For >100 To 150, Add	2.18	
For >75 To 100, Add	3.26	
For >50 To 75, Add	4.35	
For >25 To 50, Add	6.53	
For Up To 25, Add	9.79	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.18	
For Bursting Ductile Iron Pipe, Add	5.44	
33 01 30 71-0027 LF 10" Diameter, Static Head Pipe Bursting	30.36	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.98	
For >150 To 200, Add	1.28	
For >100 To 150, Add	2.57	
For >75 To 100, Add	3.85	
For >50 To 75, Add	5.14	
For >25 To 50, Add	7.71	
For Up To 25, Add	11.56	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.57	
For Bursting Ductile Iron Pipe, Add	6.42	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0028 LF 12" Diameter, Static Head Pipe Bursting	34.89	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.33	
For >150 To 200, Add	1.51	
For >100 To 150, Add	3.02	
For >75 To 100, Add	4.53	
For >50 To 75, Add	6.04	
For >25 To 50, Add	9.07	
For Up To 25, Add	13.60	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.02	
For Bursting Ductile Iron Pipe, Add	7.56	
33 01 30 71-0029 LF 15" Diameter, Static Head Pipe Bursting	40.00	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.58	
For >150 To 200, Add	1.68	
For >100 To 150, Add	3.35	
For >75 To 100, Add	5.03	
For >50 To 75, Add	6.71	
For >25 To 50, Add	10.06	
For Up To 25, Add	15.09	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.35	
For Bursting Ductile Iron Pipe, Add	8.39	
33 01 30 71-0030 LF 18" Diameter, Static Head Pipe Bursting	44.42	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.92	
For >150 To 200, Add	1.90	
For >100 To 150, Add	3.80	
For >75 To 100, Add	5.69	
For >50 To 75, Add	7.59	
For >25 To 50, Add	11.39	
For Up To 25, Add	17.08	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.80	
For Bursting Ductile Iron Pipe, Add	9.49	
33 01 30 71-0031 LF 21"/22" Diameter, Static Head Pipe Bursting	55.16	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.50	
For >150 To 200, Add	2.27	
For >100 To 150, Add	4.55	
For >75 To 100, Add	6.82	
For >50 To 75, Add	9.09	
For >25 To 50, Add	13.64	
For Up To 25, Add	20.46	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.55	
For Bursting Ductile Iron Pipe, Add	11.37	
33 01 30 71-0032 LF 24" Diameter, Static Head Pipe Bursting	72.23	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.81	
For >150 To 200, Add	3.13	
For >100 To 150, Add	6.25	
For >75 To 100, Add	9.38	
For >50 To 75, Add	12.51	
For >25 To 50, Add	18.76	
For Up To 25, Add	28.14	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.25	
For Bursting Ductile Iron Pipe, Add	15.63	
33 01 30 71-0033 LF 30" Diameter, Static Head Pipe Bursting	87.63	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.75	
For >150 To 200, Add	3.74	
For >100 To 150, Add	7.47	
For >75 To 100, Add	11.21	
For >50 To 75, Add	14.94	
For >25 To 50, Add	22.41	
For Up To 25, Add	33.62	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.47	
For Bursting Ductile Iron Pipe, Add	18.68	
33 01 30 71-0034 LF 36" Diameter, Static Head Pipe Bursting	106.59	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.21	
For >150 To 200, Add	4.68	
For >100 To 150, Add	9.37	
For >75 To 100, Add	14.05	
For >50 To 75, Add	18.73	
For >25 To 50, Add	28.10	
For Up To 25, Add	42.15	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.37	
For Bursting Ductile Iron Pipe, Add	23.42	
33 01 30 71-0035 Hydraulic Head Pipe Bursting (33 01 30 71-0006)		
33 01 30 71-0036 LF 4" Diameter, Hydraulic Head Pipe Bursting	17.91	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.02	
For >150 To 200, Add	0.66	
For >100 To 150, Add	1.32	
For >75 To 100, Add	1.99	
For >50 To 75, Add	2.65	
For >25 To 50, Add	3.97	
For Up To 25, Add	5.96	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.32	
For Bursting Ductile Iron Pipe, Add	3.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0037 LF 6" Diameter, Hydraulic Head Pipe Bursting	20.23	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.20	
For >150 To 200, Add	0.78	
For >100 To 150, Add	1.56	
For >75 To 100, Add	2.33	
For >50 To 75, Add	3.11	
For >25 To 50, Add	4.67	
For Up To 25, Add	7.00	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.56	
For Bursting Ductile Iron Pipe, Add	3.89	
33 01 30 71-0038 LF 8" Diameter, Hydraulic Head Pipe Bursting	22.90	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.40	
For >150 To 200, Add	0.91	
For >100 To 150, Add	1.82	
For >75 To 100, Add	2.73	
For >50 To 75, Add	3.65	
For >25 To 50, Add	5.47	
For Up To 25, Add	8.20	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.82	
For Bursting Ductile Iron Pipe, Add	4.56	
33 01 30 71-0039 LF 10" Diameter, Hydraulic Head Pipe Bursting	26.36	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.67	
For >150 To 200, Add	1.08	
For >100 To 150, Add	2.17	
For >75 To 100, Add	3.25	
For >50 To 75, Add	4.34	
For >25 To 50, Add	6.51	
For Up To 25, Add	9.76	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.17	
For Bursting Ductile Iron Pipe, Add	5.42	
33 01 30 71-0040 LF 12" Diameter, Hydraulic Head Pipe Bursting	30.36	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.98	
For >150 To 200, Add	1.28	
For >100 To 150, Add	2.57	
For >75 To 100, Add	3.85	
For >50 To 75, Add	5.14	
For >25 To 50, Add	7.71	
For Up To 25, Add	11.56	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.57	
For Bursting Ductile Iron Pipe, Add	6.42	
33 01 30 71-0041 LF 15" Diameter, Hydraulic Head Pipe Bursting	34.64	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.17	
For >150 To 200, Add	1.41	
For >100 To 150, Add	2.82	
For >75 To 100, Add	4.23	
For >50 To 75, Add	5.64	
For >25 To 50, Add	8.45	
For Up To 25, Add	12.68	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.82	
For Bursting Ductile Iron Pipe, Add	7.05	
33 01 30 71-0042 LF 18" Diameter, Hydraulic Head Pipe Bursting	38.99	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.50	
For >150 To 200, Add	1.63	
For >100 To 150, Add	3.25	
For >75 To 100, Add	4.88	
For >50 To 75, Add	6.51	
For >25 To 50, Add	9.76	
For Up To 25, Add	14.64	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.25	
For Bursting Ductile Iron Pipe, Add	8.13	
33 01 30 71-0043 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting	48.65	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.00	
For >150 To 200, Add	1.95	
For >100 To 150, Add	3.90	
For >75 To 100, Add	5.84	
For >50 To 75, Add	7.79	
For >25 To 50, Add	11.69	
For Up To 25, Add	17.53	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.90	
For Bursting Ductile Iron Pipe, Add	9.74	
33 01 30 71-0044 LF 24" Diameter, Hydraulic Head Pipe Bursting	64.34	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.21	
For >150 To 200, Add	2.73	
For >100 To 150, Add	5.46	
For >75 To 100, Add	8.20	
For >50 To 75, Add	10.93	
For >25 To 50, Add	16.39	
For Up To 25, Add	24.59	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.46	
For Bursting Ductile Iron Pipe, Add	13.66	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0045 LF 30" Diameter, Hydraulic Head Pipe Bursting	78.78	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.07	
For >150 To 200, Add	3.29	
For >100 To 150, Add	6.59	
For >75 To 100, Add	9.88	
For >50 To 75, Add	13.17	
For >25 To 50, Add	19.76	
For Up To 25, Add	29.64	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.59	
For Bursting Ductile Iron Pipe, Add	16.47	
33 01 30 71-0046 LF 36" Diameter, Hydraulic Head Pipe Bursting	96.80	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.46	
For >150 To 200, Add	4.19	
For >100 To 150, Add	8.39	
For >75 To 100, Add	12.58	
For >50 To 75, Add	16.78	
For >25 To 50, Add	25.16	
For Up To 25, Add	37.75	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.39	
For Bursting Ductile Iron Pipe, Add	20.97	
33 01 30 71-0047 Pipe Lining <small>(33 01 30 71-0001)</small>		
33 01 30 71-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 71-0047)</small>		
Note: Per each joint.		
33 01 30 71-0049 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	82.24	
33 01 30 71-0050 EA >15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	94.36	
33 01 30 71-0051 EA >24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	112.54	
33 01 30 71-0052 High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 71-0047)</small>		
Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 71-0048 for pipe joint fusion.		
33 01 30 71-0053 LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	2.53	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.27	
For DR 11 Polyethylene Pipe, 160 PSI, Add	0.73	
For White Interior Pipe, Add	0.50	
For Gray Interior Pipe, Add	0.38	
33 01 30 71-0054 LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	3.32	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.41	
For DR 11 Polyethylene Pipe, 160 PSI, Add	1.11	
For White Interior Pipe, Add	0.75	
For Gray Interior Pipe, Add	0.57	
33 01 30 71-0055 LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.72	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.66	
For DR 11 Polyethylene Pipe, 160 PSI, Add	1.78	
For White Interior Pipe, Add	1.20	
For Gray Interior Pipe, Add	0.91	
33 01 30 71-0056 LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.32	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.76	
For DR 11 Polyethylene Pipe, 160 PSI, Add	2.06	
For White Interior Pipe, Add	1.39	
For Gray Interior Pipe, Add	1.05	
33 01 30 71-0057 LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.29	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.11	
For DR 11 Polyethylene Pipe, 160 PSI, Add	3.01	
For White Interior Pipe, Add	2.03	
For Gray Interior Pipe, Add	1.54	
33 01 30 71-0058 LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	10.74	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.72	
For DR 11 Polyethylene Pipe, 160 PSI, Add	4.68	
For White Interior Pipe, Add	3.16	
For Gray Interior Pipe, Add	2.39	
33 01 30 71-0059 LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	14.66	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-2.42	
For DR 11 Polyethylene Pipe, 160 PSI, Add	6.58	
For White Interior Pipe, Add	4.44	
For Gray Interior Pipe, Add	3.37	
33 01 30 71-0060 LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	16.05	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-2.67	
For DR 11 Polyethylene Pipe, 160 PSI, Add	7.24	
For White Interior Pipe, Add	4.89	
For Gray Interior Pipe, Add	3.70	
33 01 30 71-0061 LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	17.50	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-2.92	
For DR 11 Polyethylene Pipe, 160 PSI, Add	7.94	
For White Interior Pipe, Add	5.36	
For Gray Interior Pipe, Add	4.06	
33 01 30 71-0062 LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	22.54	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-3.81	
For DR 11 Polyethylene Pipe, 160 PSI, Add	10.36	
For White Interior Pipe, Add	6.99	
For Gray Interior Pipe, Add	5.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0063 LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	28.28	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-4.83	
For DR 11 Polyethylene Pipe, 160 PSI, Add	13.12	
For White Interior Pipe, Add	8.86	
For Gray Interior Pipe, Add	6.71	
33 01 30 71-0064 LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	34.67	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-5.96	
For DR 11 Polyethylene Pipe, 160 PSI, Add	16.20	
For White Interior Pipe, Add	10.93	
For Gray Interior Pipe, Add	8.28	
33 01 30 71-0065 LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	41.74	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-7.21	
For DR 11 Polyethylene Pipe, 160 PSI, Add	19.60	
For White Interior Pipe, Add	13.23	
For Gray Interior Pipe, Add	10.02	
33 01 30 71-0066 LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	49.52	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-8.59	
For DR 11 Polyethylene Pipe, 160 PSI, Add	23.33	
For White Interior Pipe, Add	15.74	
For Gray Interior Pipe, Add	11.93	
33 01 30 71-0067 LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	57.93	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-10.07	
For DR 11 Polyethylene Pipe, 160 PSI, Add	27.36	
For White Interior Pipe, Add	18.47	
For Gray Interior Pipe, Add	13.99	
33 01 30 71-0068 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	67.07	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-11.68	
For DR 11 Polyethylene Pipe, 160 PSI, Add	31.74	
For White Interior Pipe, Add	21.42	
For Gray Interior Pipe, Add	16.23	
33 01 30 71-0069 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	76.92	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-13.41	
For DR 11 Polyethylene Pipe, 160 PSI, Add	36.44	
For White Interior Pipe, Add	24.59	
For Gray Interior Pipe, Add	18.63	
33 01 30 71-0070 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	87.47	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-15.26	
For DR 11 Polyethylene Pipe, 160 PSI, Add	41.45	
For White Interior Pipe, Add	27.97	
For Gray Interior Pipe, Add	21.19	
33 01 30 71-0071 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	107.69	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-18.83	
For DR 11 Polyethylene Pipe, 160 PSI, Add	51.15	
For White Interior Pipe, Add	34.52	
For Gray Interior Pipe, Add	26.15	
33 01 30 71-0072 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	110.89	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-19.31	
For DR 11 Polyethylene Pipe, 160 PSI, Add	52.46	
For White Interior Pipe, Add	35.41	
For Gray Interior Pipe, Add	26.82	
33 01 30 71-0073 Re-Connection Of Non-Renewed Laterals (33 01 30 71-0001)		
33 01 30 71-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee (33 01 30 71-0073)		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0035 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 71-0075 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	802.36	
For No Excavation, Deduct	-528.12	
33 01 30 71-0076 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	901.02	
For No Excavation, Deduct	-594.14	
33 01 30 71-0077 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	951.07	
For No Excavation, Deduct	-627.14	
33 01 30 71-0078 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,001.12	
For No Excavation, Deduct	-660.14	
33 01 30 71-0079 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,078.76	
For No Excavation, Deduct	-693.15	
33 01 30 71-0080 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,011.28	
For No Excavation, Deduct	-660.14	
33 01 30 71-0081 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,062.80	
For No Excavation, Deduct	-693.15	
33 01 30 71-0082 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,134.62	
For No Excavation, Deduct	-726.16	
33 01 30 71-0083 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,305.16	
For No Excavation, Deduct	-759.17	
33 01 30 71-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,372.63	
For No Excavation, Deduct	-792.18	
33 01 30 71-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,631.70	
For No Excavation, Deduct	-825.18	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 71-0086		Re-Connection Of Non-Renewed Laterals; Saddle Style <small>(33 01 30 71-0073)</small>	
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0035 for hauling, 31 05 16 00-0001 for back-fill material.			
33 01 30 71-0087	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap.....	1,873.66
		<i>For No Excavation, Deduct</i>	-589.42
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-131.54
33 01 30 71-0088	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap.....	2,079.46
		<i>For No Excavation, Deduct</i>	-613.00
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-117.18
33 01 30 71-0089	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap.....	2,961.14
		<i>For No Excavation, Deduct</i>	-636.57
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-1.43
33 01 30 71-0090	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap.....	3,102.60
		<i>For No Excavation, Deduct</i>	-707.30
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-29.72
33 01 30 71-0091	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap.....	5,724.84
		<i>For No Excavation, Deduct</i>	-754.45
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	330.61
33 01 30 71-0092	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap.....	6,188.55
		<i>For No Excavation, Deduct</i>	-836.97
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	342.40
33 01 30 71-0093	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap.....	8,265.13
		<i>For No Excavation, Deduct</i>	-919.49
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	596.13
33 01 30 71-0094	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap.....	7,823.68
		<i>For No Excavation, Deduct</i>	-1,037.37
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	447.39
33 01 30 71-0095	EA	Re-Connection Of Non-Renewed Lateral, 22" Main With 4" Or 6" Saddle Tap.....	7,728.22
		<i>For No Excavation, Deduct</i>	-1,131.68
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	367.06
33 01 30 71-0096	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap.....	9,514.03
		<i>For No Excavation, Deduct</i>	-1,225.99
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	568.91

33 01 30 72 Relining Pipelines (33 01 30)

33 01 30 72-0001		Relining Underground Pipelines <small>(33 01 30 72)</small>	
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 16-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.			
33 01 30 72-0002		Relining Underground Pipelines Set-Up And Reinsertion <small>(33 01 30 72-0001)</small>	
33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	3,679.04
33 01 30 72-0004	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines	1,471.61
33 01 30 72-0005	EA	Mixing Truck And Refrigeration For 54" To 72" CIPP	24,579.27
Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.			

33 01 30 72-0006		Lining Pipe With Cured In-Place Pipe <small>(33 01 30 72-0001)</small>	
Note: Cured in-place thermosetting resin pipe and resin impregnated tube.			
33 01 30 72-0007	LF	6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP)	23.95
		<i>For Up To 75, Add</i>	15.83
		<i>For >75 To 150, Add</i>	7.91
		<i>For >500 To 1,000, Deduct</i>	-0.65
		<i>For >1,000 To 2,000, Deduct</i>	-1.26
		<i>For >2,000 To 5,000, Deduct</i>	-1.95
		<i>For >5,000, Deduct</i>	-2.82
		<i>For 7.5mm Liner Thickness, Add</i>	3.87
		<i>For 9mm Liner Thickness, Add</i>	7.82
33 01 30 72-0008	LF	6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	26.49
		<i>For Up To 75, Add</i>	17.26
		<i>For >75 To 150, Add</i>	8.63
		<i>For >500 To 1,000, Deduct</i>	-0.71
		<i>For >1,000 To 2,000, Deduct</i>	-1.38
		<i>For >2,000 To 5,000, Deduct</i>	-2.14
		<i>For >5,000, Deduct</i>	-3.11
		<i>For 7.5mm Liner Thickness, Add</i>	4.32
		<i>For 9mm Liner Thickness, Add</i>	8.74
33 01 30 72-0009	LF	6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	29.62
		<i>For Up To 75, Add</i>	18.98
		<i>For >75 To 150, Add</i>	9.49
		<i>For >500 To 1,000, Deduct</i>	-0.79
		<i>For >1,000 To 2,000, Deduct</i>	-1.54
		<i>For >2,000 To 5,000, Deduct</i>	-2.38
		<i>For >5,000, Deduct</i>	-3.46
		<i>For 7.5mm Liner Thickness, Add</i>	4.90
		<i>For 9mm Liner Thickness, Add</i>	9.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0010 LF 6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	32.97	
For Up To 75, Add	20.95	
For >75 To 150, Add	10.47	
For >500 To 1,000, Deduct	-0.88	
For >1,000 To 2,000, Deduct	-1.71	
For >2,000 To 5,000, Deduct	-2.64	
For >5,000, Deduct	-3.85	
For 7.5mm Liner Thickness, Add	5.48	
For 9mm Liner Thickness, Add	11.09	
33 01 30 72-0011 LF 6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	37.86	
For Up To 75, Add	23.89	
For >75 To 150, Add	11.94	
For >500 To 1,000, Deduct	-1.01	
For >1,000 To 2,000, Deduct	-1.95	
For >2,000 To 5,000, Deduct	-3.02	
For >5,000, Deduct	-4.41	
For 7.5mm Liner Thickness, Add	6.33	
For 9mm Liner Thickness, Add	12.79	
For 10.5mm Liner Thickness, Add	19.17	
For 12mm Liner Thickness, Add	25.51	
For 13.5mm Liner Thickness, Add	31.94	
For 15mm Liner Thickness, Add	38.27	
33 01 30 72-0012 LF 6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	44.21	
For Up To 75, Add	27.24	
For >75 To 150, Add	13.62	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-2.26	
For >2,000 To 5,000, Deduct	-3.50	
For >5,000, Deduct	-5.13	
For 7.5mm Liner Thickness, Add	7.52	
For 9mm Liner Thickness, Add	15.20	
For 10.5mm Liner Thickness, Add	22.77	
For 12mm Liner Thickness, Add	30.30	
For 13.5mm Liner Thickness, Add	37.94	
For 15mm Liner Thickness, Add	45.45	
33 01 30 72-0013 LF 6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	49.48	
For Up To 75, Add	29.83	
For >75 To 150, Add	14.91	
For >500 To 1,000, Deduct	-1.30	
For >1,000 To 2,000, Deduct	-2.52	
For >2,000 To 5,000, Deduct	-3.89	
For >5,000, Deduct	-5.71	
For 7.5mm Liner Thickness, Add	8.54	
For 9mm Liner Thickness, Add	17.26	
For 10.5mm Liner Thickness, Add	25.87	
For 12mm Liner Thickness, Add	34.42	
For 13.5mm Liner Thickness, Add	43.10	
For 15mm Liner Thickness, Add	51.63	
For 16.5mm Liner Thickness, Add	61.28	
For 18mm Liner Thickness, Add	70.03	
For 19.5mm Liner Thickness, Add	79.05	
For 21mm Liner Thickness, Add	87.72	
For 22.5mm Liner Thickness, Add	96.47	
For 24mm Liner Thickness, Add	105.26	
For 27mm Liner Thickness, Add	122.84	
33 01 30 72-0014 LF 6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	54.01	
For Up To 75, Add	32.54	
For >75 To 150, Add	16.27	
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 2,000, Deduct	-2.75	
For >2,000 To 5,000, Deduct	-4.24	
For >5,000, Deduct	-6.24	
For 7.5mm Liner Thickness, Add	9.32	
For 9mm Liner Thickness, Add	18.85	
For 10.5mm Liner Thickness, Add	28.25	
For 12mm Liner Thickness, Add	37.59	
For 13.5mm Liner Thickness, Add	47.06	
For 15mm Liner Thickness, Add	56.38	
For 16.5mm Liner Thickness, Add	66.91	
For 18mm Liner Thickness, Add	76.47	
For 19.5mm Liner Thickness, Add	86.32	
For 21mm Liner Thickness, Add	95.79	
For 22.5mm Liner Thickness, Add	105.34	
For 24mm Liner Thickness, Add	114.94	
For 27mm Liner Thickness, Add	134.14	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0015 LF 6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	60.76	
For Up To 75, Add	36.06	
For >75 To 150, Add	18.03	
For >500 To 1,000, Deduct	-1.58	
For >1,000 To 2,000, Deduct	-3.07	
For >2,000 To 5,000, Deduct	-4.75	
For >5,000, Deduct	-7.00	
For 7.5mm Liner Thickness, Add	10.59	
For 9mm Liner Thickness, Add	21.42	
For 10.5mm Liner Thickness, Add	32.10	
For 12mm Liner Thickness, Add	42.71	
For 13.5mm Liner Thickness, Add	53.47	
For 15mm Liner Thickness, Add	64.06	
For 16.5mm Liner Thickness, Add	76.02	
For 18mm Liner Thickness, Add	86.88	
For 19.5mm Liner Thickness, Add	98.08	
For 21mm Liner Thickness, Add	108.84	
For 22.5mm Liner Thickness, Add	119.70	
For 24mm Liner Thickness, Add	130.59	
For 27mm Liner Thickness, Add	152.41	
33 01 30 72-0016 LF 6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	67.51	
For Up To 75, Add	40.07	
For >75 To 150, Add	20.04	
For >500 To 1,000, Deduct	-1.76	
For >1,000 To 2,000, Deduct	-3.42	
For >2,000 To 5,000, Deduct	-5.28	
For >5,000, Deduct	-7.77	
For 7.5mm Liner Thickness, Add	11.77	
For 9mm Liner Thickness, Add	23.79	
For 10.5mm Liner Thickness, Add	35.66	
For 12mm Liner Thickness, Add	47.45	
For 13.5mm Liner Thickness, Add	59.40	
For 15mm Liner Thickness, Add	71.17	
For 16.5mm Liner Thickness, Add	84.46	
For 18mm Liner Thickness, Add	96.52	
For 19.5mm Liner Thickness, Add	108.96	
For 21mm Liner Thickness, Add	120.91	
For 22.5mm Liner Thickness, Add	132.97	
For 24mm Liner Thickness, Add	145.08	
For 27mm Liner Thickness, Add	169.32	
33 01 30 72-0017 LF 6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	77.49	
For Up To 75, Add	45.39	
For >75 To 150, Add	22.69	
For >500 To 1,000, Deduct	-2.01	
For >1,000 To 2,000, Deduct	-3.90	
For >2,000 To 5,000, Deduct	-6.03	
For >5,000, Deduct	-8.90	
For 7.5mm Liner Thickness, Add	13.63	
For 9mm Liner Thickness, Add	27.55	
For 10.5mm Liner Thickness, Add	41.28	
For 12mm Liner Thickness, Add	54.94	
For 13.5mm Liner Thickness, Add	68.78	
For 15mm Liner Thickness, Add	82.40	
For 16.5mm Liner Thickness, Add	97.79	
For 18mm Liner Thickness, Add	111.76	
For 19.5mm Liner Thickness, Add	126.16	
For 21mm Liner Thickness, Add	139.99	
For 22.5mm Liner Thickness, Add	153.96	
For 24mm Liner Thickness, Add	167.98	
For 27mm Liner Thickness, Add	196.04	
33 01 30 72-0018 LF 13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	185.15	
For Up To 75, Add	71.19	
For >75 To 150, Add	35.60	
For >500 To 1,000, Deduct	-4.23	
For >1,000 To 2,000, Deduct	-8.33	
For >2,000 To 5,000, Deduct	-12.69	
For >5,000, Deduct	-19.83	
For 15mm Liner Thickness, Add	17.65	
For 16.5mm Liner Thickness, Add	37.26	
For 18mm Liner Thickness, Add	56.18	
For 19.5mm Liner Thickness, Add	74.10	
For 21mm Liner Thickness, Add	92.18	
For 22.5mm Liner Thickness, Add	110.19	
For 24mm Liner Thickness, Add	128.59	
For 27mm Liner Thickness, Add	167.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0019 LF 13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	212.21	
For Up To 75, Add	82.30	
For >75 To 150, Add	41.15	
For >500 To 1,000, Deduct	-4.86	
For >1,000 To 2,000, Deduct	-9.56	
For >2,000 To 5,000, Deduct	-14.57	
For >5,000, Deduct	-22.75	
For 15mm Liner Thickness, Add	20.17	
For 16.5mm Liner Thickness, Add	42.57	
For 18mm Liner Thickness, Add	64.20	
For 19.5mm Liner Thickness, Add	84.67	
For 21mm Liner Thickness, Add	105.34	
For 22.5mm Liner Thickness, Add	125.92	
For 24mm Liner Thickness, Add	146.95	
For 27mm Liner Thickness, Add	191.66	
33 01 30 72-0020 LF 15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	263.79	
For Up To 75, Add	100.59	
For >75 To 150, Add	50.29	
For >500 To 1,000, Deduct	-6.01	
For >1,000 To 2,000, Deduct	-11.84	
For >2,000 To 5,000, Deduct	-18.03	
For >5,000, Deduct	-28.22	
For 16.5mm Liner Thickness, Add	22.72	
For 18mm Liner Thickness, Add	45.63	
For 19.5mm Liner Thickness, Add	68.37	
For 21mm Liner Thickness, Add	91.28	
For 22.5mm Liner Thickness, Add	114.14	
For 24mm Liner Thickness, Add	137.09	
For 27mm Liner Thickness, Add	183.01	
33 01 30 72-0021 LF 18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	352.89	
For Up To 75, Add	135.80	
For >75 To 150, Add	67.90	
For >500 To 1,000, Deduct	-8.06	
For >1,000 To 2,000, Deduct	-15.87	
For >2,000 To 5,000, Deduct	-24.18	
For >5,000, Deduct	-37.80	
For 19.5mm Liner Thickness, Add	25.25	
For 21mm Liner Thickness, Add	50.71	
For 22.5mm Liner Thickness, Add	76.07	
For 24mm Liner Thickness, Add	101.53	
For 27mm Liner Thickness, Add	152.54	
33 01 30 72-0022 LF 18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	411.92	
For Up To 75, Add	184.88	
For >75 To 150, Add	92.44	
For >500 To 1,000, Deduct	-9.82	
For >1,000 To 2,000, Deduct	-19.24	
For >2,000 To 5,000, Deduct	-29.45	
For >5,000, Deduct	-45.13	
For 19.5mm Liner Thickness, Add	27.78	
For 21mm Liner Thickness, Add	55.79	
For 22.5mm Liner Thickness, Add	83.70	
For 24mm Liner Thickness, Add	111.72	
For 27mm Liner Thickness, Add	167.84	
33 01 30 72-0023 LF 18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	501.37	
For Up To 75, Add	279.62	
For >75 To 150, Add	139.81	
For >500 To 1,000, Deduct	-12.79	
For >1,000 To 2,000, Deduct	-24.88	
For >2,000 To 5,000, Deduct	-38.36	
For >5,000, Deduct	-57.04	
For 19.5mm Liner Thickness, Add	30.31	
For 21mm Liner Thickness, Add	60.87	
For 22.5mm Liner Thickness, Add	91.32	
For 24mm Liner Thickness, Add	121.89	
For 27mm Liner Thickness, Add	183.12	
33 01 30 72-0024 Form And Fold Polyethylene (PE) Pipeliner <small>(33 01 30 72-0001)</small>		
33 01 30 72-0025 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	19.37	
For DR 26 Pipe Liner, Add	2.87	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-1.18	
For >2,000, Deduct	-2.36	
33 01 30 72-0026 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	24.10	
For DR 26 Pipe Liner, Add	3.90	
For DR 35 Pipe Liner, Deduct	-1.95	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 2,000, Deduct	-1.27	
For >2,000, Deduct	-2.55	
33 01 30 72-0027 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	25.10	
For DR 26 Pipe Liner, Add	3.98	
For DR 35 Pipe Liner, Deduct	-1.99	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.38	
For >2,000, Deduct	-2.76	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0028 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	33.89	
For DR 26 Pipe Liner, Add	5.96	
For DR 35 Pipe Liner, Deduct	-2.98	
For DR 41 Pipe Liner, Deduct	-5.96	
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 2,000, Deduct	-1.51	
For >2,000, Deduct	-3.01	
33 01 30 72-0029 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	45.94	
For DR 26 Pipe Liner, Add	8.73	
For DR 35 Pipe Liner, Deduct	-4.36	
For DR 41 Pipe Liner, Deduct	-8.73	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000, Deduct	-3.31	
33 01 30 72-0030 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	61.69	
For DR 35 Pipe Liner, Deduct	-6.14	
For DR 41 Pipe Liner, Deduct	-12.29	
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 2,000, Deduct	-1.88	
For >2,000, Deduct	-3.77	
33 01 30 72-0031 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	85.40	
For DR 41 Pipe Liner, Deduct	-7.13	
For DR 50 Pipe Liner, Deduct	-14.25	
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 2,000, Deduct	-2.12	
For >2,000, Deduct	-4.25	
33 01 30 72-0032 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	96.26	
For DR 50 Pipe Liner, Deduct	-12.14	
For DR 55 Pipe Liner, Deduct	-20.23	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,000, Deduct	-2.30	
For >2,000, Deduct	-4.60	
33 01 30 72-0033 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	116.44	
For DR 60 Pipe Liner, Deduct	-14.96	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-2.51	
For >2,000, Deduct	-5.02	
33 01 30 72-0034 Form And Fold Polyvinyl Chloride (PVC) Pipeliner <small>(33 01 30 72-0001)</small>		
33 01 30 72-0035 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	20.45	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-1.18	
For >2,000, Deduct	-2.36	
For DR 26 Pipe Liner, Add	3.14	
33 01 30 72-0036 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	24.10	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 2,000, Deduct	-1.27	
For >2,000, Deduct	-2.55	
For DR 26 Pipe Liner, Add	3.90	
For DR 35 Pipe Liner, Deduct	-1.95	
33 01 30 72-0037 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	26.54	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.38	
For >2,000, Deduct	-2.76	
For DR 26 Pipe Liner, Add	4.34	
For DR 35 Pipe Liner, Deduct	-2.17	
33 01 30 72-0038 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	36.05	
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 2,000, Deduct	-1.51	
For >2,000, Deduct	-3.01	
For DR 26 Pipe Liner, Add	6.50	
For DR 35 Pipe Liner, Deduct	-3.25	
For DR 41 Pipe Liner, Deduct	-6.50	
33 01 30 72-0039 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	49.19	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000, Deduct	-3.31	
For DR 26 Pipe Liner, Add	9.54	
For DR 35 Pipe Liner, Deduct	-4.77	
For DR 41 Pipe Liner, Deduct	-9.54	
33 01 30 72-0040 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	66.31	
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 2,000, Deduct	-1.88	
For >2,000, Deduct	-3.77	
For DR 35 Pipe Liner, Deduct	-6.72	
For DR 41 Pipe Liner, Deduct	-13.44	
33 01 30 72-0041 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	92.19	
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 2,000, Deduct	-2.12	
For >2,000, Deduct	-4.25	
For DR 41 Pipe Liner, Deduct	-7.80	
For DR 50 Pipe Liner, Deduct	-15.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0042 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	103.77	
<i>For >500 To 1,000, Deduct</i>	-1.15	
<i>For >1,000 To 2,000, Deduct</i>	-2.30	
<i>For >2,000, Deduct</i>	-4.60	
<i>For DR 50 Pipe Liner, Deduct</i>	-13.27	
<i>For DR 55 Pipe Liner, Deduct</i>	-22.11	
33 01 30 72-0043 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	125.98	
<i>For >500 To 1,000, Deduct</i>	-1.25	
<i>For >1,000 To 2,000, Deduct</i>	-2.51	
<i>For >2,000, Deduct</i>	-5.02	
<i>For DR 60 Pipe Liner, Deduct</i>	-16.39	
33 01 30 72-0044 Lining Pipe With Rib Loc <small>(33 01 30 72-0001)</small>		
33 01 30 72-0045 LF Lining 6" Pipe With Rib Loc	26.15	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.34	
<i>For >2,000 To 5,000, Deduct</i>	-2.08	
<i>For >5,000, Deduct</i>	-3.04	
33 01 30 72-0046 LF Lining 8" Pipe With Rib Loc	29.03	
<i>For >500 To 1,000, Deduct</i>	-0.76	
<i>For >1,000 To 2,000, Deduct</i>	-1.48	
<i>For >2,000 To 5,000, Deduct</i>	-2.29	
<i>For >5,000, Deduct</i>	-3.36	
33 01 30 72-0047 LF Lining 10" Pipe With Rib Loc	39.67	
<i>For >500 To 1,000, Deduct</i>	-0.99	
<i>For >1,000 To 2,000, Deduct</i>	-1.94	
<i>For >2,000 To 5,000, Deduct</i>	-2.98	
<i>For >5,000, Deduct</i>	-4.47	
33 01 30 72-0048 LF Lining 12" Pipe With Rib Loc	50.15	
<i>For >500 To 1,000, Deduct</i>	-1.22	
<i>For >1,000 To 2,000, Deduct</i>	-2.39	
<i>For >2,000 To 5,000, Deduct</i>	-3.67	
<i>For >5,000, Deduct</i>	-5.57	
33 01 30 72-0049 LF Lining 15" Pipe With Rib Loc	66.32	
<i>For >500 To 1,000, Deduct</i>	-1.58	
<i>For >1,000 To 2,000, Deduct</i>	-3.09	
<i>For >2,000 To 5,000, Deduct</i>	-4.73	
<i>For >5,000, Deduct</i>	-7.26	
33 01 30 72-0050 LF Lining 18" Pipe With Rib Loc	85.14	
<i>For >500 To 1,000, Deduct</i>	-1.99	
<i>For >1,000 To 2,000, Deduct</i>	-3.90	
<i>For >2,000 To 5,000, Deduct</i>	-5.96	
<i>For >5,000, Deduct</i>	-9.22	
33 01 30 72-0051 LF Lining 21" Pipe With Rib Loc	106.43	
<i>For >500 To 1,000, Deduct</i>	-2.44	
<i>For >1,000 To 2,000, Deduct</i>	-4.79	
<i>For >2,000 To 5,000, Deduct</i>	-7.31	
<i>For >5,000, Deduct</i>	-11.41	
33 01 30 72-0052 LF Lining 24" Pipe With Rib Loc	131.24	
<i>For >500 To 1,000, Deduct</i>	-2.96	
<i>For >1,000 To 2,000, Deduct</i>	-5.83	
<i>For >2,000 To 5,000, Deduct</i>	-8.88	
<i>For >5,000, Deduct</i>	-13.96	
33 01 30 72-0053 LF Lining 27" Pipe With Rib Loc	156.89	
<i>For >500 To 1,000, Deduct</i>	-3.51	
<i>For >1,000 To 2,000, Deduct</i>	-6.92	
<i>For >2,000 To 5,000, Deduct</i>	-10.52	
<i>For >5,000, Deduct</i>	-16.61	
33 01 30 72-0054 LF Lining 30" Pipe With Rib Loc	185.87	
<i>For >500 To 1,000, Deduct</i>	-4.13	
<i>For >1,000 To 2,000, Deduct</i>	-8.15	
<i>For >2,000 To 5,000, Deduct</i>	-12.38	
<i>For >5,000, Deduct</i>	-19.61	
33 01 30 72-0055 LF Lining 36" Pipe With Rib Loc	236.39	
<i>For >500 To 1,000, Deduct</i>	-5.19	
<i>For >1,000 To 2,000, Deduct</i>	-10.26	
<i>For >2,000 To 5,000, Deduct</i>	-15.56	
<i>For >5,000, Deduct</i>	-24.79	
33 01 30 72-0056 LF Lining 42" Pipe With Rib Loc	293.93	
<i>For >500 To 1,000, Deduct</i>	-6.40	
<i>For >1,000 To 2,000, Deduct</i>	-12.68	
<i>For >2,000 To 5,000, Deduct</i>	-19.21	
<i>For >5,000, Deduct</i>	-30.71	
33 01 30 72-0057 LF Lining 48" Pipe With Rib Loc	359.48	
<i>For >500 To 1,000, Deduct</i>	-7.80	
<i>For >1,000 To 2,000, Deduct</i>	-15.45	
<i>For >2,000 To 5,000, Deduct</i>	-23.41	
<i>For >5,000, Deduct</i>	-37.48	
33 01 30 72-0058 LF Lining 54" Pipe With Rib Loc	425.21	
<i>For >500 To 1,000, Deduct</i>	-9.24	
<i>For >1,000 To 2,000, Deduct</i>	-18.30	
<i>For >2,000 To 5,000, Deduct</i>	-27.72	
<i>For >5,000, Deduct</i>	-44.36	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0059 LF Lining 60" Pipe With Rib Loc.....	503.33	
For >500 To 1,000, Deduct	-11.07	
For >1,000 To 2,000, Deduct	-21.89	
For >2,000 To 5,000, Deduct	-33.21	
For >5,000, Deduct	-52.84	
33 01 30 72-0060 LF Lining 66" Pipe With Rib Loc.....	602.24	
For >500 To 1,000, Deduct	-13.62	
For >1,000 To 2,000, Deduct	-26.85	
For >2,000 To 5,000, Deduct	-40.86	
For >5,000, Deduct	-64.17	
33 01 30 72-0061 LF Lining 72" Pipe With Rib Loc.....	737.48	
For >500 To 1,000, Deduct	-17.51	
For >1,000 To 2,000, Deduct	-34.33	
For >2,000 To 5,000, Deduct	-52.53	
For >5,000, Deduct	-80.65	
33 01 30 72-0062 Laterals; Cutting, Grouting And Reinstatement (33 01 30 72-0001)		
33 01 30 72-0063 Trim Protruding Service Taps (33 01 30 72-0062)		
33 01 30 72-0064 EA Trim Protruding Service Tap, 4", Robotic.....	482.42	
33 01 30 72-0065 EA Trim Protruding Service Tap, 6", Robotic.....	530.66	
33 01 30 72-0066 EA Trim Protruding Service Tap, 8", Robotic.....	578.90	
33 01 30 72-0067 Lateral Reinstatement/Reconnection (33 01 30 72-0062)		
33 01 30 72-0068 EA Cut Liner For Laterals, 4" (Robotic)	356.99	
33 01 30 72-0069 EA Cut Liner For Laterals, 6" (Robotic)	385.94	
33 01 30 72-0070 EA Cut Liner For Laterals, 8" (Robotic)	434.17	
33 01 30 72-0071 Grout Lateral Service (33 01 30 72-0062)		
33 01 30 72-0072 Grout Lateral Service - Bladder (33 01 30 72-0071)		
33 01 30 72-0073 EA Grout 4" Lateral Service - Bladder	377.13	
33 01 30 72-0074 EA Grout 6" Lateral Service - Bladder	430.80	
33 01 30 72-0075 EA Grout 8" Lateral Service - Bladder	484.48	
33 01 30 72-0076 Grout Lateral Service - Robotic Trowel Application (33 01 30 72-0071)		
33 01 30 72-0077 EA Grout 4" To 8" Lateral Service - Robotic Trowel Application.....	382.19	
33 01 30 72-0078 Lateral T-Liner (33 01 30 72-0062)		
Note: As manufactured by LMK.		
33 01 30 72-0079 EA 4" Lateral T-Liner	479.57	
33 01 30 72-0080 EA 6" Lateral T-Liner	533.07	
33 01 30 72-0081 EA 8" Lateral T-Liner	615.84	
33 01 30 72-0082 Lining Lateral Pipe (33 01 30 72-0062)		
33 01 30 72-0083 Lining Lateral Pipe (33 01 30 72-0082)		
33 01 30 72-0084 LF 6mm Lining 4" To 6" Lateral Pipe.....	31.23	
For 7.5mm, Add	3.87	
For 9 mm, Add	7.82	
33 01 30 72-0085 Relining Underground Water Pipelines (33 01 30 72)		
Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 30 72-0086 Relining Underground Water Pipelines Set-Up And Reinsertion (33 01 30 72-0085)		
33 01 30 72-0087 EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	3,679.04	
33 01 30 72-0088 EA Move And Reset Up At Different Access/Location.....	1,471.61	
33 01 30 72-0089 Lining Pipe With Cement (33 01 30 72-0085)		
33 01 30 72-0090 LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement.....	42.90	
For 3/16" Thickness, Add	0.44	
For 1/4" Thickness, Add	0.88	
33 01 30 72-0091 LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	38.16	
For 3/16" Thickness, Add	0.44	
For 1/4" Thickness, Add	0.88	
33 01 30 72-0092 LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	31.80	
For 3/16" Thickness, Add	0.44	
For 1/4" Thickness, Add	0.88	
33 01 30 72-0093 LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	23.81	
For 3/16" Thickness, Add	0.44	
For 1/4" Thickness, Add	0.88	
33 01 30 72-0094 LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement.....	44.43	
For 3/16" Thickness, Add	0.66	
For 1/4" Thickness, Add	1.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0095 LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	39.51 0.66 1.32	
33 01 30 72-0096 LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	32.93 0.66 1.32	
33 01 30 72-0097 LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	24.84 0.66 1.32	
33 01 30 72-0098 LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	45.87 0.88 1.75	
33 01 30 72-0099 LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	40.85 0.88 1.75	
33 01 30 72-0100 LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	34.05 0.88 1.75	
33 01 30 72-0101 LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	25.84 0.88 1.75	
33 01 30 72-0102 LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	46.94 1.10 2.20	
33 01 30 72-0103 LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	41.83 1.10 2.20	
33 01 30 72-0104 LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	34.93 1.10 2.20	
33 01 30 72-0105 LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	26.88 1.10 2.20	
33 01 30 72-0106 LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	50.60 1.32 2.63	
33 01 30 72-0107 LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	45.17 1.32 2.63	
33 01 30 72-0108 LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	37.83 1.32 2.63	
33 01 30 72-0109 LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement <i>For 3/16" Thickness, Add</i> <i>For 1/4" Thickness, Add</i>	29.12 1.32 2.63	
33 01 30 72-0110 LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	53.82 1.46 2.93	
33 01 30 72-0111 LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	48.18 1.46 2.93	
33 01 30 72-0112 LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	40.54 1.46 2.93	
33 01 30 72-0113 LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	32.18 1.46 2.93	
33 01 30 72-0114 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	56.15 1.76 3.51	
33 01 30 72-0115 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	50.34 1.76 3.51	
33 01 30 72-0116 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	42.43 1.76 3.51	
33 01 30 72-0117 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	34.52 1.76 3.51	
33 01 30 72-0118 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	59.13 2.05 4.10	
33 01 30 72-0119 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	53.12 2.05 4.10	
33 01 30 72-0120 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	44.84 2.05 4.10	
33 01 30 72-0121 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	37.43 2.05 4.10	
33 01 30 72-0122 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	62.19 2.34 4.69	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0123 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	55.92	
For 1/4" Thickness, Add	2.34	
For 5/16" Thickness, Add	4.69	
33 01 30 72-0124 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	47.38	
For 1/4" Thickness, Add	2.34	
For 5/16" Thickness, Add	4.69	
33 01 30 72-0125 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement	40.49	
For 1/4" Thickness, Add	2.34	
For 5/16" Thickness, Add	4.69	
33 01 30 72-0126 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	66.04	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0127 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	59.42	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0128 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	50.36	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0129 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement	43.40	
For 1/4" Thickness, Add	2.93	
For 5/16" Thickness, Add	5.85	
33 01 30 72-0130 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	69.84	
For 1/4" Thickness, Add	3.51	
For 5/16" Thickness, Add	7.03	
33 01 30 72-0131 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	62.91	
For 1/4" Thickness, Add	3.51	
For 5/16" Thickness, Add	7.03	
33 01 30 72-0132 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	53.36	
For 1/4" Thickness, Add	3.51	
For 5/16" Thickness, Add	7.03	
33 01 30 72-0133 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement	46.32	
For 1/4" Thickness, Add	3.51	
For 5/16" Thickness, Add	7.03	
33 01 30 72-0134 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	83.25	
For 3/8" Thickness, Add	9.22	
For 7/16" Thickness, Add	13.83	
33 01 30 72-0135 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	75.71	
For 3/8" Thickness, Add	9.22	
For 7/16" Thickness, Add	13.83	
33 01 30 72-0136 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	65.32	
For 3/8" Thickness, Add	9.22	
For 7/16" Thickness, Add	13.83	
33 01 30 72-0137 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement	58.07	
For 3/8" Thickness, Add	9.22	
For 7/16" Thickness, Add	13.83	
33 01 30 72-0138 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	91.32	
For 3/8" Thickness, Add	10.54	
For 7/16" Thickness, Add	15.80	
33 01 30 72-0139 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	83.25	
For 3/8" Thickness, Add	10.54	
For 7/16" Thickness, Add	15.80	
33 01 30 72-0140 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	72.10	
For 3/8" Thickness, Add	10.54	
For 7/16" Thickness, Add	15.80	
33 01 30 72-0141 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement	64.69	
For 3/8" Thickness, Add	10.54	
For 7/16" Thickness, Add	15.80	
33 01 30 72-0142 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	95.27	
For 3/8" Thickness, Add	11.86	
For 7/16" Thickness, Add	17.78	
33 01 30 72-0143 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	87.03	
For 3/8" Thickness, Add	11.86	
For 7/16" Thickness, Add	17.78	
33 01 30 72-0144 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	75.60	
For 3/8" Thickness, Add	11.86	
For 7/16" Thickness, Add	17.78	
33 01 30 72-0145 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	68.49	
For 3/8" Thickness, Add	11.86	
For 7/16" Thickness, Add	17.78	
33 01 30 72-0146 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	99.22	
For 3/8" Thickness, Add	13.18	
For 7/16" Thickness, Add	19.76	
33 01 30 72-0147 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	90.83	
For 3/8" Thickness, Add	13.18	
For 7/16" Thickness, Add	19.76	
33 01 30 72-0148 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	79.18	
For 3/8" Thickness, Add	13.18	
For 7/16" Thickness, Add	19.76	
33 01 30 72-0149 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement	72.29	
For 3/8" Thickness, Add	13.18	
For 7/16" Thickness, Add	19.76	
33 01 30 72-0150 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	103.37	
For 3/8" Thickness, Add	14.49	
For 7/16" Thickness, Add	21.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0151 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	94.80	
<i>For 3/8" Thickness, Add</i>	14.49	
<i>For 7/16" Thickness, Add</i>	21.74	
33 01 30 72-0152 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	82.98	
<i>For 3/8" Thickness, Add</i>	14.49	
<i>For 7/16" Thickness, Add</i>	21.74	
33 01 30 72-0153 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement	76.59	
<i>For 3/8" Thickness, Add</i>	14.49	
<i>For 7/16" Thickness, Add</i>	21.74	
33 01 30 72-0154 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	107.81	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	
33 01 30 72-0155 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	99.10	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	
33 01 30 72-0156 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	86.99	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	
33 01 30 72-0157 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement	80.96	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	
 33 01 30 73 Rehabilitation Of Manholes And Sewer Structures (33 01 30)		
33 01 30 73-0001 Restoration And Rehabilitation Of Manholes (33 01 30 73)		
Note: Work is in confined spaces.		
33 01 30 73-0002 Inspection And Ventilation System Set-up (33 01 30 73-0001)		
33 01 30 73-0003 EA Inspect Manhole	128.19	
33 01 30 73-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	7,919.76	
Note: For internal inspection and repair of water mains.		
33 01 30 73-0005 EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	11,151.70	
Note: For internal inspection and repair of water mains		
 33 01 30 73-0006 Manhole Seals (33 01 30 73-0001)		
33 01 30 73-0007 Internal Manhole Chimney Seals (33 01 30 73-0006)		
Note: Cretex.		
33 01 30 73-0008 EA 20" Internal Manhole Chimney Seal	357.12	
33 01 30 73-0009 EA 22" Internal Manhole Chimney Seal	376.42	
33 01 30 73-0010 EA 24" Internal Manhole Chimney Seal	386.07	
33 01 30 73-0011 EA 26" Internal Manhole Chimney Seal	443.98	
33 01 30 73-0012 EA 28" Internal Manhole Chimney Seal	501.89	
33 01 30 73-0013 EA 30" Internal Manhole Chimney Seal	559.80	
33 01 30 73-0014 EA 36" Internal Manhole Chimney Seal	675.63	
 33 01 30 73-0015 External Manhole Encapsulation (33 01 30 73-0006)		
Note: Wrapidseal.		
33 01 30 73-0016 EA 24" External Manhole Encapsulation	521.19	
33 01 30 73-0017 EA 30" External Manhole Encapsulation	550.15	
33 01 30 73-0018 EA 36" External Manhole Encapsulation	588.76	
33 01 30 73-0019 EA 42" External Manhole Encapsulation	637.02	
33 01 30 73-0020 EA 48" External Manhole Encapsulation	704.57	
33 01 30 73-0021 EA 54" External Manhole Encapsulation	781.79	
33 01 30 73-0022 EA 60" External Manhole Encapsulation	878.31	
 33 01 30 73-0023 Manhole Restoration (33 01 30 73-0001)		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 73-0024 Cementitious Manhole Restoration, Interior (33 01 30 73-0023)		
33 01 30 73-0025 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior	104.32	
<i>For Each Additional 1/2" Thick Material, Add</i>	25.53	
<i>For 2 To 5 Manholes, Deduct</i>	-7.35	
<i>For 6 To 10 Manholes, Deduct</i>	-12.10	
<i>For >10 Manholes, Deduct</i>	-24.19	
33 01 30 73-0026 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	120.96	
<i>For Each Additional 1/2" Thick Material, Add</i>	29.70	
<i>For 2 To 5 Manholes, Deduct</i>	-8.52	
<i>For 6 To 10 Manholes, Deduct</i>	-14.02	
<i>For >10 Manholes, Deduct</i>	-28.04	
33 01 30 73-0027 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior	137.60	
<i>For Each Additional 1/2" Thick Material, Add</i>	33.89	
<i>For 2 To 5 Manholes, Deduct</i>	-9.69	
<i>For 6 To 10 Manholes, Deduct</i>	-15.94	
<i>For >10 Manholes, Deduct</i>	-31.88	
33 01 30 73-0028 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior	162.03	
<i>For Each Additional 1/2" Thick Material, Add</i>	41.48	
<i>For 2 To 5 Manholes, Deduct</i>	-11.36	
<i>For 6 To 10 Manholes, Deduct</i>	-18.67	
<i>For >10 Manholes, Deduct</i>	-37.35	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0029 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior	177.16	
For Each Additional 1/2" Thick Material, Add	47.90	
For 2 To 5 Manholes, Deduct	-12.34	
For 6 To 10 Manholes, Deduct	-20.26	
For >10 Manholes, Deduct	-40.52	
33 01 30 73-0030 Polyurethane Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
33 01 30 73-0031 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	254.32	
For 80 Mil Material, Add	32.49	
For 100 Mil Material, Add	64.97	
For 125 Mil Material, Add	101.79	
For 150 Mil Material, Add	138.60	
For 200 Mil Material, Add	202.11	
For 2 To 5 Manholes, Deduct	-17.78	
For 6 To 10 Manholes, Deduct	-29.19	
For >10 Manholes, Deduct	-58.39	
33 01 30 73-0032 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	308.00	
For 80 Mil Material, Add	38.76	
For 100 Mil Material, Add	77.53	
For 125 Mil Material, Add	121.34	
For 150 Mil Material, Add	165.16	
For 200 Mil Material, Add	240.42	
For 2 To 5 Manholes, Deduct	-21.58	
For 6 To 10 Manholes, Deduct	-35.47	
For >10 Manholes, Deduct	-70.94	
33 01 30 73-0033 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	339.09	
For 80 Mil Material, Add	43.32	
For 100 Mil Material, Add	86.63	
For 125 Mil Material, Add	135.72	
For 150 Mil Material, Add	184.80	
For 200 Mil Material, Add	269.48	
For 2 To 5 Manholes, Deduct	-23.70	
For 6 To 10 Manholes, Deduct	-38.92	
For >10 Manholes, Deduct	-77.85	
33 01 30 73-0034 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	423.92	
For 80 Mil Material, Add	54.16	
For 100 Mil Material, Add	108.33	
For 125 Mil Material, Add	169.70	
For 150 Mil Material, Add	231.08	
For 200 Mil Material, Add	336.98	
For 2 To 5 Manholes, Deduct	-29.63	
For 6 To 10 Manholes, Deduct	-48.66	
For >10 Manholes, Deduct	-97.32	
33 01 30 73-0035 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	508.69	
For 80 Mil Material, Add	64.99	
For 100 Mil Material, Add	129.98	
For 125 Mil Material, Add	203.64	
For 150 Mil Material, Add	277.29	
For 200 Mil Material, Add	404.35	
For 2 To 5 Manholes, Deduct	-35.55	
For 6 To 10 Manholes, Deduct	-58.39	
For >10 Manholes, Deduct	-116.78	
33 01 30 73-0036 Epoxy Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
33 01 30 73-0037 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	232.02	
For 80 Mil Material, Add	25.05	
For 100 Mil Material, Add	50.11	
For 125 Mil Material, Add	77.63	
For 150 Mil Material, Add	105.15	
For 200 Mil Material, Add	150.07	
For 2 To 5 Manholes, Deduct	-16.66	
For 6 To 10 Manholes, Deduct	-27.52	
For >10 Manholes, Deduct	-55.04	
33 01 30 73-0038 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	281.96	
For 80 Mil Material, Add	30.08	
For 100 Mil Material, Add	60.17	
For 125 Mil Material, Add	93.13	
For 150 Mil Material, Add	126.10	
For 200 Mil Material, Add	179.66	
For 2 To 5 Manholes, Deduct	-20.28	
For 6 To 10 Manholes, Deduct	-33.52	
For >10 Manholes, Deduct	-67.03	
33 01 30 73-0039 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	309.36	
For 80 Mil Material, Add	33.41	
For 100 Mil Material, Add	66.81	
For 125 Mil Material, Add	103.51	
For 150 Mil Material, Add	140.21	
For 200 Mil Material, Add	200.11	
For 2 To 5 Manholes, Deduct	-22.21	
For 6 To 10 Manholes, Deduct	-36.70	
For >10 Manholes, Deduct	-73.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0040 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	386.73	
<i>For 80 Mil Material, Add</i>	41.77	
<i>For 100 Mil Material, Add</i>	83.53	
<i>For 125 Mil Material, Add</i>	129.42	
<i>For 150 Mil Material, Add</i>	175.30	
<i>For 200 Mil Material, Add</i>	250.20	
<i>For 2 To 5 Manholes, Deduct</i>	-27.77	
<i>For 6 To 10 Manholes, Deduct</i>	-45.87	
<i>For >10 Manholes, Deduct</i>	-91.74	
33 01 30 73-0041 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	464.07	
<i>For 80 Mil Material, Add</i>	50.12	
<i>For 100 Mil Material, Add</i>	100.24	
<i>For 125 Mil Material, Add</i>	155.30	
<i>For 150 Mil Material, Add</i>	210.36	
<i>For 200 Mil Material, Add</i>	300.24	
<i>For 2 To 5 Manholes, Deduct</i>	-33.32	
<i>For 6 To 10 Manholes, Deduct</i>	-55.04	
<i>For >10 Manholes, Deduct</i>	-110.09	
33 01 30 73-0042 Polyvinyl Chloride (PVC) Lining Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
Note: Wound strip liners.		
33 01 30 73-0043 VLF 3' Diameter CIP Multiplex Liner For Existing Manhole	309.87	
<i>For 2 To 5 Manholes, Deduct</i>	-18.60	
<i>For 6 To 10 Manholes, Deduct</i>	-29.45	
<i>For >10 Manholes, Deduct</i>	-58.90	
33 01 30 73-0044 VLF 3-1/2' Diameter CIP Multiplex Liner For Existing Manhole	379.40	
<i>For 2 To 5 Manholes, Deduct</i>	-22.76	
<i>For 6 To 10 Manholes, Deduct</i>	-36.04	
<i>For >10 Manholes, Deduct</i>	-72.09	
33 01 30 73-0045 VLF 4' Diameter CIP Multiplex Liner For Existing Manhole	443.36	
<i>For 2 To 5 Manholes, Deduct</i>	-26.31	
<i>For 6 To 10 Manholes, Deduct</i>	-41.53	
<i>For >10 Manholes, Deduct</i>	-83.06	
33 01 30 73-0046 VLF 5' Diameter CIP Multiplex Liner For Existing Manhole	555.81	
<i>For 2 To 5 Manholes, Deduct</i>	-32.96	
<i>For 6 To 10 Manholes, Deduct</i>	-52.03	
<i>For >10 Manholes, Deduct</i>	-104.07	
33 01 30 73-0047 VLF 6' Diameter CIP Multiplex Liner For Existing Manhole	668.27	
<i>For 2 To 5 Manholes, Deduct</i>	-39.62	
<i>For 6 To 10 Manholes, Deduct</i>	-62.54	
<i>For >10 Manholes, Deduct</i>	-125.07	
33 01 30 73-0048 Manhole Crack Repair <small>(33 01 30 73-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 73-0049 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching	11.18	
33 01 30 73-0050 Manhole Joint Restoration <small>(33 01 30 73-0001)</small>		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 73-0051 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,316.45	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	182.94	
33 01 30 73-0052 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,536.67	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	200.93	
33 01 30 73-0053 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,755.26	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	218.93	
33 01 30 73-0054 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,059.97	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	227.92	
33 01 30 73-0055 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,363.86	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>	236.92	
33 01 30 73-0056 Inverts <small>(33 01 30 73-0001)</small>		
33 01 30 73-0057 EA Single Channel Concrete Invert Restoration	318.40	
33 01 30 73-0058 EA Triple Channel Concrete Invert Restoration	589.04	
33 01 30 73-0059 EA Single Channel Brick Invert Restoration	480.39	
33 01 30 73-0060 EA Triple Channel Brick Invert Restoration	793.21	
33 01 30 73-0061 Step Installation In Existing Manholes <small>(33 01 30 73-0001)</small>		
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 73-0062 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps	91.82	16.96
33 01 30 73-0063 EA Drill And Grout Galvanized Steel Manhole Step	74.99	16.96
33 01 30 73-0064 EA Bolt On Galvanized Steel Manhole Step	85.58	16.96
33 01 30 73-0065 EA Drill And Grout Aluminum Manhole Step	73.17	16.96
33 01 30 73-0066 EA Drill And Insert Polypropylene Manhole Step	46.09	13.56

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 73-0067	Manhole Penetration Sealing <small>(33 01 30 73-0001)</small>		
	Note: At new pipe connection to manhole.		
33 01 30 73-0068	EA 6" To 12" Opening, Manhole Penetration Sealing.....		302.24
33 01 30 73-0069	EA >12" To 22" Opening, Manhole Penetration Sealing.....		464.26
33 01 30 73-0070	EA >22" To 36" Opening, Manhole Penetration Sealing.....		633.51

33 05 Common Work Results For Utilities (33)**33 05 13 Manholes And Structures** (33 05)**33 05 13 13 Manhole Grade Adjustment** (33 05 13)

33 05 13 13-0001	Up To 12" Rise, Manhole Risers <small>(33 05 13 13)</small>		
	Note: Includes valve boxes.		
33 05 13 13-0002	Up To 26" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0003	EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....		344.80
	Note: For manholes up to 26" in diameter.		
33 05 13 13-0004	EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....		391.28
	Note: For manholes up to 26" in diameter.		
33 05 13 13-0005	EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....		433.01
	Note: For manholes up to 26" in diameter.		
33 05 13 13-0006	EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....		480.49
	Note: For manholes up to 26" in diameter.		
33 05 13 13-0007	EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....		518.09
	Note: For manholes up to 26" in diameter.		

33 05 13 13-0008 >26" To 32-1/2" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers (33 05 13 13-0001)

33 05 13 13-0009	EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....		415.22
	Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0010	EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....		454.02
	Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0011	EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....		503.59
	Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0012	EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....		551.07
	Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0013	EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....		596.48
	Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		

33 05 13 13-0014 Up To 36" Diameter, >6" To 12" Rise Solid Manhole Risers (33 05 13 13-0001)

33 05 13 13-0015	EA 6-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers.....		576.86
33 05 13 13-0016	EA 7" Rise, Up To 36" Diameter, Solid Manhole Risers.....		629.32
33 05 13 13-0017	EA 7-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers.....		682.42
33 05 13 13-0018	EA 8" Rise, Up To 36" Diameter, Solid Manhole Risers.....		723.23
33 05 13 13-0019	EA 9" Rise, Up To 36" Diameter, Solid Manhole Risers.....		788.20
33 05 13 13-0020	EA 10" Rise, Up To 36" Diameter, Solid Manhole Risers.....		846.28
33 05 13 13-0021	EA 11" Rise, Up To 36" Diameter, Solid Manhole Risers.....		902.59
33 05 13 13-0022	EA 12" Rise, Up To 36" Diameter, Solid Manhole Risers.....		959.84

33 05 13 13-0023 >12" Rise, Solid Manhole Risers (33 05 13 13)

Note: Includes valve boxes.

33 05 13 13-0024 Precast Concrete Manhole Riser (33 05 13 13-0023)

33 05 13 13-0025	VLF Up To 26" Diameter Precast Concrete Manhole Riser.....		77.93
33 05 13 13-0026	VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....		93.20
33 05 13 13-0027	VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....		106.26
33 05 13 13-0028	VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....		210.31
33 05 13 13-0029	VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....		309.20

33 05 16 Utility Structures (33 05)**33 05 16 13 Precast Concrete Directional Structures** (33 05 16)

33 05 16 13-0001	Underground Utility Vaults And Structures <small>(33 05 16 13)</small>		
	See CSI section 33 39 13 00-0001 for manholes, 33 39 13 00-0129 for frames and covers.		
33 05 16 13-0002	Precast Concrete Underground Utility Vault <small>(33 05 16 13-0001)</small>		
	Note: Sizes given are for inside dimensions.		
33 05 16 13-0003	6' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0004	EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....		2,506.74
	Note: 6" thick walls and 8" thick top.		
33 05 16 13-0005	EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....		3,267.55
	Note: 6" thick walls and 8" thick top.		
33 05 16 13-0006	EA 5' x 10' x 6' Precast Concrete Underground Utility Vault.....		5,390.68
	Note: 6" thick walls and 8" thick top.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,224.43	
33 05 16 13-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,175.77	
33 05 16 13-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,083.19	
33 05 16 13-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,991.40	
33 05 16 13-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,656.42	
33 05 16 13-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,656.42	
33 05 16 13-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,899.82	
33 05 16 13-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,138.82	
33 05 16 13-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,193.68	
33 05 16 13-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,282.75	
33 05 16 13-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,573.17	
33 05 16 13-0018 7' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,759.65	
33 05 16 13-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,583.30	
33 05 16 13-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,406.94	
33 05 16 13-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,863.94	
33 05 16 13-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,761.28	
33 05 16 13-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,554.35	
33 05 16 13-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,525.42	
33 05 16 13-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,496.47	
33 05 16 13-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,413.60	
33 05 16 13-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,825.33	
33 05 16 13-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,643.85	
33 05 16 13-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,761.57	
33 05 16 13-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,124.54	
33 05 16 13-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,497.92	
33 05 16 13-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,292.32	
33 05 16 13-0034 8' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,011.78	
33 05 16 13-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,899.05	
33 05 16 13-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,337.17	
33 05 16 13-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,297.36	
33 05 16 13-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,932.95	
33 05 16 13-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,966.86	
33 05 16 13-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,000.77	
33 05 16 13-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,170.77	
33 05 16 13-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,750.91	
33 05 16 13-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,148.14	
33 05 16 13-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,329.44	
33 05 16 13-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,965.50	
33 05 16 13-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,423.48	

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,133.86	
33 05 16 13-0049 10' High Precast Concrete Underground Utility Vault (33 05 16 13-0002)		
33 05 16 13-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,311.55	
33 05 16 13-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,408.28	
33 05 16 13-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,974.79	
33 05 16 13-0053 12' High Precast Concrete Underground Utility Vault (33 05 16 13-0002)		
33 05 16 13-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,690.14	
33 05 16 13-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,850.50	
33 05 16 13-0056 Meter Pit (33 05 16 13-0001)		
33 05 16 13-0057 Precast Concrete Meter Pit (33 05 16 13-0056)		
33 05 16 13-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,775.67	
33 05 16 13-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,366.81	
33 05 16 13-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	2,912.49	
33 05 16 13-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	3,574.38	
33 05 16 13-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	4,822.86	
33 05 16 13-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	2,654.45	
33 05 16 13-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	3,574.38	
33 05 16 13-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	4,548.44	
33 05 16 13-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	5,676.60	
33 05 16 13-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	7,826.15	
33 05 16 13-0068 Handhole Or Pull Box Enclosures (33 05 16 13-0001)		
33 05 16 13-0069 Polymer Concrete Handhole Enclosures (33 05 16 13-0068)		
33 05 16 13-0070 Polymer Concrete Handhole Enclosures (33 05 16 13-0069)		
33 05 16 13-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0070)		
33 05 16 13-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0071)		
33 05 16 13-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	184.91	17.95
33 05 16 13-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	170.97	39.89
33 05 16 13-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	260.54	59.83
33 05 16 13-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	298.34	59.83
33 05 16 13-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	285.85	59.83
33 05 16 13-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	340.37	59.83
33 05 16 13-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	332.14	59.83
33 05 16 13-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	442.54	59.83
33 05 16 13-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	626.15	79.77
33 05 16 13-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	863.74	79.77
33 05 16 13-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	585.73	109.68
33 05 16 13-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	660.13	109.68
33 05 16 13-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,047.19	109.68
33 05 16 13-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	626.65	119.65
33 05 16 13-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	870.37	119.65
33 05 16 13-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,069.67	119.65
33 05 16 13-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,541.06	119.65
33 05 16 13-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	904.18	180.27
33 05 16 13-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,270.99	180.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0092				Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0071)</small>		
33 05 16 13-0093	EA			12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	234.30	17.95
33 05 16 13-0094	EA			13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	319.35	59.83
33 05 16 13-0095	EA			17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	380.20	59.83
33 05 16 13-0096	EA			13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	352.97	59.83
33 05 16 13-0097	EA			13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	399.57	59.83
33 05 16 13-0098	EA			17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	411.79	59.83
33 05 16 13-0099	EA			17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	522.87	59.83
33 05 16 13-0100	EA			24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	710.80	109.68
33 05 16 13-0101	EA			24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	785.20	109.68
33 05 16 13-0102	EA			24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,172.27	109.68
33 05 16 13-0103	EA			30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,050.34	180.27
33 05 16 13-0104	EA			30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,419.94	180.27
33 05 16 13-0105				Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0070)</small>		
33 05 16 13-0106				Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0107	EA			5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	297.85	17.95
33 05 16 13-0108	EA			10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	253.15	17.95
33 05 16 13-0109	EA			13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	227.55	59.83
33 05 16 13-0110	EA			17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	253.92	59.83
33 05 16 13-0111	EA			6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	76.59	17.95
33 05 16 13-0112	EA			12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	113.97	17.95
33 05 16 13-0113	EA			8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	178.84	17.95
33 05 16 13-0114	EA			8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	186.70	17.95
33 05 16 13-0115	EA			11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	168.23	39.89
33 05 16 13-0116	EA			11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	180.27	39.89
33 05 16 13-0117	EA			8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	112.36	17.95
33 05 16 13-0118	EA			8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	127.07	17.95
33 05 16 13-0119	EA			11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	179.02	39.89
33 05 16 13-0120	EA			11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	199.27	39.89
33 05 16 13-0121	EA			11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	186.16	39.89
33 05 16 13-0122	EA			13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	228.78	59.83
33 05 16 13-0123	EA			13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	248.63	59.83
33 05 16 13-0124	EA			17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	263.40	59.83
33 05 16 13-0125	EA			17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	285.65	59.83
33 05 16 13-0126	EA			17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	330.00	59.83
33 05 16 13-0127	EA			17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	356.91	59.83
33 05 16 13-0128	EA			17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	386.36	59.83
33 05 16 13-0129	EA			17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	404.87	59.83
33 05 16 13-0130	EA			24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	486.58	79.77
33 05 16 13-0131	EA			24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	505.12	109.68
33 05 16 13-0132	EA			24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	634.07	109.68
33 05 16 13-0133	EA			24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	753.14	109.68
33 05 16 13-0134	EA			24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	828.33	109.68
33 05 16 13-0135	EA			24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	903.13	109.68

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,047.28	180.27
33 05 16 13-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	783.68	180.27
33 05 16 13-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	879.18	180.27
33 05 16 13-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,061.80	180.27
33 05 16 13-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,059.93	180.27
33 05 16 13-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,128.10	180.27
33 05 16 13-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,259.19	180.27
33 05 16 13-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,170.04	193.15
33 05 16 13-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,262.60	193.15
33 05 16 13-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,380.77	193.15
33 05 16 13-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,428.05	193.15
33 05 16 13-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,444.49	193.15
33 05 16 13-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,624.54	193.15
33 05 16 13-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,274.87	193.15
33 05 16 13-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,654.26	193.15
33 05 16 13-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,857.07	206.02
33 05 16 13-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,269.86	206.02
33 05 16 13-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,885.05	206.02

33 05 16 13-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures

(33 05 16 13-0105)

33 05 16 13-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	296.03	59.83
33 05 16 13-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	335.15	59.83
33 05 16 13-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	123.48	17.95
33 05 16 13-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	174.57	17.95
33 05 16 13-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	231.04	17.95
33 05 16 13-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	238.90	17.95
33 05 16 13-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	219.64	39.89
33 05 16 13-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	228.03	39.89
33 05 16 13-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	239.23	39.89
33 05 16 13-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	163.50	17.95
33 05 16 13-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	191.62	17.95
33 05 16 13-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	238.96	39.89
33 05 16 13-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	259.21	39.89
33 05 16 13-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	246.74	39.89
33 05 16 13-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	295.65	59.83
33 05 16 13-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	315.75	59.83
33 05 16 13-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	343.20	59.83
33 05 16 13-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	365.30	59.83
33 05 16 13-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	409.53	59.83
33 05 16 13-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.56	59.83
33 05 16 13-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	465.87	59.83
33 05 16 13-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	484.51	59.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	596.61	79.77
33 05 16 13-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	630.21	109.68
33 05 16 13-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	759.01	109.68
33 05 16 13-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	877.94	109.68
33 05 16 13-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	953.02	109.68
33 05 16 13-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,028.06	109.68
33 05 16 13-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	928.46	180.27
33 05 16 13-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,024.11	180.27
33 05 16 13-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,206.58	180.27
33 05 16 13-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	274.16	59.83
33 05 16 13-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	314.37	59.83
33 05 16 13-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	93.59	17.95
33 05 16 13-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	148.33	17.95
33 05 16 13-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	209.20	17.95
33 05 16 13-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	217.20	17.95
33 05 16 13-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	205.26	39.89
33 05 16 13-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	228.57	39.89
33 05 16 13-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	130.90	17.95
33 05 16 13-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	216.72	39.89
33 05 16 13-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	245.75	39.89
33 05 16 13-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	224.26	39.89
33 05 16 13-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	292.57	59.83
33 05 16 13-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	332.26	59.83
33 05 16 13-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	345.46	59.83
33 05 16 13-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.89	59.83
33 05 16 13-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	405.80	59.83
33 05 16 13-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	433.10	59.83
33 05 16 13-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	481.97	59.83
33 05 16 13-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.79	59.83
33 05 16 13-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	605.13	79.77
33 05 16 13-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	641.26	109.68
33 05 16 13-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	783.50	109.68
33 05 16 13-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	924.18	109.68
33 05 16 13-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,017.61	109.68
33 05 16 13-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,111.05	109.68
33 05 16 13-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,221.37	180.27
33 05 16 13-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	957.78	180.27
33 05 16 13-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,060.73	180.27
33 05 16 13-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,243.22	180.27
33 05 16 13-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,323.71	180.27
33 05 16 13-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,348.92	180.27
33 05 16 13-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,593.45	180.27
33 05 16 13-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,490.04	193.15

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,537.86	193.15
33 05 16 13-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,673.53	193.15
33 05 16 13-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,776.21	193.15
33 05 16 13-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,638.96	193.15
33 05 16 13-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,006.18	193.15
33 05 16 13-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,753.29	193.15
33 05 16 13-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,918.06	193.15
33 05 16 13-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,310.29	206.02
33 05 16 13-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,723.25	206.02
33 05 16 13-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,639.68	206.02
33 05 16 13-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	342.62	59.83
33 05 16 13-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	395.75	59.83
33 05 16 13-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	140.11	17.95
33 05 16 13-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	208.81	17.95
33 05 16 13-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	261.29	17.95
33 05 16 13-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	269.40	17.95
33 05 16 13-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	265.21	39.89
33 05 16 13-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.37	39.89
33 05 16 13-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	197.37	17.95
33 05 16 13-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	276.39	39.89
33 05 16 13-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	305.42	39.89
33 05 16 13-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.73	39.89
33 05 16 13-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.71	59.83
33 05 16 13-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	399.40	59.83
33 05 16 13-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.10	59.83
33 05 16 13-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	456.54	59.83
33 05 16 13-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	485.45	59.83
33 05 16 13-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	512.75	59.83
33 05 16 13-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	561.64	59.83
33 05 16 13-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	568.43	59.83
33 05 16 13-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	715.01	79.77
33 05 16 13-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	766.34	109.68
33 05 16 13-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	908.45	109.68
33 05 16 13-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,048.97	109.68
33 05 16 13-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,142.48	109.68
33 05 16 13-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,235.98	109.68
33 05 16 13-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,102.69	180.27
33 05 16 13-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,205.78	180.27
33 05 16 13-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,388.14	180.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>						
			EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	290.85	59.83
			EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	196.20	39.89
			EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	218.58	39.89
			EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	261.80	59.83
			EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	203.53	39.89
			EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	224.97	39.89
33 05 16 13-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 16 13-0069)</small>						
			EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	220.12	59.83
			EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	243.45	59.83
			EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	284.67	79.77
			EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	307.58	79.77
			EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	371.56	109.68
			EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	647.81	180.27
			EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	622.77	180.27
			EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	628.24	180.27
			EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	824.07	193.15
			EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,260.93	206.02
			EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,624.68	206.02
			EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	342.53	59.83
			EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	356.78	59.83
			EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	389.09	79.77
			EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	412.24	79.77
			EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	486.08	109.68
			EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	784.61	180.27
			EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	272.86	59.83
			EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	300.97	59.83
			EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	411.89	109.68
			EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	797.25	193.15
33 05 16 13-0290 Polymer Concrete Handhole Enclosure Covers <small>(33 05 16 13-0069)</small>						
33 05 16 13-0291 Polymer Concrete Handhole Enclosure Covers <small>(33 05 16 13-0290)</small>						
			EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	72.13	7.98
			EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	73.03	7.98
			EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	67.89	7.98
			EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	73.21	7.98
			EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	73.90	7.98
			EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	84.36	7.98
			EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	97.30	7.98
			EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	627.54	23.18
			EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	550.39	23.18
			EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	819.12	23.18
			EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	828.28	23.18
			EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	937.02	23.18
			EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,020.08	23.18
			EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,633.30	23.18
			EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	62.20	7.98
			EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	87.88	7.98
			EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	89.07	7.98
			EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	111.33	7.98
			EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	84.69	7.98
			EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	131.17	7.98
			EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	103.61	7.98
			EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	209.60	7.98
			EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	185.44	11.96
			EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	231.32	11.96
			EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	297.61	13.96

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 16 13-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	417.25	18.03
33 05 16 13-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	434.33	34.34
33 05 16 13-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	112.66	7.98
33 05 16 13-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	159.41	7.98
33 05 16 13-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	181.00	7.98
33 05 16 13-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	299.06	7.98
33 05 16 13-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	248.51	11.96
33 05 16 13-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	417.74	13.96
33 05 16 13-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	547.38	18.03
33 05 16 13-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	738.15	23.18
33 05 16 13-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	657.32	23.18
33 05 16 13-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	914.37	23.18
33 05 16 13-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,187.76	23.18
33 05 16 13-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,137.89	23.18
33 05 16 13-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,722.33	23.18
33 05 16 13-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,655.14	23.18
33 05 16 13-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	147.30	7.98
33 05 16 13-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	160.81	7.98
33 05 16 13-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	210.83	7.98
33 05 16 13-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	239.86	7.98
33 05 16 13-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	412.51	7.98
33 05 16 13-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	301.97	11.96
33 05 16 13-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	411.27	11.96
33 05 16 13-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	636.01	13.96
33 05 16 13-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	728.52	18.03
33 05 16 13-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	758.66	34.34
33 05 16 13-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	877.33	23.18
33 05 16 13-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,221.02	23.18
33 05 16 13-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,704.44	23.18
33 05 16 13-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,522.00	23.18
33 05 16 13-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,515.98	23.18
33 05 16 13-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,878.25	23.18

33 05 16 13-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 16 13-0290)

33 05 16 13-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	82.42	7.98
33 05 16 13-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	86.94	7.98
33 05 16 13-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	88.42	7.98
33 05 16 13-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	88.98	7.98
33 05 16 13-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	102.24	7.98
33 05 16 13-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	66.37	7.98
33 05 16 13-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	92.15	7.98
33 05 16 13-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	92.98	7.98
33 05 16 13-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.73	7.98
33 05 16 13-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	89.49	7.98
33 05 16 13-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	108.67	7.98
33 05 16 13-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	135.84	7.98
33 05 16 13-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	188.57	11.96
33 05 16 13-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	236.13	11.96
33 05 16 13-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	439.26	34.34
33 05 16 13-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	55.76	7.98
33 05 16 13-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	85.52	7.98
33 05 16 13-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	94.80	7.98
33 05 16 13-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	90.68	7.98
33 05 16 13-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	75.24	7.98
33 05 16 13-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	116.92	7.98
33 05 16 13-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	126.56	7.98
33 05 16 13-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	163.95	7.98
33 05 16 13-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	185.92	7.98
33 05 16 13-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	252.91	11.96
33 05 16 13-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	314.70	11.96
33 05 16 13-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	575.78	34.34

33 05 16 13-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 16 13-0290)

33 05 16 13-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	45.52	7.98
33 05 16 13-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	53.53	7.98
33 05 16 13-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	64.31	7.98
33 05 16 13-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	69.10	7.98
33 05 16 13-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	68.98	7.98
33 05 16 13-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	81.26	7.98
33 05 16 13-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	93.32	7.98
33 05 16 13-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	223.46	11.96
33 05 16 13-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	416.36	34.34
33 05 16 13-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	620.80	23.18
33 05 16 13-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	542.77	23.18
33 05 16 13-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	806.59	23.18
33 05 16 13-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	778.70	23.18
33 05 16 13-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	929.75	23.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	993.20	23.18
33 05 16 13-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,581.65	23.18
33 05 16 13-0394 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	59.92	7.98
33 05 16 13-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	58.59	7.98
33 05 16 13-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	85.00	7.98
33 05 16 13-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	93.09	7.98
33 05 16 13-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	104.94	7.98
33 05 16 13-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	80.56	7.98
33 05 16 13-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	89.49	7.98
33 05 16 13-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	125.58	7.98
33 05 16 13-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	181.82	11.96
33 05 16 13-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	225.95	11.96
33 05 16 13-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	223.33	11.96
33 05 16 13-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	400.86	18.03
33 05 16 13-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	416.36	20.60
 33 05 16 13-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)		
33 05 16 13-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	645.93	23.18
33 05 16 13-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	930.68	23.18
33 05 16 13-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	542.47	34.34
33 05 16 13-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	716.30	34.34
33 05 16 13-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	765.50	23.18
33 05 16 13-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,039.54	23.18
 33 05 16 13-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)		
33 05 16 13-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	253.00	11.96
33 05 16 13-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	468.54	18.03
33 05 16 13-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	490.68	34.34
33 05 16 13-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	43.29	7.98
33 05 16 13-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	69.52	7.98
33 05 16 13-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	76.16	7.98
33 05 16 13-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	80.55	7.98
33 05 16 13-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	71.10	7.98
33 05 16 13-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	122.65	7.98
33 05 16 13-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	337.27	11.96
33 05 16 13-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	620.52	18.03
33 05 16 13-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	651.04	34.34
 33 05 16 13-0427 Precast Concrete Handholes With Steel Cover (33 05 16 13-0068)		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 16 13-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	569.61	171.60
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 18.00		
33 05 16 13-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	946.69	257.41
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 85.81		
33 05 16 13-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	1,158.37	343.20
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 145.01		
33 05 16 13-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	1,198.66	343.20
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 180.22		
33 05 16 13-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	1,418.00	429.01
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 214.40		
33 05 16 13-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	1,485.15	429.01
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 242.76		
33 05 16 13-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	1,722.61	514.81
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 281.30		
33 05 16 13-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	1,981.16	600.61
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 413.26		
33 05 16 13-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	1,921.25	514.81
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 470.62		
33 05 16 13-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	1,938.34	514.81
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 300.42		
33 05 16 13-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	460.27	171.60
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 16 13-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	539.16	193.05
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 16 13-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	654.02	214.51
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 05 23 Trenchless Utility Installation (33 05)**33 05 23 13 Utility Horizontal Directional Drilling (33 05 23)****33 05 23 13-0001 Horizontal Augering (33 05 23 13)**

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 23 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	19.67
33 05 23 13-0003	LF	3" Diameter Horizontal Hand Augering	23.73
33 05 23 13-0004	LF	4" Diameter Horizontal Hand Augering	32.56
33 05 23 13-0005	LF	6" Diameter Horizontal Hand Augering	42.05
33 05 23 13-0006	LF	8" Diameter Horizontal Augering.....	70.90
33 05 23 13-0007	LF	10" Diameter Horizontal Augering.....	103.44
33 05 23 13-0008	LF	12" Diameter Horizontal Augering.....	124.29
33 05 23 13-0009	LF	16" Diameter Horizontal Augering.....	148.48
33 05 23 13-0010	LF	20" Diameter Horizontal Augering.....	256.92
33 05 23 13-0011	LF	24" Diameter Horizontal Augering.....	320.28
33 05 23 13-0012	LF	30" Diameter Horizontal Augering.....	395.04
33 05 23 13-0013	LF	36" Diameter Horizontal Augering.....	451.34
33 05 23 13-0014	LF	42" Diameter Horizontal Augering.....	575.76
33 05 23 13-0015	LF	48" Diameter Horizontal Augering.....	620.39
33 05 23 13-0016	LF	54" Diameter Horizontal Augering.....	674.70
33 05 23 13-0017	LF	60" Diameter Horizontal Augering.....	707.36
33 05 23 13-0018	EA	8" To 36" Horizontal Augering Minimum Set-up Charge	1,476.79
		Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 23 13-0019	EA	>36" Horizontal Augering Minimum Set-up Charge	2,612.29
		Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 23 13-0020 Horizontal Directional Boring (33 05 23 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 23 13-0021	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	9.82
33 05 23 13-0022	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	14.74
33 05 23 13-0023	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	20.48
33 05 23 13-0024	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	25.39
33 05 23 13-0025	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	30.30
33 05 23 13-0026	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	35.22
33 05 23 13-0027	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	40.96
33 05 23 13-0028	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	50.05
33 05 23 13-0029	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	54.22
33 05 23 13-0030	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	58.39
33 05 23 13-0031	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	66.73
33 05 23 13-0032	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	83.07
33 05 23 13-0033	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	92.30
33 05 23 13-0034	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	101.53
33 05 23 13-0035	EA	Boring Minimum Charge	2,215.18
		Note: For projects where the total boring charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 23 13-0036 Casing Pipe (33 05 23 13)

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 23 13-0037 Steel Pipe (33 05 23 13-0036)

33 05 23 13-0038	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine	7.58
		Note: Includes pipe welding.	
33 05 23 13-0039	LF	2" Steel Pipe Pull In Place By Boring Machine	8.06
		Note: Includes pipe welding.	
33 05 23 13-0040	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine	8.65
		Note: Includes pipe welding.	
33 05 23 13-0041	LF	3" Steel Pipe Pull In Place By Boring Machine	9.25
		Note: Includes pipe welding.	
33 05 23 13-0042	LF	4" Steel Pipe Pull In Place By Boring Machine	11.44
		Note: Includes pipe welding.	
33 05 23 13-0043	LF	5" Steel Pipe Pull In Place By Boring Machine	12.79
		Note: Includes pipe welding.	
33 05 23 13-0044	LF	6" Steel Pipe Pull In Place By Boring Machine	14.15
		Note: Includes pipe welding.	

33 05 23 13-0045 Polyethylene Pipe (33 05 23 13-0036)

33 05 23 13-0046	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine	3.22
		Note: Includes pipe welding.	
33 05 23 13-0047	LF	1" Polyethylene Pipe Pull In Place By Boring Machine	3.56
		Note: Includes pipe welding.	
33 05 23 13-0048	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	3.87
		Note: Includes pipe welding.	
33 05 23 13-0049	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.12
		Note: Includes pipe welding.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 23 13-0050 LF 2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.43	
33 05 23 13-0051 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.70	
33 05 23 13-0052 LF 3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.98	
33 05 23 13-0053 LF 4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.91	
33 05 23 13-0054 LF 5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.47	
33 05 23 13-0055 LF 6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.03	
33 05 23 13-0056 LF 8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.93	
33 05 23 13-0057 LF 10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.81	

33 05 23 16 Utility Pipe Jacking (33 05 23)

33 05 23 16-0001 Horizontal Jacking (33 05 23 16)

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 23 16-0002 LF Up To 2" Diameter Horizontal Jacking	38.04	
33 05 23 16-0003 LF 3" Diameter Horizontal Jacking.....	45.75	
33 05 23 16-0004 LF 4" Diameter Horizontal Jacking.....	62.26	
33 05 23 16-0005 LF 6" Diameter Horizontal Jacking.....	80.44	
33 05 23 16-0006 LF 8" Diameter Horizontal Jacking.....	109.59	
33 05 23 16-0007 LF 10" Diameter Horizontal Jacking.....	160.30	
33 05 23 16-0008 LF 12" Diameter Horizontal Jacking.....	192.81	
33 05 23 16-0009 LF 16" Diameter Horizontal Jacking.....	230.27	
33 05 23 16-0010 LF 20" Diameter Horizontal Jacking.....	378.15	
33 05 23 16-0011 LF 24" Diameter Horizontal Jacking.....	524.73	
33 05 23 16-0012 LF 30" Diameter Horizontal Jacking.....	625.13	
33 05 23 16-0013 LF 36" Diameter Horizontal Jacking.....	709.64	
33 05 23 16-0014 LF 42" Diameter Horizontal Jacking.....	763.99	
33 05 23 16-0015 LF 48" Diameter Horizontal Jacking.....	826.26	
33 05 23 16-0016 LF 54" Diameter Horizontal Jacking.....	889.80	
33 05 23 16-0017 EA Up To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,741.52	
33 05 23 16-0018 EA >36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,265.36	

33 10 Water Utilities (33)

33 11 Water Utility Distribution Piping (33 10)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 11 13 Public Water Utility Distribution Piping (33 11)

33 11 13 13 Ductile Iron Public Water Utility Distribution Piping (33 11 13)

33 11 13 13-0001 Ductile Iron Piping (33 11 13 13)

33 11 13 13-0002 Mechanical Joint Ductile Iron Piping (33 11 13 13-0001)

Note: Gaskets, glands, strapping and bolts for mechanical joint pipe and fittings are furnished (included with fitting or pipe) in sufficient quantities to provide for each socket opening on pipe and fittings. Accessories conform to applicable requirements of ANSI/AWWA C111/A21.11. Cement lining and bituminous coating shall conform to ANSI A21.4.

33 11 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 11 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

33 11 13 13-0004 LF 4" Mechanical Joint Ductile Iron Pipe.....	32.24	9.54
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.45	
For Cement Lining, Add	1.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.33	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.61	
For Class 51, Add	1.65	
For Class 52, Add	3.56	
For Class 53, Add	5.39	
For Class 54, Add	7.24	
For Class 55, Add	9.04	
For Class 56, Add	11.29	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0005 LF 6" Mechanical Joint Ductile Iron Pipe.....	32.98	9.54
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.96	
For Cement Lining, Add	1.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.39	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.65	
For Class 51, Add	1.71	
For Class 52, Add	3.69	
For Class 53, Add	5.60	
For Class 54, Add	7.51	
For Class 55, Add	9.37	
For Class 56, Add	11.71	
33 11 13 13-0006 LF 8" Mechanical Joint Ductile Iron Pipe.....	39.46	10.41
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.58	
For Cement Lining, Add	2.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.78	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.97	
For Class 51, Add	2.15	
For Class 52, Add	4.65	
For Class 53, Add	7.05	
For Class 54, Add	9.48	
For Class 55, Add	11.82	
For Class 56, Add	14.78	
33 11 13 13-0007 LF 10" Mechanical Joint Ductile Iron Pipe.....	53.27	14.82
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.49	
For Cement Lining, Add	3.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.31	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.66	
For Class 51, Add	2.82	
For Class 52, Add	6.10	
For Class 53, Add	9.25	
For Class 54, Add	12.42	
For Class 55, Add	15.50	
For Class 56, Add	19.37	
33 11 13 13-0008 LF 12" Mechanical Joint Ductile Iron Pipe.....	64.30	16.46
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.68	
For Cement Lining, Add	3.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.22	
For Class 51, Add	3.56	
For Class 52, Add	7.70	
For Class 53, Add	11.67	
For Class 54, Add	15.68	
For Class 55, Add	19.56	
For Class 56, Add	24.46	
33 11 13 13-0009 LF 14" Mechanical Joint Ductile Iron Pipe.....	76.88	18.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.48	
For Cement Lining, Add	4.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.66	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.84	
For Class 51, Add	4.38	
For Class 52, Add	9.47	
For Class 53, Add	14.37	
For Class 54, Add	19.31	
For Class 55, Add	24.08	
For Class 56, Add	30.13	
33 11 13 13-0010 LF 16" Mechanical Joint Ductile Iron Pipe.....	86.81	21.17
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.44	
For Cement Lining, Add	5.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.10	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.34	
For Class 51, Add	4.91	
For Class 52, Add	10.64	
For Class 53, Add	16.14	
For Class 54, Add	21.67	
For Class 55, Add	27.04	
For Class 56, Add	33.82	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0011 LF 18" Mechanical Joint Ductile Iron Pipe.....	107.61	24.70
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.78	
For Cement Lining, Add	7.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.38	
For Class 51, Add	6.26	
For Class 52, Add	13.55	
For Class 53, Add	20.55	
For Class 54, Add	27.61	
For Class 55, Add	34.44	
For Class 56, Add	43.10	
33 11 13 13-0012 LF 20" Mechanical Joint Ductile Iron Pipe.....	122.19	29.63
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.37	
For Cement Lining, Add	7.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.80	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.11	
For Class 51, Add	6.93	
For Class 52, Add	15.01	
For Class 53, Add	22.77	
For Class 54, Add	30.59	
For Class 55, Add	38.15	
For Class 56, Add	47.73	
33 11 13 13-0013 LF 24" Mechanical Joint Ductile Iron Pipe.....	159.87	37.04
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.16	
For Cement Lining, Add	10.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.78	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.99	
For Class 51, Add	9.26	
For Class 52, Add	20.04	
For Class 53, Add	30.41	
For Class 54, Add	40.85	
For Class 55, Add	50.95	
For Class 56, Add	63.76	
33 11 13 13-0014 LF 30" Mechanical Joint Ductile Iron Pipe.....	206.15	39.89
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	45.35	
For Cement Lining, Add	14.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.97	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.31	
For Class 51, Add	12.81	
For Class 52, Add	27.78	
For Class 53, Add	42.15	
For Class 54, Add	56.64	
For Class 55, Add	70.64	
For Class 56, Add	88.45	
33 11 13 13-0015 LF 36" Mechanical Joint Ductile Iron Pipe.....	246.53	42.36
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	56.71	
For Cement Lining, Add	18.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.72	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.33	
For Class 51, Add	15.88	
For Class 52, Add	34.46	
For Class 53, Add	52.29	
For Class 54, Add	70.26	
For Class 55, Add	87.63	
For Class 56, Add	109.77	
33 11 13 13-0016 LF 42" Mechanical Joint Ductile Iron Pipe.....	302.99	44.82
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	73.05	
For Cement Lining, Add	23.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.67	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.15	
For Class 51, Add	20.27	
For Class 52, Add	44.02	
For Class 53, Add	66.82	
For Class 54, Add	89.78	
For Class 55, Add	111.98	
For Class 56, Add	140.31	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0017	LF		48" Mechanical Joint Ductile Iron Pipe.....	371.45	47.37
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	93.11	
			For Cement Lining, Add	30.04	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.53	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-18.57	
			For Class 51, Add	25.65	
			For Class 52, Add	55.74	
			For Class 53, Add	84.61	
			For Class 54, Add	113.69	
			For Class 55, Add	141.81	
			For Class 56, Add	177.73	
33 11 13 13-0018	LF		54" Mechanical Joint Ductile Iron Pipe.....	528.09	49.84
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	140.51	
			For Cement Lining, Add	45.33	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.99	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-26.40	
			For Class 51, Add	38.31	
			For Class 52, Add	83.31	
			For Class 53, Add	126.47	
			For Class 54, Add	169.95	
			For Class 55, Add	211.97	
			For Class 56, Add	265.78	
33 11 13 13-0019			90 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0020	EA		4" 90 Degree Elbow, Mechanical Joint Ductile Iron	346.19	33.82
			For Cement Lining, Add	29.49	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.12	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0021	EA		6" 90 Degree Elbow, Mechanical Joint Ductile Iron	472.33	49.98
			For Cement Lining, Add	39.66	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.75	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0022	EA		8" 90 Degree Elbow, Mechanical Joint Ductile Iron	649.23	59.29
			For Cement Lining, Add	55.94	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.95	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0023	EA		10" 90 Degree Elbow, Mechanical Joint Ductile Iron	984.34	65.71
			For Cement Lining, Add	88.48	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.36	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0024	EA		12" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,326.99	77.08
			For Cement Lining, Add	121.03	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.77	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0025	EA		14" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,461.63	86.44
			For Cement Lining, Add	133.07	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.80	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0026	EA		16" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,654.46	98.78
			For Cement Lining, Add	150.48	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.86	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0027	EA		18" 90 Degree Elbow, Mechanical Joint Ductile Iron	2,522.64	138.30
			For Cement Lining, Add	231.31	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	173.49	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0028	EA		20" 90 Degree Elbow, Mechanical Joint Ductile Iron	2,873.51	172.87
			For Cement Lining, Add	261.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	195.87	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0029	EA		24" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,074.58	230.19
			For Cement Lining, Add	472.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	354.43	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0030	EA		30" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,434.92	246.95
			For Cement Lining, Add	506.08	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	379.56	
			Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Distribution Piping	33 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0031	EA		36" 90 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,799.82 741.14 555.86	256.38
33 11 13 13-0032	EA		42" 90 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,705.52 1,225.65 919.24	296.34
33 11 13 13-0033	EA		48" 90 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,992.21 1,651.45 1,238.59	315.28
33 11 13 13-0034	EA		54" 90 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,803.21 1,929.81 1,447.36	333.39
33 11 13 13-0035			45 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0036	EA		4" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	327.88 27.66 20.75	33.82
33 11 13 13-0037	EA		6" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	380.80 30.51 22.88	49.98
33 11 13 13-0038	EA		8" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	516.92 42.71 32.03	59.29
33 11 13 13-0039	EA		10" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	649.75 55.02 41.27	65.71
33 11 13 13-0040	EA		12" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	869.33 75.26 56.45	77.08
33 11 13 13-0041	EA		14" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,003.03 87.21 65.41	86.44
33 11 13 13-0042	EA		16" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,141.23 99.16 74.37	98.78
33 11 13 13-0043	EA		18" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,421.91 121.24 90.93	138.30
33 11 13 13-0044	EA		20" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,351.18 208.93 156.70	172.87
33 11 13 13-0045	EA		24" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,893.14 354.43 265.82	230.19
33 11 13 13-0046	EA		30" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,507.60 413.34 310.01	246.95
33 11 13 13-0047	EA		36" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,661.63 627.32 470.49	256.38

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0048 EA 42" 45 Degree Elbow, Mechanical Joint Ductile Iron	12,264.62	296.34
For Cement Lining, Add	1,181.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	886.17	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0049 EA 48" 45 Degree Elbow, Mechanical Joint Ductile Iron	16,151.14	315.28
For Cement Lining, Add	1,567.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,175.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0050 EA 54" 45 Degree Elbow, Mechanical Joint Ductile Iron	19,535.63	333.39
For Cement Lining, Add	1,903.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,427.29	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0051 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0052 EA 4" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	350.45	33.82
For Cement Lining, Add	29.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.44	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0053 EA 6" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	414.90	49.98
For Cement Lining, Add	33.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.44	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0054 EA 8" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	507.11	59.29
For Cement Lining, Add	41.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.29	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0055 EA 10" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	594.74	65.71
For Cement Lining, Add	49.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.14	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0056 EA 12" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	794.07	77.08
For Cement Lining, Add	67.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.80	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0057 EA 14" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	825.37	86.44
For Cement Lining, Add	69.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.08	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0058 EA 16" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	972.83	98.78
For Cement Lining, Add	82.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0059 EA 18" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	1,762.81	138.30
For Cement Lining, Add	155.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.50	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0060 EA 20" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	2,183.64	172.87
For Cement Lining, Add	192.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.13	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0061 EA 24" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	3,030.16	230.19
For Cement Lining, Add	268.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	201.10	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0062 EA 30" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	6,134.61	246.95
For Cement Lining, Add	576.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	432.03	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0063 EA 36" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	8,636.09	256.38
For Cement Lining, Add	824.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	618.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0064 EA 42" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	12,267.02	296.34
For Cement Lining, Add	1,181.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	886.35	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0065 EA 48" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,148.75 1,567.11 1,175.33	315.28
33 11 13 13-0066 EA 54" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	19,521.67 1,901.65 1,426.24	333.39
33 11 13 13-0067 Tee, Mechanical Joint Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0068 EA 4" x 3" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	381.97 30.63 22.97	49.98
33 11 13 13-0069 EA 4" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	401.14 32.55 24.41	49.98
33 11 13 13-0070 EA 6" x 3" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	480.82 36.97 27.72	73.40
33 11 13 13-0071 EA 6" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	498.17 38.70 29.03	73.40
33 11 13 13-0072 EA 6" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	544.42 43.33 32.49	73.40
33 11 13 13-0073 EA 8" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	529.95 39.51 29.63	89.02
33 11 13 13-0074 EA 8" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	579.36 44.45 33.34	89.02
33 11 13 13-0075 EA 8" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	610.81 47.60 35.70	89.02
33 11 13 13-0076 EA 10" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	655.93 50.63 37.97	98.78
33 11 13 13-0077 EA 10" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	685.22 53.56 40.17	98.78
33 11 13 13-0078 EA 10" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	706.14 55.65 41.74	98.78
33 11 13 13-0079 EA 10" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	768.91 61.92 46.44	98.78
33 11 13 13-0080 EA 12" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	806.61 63.23 47.42	115.10
33 11 13 13-0081 EA 12" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	807.01 63.49 47.62	113.60

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0082 EA 12" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	819.59 64.75 48.56	113.60
33 11 13 13-0083 EA 12" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	912.90 74.08 55.56	113.60
33 11 13 13-0084 EA 12" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,000.55 82.84 62.13	113.60
33 11 13 13-0085 EA 14" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,296.90 208.76 156.57	138.14
33 11 13 13-0086 EA 14" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,368.02 215.88 161.91	138.14
33 11 13 13-0087 EA 14" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,446.27 223.70 167.78	138.14
33 11 13 13-0088 EA 14" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,520.96 231.17 173.38	138.14
33 11 13 13-0089 EA 14" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,663.20 245.39 184.04	138.14
33 11 13 13-0090 EA 14" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,809.03 259.98 194.98	138.14
33 11 13 13-0091 EA 16" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,836.37 257.48 193.11	172.64
33 11 13 13-0092 EA 16" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,903.95 264.24 198.18	172.64
33 11 13 13-0093 EA 16" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,960.86 269.93 202.45	172.64
33 11 13 13-0094 EA 16" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,060.44 279.89 209.92	172.64
33 11 13 13-0095 EA 16" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,152.90 289.14 216.85	172.64
33 11 13 13-0096 EA 16" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,323.61 306.21 229.66	172.64
33 11 13 13-0097 EA 16" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,472.98 321.15 240.86	172.64
33 11 13 13-0098 EA 18" x 6" Or 4" Tee, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,472.02 312.25 234.19	230.64



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0099	EA			18" x 8" Tee, Mechanical Joint Ductile Iron.....	3,546.70	230.64
				<i>For Cement Lining, Add</i>	319.72	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	239.79	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0100	EA			18" x 10" Tee, Mechanical Joint Ductile Iron.....	3,628.50	230.64
				<i>For Cement Lining, Add</i>	327.90	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	245.93	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0101	EA			18" x 12" Tee, Mechanical Joint Ductile Iron.....	3,728.08	230.64
				<i>For Cement Lining, Add</i>	337.86	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	253.40	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0102	EA			18" x 14" Tee, Mechanical Joint Ductile Iron.....	4,286.44	230.64
				<i>For Cement Lining, Add</i>	393.70	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	295.27	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0103	EA			18" x 16" Tee, Mechanical Joint Ductile Iron.....	4,439.37	230.64
				<i>For Cement Lining, Add</i>	408.99	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	306.74	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0104	EA			18" x 18" Tee, Mechanical Joint Ductile Iron.....	4,666.98	230.64
				<i>For Cement Lining, Add</i>	431.75	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	323.81	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0105	EA			20" x 6" Tee, Mechanical Joint Ductile Iron.....	4,297.42	345.89
				<i>For Cement Lining, Add</i>	377.34	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	283.00	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0106	EA			20" x 8" Tee, Mechanical Joint Ductile Iron.....	4,354.32	345.89
				<i>For Cement Lining, Add</i>	383.03	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	287.27	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0107	EA			20" x 10" Tee, Mechanical Joint Ductile Iron.....	4,457.46	345.89
				<i>For Cement Lining, Add</i>	393.34	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	295.01	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0108	EA			20" x 12" Tee, Mechanical Joint Ductile Iron.....	4,557.04	345.89
				<i>For Cement Lining, Add</i>	403.30	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	302.47	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0109	EA			20" x 14" Tee, Mechanical Joint Ductile Iron.....	4,692.18	345.89
				<i>For Cement Lining, Add</i>	416.81	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	312.61	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0110	EA			20" x 16" Tee, Mechanical Joint Ductile Iron.....	5,382.13	345.89
				<i>For Cement Lining, Add</i>	485.81	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	364.36	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0111	EA			20" x 18" Tee, Mechanical Joint Ductile Iron.....	5,627.52	345.89
				<i>For Cement Lining, Add</i>	510.35	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	382.76	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0112	EA			20" x 20" Tee, Mechanical Joint Ductile Iron.....	5,812.45	345.89
				<i>For Cement Lining, Add</i>	528.84	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	396.63	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0113	EA			24" x 8" Tee, Mechanical Joint Ductile Iron.....	5,833.56	460.76
				<i>For Cement Lining, Add</i>	513.55	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	385.16	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0114	EA			24" x 10" Tee, Mechanical Joint Ductile Iron.....	5,936.69	460.76
				<i>For Cement Lining, Add</i>	523.86	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	392.90	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0115	EA			24" x 12" Tee, Mechanical Joint Ductile Iron.....	5,990.04	460.76
				<i>For Cement Lining, Add</i>	529.20	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	396.90	
				<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0116 EA 24" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,142.97 544.49 408.37	460.76
33 11 13 13-0117 EA 24" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,256.77 555.87 416.90	460.76
33 11 13 13-0118 EA 24" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	7,778.92 708.08 531.06	460.76
33 11 13 13-0119 EA 24" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	8,034.98 733.69 550.27	460.76
33 11 13 13-0120 EA 24" x 24" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	8,472.42 777.43 583.08	460.76
33 11 13 13-0121 EA 30" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,135.38 1,031.36 773.52	542.32
33 11 13 13-0122 EA 30" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,249.19 1,042.74 782.06	542.32
33 11 13 13-0123 EA 30" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,320.31 1,049.86 787.39	542.32
33 11 13 13-0124 EA 30" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,455.46 1,063.37 797.53	542.32
33 11 13 13-0125 EA 30" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,572.82 1,075.11 806.33	542.32
33 11 13 13-0126 EA 30" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,761.31 1,093.96 820.47	542.32
33 11 13 13-0127 EA 30" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,917.79 1,109.60 832.20	542.32
33 11 13 13-0128 EA 30" x 24" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	14,421.52 1,359.98 1,019.98	542.32
33 11 13 13-0129 EA 30" x 30" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,103.70 1,528.20 1,146.15	542.32
33 11 13 13-0130 EA 36" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,201.19 1,428.26 1,071.20	606.31
33 11 13 13-0131 EA 36" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,282.99 1,436.44 1,077.33	606.31
33 11 13 13-0132 EA 36" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,364.79 1,444.62 1,083.47	606.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0133	EA			36" x 14" Tee, Mechanical Joint Ductile Iron.....	15,499.93	606.31
				<i>For Cement Lining, Add</i>	1,458.13	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,093.60	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0134	EA			36" x 16" Tee, Mechanical Joint Ductile Iron.....	15,588.84	606.31
				<i>For Cement Lining, Add</i>	1,467.03	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,100.27	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0135	EA			36" x 18" Tee, Mechanical Joint Ductile Iron.....	15,777.33	606.31
				<i>For Cement Lining, Add</i>	1,485.87	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,114.41	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0136	EA			36" x 20" Tee, Mechanical Joint Ductile Iron.....	15,916.03	606.31
				<i>For Cement Lining, Add</i>	1,499.74	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,124.81	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0137	EA			36" x 24" Tee, Mechanical Joint Ductile Iron.....	16,229.00	606.31
				<i>For Cement Lining, Add</i>	1,531.04	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,148.28	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0138	EA			36" x 30" Tee, Mechanical Joint Ductile Iron.....	20,980.38	606.31
				<i>For Cement Lining, Add</i>	2,006.18	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,504.63	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0139	EA			36" x 36" Tee, Mechanical Joint Ductile Iron.....	22,086.43	606.31
				<i>For Cement Lining, Add</i>	2,116.78	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,587.59	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0140	EA			42" x 12" Tee, Mechanical Joint Ductile Iron.....	21,393.70	642.01
				<i>For Cement Lining, Add</i>	2,042.10	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,531.57	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0141	EA			42" x 16" Tee, Mechanical Joint Ductile Iron.....	21,646.20	642.01
				<i>For Cement Lining, Add</i>	2,067.35	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,550.51	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0142	EA			42" x 18" Tee, Mechanical Joint Ductile Iron.....	21,806.24	642.01
				<i>For Cement Lining, Add</i>	2,083.35	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,562.51	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0143	EA			42" x 20" Tee, Mechanical Joint Ductile Iron.....	21,944.94	642.01
				<i>For Cement Lining, Add</i>	2,097.22	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,572.92	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0144	EA			42" x 24" Tee, Mechanical Joint Ductile Iron.....	22,240.13	642.01
				<i>For Cement Lining, Add</i>	2,126.74	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,595.06	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0145	EA			42" x 30" Tee, Mechanical Joint Ductile Iron.....	27,478.74	642.01
				<i>For Cement Lining, Add</i>	2,650.60	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1,987.95	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0146	EA			42" x 36" Tee, Mechanical Joint Ductile Iron.....	34,303.52	642.01
				<i>For Cement Lining, Add</i>	3,333.08	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2,499.81	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0147	EA			42" x 42" Tee, Mechanical Joint Ductile Iron.....	36,092.40	642.01
				<i>For Cement Lining, Add</i>	3,511.97	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2,633.98	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0148	EA			48" x 12" Tee, Mechanical Joint Ductile Iron.....	28,094.91	698.96
				<i>For Cement Lining, Add</i>	2,703.59	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2,027.70	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0149	EA			48" x 14" Tee, Mechanical Joint Ductile Iron.....	28,201.60	698.96
				<i>For Cement Lining, Add</i>	2,714.26	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2,035.70	
				<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0150 EA 48" x 16" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,425.65 2,736.67 2,052.50	698.96
33 11 13 13-0151 EA 48" x 18" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,475.44 2,741.65 2,056.24	698.96
33 11 13 13-0152 EA 48" x 20" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,614.14 2,755.52 2,066.64	698.96
33 11 13 13-0153 EA 48" x 24" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,884.43 2,782.55 2,086.91	698.96
33 11 13 13-0154 EA 48" x 30" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,321.23 2,926.23 2,194.67	698.96
33 11 13 13-0155 EA 48" x 36" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,812.35 3,475.34 2,606.50	698.96
33 11 13 13-0156 EA 48" x 42" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	45,094.61 4,403.56 3,302.67	698.96
33 11 13 13-0157 EA 48" x 48" Tee, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	46,677.22 4,561.83 3,421.37	698.96
33 11 13 13-0158 Cross, Mechanical Joint Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0159 EA 4" x 3" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	366.58 27.20 20.40	62.44
33 11 13 13-0160 EA 4" x 4" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	528.09 43.35 32.51	62.44
33 11 13 13-0161 EA 6" x 3" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	633.61 47.59 35.69	104.08
33 11 13 13-0162 EA 6" x 4" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	658.90 50.12 37.59	104.08
33 11 13 13-0163 EA 6" x 6" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	684.17 52.65 39.49	104.08
33 11 13 13-0164 EA 8" x 4" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	661.81 48.04 36.03	119.68
33 11 13 13-0165 EA 8" x 6" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	769.59 58.82 44.12	119.68
33 11 13 13-0166 EA 8" x 8" Cross, Mechanical Joint Ductile Iron..... For Cement Lining, Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	866.80 68.54 51.41	119.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0167 EA 10" x 4" Cross, Mechanical Joint Ductile Iron	848.10	131.70
For Cement Lining, Add	64.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0168 EA 10" x 6" Cross, Mechanical Joint Ductile Iron	848.10	131.70
For Cement Lining, Add	64.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0169 EA 10" x 8" Cross, Mechanical Joint Ductile Iron	904.90	131.70
For Cement Lining, Add	70.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0170 EA 10" x 10" Cross, Mechanical Joint Ductile Iron	1,050.61	131.70
For Cement Lining, Add	85.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.83	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0171 EA 12 x 4" Cross, Mechanical Joint Ductile Iron	969.25	148.18
For Cement Lining, Add	74.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0172 EA 12" x 6" Cross, Mechanical Joint Ductile Iron	1,044.58	148.18
For Cement Lining, Add	82.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0173 EA 12" x 8" Cross, Mechanical Joint Ductile Iron	1,073.85	148.18
For Cement Lining, Add	84.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0174 EA 12" x 10" Cross, Mechanical Joint Ductile Iron	1,237.05	148.18
For Cement Lining, Add	101.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.94	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0175 EA 12" x 12" Cross, Mechanical Joint Ductile Iron	1,292.85	148.18
For Cement Lining, Add	106.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.13	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0176 EA 14" x 4" Cross, Mechanical Joint Ductile Iron	2,520.23	172.87
For Cement Lining, Add	225.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	169.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0177 EA 14" x 6" Cross, Mechanical Joint Ductile Iron	2,637.59	172.87
For Cement Lining, Add	237.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.18	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0178 EA 14" x 8" Cross, Mechanical Joint Ductile Iron	2,769.18	172.87
For Cement Lining, Add	250.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	188.05	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0179 EA 14" x 10" Cross, Mechanical Joint Ductile Iron	2,961.23	172.87
For Cement Lining, Add	269.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	202.45	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0180 EA 14" x 12" Cross, Mechanical Joint Ductile Iron	3,181.72	172.87
For Cement Lining, Add	291.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	218.99	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0181 EA 14" x 14" Cross, Mechanical Joint Ductile Iron	3,476.91	172.87
For Cement Lining, Add	321.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	241.13	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0182 EA 16" x 4" Cross, Mechanical Joint Ductile Iron	2,145.82	207.44
For Cement Lining, Add	183.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0183 EA 16" x 6" Cross, Mechanical Joint Ductile Iron	3,155.84	207.44
For Cement Lining, Add	284.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	213.12	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0184 EA 16" x 8" Cross, Mechanical Joint Ductile Iron.....	3,308.77	207.44
For Cement Lining, Add	299.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	224.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0185 EA 16" x 10" Cross, Mechanical Joint Ductile Iron.....	3,507.93	207.44
For Cement Lining, Add	319.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	239.53	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0186 EA 16" x 12" Cross, Mechanical Joint Ductile Iron.....	3,699.98	207.44
For Cement Lining, Add	338.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	253.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0187 EA 16" x 14" Cross, Mechanical Joint Ductile Iron.....	3,995.16	207.44
For Cement Lining, Add	368.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	276.07	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0188 EA 16" x 16" Cross, Mechanical Joint Ductile Iron.....	4,261.89	207.44
For Cement Lining, Add	394.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	296.07	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0189 EA 18" x 6" Cross, Mechanical Joint Ductile Iron.....	3,727.71	263.27
For Cement Lining, Add	332.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	249.66	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0190 EA 18" x 8" Cross, Mechanical Joint Ductile Iron.....	3,877.08	263.27
For Cement Lining, Add	347.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	260.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0191 EA 18" x 10" Cross, Mechanical Joint Ductile Iron.....	4,040.68	263.27
For Cement Lining, Add	364.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	273.13	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0192 EA 18" x 12" Cross, Mechanical Joint Ductile Iron.....	4,243.39	263.27
For Cement Lining, Add	384.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	288.34	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0193 EA 18" x 14" Cross, Mechanical Joint Ductile Iron.....	4,976.02	263.27
For Cement Lining, Add	457.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	343.28	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0194 EA 18" x 16" Cross, Mechanical Joint Ductile Iron.....	5,281.87	263.27
For Cement Lining, Add	488.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	366.22	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0195 EA 18" x 18" Cross, Mechanical Joint Ductile Iron.....	5,715.75	263.27
For Cement Lining, Add	531.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	398.76	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0196 EA 20" x 6" Cross, Mechanical Joint Ductile Iron.....	4,518.27	355.46
For Cement Lining, Add	397.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	298.47	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0197 EA 20" x 8" Cross, Mechanical Joint Ductile Iron.....	4,678.31	355.46
For Cement Lining, Add	413.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	310.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0198 EA 20" x 10" Cross, Mechanical Joint Ductile Iron.....	4,834.79	355.46
For Cement Lining, Add	429.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	322.21	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0199 EA 20" x 12" Cross, Mechanical Joint Ductile Iron.....	5,041.06	355.46
For Cement Lining, Add	450.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	337.68	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0200 EA 20" x 14" Cross, Mechanical Joint Ductile Iron.....	5,314.91	355.46
For Cement Lining, Add	477.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	358.22	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0201 EA 20" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,164.89 562.63 421.97	355.46
33 11 13 13-0202 EA 20" x 18" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,616.56 607.79 455.84	355.46
33 11 13 13-0203 EA 20" x 20" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	7,000.65 646.20 484.65	355.46
33 11 13 13-0204 EA 24" x 8" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,110.00 539.87 404.90	469.51
33 11 13 13-0205 EA 24" x 10" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,316.27 560.49 420.37	469.51
33 11 13 13-0206 EA 24" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,451.42 574.01 430.51	469.51
33 11 13 13-0207 EA 24" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,732.38 602.10 451.58	469.51
33 11 13 13-0208 EA 24" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,970.66 625.93 469.45	469.51
33 11 13 13-0209 EA 24" x 18" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	8,862.67 815.13 611.35	469.51
33 11 13 13-0210 EA 24" x 20" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	9,289.45 857.81 643.36	469.51
33 11 13 13-0211 EA 24" x 24" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	10,125.21 941.39 706.04	469.51
33 11 13 13-0212 EA 30" x 8" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,634.87 1,066.22 799.66	642.01
33 11 13 13-0213 EA 30" x 10" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,762.90 1,079.02 809.26	642.01
33 11 13 13-0214 EA 30" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,951.39 1,097.87 823.40	642.01
33 11 13 13-0215 EA 30" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	12,221.68 1,124.90 843.67	642.01
33 11 13 13-0216 EA 30" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	12,467.07 1,149.44 862.08	642.01
33 11 13 13-0217 EA 30" x 18" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	12,836.94 1,186.42 889.82	642.01

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0218 EA 30" x 20" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	13,167.69 1,219.50 914.62	642.01
33 11 13 13-0219 EA 30" x 24" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,155.08 1,518.24 1,138.68	642.01
33 11 13 13-0220 EA 30" x 30" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	19,544.36 1,857.17 1,392.87	642.01
33 11 13 13-0221 EA 36" x 8" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,614.83 1,454.58 1,090.93	705.61
33 11 13 13-0222 EA 36" x 10" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,805.37 1,473.43 1,105.07	706.96
33 11 13 13-0223 EA 36" x 12" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	15,970.48 1,490.14 1,117.61	705.61
33 11 13 13-0224 EA 36" x 14" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,215.87 1,514.68 1,136.01	705.61
33 11 13 13-0225 EA 36" x 16" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,439.93 1,537.09 1,152.82	705.61
33 11 13 13-0226 EA 36" x 18" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,788.45 1,571.94 1,178.95	705.61
33 11 13 13-0227 EA 36" x 20" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	17,090.75 1,602.17 1,201.63	705.61
33 11 13 13-0228 EA 36" x 24" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	17,698.90 1,662.98 1,247.24	705.61
33 11 13 13-0229 EA 36" x 30" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	24,150.25 2,308.12 1,731.09	705.61
33 11 13 13-0230 EA 36" x 36" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	26,390.80 2,532.17 1,899.13	705.61
33 11 13 13-0231 EA 42" x 12" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	22,025.87 2,090.11 1,567.58	742.36
33 11 13 13-0232 EA 42" x 16" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	22,498.88 2,137.41 1,603.06	742.36
33 11 13 13-0233 EA 42" x 18" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	22,818.96 2,169.42 1,627.06	742.36
33 11 13 13-0234 EA 42" x 20" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	23,128.37 2,200.36 1,650.27	742.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0235	EA			42" x 24" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,711.62 2,258.69 1,694.01	742.36
33 11 13 13-0236	EA			42" x 30" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,507.95 2,938.32 2,203.74	742.36
33 11 13 13-0237	EA			42" x 36" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	38,396.10 3,727.13 2,795.35	742.36
33 11 13 13-0238	EA			42" x 42" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	41,970.30 4,084.55 3,063.41	742.36
33 11 13 13-0239	EA			48" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,851.32 2,750.54 2,062.90	888.28
33 11 13 13-0240	EA			48" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	29,011.36 2,766.54 2,074.91	888.28
33 11 13 13-0241	EA			48" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	29,299.43 2,795.35 2,096.51	888.28
33 11 13 13-0242	EA			48" x 18" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	29,623.07 2,827.71 2,120.78	888.28
33 11 13 13-0243	EA			48" x 20" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	29,904.03 2,855.81 2,141.86	888.28
33 11 13 13-0244	EA			48" x 24" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,473.05 2,912.71 2,184.53	888.28
33 11 13 13-0245	EA			48" x 30" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	33,321.75 3,197.58 2,398.19	888.28
33 11 13 13-0246	EA			48" x 36" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	39,719.76 3,837.38 2,878.04	888.28
33 11 13 13-0247	EA			48" x 42" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	50,453.05 4,910.71 3,683.03	888.28
33 11 13 13-0248	EA			48" x 48" Cross, Mechanical Joint Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	53,557.80 5,221.19 3,915.89	888.28
33 11 13 13-0249				Mechanical Joint x Mechanical Joint Reducers, Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0250	EA			6" x 3" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	259.45 19.24 14.43	47.31
33 11 13 13-0251	EA			6" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	268.11 19.24 14.43	49.98

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0252 EA 8" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	314.66	63.08
For Cement Lining, Add	22.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.50	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0253 EA 8" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	336.34	63.08
For Cement Lining, Add	24.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.13	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0254 EA 10" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	350.58	65.71
For Cement Lining, Add	25.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.83	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0255 EA 10" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	375.68	65.71
For Cement Lining, Add	27.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.71	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0256 EA 10" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	404.96	65.71
For Cement Lining, Add	30.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.91	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0257 EA 12" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	447.26	77.08
For Cement Lining, Add	33.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.79	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0258 EA 12" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	464.01	77.08
For Cement Lining, Add	34.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.05	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0259 EA 12" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	489.12	77.08
For Cement Lining, Add	37.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0260 EA 12" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	526.75	77.08
For Cement Lining, Add	41.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0261 EA 14" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,130.31	86.44
For Cement Lining, Add	99.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.95	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0262 EA 14" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,229.89	86.44
For Cement Lining, Add	109.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.42	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0263 EA 14" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,322.35	86.44
For Cement Lining, Add	119.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0264 EA 14" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,446.83	86.44
For Cement Lining, Add	131.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0265 EA 16" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,333.96	98.78
For Cement Lining, Add	118.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.82	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0266 EA 16" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,433.54	98.78
For Cement Lining, Add	128.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.29	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0267 EA 16" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,572.24	98.78
For Cement Lining, Add	142.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0268 EA 16" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,700.27	98.78
For Cement Lining, Add	155.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.30	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-0269	EA		16" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,878.09	98.78
				<i>For Cement Lining, Add</i>	172.84	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	129.63	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0270	EA		18" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,827.67	138.30
				<i>For Cement Lining, Add</i>	161.82	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	121.36	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0271	EA		18" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	1,969.93	138.30
				<i>For Cement Lining, Add</i>	176.04	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	132.03	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0272	EA		18" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	2,097.96	138.30
				<i>For Cement Lining, Add</i>	188.85	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	141.63	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0273	EA		18" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	2,275.78	138.30
				<i>For Cement Lining, Add</i>	206.63	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	154.97	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0274	EA		18" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	2,450.05	138.30
				<i>For Cement Lining, Add</i>	224.06	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	168.04	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0275	EA		20" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	2,274.84	172.87
				<i>For Cement Lining, Add</i>	201.29	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	150.97	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0276	EA		20" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	2,420.65	172.87
				<i>For Cement Lining, Add</i>	215.88	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	161.91	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0277	EA		20" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	2,573.58	172.87
				<i>For Cement Lining, Add</i>	231.17	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	173.38	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0278	EA		20" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	2,779.85	172.87
				<i>For Cement Lining, Add</i>	251.80	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	188.85	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0279	EA		20" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	3,035.91	172.87
				<i>For Cement Lining, Add</i>	277.40	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	208.05	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0280	EA		24" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	3,229.52	230.19
				<i>For Cement Lining, Add</i>	288.07	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	216.05	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0281	EA		24" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	3,382.45	230.19
				<i>For Cement Lining, Add</i>	303.36	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	227.52	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0282	EA		24" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	3,581.61	230.19
				<i>For Cement Lining, Add</i>	323.28	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	242.46	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0283	EA		24" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	3,859.01	230.19
				<i>For Cement Lining, Add</i>	351.02	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	263.26	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0284	EA		24" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	4,083.06	230.19
				<i>For Cement Lining, Add</i>	373.42	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	280.07	
				<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13	13-0285	EA		30" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	6,316.95	246.95
				<i>For Cement Lining, Add</i>	594.28	
				<i>Note: ANSI/AWWA C104/A21.4</i>		
				<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	445.71	
				<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0286 EA 30" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,633.48 625.93 469.45	246.95
33 11 13 13-0287 EA 30" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	7,238.07 686.39 514.79	246.95
33 11 13 13-0288 EA 36" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	8,710.44 832.20 624.15	256.38
33 11 13 13-0289 EA 36" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	9,379.05 899.06 674.30	256.38
33 11 13 13-0290 EA 36" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,438.22 1,104.98 828.74	256.38
33 11 13 13-0291 EA 42" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,587.73 1,113.87 835.40	296.34
33 11 13 13-0292 EA 42" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	12,398.60 1,194.96 896.22	296.34
33 11 13 13-0293 EA 42" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	14,585.80 1,413.68 1,060.26	296.34
33 11 13 13-0294 EA 42" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16,292.88 1,584.39 1,188.29	296.34
33 11 13 13-0295 EA 48" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	17,840.13 1,736.25 1,302.18	315.28
33 11 13 13-0296 EA 48" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	19,746.38 1,926.87 1,445.15	315.28
33 11 13 13-0297 EA 48" x 42" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	22,182.53 2,170.49 1,627.86	315.28
33 11 13 13-0298 EA 54" x 48" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	25,341.73 2,483.66 1,862.75	333.39
33 11 13 13-0299 Mechanical Joint x Plain End Offsets, Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0300 EA 4" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	770.10 59.66 44.75	114.48
33 11 13 13-0301 EA 4" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	794.07 62.06 46.55	114.48
33 11 13 13-0302 EA 6" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	951.35 73.45 55.09	143.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0303	EA			6" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,050.22 83.34 62.50	143.10
33 11 13 13-0304	EA			8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,174.35 95.75 71.81	143.10
33 11 13 13-0305	EA			8" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,223.05 97.53 73.14	163.53
33 11 13 13-0306	EA			8" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,471.44 122.36 91.77	163.53
33 11 13 13-0307	EA			8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,579.81 133.20 99.90	163.53
33 11 13 13-0308	EA			10" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,621.11 133.20 99.90	190.81
33 11 13 13-0309	EA			10" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,973.62 168.45 126.34	190.81
33 11 13 13-0310	EA			10" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,275.91 198.68 149.01	190.81
33 11 13 13-0311	EA			12" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,354.55 203.92 152.94	208.15
33 11 13 13-0312	EA			12" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,620.52 230.51 172.88	208.15
33 11 13 13-0313	EA			12" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,134.92 281.95 211.46	208.15
33 11 13 13-0314	EA			14" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,964.21 361.73 271.30	228.97
33 11 13 13-0315	EA			14" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,028.12 468.12 351.09	228.97
33 11 13 13-0316	EA			14" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,873.70 252.68 189.51	228.97
33 11 13 13-0317	EA			16" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,335.97 195.05 146.29	254.43
33 11 13 13-0318	EA			16" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,956.58 257.11 192.83	254.43
33 11 13 13-0319	EA			16" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,444.21 305.87 229.41	254.43

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0320			Mechanical Joint Caps, Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0321	EA		4" Mechanical Joint Cap, Ductile Iron	228.27	76.32
			For Cement Lining, Add	11.26	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.45	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0322	EA		6" Mechanical Joint Cap, Ductile Iron	294.75	95.41
			For Cement Lining, Add	15.02	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.26	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0323	EA		8" Mechanical Joint Cap, Ductile Iron	361.28	109.04
			For Cement Lining, Add	19.61	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.71	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0324	EA		10" Mechanical Joint Cap, Ductile Iron	508.12	164.64
			For Cement Lining, Add	25.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.40	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0325	EA		12" Mechanical Joint Cap, Ductile Iron	597.53	179.61
			For Cement Lining, Add	32.54	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.41	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0326	EA		14" Mechanical Joint Cap, Ductile Iron	937.69	197.57
			For Cement Lining, Add	63.84	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.88	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0327	EA		16" Mechanical Joint Cap, Ductile Iron	1,194.37	219.49
			For Cement Lining, Add	86.18	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.63	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0328	EA		18" Mechanical Joint Cap, Ductile Iron	1,579.93	246.95
			For Cement Lining, Add	120.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.43	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0329	EA		20" Mechanical Joint Cap, Ductile Iron	1,831.98	282.20
			For Cement Lining, Add	140.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.33	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0330	EA		24" Mechanical Joint Cap, Ductile Iron	2,530.96	329.27
			For Cement Lining, Add	203.21	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	152.40	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0331	EA		30" Mechanical Joint Cap, Ductile Iron	4,570.81	395.13
			For Cement Lining, Add	397.21	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	297.91	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0332	EA		36" Mechanical Joint Cap, Ductile Iron	6,407.44	493.91
			For Cement Lining, Add	565.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	424.43	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0333	EA		42" Mechanical Joint Cap, Ductile Iron	9,444.74	592.68
			For Cement Lining, Add	854.67	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	641.00	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0334	EA		48" Mechanical Joint Cap, Ductile Iron	12,346.14	658.55
			For Cement Lining, Add	1,134.84	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	851.13	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0335	EA		54" Mechanical Joint Cap, Ductile Iron	14,776.35	740.86
			For Cement Lining, Add	1,365.38	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,024.04	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0336			Flanged End x Mechanical Joint Adapters, Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0337	EA		4" Flanged End x Mechanical Joint Adapters, Ductile Iron.....	428.99	114.48
			For Cement Lining, Add	25.55	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.16	
			Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0338	EA		6" Flanged End x Mechanical Joint Adapters, Ductile Iron	549.61	143.10
			For Cement Lining, Add	33.28	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.96	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0339	EA		8" Flanged End x Mechanical Joint Adapters, Ductile Iron	693.49	163.53
			For Cement Lining, Add	44.57	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.43	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0340	EA		10" Flanged End x Mechanical Joint Adapters, Ductile Iron	962.48	246.95
			For Cement Lining, Add	58.83	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.12	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0341	EA		12" Flanged End x Mechanical Joint Adapters, Ductile Iron	1,145.06	269.40
			For Cement Lining, Add	73.69	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.27	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0342	EA		14" Flanged End x Mechanical Joint Adapters, Ductile Iron	1,488.96	296.34
			For Cement Lining, Add	104.00	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.00	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0343	EA		16" Flanged End x Mechanical Joint Adapters, Ductile Iron	1,758.72	329.27
			For Cement Lining, Add	125.98	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.49	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0344	EA		18" Flanged End x Mechanical Joint Adapters, Ductile Iron	2,198.43	370.43
			For Cement Lining, Add	163.72	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	122.79	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0345	EA		20" Flanged End x Mechanical Joint Adapters, Ductile Iron	2,572.77	423.33
			For Cement Lining, Add	193.13	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.85	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0346	EA		24" Flanged End x Mechanical Joint Adapters, Ductile Iron	3,273.92	493.91
			For Cement Lining, Add	252.56	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	189.42	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0347	EA		30" Flanged End x Mechanical Joint Adapters, Ductile Iron	6,112.60	592.68
			For Cement Lining, Add	521.46	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	391.09	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0348	EA		36" Flanged End x Mechanical Joint Adapters, Ductile Iron	7,977.24	740.86
			For Cement Lining, Add	685.47	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	514.10	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0349	EA		42" Flanged End x Mechanical Joint Adapters, Ductile Iron	10,565.13	846.68
			For Cement Lining, Add	928.23	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	696.17	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0350	EA		48" Flanged End x Mechanical Joint Adapters, Ductile Iron	12,861.82	987.81
			For Cement Lining, Add	1,136.51	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	852.38	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0351	EA		54" Flanged End x Mechanical Joint Adapters, Ductile Iron	15,048.02	1,086.59
			For Cement Lining, Add	1,340.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,005.12	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0352			Mechanical Joint x Push-On Joint Adapters, Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0353	EA		4" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	412.84	114.48
			For Cement Lining, Add	23.94	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.95	
			Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0354	EA		6" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	504.97	143.10
			For Cement Lining, Add	28.81	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.61	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0355 EA 8" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	668.93	163.53
For Cement Lining, Add	42.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0356 EA 10" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	928.29	246.95
For Cement Lining, Add	55.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0357 EA 12" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,139.62	269.40
For Cement Lining, Add	73.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.86	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0358 EA 14" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,357.76	296.34
For Cement Lining, Add	90.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.16	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0359 EA 16" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,607.14	329.27
For Cement Lining, Add	110.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.12	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0360 EA 18" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	1,891.14	370.43
For Cement Lining, Add	132.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0361 EA 20" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	2,237.30	423.33
For Cement Lining, Add	159.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0362 EA 24" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	2,853.99	493.91
For Cement Lining, Add	210.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.92	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0363 EA 30" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	4,651.83	592.68
For Cement Lining, Add	375.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	281.54	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0364 EA 36" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	6,290.44	740.86
For Cement Lining, Add	516.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0365 EA 42" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	7,940.59	845.70
For Cement Lining, Add	665.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	499.44	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0366 EA 48" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	9,929.93	987.81
For Cement Lining, Add	843.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	632.49	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0367 EA 54" Mechanical Joint x Push-On Joint Adapter, Ductile Iron.....	11,932.41	1,086.59
For Cement Lining, Add	1,028.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	771.45	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0368 Mechanical Joint x Mechanical Joint Solid Sleeves, Ductile Irons (33 11 13 13-0002)		
33 11 13 13-0369 EA 4" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	434.93	114.48
For Cement Lining, Add	26.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.61	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0370 EA 6" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	516.93	143.10
For Cement Lining, Add	30.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0371 EA 8" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	640.01	163.53
For Cement Lining, Add	39.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.42	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Distribution Piping	33 11

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0372 EA 10" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	885.23 51.11 38.33	246.95
33 11 13 13-0373 EA 12" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,047.01 63.88 47.91	269.40
33 11 13 13-0374 EA 14" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,488.96 104.00 78.00	296.34
33 11 13 13-0375 EA 16" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,752.78 125.39 94.04	329.27
33 11 13 13-0376 EA 18" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,195.46 163.42 122.57	370.43
33 11 13 13-0377 EA 20" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,504.43 186.30 139.72	423.33
33 11 13 13-0378 EA 24" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,196.67 244.83 183.62	493.91
33 11 13 13-0379 EA 30" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,899.98 600.20 450.15	592.68
33 11 13 13-0380 EA 36" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	9,011.24 788.87 591.65	740.86
33 11 13 13-0381 EA 42" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	10,462.65 918.12 688.59	845.70
33 11 13 13-0382 EA 48" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	12,588.46 1,109.18 831.88	987.81
33 11 13 13-0383 EA 54" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	14,551.77 1,290.54 967.90	1,086.59
33 11 13 13-0384 Pipe And Fitting Restraints, Mechanical Joint Ductile Iron (Megalug 1100) ⁽³³⁾ <small>11 13 13-0002</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 11 13 13-0385 EA 4" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)..... <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	126.02 2.78	58.74
33 11 13 13-0386 EA 6" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)..... <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	153.31 3.24	72.70
33 11 13 13-0387 EA 8" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)..... <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	194.99 4.99	84.83
33 11 13 13-0388 EA 10" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)..... <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	285.53 7.38	123.48
33 11 13 13-0389 EA 12" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)..... <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	356.95 10.73	141.14
33 11 13 13-0390 EA 14" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)..... <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	412.76 13.69	151.91

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0391 EA 16" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	510.54 19.58	164.64
33 11 13 13-0392 EA 18" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	669.21 27.74	197.57
33 11 13 13-0393 EA 20" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	790.01 34.31	219.42
33 11 13 13-0394 EA 24" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	922.98 40.45	253.16
33 11 13 13-0395 EA 30" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,917.60 109.32	303.60
33 11 13 13-0396 EA 36" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,440.81 139.89	379.93
33 11 13 13-0397 EA 42" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,518.40 214.06	438.38
33 11 13 13-0398 EA 48" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,668.04 286.03	563.81
33 11 13 13-0399 EA 54" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,855.99 364.37	658.55
33 11 13 13-0400 Push-On Joint Ductile Iron Piping <small>(33 11 13 13-0001)</small>		
33 11 13 13-0401 Push-On Joint Ductile Iron Pipe <small>(33 11 13 13-0400)</small> <i>Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.</i>		
33 11 13 13-0402 LF 4" Push-On Joint Ductile Iron Pipe <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	20.64 7.55 1.08 0.81 -1.03 1.01 2.18 3.31 4.45 5.55 6.93	6.50
33 11 13 13-0403 LF 6" Push-On Joint Ductile Iron Pipe <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	26.59 11.05 1.58 1.18 -1.33 1.44 3.11 4.71 6.33 7.90 9.87	7.18
33 11 13 13-0404 LF 8" Push-On Joint Ductile Iron Pipe <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	34.20 15.66 2.24 1.68 -1.71 1.99 4.32 6.55 8.79 10.97 13.73	7.89
33 11 13 13-0405 LF 10" Push-On Joint Ductile Iron Pipe <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Lining, Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	46.35 17.71 2.95 2.21 -2.32 2.64 5.72 8.68 11.66 14.55 18.20	11.15



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0406 LF 12" Push-On Joint Ductile Iron Pipe.....	56.30	12.35
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.80	
For Cement Lining, Add	3.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.82	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.82	
For Class 51, Add	3.33	
For Class 52, Add	7.22	
For Class 53, Add	10.96	
For Class 54, Add	14.72	
For Class 55, Add	18.36	
For Class 56, Add	22.98	
33 11 13 13-0407 LF 14" Push-On Joint Ductile Iron Pipe.....	68.12	13.92
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.72	
For Cement Lining, Add	4.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.53	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.41	
For Class 51, Add	4.15	
For Class 52, Add	8.99	
For Class 53, Add	13.64	
For Class 54, Add	18.32	
For Class 55, Add	22.85	
For Class 56, Add	28.61	
33 11 13 13-0408 LF 16" Push-On Joint Ductile Iron Pipe.....	79.39	15.86
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.70	
For Cement Lining, Add	5.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.15	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.97	
For Class 51, Add	4.87	
For Class 52, Add	10.55	
For Class 53, Add	16.01	
For Class 54, Add	21.51	
For Class 55, Add	26.82	
For Class 56, Add	33.58	
33 11 13 13-0409 LF 18" Push-On Joint Ductile Iron Pipe.....	91.69	18.56
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.09	
For Cement Lining, Add	6.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.77	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.58	
For Class 51, Add	5.60	
For Class 52, Add	12.13	
For Class 53, Add	18.41	
For Class 54, Add	24.74	
For Class 55, Add	30.85	
For Class 56, Add	38.63	
33 11 13 13-0410 LF 20" Push-On Joint Ductile Iron Pipe.....	106.26	22.23
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.58	
For Cement Lining, Add	7.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.44	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.31	
For Class 51, Add	6.41	
For Class 52, Add	13.88	
For Class 53, Add	21.07	
For Class 54, Add	28.30	
For Class 55, Add	35.30	
For Class 56, Add	44.19	
33 11 13 13-0411 LF 24" Push-On Joint Ductile Iron Pipe.....	133.59	27.76
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.35	
For Cement Lining, Add	9.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.86	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.68	
For Class 51, Add	8.07	
For Class 52, Add	17.49	
For Class 53, Add	26.53	
For Class 54, Add	35.65	
For Class 55, Add	44.46	
For Class 56, Add	55.66	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0412 LF 30" Push-On Joint Ductile Iron Pipe.....	164.29	29.63
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.01	
For Cement Lining, Add	11.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.21	
For Class 51, Add	10.41	
For Class 52, Add	22.57	
For Class 53, Add	34.26	
For Class 54, Add	46.03	
For Class 55, Add	57.41	
For Class 56, Add	71.90	
33 11 13 13-0413 LF 36" Push-On Joint Ductile Iron Pipe.....	204.92	31.51
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.72	
For Cement Lining, Add	15.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.79	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.25	
For Class 51, Add	13.56	
For Class 52, Add	29.43	
For Class 53, Add	44.67	
For Class 54, Add	60.02	
For Class 55, Add	74.86	
For Class 56, Add	93.80	
33 11 13 13-0414 LF 42" Push-On Joint Ductile Iron Pipe.....	250.92	33.38
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	62.13	
For Cement Lining, Add	20.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.03	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.55	
For Class 51, Add	17.16	
For Class 52, Add	37.27	
For Class 53, Add	56.57	
For Class 54, Add	76.02	
For Class 55, Add	94.81	
For Class 56, Add	118.82	
33 11 13 13-0415 LF 48" Push-On Joint Ductile Iron Pipe.....	303.21	35.18
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	77.45	
For Cement Lining, Add	24.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.74	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.16	
For Class 51, Add	21.27	
For Class 52, Add	46.23	
For Class 53, Add	70.17	
For Class 54, Add	94.29	
For Class 55, Add	117.60	
For Class 56, Add	147.42	
33 11 13 13-0416 LF 54" Push-On Joint Ductile Iron Pipe.....	386.17	37.04
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	102.31	
For Cement Lining, Add	33.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.75	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.31	
For Class 51, Add	27.91	
For Class 52, Add	60.70	
For Class 53, Add	92.15	
For Class 54, Add	123.83	
For Class 55, Add	154.45	
For Class 56, Add	193.65	
33 11 13 13-0417 Elbow, Push-On Joint Ductile Iron <small>(33 11 13 13-0400)</small>		
33 11 13 13-0418 EA 4" Elbow, Push-On Joint Ductile Iron.....	179.74	25.39
For Cement Lining, Add	14.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.60	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0419 EA 6" Elbow, Push-On Joint Ductile Iron.....	260.41	37.46
For Cement Lining, Add	20.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.27	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0420 EA 8" Elbow, Push-On Joint Ductile Iron.....	349.89	44.47
For Cement Lining, Add	28.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.19	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0421 EA 10" Elbow, Push-On Joint Ductile Iron.....	528.88	49.24
For Cement Lining, Add	42.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.03	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0422 EA 12" Elbow, Push-On Joint Ductile Iron.....	684.37	57.77
For Cement Lining, Add	56.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0423 EA 14" Elbow, Push-On Joint Ductile Iron.....	1,373.06	64.81
For Cement Lining, Add	123.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0424 EA 16" Elbow, Push-On Joint Ductile Iron.....	1,551.93	74.09
For Cement Lining, Add	139.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.91	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0425 EA 18" Elbow, Push-On Joint Ductile Iron.....	2,421.82	103.72
For Cement Lining, Add	220.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	165.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0426 Tee, Push-On Joint Ductile Iron (33 11 13 13-0400)		
33 11 13 13-0427 EA 4" Tee, Push-On Joint Ductile Iron.....	275.21	37.46
For Cement Lining, Add	21.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0428 EA 6" Tee, Push-On Joint Ductile Iron.....	382.32	55.04
For Cement Lining, Add	29.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.42	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0429 EA 8" Tee, Push-On Joint Ductile Iron.....	524.90	66.71
For Cement Lining, Add	42.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.78	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0430 EA 10" Tee, Push-On Joint Ductile Iron.....	779.04	74.83
For Cement Lining, Add	66.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0431 EA 12" Tee, Push-On Joint Ductile Iron.....	971.84	86.28
For Cement Lining, Add	84.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.07	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0432 EA 14" Tee, Push-On Joint Ductile Iron.....	1,575.58	103.72
For Cement Lining, Add	141.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0433 EA 16" Tee, Push-On Joint Ductile Iron.....	2,283.31	129.69
For Cement Lining, Add	208.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.52	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0434 EA 18" Tee, Push-On Joint Ductile Iron.....	3,584.83	173.02
For Cement Lining, Add	332.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	249.20	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0435 Flanged End x Push-On Joint Adapters, Ductile Iron (33 11 13 13-0400)		
33 11 13 13-0436 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron.....	378.56	88.07
For Cement Lining, Add	24.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0437 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron.....	462.33	109.04
For Cement Lining, Add	29.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.28	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0438 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron.....	619.85	127.18
For Cement Lining, Add	42.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.03	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0439 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	837.74 55.71 41.78	185.22
33 11 13 13-0440 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,026.40 70.57 52.93	211.71
33 11 13 13-0441 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,199.63 85.42 64.07	227.94
33 11 13 13-0442 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,451.26 107.71 80.78	246.95
33 11 13 13-0443 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,711.80 126.28 94.71	296.34
33 11 13 13-0444 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,003.11 150.42 112.82	329.27
33 11 13 13-0445 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,544.11 196.85 147.64	379.93
33 11 13 13-0446 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	4,223.63 353.29 264.96	455.89
33 11 13 13-0447 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	5,904.24 504.08 378.06	569.86
33 11 13 13-0448 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	7,524.94 652.72 489.54	658.55
33 11 13 13-0449 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	9,597.98 831.51 623.63	846.68
33 11 13 13-0450 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Lining, Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	11,701.94 1,020.49 765.36	988.04
33 11 13 13-0451 Pipe And Fitting Restraints, Push-On Joint Ductile Iron <small>(33 11 13 13-0400)</small> Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 11 13 13-0452 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	35.84	9.54
33 11 13 13-0453 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	40.49	9.54
33 11 13 13-0454 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	53.62	13.47
33 11 13 13-0455 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	65.32	14.82
33 11 13 13-0456 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	78.41	16.46
33 11 13 13-0457 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	100.40	18.48
33 11 13 13-0458 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.88	21.17
33 11 13 13-0459 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	137.23	24.70
33 11 13 13-0460 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	159.63	29.63
33 11 13 13-0461 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	192.42	29.63
33 11 13 13-0462 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	255.91	37.04
33 11 13 13-0463 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	332.05	37.04
33 11 13 13-0464 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	426.02	49.39
33 11 13 13-0465 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	493.68	49.39
33 11 13 13-0466 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	680.93	49.39
33 11 13 13-0467 Bell Restraint Harness, Ductile Iron (Megalug 1700) <small>(33 11 13 13-0400)</small>		
33 11 13 13-0468 EA 4" Bell Restraint Harness, Ductile Iron (Megalug 1700)	130.15	50.51
33 11 13 13-0469 EA 6" Bell Restraint Harness, Ductile Iron (Megalug 1700)	168.02	61.66
33 11 13 13-0470 EA 8" Bell Restraint Harness, Ductile Iron (Megalug 1700)	213.46	75.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0471 EA 10" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	307.16	91.75
33 11 13 13-0472 EA 12" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	379.74	111.88
33 11 13 13-0473 EA 14" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	616.55	136.50
33 11 13 13-0474 EA 16" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	711.16	166.58
33 11 13 13-0475 EA 18" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	816.98	203.17
33 11 13 13-0476 EA 20" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	1,091.15	247.93
33 11 13 13-0477 EA 24" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	1,382.54	302.41
33 11 13 13-0478 EA 30" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	2,282.40	369.01
33 11 13 13-0479 EA 36" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	3,188.71	450.13
33 11 13 13-0480 EA 42" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	5,610.12	549.21
33 11 13 13-0481 EA 48" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	7,230.28	669.99
33 11 13 13-0482 Ductile Iron Pipe Repair <small>(33 11 13 13-0001)</small>		
<i>See CSI section 33 11 13 13-0002 for mechanical joint fittings.</i>		
33 11 13 13-0483 Ductile Iron Pipe Repair <small>(33 11 13 13-0482)</small>		
<i>Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.</i>		
33 11 13 13-0484 EA 30" Diameter Mechanical Ductile Iron Push Joint.....	2,684.22	
33 11 13 13-0485 EA 36" Diameter Mechanical Ductile Iron Push Joint.....	3,426.41	
33 11 13 13-0486 EA 42" Diameter Mechanical Ductile Iron Push Joint.....	4,391.18	
33 11 13 13-0487 EA 48" Diameter Mechanical Ductile Iron Push Joint.....	5,527.77	
33 11 13 13-0488 EA 54" Diameter Mechanical Ductile Iron Push Joint.....	8,067.34	
33 11 13 13-0489 WEKO Seals <small>(33 11 13 13-0482)</small>		
<i>Note: Internal joint seal.</i>		
33 11 13 13-0490 EA 16" WEKO Internal Joint Seal.....	728.11	140.72
<i>For Extra Wide Seals, Add</i>		
	<i>80.66</i>	
33 11 13 13-0491 EA 20" WEKO Internal Joint Seal.....	821.10	156.46
<i>For Extra Wide Seals, Add</i>		
	<i>81.85</i>	
33 11 13 13-0492 EA 24" WEKO Internal Joint Seal.....	872.51	168.98
<i>For Extra Wide Seals, Add</i>		
	<i>82.80</i>	
33 11 13 13-0493 EA 30" WEKO Internal Joint Seal.....	906.38	181.49
<i>For Extra Wide Seals, Add</i>		
	<i>83.75</i>	
33 11 13 13-0494 EA 36" WEKO Internal Joint Seal.....	956.38	197.14
<i>For Extra Wide Seals, Add</i>		
	<i>84.93</i>	
33 11 13 13-0495 EA 42" WEKO Internal Joint Seal.....	1,024.29	215.91
<i>For Extra Wide Seals, Add</i>		
	<i>86.36</i>	
33 11 13 13-0496 EA 48" WEKO Internal Joint Seal.....	1,105.00	231.56
<i>For Extra Wide Seals, Add</i>		
	<i>87.54</i>	
33 11 13 13-0497 EA 54" WEKO Internal Joint Seal.....	1,149.40	244.07
<i>For Extra Wide Seals, Add</i>		
	<i>88.49</i>	
33 11 13 13-0498 EA 60" WEKO Internal Joint Seal.....	1,205.04	262.84
<i>For Extra Wide Seals, Add</i>		
	<i>89.91</i>	
33 11 13 23 Plastic Public Water Utility Distribution Piping <small>(33 11 13)</small>		
33 11 13 23-0001 AWWA C900 / C905 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23)</small>		
<i>Note: Includes hub on one end of pipe.</i>		
33 11 13 23-0002 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0003 LF 4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	12.62	6.28
33 11 13 23-0004 LF 6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	16.24	7.27
33 11 13 23-0005 LF 8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	20.98	8.43
33 11 13 23-0006 LF 10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	25.00	8.84
33 11 13 23-0007 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	29.84	9.17
33 11 13 23-0008 LF 14" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	34.46	9.98
33 11 13 23-0009 LF 16" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	47.46	10.79
33 11 13 23-0010 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0011 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	13.30	6.28
33 11 13 23-0012 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	17.64	7.27
33 11 13 23-0013 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	23.34	8.43
33 11 13 23-0014 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	28.66	8.84
33 11 13 23-0015 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	34.95	9.17
33 11 13 23-0016 LF 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	43.28	9.98
33 11 13 23-0017 LF 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	56.96	10.79
33 11 13 23-0018 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0019 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	13.96	6.28
33 11 13 23-0020 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	19.02	7.27
33 11 13 23-0021 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	25.70	8.43
33 11 13 23-0022 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	32.25	8.84
33 11 13 23-0023 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	40.06	9.17
33 11 13 23-0024 LF 14" AWWA C900, DR 14, PR 100 Polyvinyl Chloride (PVC) Pipe.....	50.25	9.98
33 11 13 23-0025 LF 16" AWWA C900, DR 14, PR 100 Polyvinyl Chloride (PVC) Pipe.....	67.21	10.79

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0026			AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0027	LF		18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	35.38	11.56
33 11 13 23-0028	LF		20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	40.80	12.56
33 11 13 23-0029	LF		24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	51.01	13.88
33 11 13 23-0030	LF		30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	71.71	16.94
33 11 13 23-0031	LF		36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	92.94	17.93
33 11 13 23-0032	LF		42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	115.23	19.42
33 11 13 23-0033	LF		48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	144.45	21.81
33 11 13 23-0034			AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0035	LF		14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	28.42	9.91
33 11 13 23-0036	LF		16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	33.59	10.74
33 11 13 23-0037	LF		18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	38.92	11.56
33 11 13 23-0038	LF		20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	45.40	12.56
33 11 13 23-0039	LF		24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	58.10	13.88
33 11 13 23-0040	LF		30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	81.89	16.94
33 11 13 23-0041	LF		36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	106.57	17.93
33 11 13 23-0042	LF		42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	184.21	19.42
33 11 13 23-0043	LF		48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	234.22	21.81
33 11 13 23-0044			AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0045	LF		14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	31.15	9.91
33 11 13 23-0046	LF		16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	37.38	10.74
33 11 13 23-0047	LF		18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	43.62	11.56
33 11 13 23-0048	LF		20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	51.50	12.56
33 11 13 23-0049	LF		24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	66.86	13.88
33 11 13 23-0050	LF		30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	95.05	16.94
33 11 13 23-0051	LF		36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	125.78	17.93
33 11 13 23-0052	LF		42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	160.66	19.42
33 11 13 23-0053	LF		48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	203.56	21.81
33 11 13 23-0054			AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings <small>(33 11 13 23)</small>		
			Note: Includes rubber gaskets.		
33 11 13 23-0055			AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbows		
			<small>(33 11 13 23-0054)</small>		
33 11 13 23-0056	EA		4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	49.78	8.71
			For DR 25, Deduct	-1.94	
33 11 13 23-0057	EA		6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	85.78	9.80
			For DR 25, Deduct	-3.97	
33 11 13 23-0058	EA		8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	146.79	10.89
			For DR 25, Deduct	-7.50	
33 11 13 23-0059	EA		10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	361.10	17.42
			For DR 25, Deduct	-19.58	
33 11 13 23-0060	EA		12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	499.46	29.03
			For DR 25, Deduct	-26.49	
33 11 13 23-0061	EA		14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	609.92	36.28
			For DR 25, Deduct	-32.24	
33 11 13 23-0062	EA		16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 90 Degree Elbow	720.44	43.55
			For DR 25, Deduct	-38.00	
33 11 13 23-0063			AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbows		
			<small>(33 11 13 23-0054)</small>		
33 11 13 23-0064	EA		4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow	55.65	8.71
			For DR 25, Deduct	-2.29	
33 11 13 23-0065	EA		6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow	85.78	9.80
			For DR 25, Deduct	-3.97	
33 11 13 23-0066	EA		8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow	152.68	10.89
			For DR 25, Deduct	-7.85	
33 11 13 23-0067	EA		10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow	418.67	17.42
			For DR 25, Deduct	-23.03	
33 11 13 23-0068	EA		12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow	624.22	29.03
			For DR 25, Deduct	-33.97	
33 11 13 23-0069	EA		14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow	763.50	36.28
			For DR 25, Deduct	-41.45	
33 11 13 23-0070	EA		16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) 45 Degree Elbow	854.79	43.55
			For DR 25, Deduct	-46.06	
33 11 13 23-0071			AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes <small>(33 11 13 23-0054)</small>		
33 11 13 23-0072	EA		4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes.....	57.84	9.80
			For DR 25, Deduct	-2.29	
33 11 13 23-0073	EA		6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes.....	87.96	10.89
			For DR 25, Deduct	-3.97	
33 11 13 23-0074	EA		8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes.....	164.40	12.34
			For DR 25, Deduct	-8.38	
33 11 13 23-0075	EA		10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes.....	337.71	21.77
			For DR 25, Deduct	-17.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0076 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes <i>For DR 25, Deduct</i>	513.58 -25.59	43.55
33 11 13 23-0077 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes <i>For DR 25, Deduct</i>	638.29 -31.77	54.43
33 11 13 23-0078 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Tees Or Wyes <i>For DR 25, Deduct</i>	718.96 -35.30	65.32
33 11 13 23-0079 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Couplings <small>(33 11 13 23-0054)</small>		
33 11 13 23-0080 EA 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling <i>For DR 25, Deduct</i>	46.83 -1.76	8.71
33 11 13 23-0081 EA 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling <i>For DR 25, Deduct</i>	63.72 -2.65	9.80
33 11 13 23-0082 EA 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling <i>For DR 25, Deduct</i>	102.67 -4.85	10.89
33 11 13 23-0083 EA 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling <i>For DR 25, Deduct</i>	255.46 -13.24	17.42
33 11 13 23-0084 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling <i>For DR 25, Deduct</i>	308.29 -15.88	21.77
33 11 13 23-0085 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling <i>For DR 25, Deduct</i>	366.93 -18.53	29.03
33 11 13 23-0086 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Coupling <i>For DR 25, Deduct</i>	410.87 -20.30	36.28
33 11 13 23-0087 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <small>(33 11 13 23-0054)</small>		
33 11 13 23-0088 EA 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <i>For DR 25, Deduct</i>	86.33 -3.09	17.42
33 11 13 23-0089 EA 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <i>For DR 25, Deduct</i>	120.09 -4.85	19.60
33 11 13 23-0090 EA 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <i>For DR 25, Deduct</i>	183.27 -8.38	21.78
33 11 13 23-0091 EA 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <i>For DR 25, Deduct</i>	363.82 -17.65	34.84
33 11 13 23-0092 EA 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <i>For DR 25, Deduct</i>	520.96 -26.03	43.55
33 11 13 23-0093 EA 14" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <i>For DR 25, Deduct</i>	645.57 -31.77	58.06
33 11 13 23-0094 EA 16" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Cross <i>For DR 25, Deduct</i>	733.33 -35.30	72.58
33 11 13 23-0095 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 11 13 23)</small>		
33 11 13 23-0096 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 11 13 23-0095)</small>		
33 11 13 23-0097 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.58 -0.08 0.03	0.58
33 11 13 23-0098 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.73 -0.09 0.04	0.63
33 11 13 23-0099 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.97 -0.10 0.07	0.68
33 11 13 23-0100 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.26 -0.11 0.10	0.76
33 11 13 23-0101 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.81 -0.14 0.18	0.84
33 11 13 23-0102 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.49 -0.17 0.28	0.96
33 11 13 23-0103 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.18 -0.21 0.38	1.08
33 11 13 23-0104 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.77 -0.29 0.62	1.32
33 11 13 23-0105 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	9.57 -0.48 1.34	1.69
33 11 13 23-0106 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	14.89 -0.74 2.27	2.32
33 11 13 23-0107 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	21.90 -1.10 3.53	3.11
33 11 13 23-0108 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	30.37 -1.52 4.98	4.18
33 11 13 23-0109 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0095)</small>		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0110	EA		3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	17.57	6.97
33 11 13 23-0111	EA		1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.15	8.71
33 11 13 23-0112	EA		1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	27.83	10.89
33 11 13 23-0113	EA		1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	37.97	12.05
33 11 13 23-0114	EA		2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	41.45	13.50
33 11 13 23-0115	EA		2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	48.52	15.32
33 11 13 23-0116	EA		3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	54.51	17.24
33 11 13 23-0117	EA		4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	73.23	21.17
33 11 13 23-0118	EA		6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	102.25	26.90
33 11 13 23-0119	EA		8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	158.15	35.31
33 11 13 23-0120	EA		10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	197.90	47.24
33 11 13 23-0121	EA		12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	262.61	63.58
33 11 13 23-0122			45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0095)		
33 11 13 23-0123	EA		3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	17.78	6.97
33 11 13 23-0124	EA		1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.30	8.71
33 11 13 23-0125	EA		1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	27.92	10.89
33 11 13 23-0126	EA		1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	35.23	12.05
33 11 13 23-0127	EA		2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	41.71	13.50
33 11 13 23-0128	EA		2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	49.55	15.32
33 11 13 23-0129	EA		3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	54.07	17.24
33 11 13 23-0130	EA		4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	72.29	21.17
33 11 13 23-0131	EA		6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	100.34	26.90
33 11 13 23-0132	EA		8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	154.52	35.31
33 11 13 23-0133	EA		10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	182.85	47.24
33 11 13 23-0134	EA		12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	241.78	63.58
33 11 13 23-0135			Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0095)		
33 11 13 23-0136	EA		3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	26.34	10.45
33 11 13 23-0137	EA		1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	33.19	13.14
33 11 13 23-0138	EA		1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	41.54	16.41
33 11 13 23-0139	EA		1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	53.58	18.15
33 11 13 23-0140	EA		2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	60.63	20.18
33 11 13 23-0141	EA		2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	70.10	23.01
33 11 13 23-0142	EA		3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	82.93	25.79
33 11 13 23-0143	EA		4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	107.05	31.79
33 11 13 23-0144	EA		6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	166.52	40.41
33 11 13 23-0145	EA		8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	242.84	52.96
33 11 13 23-0146	EA		10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	297.75	74.53
33 11 13 23-0147	EA		12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	378.68	100.29
33 11 13 23-0148			Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0095)		
33 11 13 23-0149	EA		3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	11.75	4.65
33 11 13 23-0150	EA		1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	15.84	6.24
33 11 13 23-0151	EA		1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	21.01	8.20
33 11 13 23-0152	EA		1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.23	9.08
33 11 13 23-0153	EA		2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	30.12	10.09
33 11 13 23-0154	EA		2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	34.27	11.47
33 11 13 23-0155	EA		3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	39.17	12.90
33 11 13 23-0156	EA		4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	52.14	15.86
33 11 13 23-0157	EA		6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	72.31	20.21
33 11 13 23-0158	EA		8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	115.94	26.48
33 11 13 23-0159	EA		10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	142.97	37.31
33 11 13 23-0160	EA		12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	184.57	50.15
33 11 13 23-0161			Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 11 13 23)		
33 11 13 23-0162			Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0161)		
33 11 13 23-0163	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	1.69	0.58
			<i>For >1,000, Deduct</i>	-0.08	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.06	
33 11 13 23-0164	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	1.94	0.63
			<i>For >1,000, Deduct</i>	-0.10	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 11 13 23-0165	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.44	0.76
			<i>For >1,000, Deduct</i>	-0.12	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.14	
33 11 13 23-0166	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.88	0.84
			<i>For >1,000, Deduct</i>	-0.14	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.19	
33 11 13 23-0167	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.60	0.96
			<i>For >1,000, Deduct</i>	-0.18	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.30	
33 11 13 23-0168	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.26	1.08
			<i>For >1,000, Deduct</i>	-0.21	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0169 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	5.58 -0.28	1.32
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.57	
33 11 13 23-0170 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	8.17 -0.41	1.69
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.99	
33 11 13 23-0171 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0161)</small>		
33 11 13 23-0172 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	17.65	6.97
33 11 13 23-0173 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.19	8.71
33 11 13 23-0174 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	30.80	12.05
33 11 13 23-0175 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.64	13.50
33 11 13 23-0176 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	40.87	15.32
33 11 13 23-0177 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	46.14	17.24
33 11 13 23-0178 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	59.22	21.17
33 11 13 23-0179 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	87.24	26.90
33 11 13 23-0180 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0161)</small>		
33 11 13 23-0181 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	17.63	6.97
33 11 13 23-0182 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.18	8.71
33 11 13 23-0183 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	30.81	12.05
33 11 13 23-0184 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.57	13.50
33 11 13 23-0185 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	40.67	15.32
33 11 13 23-0186 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	45.91	17.24
33 11 13 23-0187 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	58.75	21.17
33 11 13 23-0188 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	85.76	26.90
33 11 13 23-0189 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0161)</small>		
33 11 13 23-0190 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	26.42	10.45
33 11 13 23-0191 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	33.25	13.14
33 11 13 23-0192 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	46.11	18.15
33 11 13 23-0193 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	51.72	20.18
33 11 13 23-0194 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	61.42	23.01
33 11 13 23-0195 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	70.15	25.79
33 11 13 23-0196 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	86.94	31.79
33 11 13 23-0197 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	132.28	40.41
33 11 13 23-0198 Couplings, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0161)</small>		
33 11 13 23-0199 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	11.79	4.65
33 11 13 23-0200 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	15.87	6.24
33 11 13 23-0201 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	23.01	9.08
33 11 13 23-0202 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	25.84	10.09
33 11 13 23-0203 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	30.03	11.47
33 11 13 23-0204 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	34.25	12.90
33 11 13 23-0205 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	42.35	15.86
33 11 13 23-0206 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	59.57	20.21
33 11 13 23-0207 Crosses, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0161)</small>		
33 11 13 23-0208 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	35.30	13.94
33 11 13 23-0209 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	44.28	17.49
33 11 13 23-0210 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	61.47	24.17
33 11 13 23-0211 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	68.93	26.93
33 11 13 23-0212 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	81.86	30.63
33 11 13 23-0213 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	93.49	34.41
33 11 13 23-0214 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	115.88	42.34
33 11 13 23-0215 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	176.18	53.86
33 11 13 23-0216 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 11 13 23)</small>		
33 11 13 23-0217 Schedule 80 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0216)</small>		
33 11 13 23-0218 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	2.05 -0.10	0.63
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.12	
33 11 13 23-0219 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	2.67 -0.13	0.76
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.20	
33 11 13 23-0220 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	3.27 -0.16	0.84
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.29	
33 11 13 23-0221 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	4.11 -0.21	0.96
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.43	
33 11 13 23-0222 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	4.96 -0.25	1.08
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.57	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0223 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	6.66 -0.33	1.32
33 11 13 23-0224 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	10.58 -0.53	1.69
33 11 13 23-0225 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0216)</small>		
33 11 13 23-0226 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	22.80	8.71
33 11 13 23-0227 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	30.80	12.05
33 11 13 23-0228 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	35.24	13.50
33 11 13 23-0229 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	42.14	15.32
33 11 13 23-0230 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	47.32	17.24
33 11 13 23-0231 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	59.50	21.17
33 11 13 23-0232 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	85.89	26.90
33 11 13 23-0233 45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0216)</small>		
33 11 13 23-0234 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	25.26	8.71
33 11 13 23-0235 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	33.17	12.05
33 11 13 23-0236 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	37.52	13.50
33 11 13 23-0237 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	46.42	15.32
33 11 13 23-0238 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	52.89	17.24
33 11 13 23-0239 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	70.69	21.17
33 11 13 23-0240 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	85.14	26.90
33 11 13 23-0241 Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0216)</small>		
33 11 13 23-0242 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	34.51	13.14
33 11 13 23-0243 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	49.94	18.15
33 11 13 23-0244 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	56.28	20.18
33 11 13 23-0245 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	63.83	23.01
33 11 13 23-0246 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	72.46	25.79
33 11 13 23-0247 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	88.61	31.79
33 11 13 23-0248 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	132.22	40.41
33 11 13 23-0249 Couplings, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0216)</small>		
33 11 13 23-0250 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	16.77	6.24
33 11 13 23-0251 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	24.56	9.08
33 11 13 23-0252 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.30	10.09
33 11 13 23-0253 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	33.76	11.47
33 11 13 23-0254 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	38.02	12.90
33 11 13 23-0255 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	46.92	15.86
33 11 13 23-0256 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	65.96	20.21
33 11 13 23-0257 Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0216)</small>		
33 11 13 23-0258 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross	45.95	17.49
33 11 13 23-0259 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	66.54	24.17
33 11 13 23-0260 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross	74.99	26.93
33 11 13 23-0261 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	85.06	30.63
33 11 13 23-0262 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross	96.56	34.41
33 11 13 23-0263 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross	118.09	42.34
33 11 13 23-0264 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross	176.10	53.86
33 11 13 26 Galvanized Steel Public Water Utility Distribution Piping <small>(33 11 13)</small> See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 11 13 36 Steel Public Water Utility Distribution Piping <small>(33 11 13)</small>		
33 11 13 36-0001 Steel Piping <small>(33 11 13 36)</small>		
33 11 13 36-0002 Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0001)</small> Note: ASTM A252 steel pipe.		
33 11 13 36-0003 3/16" To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	42.87 -2.14	19.74
33 11 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	46.99 -2.35	19.74
33 11 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	48.85 -2.44	21.54
33 11 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	54.06 -2.70	21.54
33 11 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	55.26 -2.76	22.57
33 11 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	59.32 -2.97	22.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	84.60	24.94
<i>For >1,000, Deduct</i>	-4.23	
33 11 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	67.56	24.94
<i>For >1,000, Deduct</i>	-3.38	
33 11 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	68.11	26.34
<i>For >1,000, Deduct</i>	-3.41	
33 11 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	70.61	26.34
<i>For >1,000, Deduct</i>	-3.53	
33 11 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	81.09	29.63
<i>For >1,000, Deduct</i>	-4.05	
33 11 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	85.19	29.63
<i>For >1,000, Deduct</i>	-4.26	
33 11 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	70.59	37.93
<i>For >1,000, Deduct</i>	-3.53	
33 11 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	81.44	41.72
<i>For >1,000, Deduct</i>	-4.07	
33 11 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	88.71	43.62
<i>For >1,000, Deduct</i>	-4.44	
33 11 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	99.98	49.31
<i>For >1,000, Deduct</i>	-5.00	
33 11 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	102.76	49.31
<i>For >1,000, Deduct</i>	-5.14	
33 11 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	105.33	49.31
<i>For >1,000, Deduct</i>	-5.27	
33 11 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	108.30	49.31
<i>For >1,000, Deduct</i>	-5.42	
33 11 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	124.91	56.89
<i>For >1,000, Deduct</i>	-6.25	
33 11 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	134.08	56.89
<i>For >1,000, Deduct</i>	-6.70	
33 11 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	156.59	56.89
<i>For >1,000, Deduct</i>	-7.83	
33 11 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	151.97	66.38
<i>For >1,000, Deduct</i>	-7.60	
33 11 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	155.73	66.38
<i>For >1,000, Deduct</i>	-7.79	
33 11 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	191.11	66.38
<i>For >1,000, Deduct</i>	-9.56	
33 11 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	171.43	66.38
<i>For >1,000, Deduct</i>	-8.57	
33 11 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	202.38	79.65
<i>For >1,000, Deduct</i>	-10.12	
33 11 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	229.83	79.65
<i>For >1,000, Deduct</i>	-11.49	
33 11 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	222.97	79.65
<i>For >1,000, Deduct</i>	-11.15	
33 11 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	316.20	89.13
<i>For >1,000, Deduct</i>	-15.81	
33 11 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	218.33	89.13
<i>For >1,000, Deduct</i>	-10.92	
33 11 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	361.13	100.51
<i>For >1,000, Deduct</i>	-18.06	
33 11 13 36-0037 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	385.53	113.79
<i>For >1,000, Deduct</i>	-19.28	
33 11 13 36-0038 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	241.40	100.51
<i>For >1,000, Deduct</i>	-12.07	
33 11 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	416.80	113.79
<i>For >1,000, Deduct</i>	-20.84	
33 11 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	470.24	132.75
<i>For >1,000, Deduct</i>	-23.51	
33 11 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	359.08	132.75
<i>For >1,000, Deduct</i>	-17.95	
33 11 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	443.70	108.83
<i>For >1,000, Deduct</i>	-22.19	
33 11 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	694.74	108.83
<i>For >1,000, Deduct</i>	-34.74	
33 11 13 36-0044 Dresser Couplings For Plain End Welded Steel Pipe <small>(33 11 13 36-0001)</small>		
33 11 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	86.38	19.46
33 11 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	125.96	37.42
33 11 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	167.60	49.40
33 11 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	267.89	74.84
33 11 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	351.25	94.29
33 11 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	480.25	112.25
33 11 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	569.35	140.69
33 11 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	594.41	140.69
33 11 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	647.60	149.67
33 11 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	686.48	149.67
33 11 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	774.49	194.57

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe	942.97	194.57
33 11 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe	1,177.66	224.50
33 11 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe	1,325.98	224.50
33 11 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe	1,596.63	284.37
33 11 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe	1,763.67	284.37
33 11 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe	2,058.75	374.17
33 11 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe	2,179.71	374.17
33 11 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe	2,725.24	568.74
33 11 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe	3,023.32	568.74
33 11 13 36-0065 Pipe Coatings (33 11 13 36-0001)		
33 11 13 36-0066 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 11 13 36-0065)		
33 11 13 36-0067 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	2.50	
33 11 13 36-0068 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	2.98	
33 11 13 36-0069 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.51	
33 11 13 36-0070 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.67	
33 11 13 36-0071 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.32	
33 11 13 36-0072 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.60	
33 11 13 36-0073 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.03	
33 11 13 36-0074 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.02	
33 11 13 36-0075 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	9.22	
33 11 13 36-0076 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	14.57	
33 11 13 36-0077 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	31.40	
33 11 13 36-0078 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	35.89	
33 11 13 36-0079 LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	40.38	
33 11 13 36-0080 LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	44.86	
33 11 13 36-0081 LF 66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	49.35	
33 11 13 36-0082 LF 72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	53.81	
33 11 13 36-0083 LF 78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	58.32	
33 11 13 39 Copper Public Water Utility Distribution Piping (33 11 13)		
33 11 13 39-0001 Type K Copper Water Distribution Piping (33 11 13 39)		
See CSI section 23 05 23 00-0001 for gate valve at tap.		
33 11 13 39-0002 LF 1/2" Type K Copper Water Distribution Pipe	5.20	1.44
33 11 13 39-0003 LF 3/4" Type K Copper Water Distribution Pipe	6.93	1.61
33 11 13 39-0004 LF 1" Type K Copper Water Distribution Pipe	8.90	1.79
33 11 13 39-0005 LF 1-1/4" Type K Copper Water Distribution Pipe	10.56	2.15
33 11 13 39-0006 LF 1-1/2" Type K Copper Water Distribution Pipe	13.32	2.86
33 11 13 39-0007 LF 2" Type K Copper Water Distribution Pipe	18.55	3.57
33 11 13 39-0008 LF 2-1/2" Type K Copper Water Distribution Pipe	26.89	4.30
33 11 13 39-0009 LF 3" Type K Copper Water Distribution Pipe	35.04	4.72
33 11 13 39-0010 LF 3-1/2" Type K Copper Water Distribution Pipe	46.30	5.94
33 11 13 39-0011 LF 4" Type K Copper Water Distribution Pipe	59.11	7.51
33 11 13 39-0012 LF 5" Type K Copper Water Distribution Pipe	132.76	9.38
33 11 13 39-0013 LF 6" Type K Copper Water Distribution Pipe	185.90	11.31
33 11 13 39-0014 LF 8" Type K Copper Water Distribution Pipe	329.75	12.66
33 11 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 11 13)		
33 11 13 43-0001 Pipe Coatings And Wraps (33 11 13 43)		
33 11 13 43-0002 8 Mil Polyethylene Encasement Tubing (33 11 13 43-0001)		
Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 11 13 43-0003 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.52	
33 11 13 43-0004 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	0.90	
33 11 13 43-0005 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.14	
33 11 13 43-0006 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	1.45	
33 11 13 43-0007 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing	2.05	
33 11 13 43-0008 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing	2.66	
33 11 13 43-0009 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	3.38	
33 11 13 43-0010 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing	4.03	
33 11 13 43-0011 LF 54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing	5.05	
33 11 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 11 13)		
33 11 13 53-0001 Double Stud Stainless Steel Service Saddles (33 11 13 53)		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 11 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048004 To 048009)	191.63	
33 11 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048010 To 048013)	267.46	
33 11 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048014 To 048015)	285.15	
33 11 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069004 To 069009)	232.36	
33 11 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069010 To 069015)	295.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090504 To 090509)	242.24	
33 11 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090510 To 090515)	308.73	
33 11 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111004 To 111009)	274.47	
33 11 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111010 To 111015)	325.19	
33 11 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132004 To 132009)	285.79	
33 11 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132010 To 132015)	334.59	
33 11 13 53-0013	Double Bale Epoxy Coated Ductile Iron Body Service Saddles <small>(33 11 13 53)</small>	
Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 11 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	158.04	
33 11 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	158.18	
33 11 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	168.16	
33 11 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	161.45	
33 11 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	172.86	
33 11 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	193.02	
33 11 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	205.49	
33 11 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	184.90	
33 11 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	204.70	
33 11 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	214.34	
33 11 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	196.66	
33 11 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	217.74	
33 11 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	227.08	
33 11 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	207.24	
33 11 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	227.58	
33 11 13 53-0029 EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	237.64	
33 11 13 53-0030 EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	336.08	
33 11 13 53-0031 EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	378.39	
33 11 13 53-0032 EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	229.53	
33 11 13 53-0033 EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	251.03	
33 11 13 53-0034 EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	261.83	
33 11 13 53-0035 EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	443.32	
33 11 13 53-0036 EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	256.38	
33 11 13 53-0037 EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	287.07	
33 11 13 53-0038 EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	499.54	
33 11 13 53-0039 EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	281.03	
33 11 13 53-0040 EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	313.64	
33 11 13 53-0041 EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	324.41	
33 11 13 53-0042 EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	562.33	
33 11 13 53-0043 EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	332.39	
33 11 13 53-0044 EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	366.13	
33 11 13 53-0045 EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	389.43	
33 11 13 53-0046 EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	703.54	
33 11 13 53-0047 EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	343.03	
33 11 13 53-0048 EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	396.39	
33 11 13 53-0049 EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	412.98	
33 11 13 53-0050 EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	758.69	
33 11 13 53-0051 EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	365.69	
33 11 13 53-0052 EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	434.49	
33 11 13 53-0053 EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	451.28	
33 11 13 53-0054 EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	812.76	
33 11 13 53-0055 EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	401.13	
33 11 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	478.41	
33 11 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	463.72	
33 11 13 53-0058 EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	515.56	
33 11 13 53-0059 EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	484.81	
33 11 13 53-0060 EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	551.32	
33 11 13 53-0061	Double Bale Bronze Service Saddles <small>(33 11 13 53)</small>	
33 11 13 53-0062 EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	324.04	
33 11 13 53-0063 EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	344.96	
33 11 13 53-0064 EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	354.82	
33 11 13 53-0065 EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	376.29	
33 11 13 53-0066 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	398.82	
33 11 13 53-0067 EA 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	414.25	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 11 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	453.46	
33 11 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	475.47	
33 11 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	490.55	
33 11 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	527.53	
33 11 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	633.69	
33 11 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	667.38	
33 11 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	702.57	
33 11 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	745.07	
33 11 13 53-0076	EA	18" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	795.85	
33 11 13 53-0077	EA	18" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	850.07	
33 11 13 53-0078	EA	20" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	974.15	
33 11 13 53-0079	EA	20" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	1,059.48	

33 11 13 53-0080 Stainless Steel Double Straps, Bronze Body Service Saddle (33 11 13 53)

Note: Taps are compression or NPT.

33 11 13 53-0081	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	345.99	
33 11 13 53-0082	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	368.42	
33 11 13 53-0083	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	378.47	
33 11 13 53-0084	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	401.52	
33 11 13 53-0085	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	426.75	
33 11 13 53-0086	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	443.03	
33 11 13 53-0087	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	486.94	
33 11 13 53-0088	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	510.60	
33 11 13 53-0089	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	527.49	
33 11 13 53-0090	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	567.91	
33 11 13 53-0091	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	686.82	
33 11 13 53-0092	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	723.55	
33 11 13 53-0093	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	761.97	
33 11 13 53-0094	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	808.57	
33 11 13 53-0095	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	865.44	
33 11 13 53-0096	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	925.17	
33 11 13 53-0097	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	1,064.14	
33 11 13 53-0098	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	1,140.80	

33 11 13 53-0099 Ductile Iron Mechanical Joint Tapping Sleeve (33 11 13 53)

33 11 13 53-0100	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,016.31	
33 11 13 53-0101	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,226.33	
33 11 13 53-0102	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,468.01	
33 11 13 53-0103	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,555.01	
33 11 13 53-0104	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,385.59	
33 11 13 53-0105	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,507.82	
33 11 13 53-0106	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,559.56	
33 11 13 53-0107	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,510.17	
33 11 13 53-0108	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,631.90	
33 11 13 53-0109	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,930.24	
33 11 13 53-0110	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,005.07	
33 11 13 53-0111	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,162.67	
33 11 13 53-0112	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,209.05	
33 11 13 53-0113	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,270.31	
33 11 13 53-0114	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,295.93	
33 11 13 53-0115	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,490.52	
33 11 13 53-0116	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,479.91	
33 11 13 53-0117	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,585.91	
33 11 13 53-0118	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,650.54	
33 11 13 53-0119	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,685.93	
33 11 13 53-0120	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,725.01	
33 11 13 53-0121	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,938.52	
33 11 13 53-0122	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,003.89	
33 11 13 53-0123	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,646.93	
33 11 13 53-0124	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,996.23	
33 11 13 53-0125	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,091.39	
33 11 13 53-0126	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,382.91	
33 11 13 53-0127	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,135.82	
33 11 13 53-0128	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,868.35	
33 11 13 53-0129	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,000.82	
33 11 13 53-0130	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,051.82	
33 11 13 53-0131	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,310.68	
33 11 13 53-0132	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,927.48	
33 11 13 53-0133	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,117.92	
33 11 13 53-0134	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,631.63	
33 11 13 53-0135	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,750.40	
33 11 13 53-0136	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,783.57	
33 11 13 53-0137	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,216.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11	13 53-0138	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,372.98	
33 11	13 53-0139	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,406.20	
33 11	13 53-0140	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,747.81	
33 11	13 53-0141	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,908.82	
33 11	13 53-0142		Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve <small>(33 11 13 53)</small>		
33 11	13 53-0143	EA	4" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	966.15	
33 11	13 53-0144	EA	6" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,010.75	
33 11	13 53-0145	EA	6" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,113.52	
33 11	13 53-0146	EA	8" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,133.18	
33 11	13 53-0147	EA	8" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,181.31	
33 11	13 53-0148	EA	8" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,378.60	
33 11	13 53-0149	EA	10" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,229.69	
33 11	13 53-0150	EA	10" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,276.44	
33 11	13 53-0151	EA	10" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,449.09	
33 11	13 53-0152	EA	10" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,078.38	
33 11	13 53-0153	EA	12" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,372.47	
33 11	13 53-0154	EA	12" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,443.87	
33 11	13 53-0155	EA	12" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,613.67	
33 11	13 53-0156	EA	12" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,236.69	
33 11	13 53-0157	EA	12" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,391.23	
33 11	13 53-0158	EA	14" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,844.43	
33 11	13 53-0159	EA	14" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,902.45	
33 11	13 53-0160	EA	14" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,273.79	
33 11	13 53-0161	EA	14" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,814.17	
33 11	13 53-0162	EA	14" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,033.84	
33 11	13 53-0163	EA	16" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,206.64	
33 11	13 53-0164	EA	16" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,266.72	
33 11	13 53-0165	EA	16" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,510.49	
33 11	13 53-0166	EA	16" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,173.70	
33 11	13 53-0167	EA	16" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,325.78	
33 11	13 53-0168	EA	18" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,365.67	
33 11	13 53-0169	EA	18" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,424.71	
33 11	13 53-0170	EA	18" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,649.70	
33 11	13 53-0171	EA	18" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,366.70	
33 11	13 53-0172	EA	18" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,518.60	
33 11	13 53-0173	EA	20" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,726.38	
33 11	13 53-0174	EA	20" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,787.03	
33 11	13 53-0175	EA	20" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,144.28	
33 11	13 53-0176	EA	20" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,872.32	
33 11	13 53-0177	EA	20" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,888.93	
33 11	13 53-0178	EA	24" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,940.74	
33 11	13 53-0179	EA	24" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,000.69	
33 11	13 53-0180	EA	24" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,368.54	
33 11	13 53-0181	EA	24" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,104.98	
33 11	13 53-0182	EA	24" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,256.99	
33 11	13 53-0183		Stainless Steel Flange, Stainless Steel Tapping Sleeve <small>(33 11 13 53)</small>		
33 11	13 53-0184	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,137.95	
33 11	13 53-0185	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,227.72	
33 11	13 53-0186	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,302.58	
33 11	13 53-0187	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,314.69	
33 11	13 53-0188	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,401.86	
33 11	13 53-0189	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,674.37	
33 11	13 53-0190	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,510.68	
33 11	13 53-0191	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,608.01	
33 11	13 53-0192	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,851.64	
33 11	13 53-0193	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,561.89	
33 11	13 53-0194	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,717.40	
33 11	13 53-0195	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,852.29	
33 11	13 53-0196	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,176.11	
33 11	13 53-0197	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,599.87	
33 11	13 53-0198	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,922.41	
33 11	13 53-0199	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,007.50	
33 11	13 53-0200	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,124.91	
33 11	13 53-0201	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,490.30	
33 11	13 53-0202	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,914.49	
33 11	13 53-0203	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,135.97	
33 11	13 53-0204	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,413.09	
33 11	13 53-0205	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,643.41	
33 11	13 53-0206	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,817.47	
33 11	13 53-0207	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,274.02	
33 11	13 53-0208	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,581.76	
33 11	13 53-0209	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,644.09	
33 11	13 53-0210	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,991.38	
33 11	13 53-0211	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,173.30	
33 11	13 53-0212	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,573.73	
33 11	13 53-0213	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,105.50	
33 11	13 53-0214	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,835.84	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0215 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,182.22	
33 11 13 53-0216 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,328.88	
33 11 13 53-0217 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,079.33	
33 11 13 53-0218 EA 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,494.32	
33 11 13 53-0219 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,128.81	
33 11 13 53-0220 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,206.77	
33 11 13 53-0221 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,539.84	
33 11 13 53-0222 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,246.86	
33 11 13 53-0223 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,458.76	
33 11 13 53-0224 Ductile Iron Body, Flanged Coupling Adapter (33 11 13 53)		
33 11 13 53-0225 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	403.05	101.14
33 11 13 53-0226 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	465.50	101.14
33 11 13 53-0227 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	552.46	101.14
33 11 13 53-0228 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	701.84	101.14
33 11 13 53-0229 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,147.65	101.14
33 11 13 53-0230 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,259.31	101.14
33 11 13 53-0231 Steel Body, Flanged Coupling Adapter (33 11 13 53)		
33 11 13 53-0232 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,026.72	101.14
33 11 13 53-0233 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,163.30	101.14
33 11 13 53-0234 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,486.01	101.14
33 11 13 53-0235 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,808.77	101.14
33 11 13 53-0236 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,230.83	101.14
33 11 13 53-0237 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,597.03	101.14
33 11 13 53-0238 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	3,124.51	101.14
33 11 13 53-0239 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	3,751.39	101.14
33 11 13 53-0240 Ductile Iron Body, Omni Coupling System (33 11 13 53)		
33 11 13 53-0241 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	97.75	30.33
33 11 13 53-0242 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	119.97	30.33
33 11 13 53-0243 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	147.47	43.59
33 11 13 53-0244 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	186.09	54.96
33 11 13 53-0245 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	249.30	75.82
33 11 13 53-0246 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	301.62	89.09
33 11 13 53-0247 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	372.32	100.46
33 11 13 53-0248 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	433.85	113.72
33 11 13 53-0249 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	597.44	125.10
33 11 13 53-0250 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	734.69	136.47
33 12 Water Utility Distribution Equipment (33 10)		
33 12 13 Water Service Connections (33 12)		
See CSI section 22 11 19 00-0138 for backflow preventer assemblies.		
33 12 13 23 Water Service Hydrants (33 12 13)		
33 12 13 23-0001 Yard Hydrants (33 12 13 23)		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0002 EA 2" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	167.92	24.38
33 12 13 23-0003 EA 4" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	177.43	24.38
33 12 13 23-0004 EA 6" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	186.94	24.38
33 12 13 23-0005 EA 2" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	213.77	30.89
33 12 13 23-0006 EA 4" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	223.34	30.89
33 12 13 23-0007 EA 6" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	232.90	30.89
33 12 13 23-0008 Sanitary Yard Hydrants (33 12 13 23)		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0009 EA 2" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	633.81	50.81
33 12 13 23-0010 EA 4" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	663.53	50.81
33 12 13 23-0011 EA 6" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	693.25	50.81
33 12 13 23-0012 Flushing Hydrants (33 12 13 23)		
33 12 13 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	448.44	31.42
33 12 16 Water Utility Distribution Valves (33 12)		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0509 for bolt and gasket sets.		
33 12 16 00-0001 Water Utility Distribution Valves (33 12 16)		
33 12 16 00-0002 Angle Valves (33 12 16 00-0001)		
Note: For connecting meters to water service.		
33 12 16 00-0003 Threaded, Class 150, Bronze Angle Valve (33 12 16 00-0002)		
Note: Nibco T-335Y		
33 12 16 00-0004 EA 1/2" Threaded, Class 150, Bronze Angle Valve	48.24	13.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0005 EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	65.05	17.48
33 12 16 00-0006 EA 1" Threaded, Class 150, Bronze Angle Valve.....	85.06	21.55
33 12 16 00-0007 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	109.05	27.07
33 12 16 00-0008 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	133.45	31.30
33 12 16 00-0009 EA 2" Threaded, Class 150, Bronze Angle Valve.....	188.85	36.59
33 12 16 00-0010 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	292.63	49.92
33 12 16 00-0011 EA 3" Threaded, Class 150, Bronze Angle Valve.....	425.02	57.63
33 12 16 00-0012 Butterfly Valves (33 12 16 00-0001)		
33 12 16 00-0013 Iron Body, Iron Disc Butterfly Valve (33 12 16 00-0012)		
Note: AWWA C504, ANSI Class 125/150, flanged or mechanical joint connection, Buna seat material, and 304 stainless steel shaft with 8" diameter handwheel operator.		
33 12 16 00-0014 EA 4" Iron Body, Iron Disc Butterfly Valve.....	970.50	137.32
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0015 EA 6" Iron Body, Iron Disc Butterfly Valve.....	1,095.83	145.11
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0016 EA 8" Iron Body, Iron Disc Butterfly Valve.....	1,619.67	217.67
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0017 EA 10" Iron Body, Iron Disc Butterfly Valve.....	1,784.82	290.23
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0018 EA 12" Iron Body, Iron Disc Butterfly Valve.....	2,001.26	307.42
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0019 EA 14" Iron Body, Iron Disc Butterfly Valve.....	2,607.19	405.66
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0020 EA 16" Iron Body, Iron Disc Butterfly Valve.....	3,121.42	435.26
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0021 EA 18" Iron Body, Iron Disc Butterfly Valve.....	3,823.79	455.29
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0022 EA 20" Iron Body, Iron Disc Butterfly Valve.....	4,396.46	498.75
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0023 EA 24" Iron Body, Iron Disc Butterfly Valve.....	6,129.21	613.68
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0024 EA 30" Iron Body, Iron Disc Butterfly Valve.....	12,648.83	979.00
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0025 EA 36" Iron Body, Iron Disc Butterfly Valve.....	16,249.76	1,956.47
For 8" Diameter Chain Wheel Actuator, Add	150.00	
33 12 16 00-0026 EA 42" Iron Body, Iron Disc Butterfly Valve.....	20,887.90	2,279.57
For 8" Diameter Chain Wheel Actuator, Add	300.00	
33 12 16 00-0027 EA 48" Iron Body, Iron Disc Butterfly Valve.....	30,929.95	2,584.81
For 8" Diameter Chain Wheel Actuator, Add	300.00	
33 12 16 00-0028 Check Valves (33 12 16 00-0001)		
33 12 16 00-0029 Flanged, Swing Type Gravity Operated Check Valves (33 12 16 00-0028)		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 12 16 00-0030 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	619.16	101.03
33 12 16 00-0031 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	661.07	119.73
33 12 16 00-0032 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	836.83	160.90
33 12 16 00-0033 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,156.41	183.34
33 12 16 00-0034 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,247.74	209.54
33 12 16 00-0035 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,152.21	187.09
33 12 16 00-0036 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,465.27	205.80
33 12 16 00-0037 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,531.01	224.51
33 12 16 00-0038 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,587.80	224.51
33 12 16 00-0039 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,567.17	261.92
33 12 16 00-0040 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	3,827.15	314.31
33 12 16 00-0041 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,312.74	394.37
33 12 16 00-0042 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	7,016.79	442.66
33 12 16 00-0043 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,064.89	490.95
33 12 16 00-0044 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	11,702.26	553.33
33 12 16 00-0045 Combination Air Release Valves (33 12 16 00-0001)		
33 12 16 00-0046 EA 1" Combination Air Release Valve.....	421.11	15.71
33 12 16 00-0047 EA 2" Combination Air Release Valve.....	679.66	26.94
33 12 16 00-0048 Corporation Stop And Curb Valve (33 12 16 00-0001)		
Note: AWWA C800		
33 12 16 00-0049 Ball Corporation Valves (33 12 16 00-0048)		
Note: Mueller B-25000.		
33 12 16 00-0050 EA 3/4" Ball Corporation Valve.....	66.13	15.71
33 12 16 00-0051 EA 1" Ball Corporation Valve.....	83.25	19.46
33 12 16 00-0052 EA 1-1/2" Ball Corporation Valve.....	151.93	28.44
33 12 16 00-0053 EA 2" Ball Corporation Valve.....	232.81	33.67
33 12 16 00-0054 Gate Valve, AWWA C500 And C509 (33 12 16 00-0001)		

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 12 16 00-0055 Gate Valve, Flanged (33 12 16 00-0054)			
Note: Mueller A-2380-6.			
33 12 16 00-0056	EA 2" Gate Valve, Flanged	395.99	79.70
33 12 16 00-0057	EA 2-1/2" Gate Valve, Flanged	482.32	99.90
33 12 16 00-0058	EA 3" Gate Valve, Flanged	576.98	119.73
33 12 16 00-0059	EA 4" Gate Valve, Flanged	693.44	159.40
33 12 16 00-0060	EA 6" Gate Valve, Flanged	875.00	187.09
33 12 16 00-0061	EA 8" Gate Valve, Flanged	1,231.63	224.51
33 12 16 00-0062	EA 10" Gate Valve, Flanged	1,767.52	261.92
33 12 16 00-0063	EA 12" Gate Valve, Flanged	2,130.17	314.31
33 12 16 00-0064	EA 14" Gate Valve, Flanged	4,374.85	394.37
33 12 16 00-0065	EA 16" Gate Valve, Flanged	5,677.41	442.66
33 12 16 00-0066	EA 18" Gate Valve, Flanged	8,827.33	490.95
33 12 16 00-0067	EA 20" Gate Valve, Flanged	10,527.22	553.33
33 12 16 00-0068 Resilient Wedge Gate Valve, Flanged (33 12 16 00-0054)			
Note: Mueller A-2360-6.			
33 12 16 00-0069	EA 2" Resilient Wedge Gate Valve, Flanged	382.61	79.70
33 12 16 00-0070	EA 2-1/2" Resilient Wedge Gate Valve, Flanged	466.33	99.90
33 12 16 00-0071	EA 3" Resilient Wedge Gate Valve, Flanged	558.00	120.86
33 12 16 00-0072	EA 4" Resilient Wedge Gate Valve, Flanged	672.23	159.40
33 12 16 00-0073	EA 6" Resilient Wedge Gate Valve, Flanged	846.64	187.09
33 12 16 00-0074	EA 8" Resilient Wedge Gate Valve, Flanged	1,187.34	224.51
33 12 16 00-0075	EA 10" Resilient Wedge Gate Valve, Flanged	1,697.13	261.92
33 12 16 00-0076	EA 12" Resilient Wedge Gate Valve, Flanged	2,045.18	314.31
33 12 16 00-0077 Gate Valve, Mechanical Joint (33 12 16 00-0054)			
Note: Mueller A-2380-20.			
33 12 16 00-0078	EA 2" Gate Valve, Mechanical Joint	429.33	79.70
33 12 16 00-0079	EA 2-1/2" Gate Valve, Mechanical Joint	476.87	99.90
33 12 16 00-0080	EA 3" Gate Valve, Mechanical Joint	595.14	120.86
33 12 16 00-0081	EA 4" Gate Valve, Mechanical Joint	723.06	159.40
33 12 16 00-0082	EA 6" Gate Valve, Mechanical Joint	897.47	187.09
33 12 16 00-0083	EA 8" Gate Valve, Mechanical Joint	1,263.10	224.51
33 12 16 00-0084	EA 10" Gate Valve, Mechanical Joint	1,789.00	261.92
33 12 16 00-0085	EA 12" Gate Valve, Mechanical Joint	2,227.72	314.31
33 12 16 00-0086	EA 14" Gate Valve, Mechanical Joint	4,640.88	394.37
33 12 16 00-0087	EA 16" Gate Valve, Mechanical Joint	5,949.95	442.66
33 12 16 00-0088	EA 18" Gate Valve, Mechanical Joint	9,314.04	490.95
33 12 16 00-0089	EA 20" Gate Valve, Mechanical Joint	11,053.93	553.33
33 12 16 00-0090 Resilient Wedge Gate Valve, Mechanical Joint (33 12 16 00-0054)			
Note: Mueller A-2360-20.			
33 12 16 00-0091	EA 2" Resilient Wedge Gate Valve, Mechanical Joint	414.05	79.70
33 12 16 00-0092	EA 3" Resilient Wedge Gate Valve, Mechanical Joint	575.13	120.86
33 12 16 00-0093	EA 4" Resilient Wedge Gate Valve, Mechanical Joint	700.17	159.40
33 12 16 00-0094	EA 6" Resilient Wedge Gate Valve, Mechanical Joint	867.86	187.09
33 12 16 00-0095	EA 8" Resilient Wedge Gate Valve, Mechanical Joint	1,217.03	224.51
33 12 16 00-0096	EA 10" Resilient Wedge Gate Valve, Mechanical Joint	1,717.39	261.92
33 12 16 00-0097	EA 12" Resilient Wedge Gate Valve, Mechanical Joint	2,137.19	314.31
33 12 16 00-0098 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 12 16 00-0054)			
Note: Mueller A-2361.			
33 12 16 00-0099	EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,150.79	394.37
33 12 16 00-0100	EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,532.93	442.66
33 12 16 00-0101	EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	6,953.02	490.95
33 12 16 00-0102	EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,277.81	553.33
33 12 16 00-0103	EA 24" Resilient Wedge Gate Valve, Mechanical Joint X FL	13,619.55	643.87
33 12 16 00-0104 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 12 16 00-0054)			
Note: NIBCO T-113.			
33 12 16 00-0105	EA 1/4" Gate Valve, Bronze, Threaded	32.55	13.09
33 12 16 00-0106	EA 3/8" Gate Valve, Bronze, Threaded	33.80	13.09
33 12 16 00-0107	EA 1/2" Gate Valve, Bronze, Threaded	34.27	13.09
33 12 16 00-0108	EA 3/4" Gate Valve, Bronze, Threaded	44.92	17.68
33 12 16 00-0109	EA 1" Gate Valve, Bronze, Threaded	54.98	21.38
33 12 16 00-0110	EA 1-1/4" Gate Valve, Bronze, Threaded	72.72	27.07
33 12 16 00-0111	EA 1-1/2" Gate Valve, Bronze, Threaded	84.19	31.30
33 12 16 00-0112	EA 2" Gate Valve, Bronze, Threaded	101.16	36.59
33 12 16 00-0113	EA 2-1/2" Gate Valve, Bronze, Threaded	173.15	49.92
33 12 16 00-0114	EA 3" Gate Valve, Bronze, Threaded	205.27	57.25
33 12 16 00-0115 Globe Valve, AWWA (33 12 16 00-0001)			



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0116				Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 12 16 00-0115) Note: NIBCO T-235.		
33 12 16 00-0117	EA			1/8" Globe Valve, Threaded.....	42.32	13.09
33 12 16 00-0118	EA			1/4" Globe Valve, Threaded.....	39.81	13.09
33 12 16 00-0119	EA			3/8" Globe Valve, Threaded.....	41.06	13.09
33 12 16 00-0120	EA			1/2" Globe Valve, Threaded.....	42.32	13.09
33 12 16 00-0121	EA			3/4" Globe Valve, Threaded.....	57.37	17.68
33 12 16 00-0122	EA			1" Globe Valve, Threaded.....	77.00	21.38
33 12 16 00-0123	EA			1-1/4" Globe Valve, Threaded.....	108.30	27.07
33 12 16 00-0124	EA			1-1/2" Globe Valve, Threaded.....	128.19	31.30
33 12 16 00-0125	EA			2" Globe Valve, Threaded.....	171.68	36.59
33 12 16 00-0126	EA			2-1/2" Globe Valve, Threaded.....	297.50	49.92
33 12 16 00-0127	EA			3" Globe Valve, Threaded.....	396.35	57.55
33 12 16 00-0128				Tapping Valve, AWWA C500 And C509 (33 12 16 00-0001)		
33 12 16 00-0129				Tapping Valve, AWWA C500 And C509 (33 12 16 00-0128) Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 12 16 00-0130	EA			2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	563.96	99.90
33 12 16 00-0131	EA			3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	711.76	120.86
33 12 16 00-0132	EA			4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	823.64	159.40
33 12 16 00-0133	EA			6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,073.95	187.09
33 12 16 00-0134	EA			8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,486.78	224.51
33 12 16 00-0135	EA			10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,077.59	261.92
33 12 16 00-0136	EA			12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,003.28	314.31
33 12 16 00-0137	EA			14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,272.92	394.37
33 12 16 00-0138	EA			16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	6,628.40	442.66
33 12 16 00-0139	EA			18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,513.59	491.75
33 12 16 00-0140				Accessories For Valves (33 12 16)		
33 12 16 00-0141	EA			1' Valve Extension Stem.....	67.99	
				<i>For Each Additional LF, Add</i>	<i>4.70</i>	
33 12 16 00-0142	EA			Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	840.65	74.84
				Note: Excludes valve.		
33 12 16 00-0143	EA			>80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	952.11	82.31
				Note: Excludes valve.		
33 12 16 00-0144				Roadway Or Curb Valve Boxes (33 12 16)		
				See CSI section 22 05 19 00-0000 for metering.		
33 12 16 00-0145				Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 12 16 00-0144)		
33 12 16 00-0146	EA			36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	140.52	9.88
				Note: Includes cover, top section and bottom section.		
33 12 16 00-0147	EA			36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	162.59	9.88
				Note: Includes cover, top section and bottom section.		
33 12 16 00-0148	EA			42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	163.61	9.88
				Note: Includes cover, top section and bottom section.		
33 12 16 00-0149	EA			9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	43.06	4.94
33 12 16 00-0150	EA			16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	48.90	4.94
33 12 16 00-0151	EA			24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	57.69	4.94
33 12 16 00-0152	EA			36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	210.83	12.35
				Note: Includes cover, top section and bottom section.		
33 12 16 00-0153	EA			45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	363.46	17.28
				Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0154	EA			45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	404.61	17.28
				Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0155	EA			24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	219.00	12.35
				Note: Includes cover, top section and bottom section.		
33 12 16 00-0156	EA			36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	228.83	12.35
				Note: Includes cover, top section and bottom section.		
33 12 16 00-0157	EA			24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	221.32	12.35
				Note: Includes cover, top section and bottom section.		
33 12 16 00-0158	EA			12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	80.41	4.94
33 12 16 00-0159	EA			18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	137.43	20.33
33 12 16 00-0160	EA			22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	141.90	21.13
33 12 16 00-0161	EA			30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	157.88	21.95
33 12 16 00-0162	EA			36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	214.46	23.17
33 12 16 00-0163	EA			48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	257.85	24.38
33 12 16 00-0164	EA			18" Cast Iron Service Box Extension Section.....	59.94	
33 12 16 00-0165				Plastic Roadway Grade Water Meter Box And Cover (33 12 16 00-0144)		
33 12 16 00-0166	EA			12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	157.28	28.45
33 12 16 00-0167	EA			9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	117.52	20.33
33 12 16 00-0168	EA			Cast Iron Lid For Plastic Meter Box.....	33.62	
33 12 16 00-0169				Traffic Valve Box And Lid (33 12 16 00-0144)		
33 12 16 00-0170	EA			10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	124.01	

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0171 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	369.97	
33 12 16 00-0172 Utility Box <small>(33 12 16)</small> Note: Christy Concrete Products.		
33 12 16 00-0173 B3 Utility Box, 9-3/8" x 15-1/2" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0174 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box	59.76	37.20
33 12 16 00-0175 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	45.65	4.13
33 12 16 00-0176 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	21.41	4.13
33 12 16 00-0177 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	94.93	4.13
33 12 16 00-0178 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	32.77	8.26
33 12 16 00-0179 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	43.48	8.26
33 12 16 00-0180 B9 Utility Box, 10-1/4" x 17-1/4" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0181 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box	74.73	49.60
33 12 16 00-0182 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	53.61	4.96
33 12 16 00-0183 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	24.15	4.96
33 12 16 00-0184 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	99.39	4.13
33 12 16 00-0185 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	35.72	8.26
33 12 16 00-0186 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	49.16	12.40
33 12 16 00-0187 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	66.31	22.73
33 12 16 00-0188 B12 Utility Box, 12" x 20" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0189 EA 12" x 20" Precast Concrete Utility Box	81.76	53.73
33 12 16 00-0190 EA Cast Iron Lid For 12" x 20" Utility Box	93.79	6.20
33 12 16 00-0191 EA Reinforced Concrete Lid For 12" x 20" Utility Box	34.00	8.26
33 12 16 00-0192 EA Steel Checkered Plate Cover For 12" x 20" Utility Box	136.40	8.26
33 12 16 00-0193 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box	85.74	28.94
33 12 16 00-0194 B16 Utility Box, 12" x 22-1/4" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0195 EA 12" x 22-1/4" Precast Concrete Utility Box	94.59	62.82
33 12 16 00-0196 EA Cast Iron Lid For 12" x 22-1/4" Utility Box	107.24	8.26
33 12 16 00-0197 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	40.07	8.26
33 12 16 00-0198 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	137.12	8.26
33 12 16 00-0199 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	58.72	14.05
33 12 16 00-0200 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	86.75	28.94
33 12 16 00-0201 B30 Utility Box, 13-1/4" x 24" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0202 EA 13-1/4" x 24" Precast Concrete Utility Box	113.31	74.39
33 12 16 00-0203 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box	56.07	13.22
33 12 16 00-0204 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box	170.04	10.74
33 12 16 00-0205 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box	58.72	14.05
33 12 16 00-0206 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box	91.57	23.14
33 12 16 00-0207 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	69.15	15.70
33 12 16 00-0208 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	112.12	37.20
33 12 16 00-0209 B36 Utility Box, 17-1/4" x 30" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0210 EA 17-1/4" x 30" Precast Concrete Utility Box	146.60	94.24
33 12 16 00-0211 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box	92.54	22.73
33 12 16 00-0212 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box	215.40	15.70
33 12 16 00-0213 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box	92.65	29.76
33 12 16 00-0214 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box	139.51	33.07
33 12 16 00-0215 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box	147.99	47.95
33 12 16 00-0216 B40 Utility Box, 24-1/2" x 36" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0217 EA 24-1/2" x 36" Precast Concrete Utility Box	278.59	145.49
33 12 16 00-0218 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	245.58	54.56
33 12 16 00-0219 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	307.61	23.97
33 12 16 00-0220 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	207.43	51.25
33 12 16 00-0221 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	219.43	53.73
33 12 16 00-0222 B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 12 16 00-0172)</small>		
33 12 16 00-0223 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box	369.43	165.32
33 12 16 00-0224 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	353.40	90.11
33 12 16 00-0225 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	422.12	90.11
33 12 16 00-0226 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	490.37	41.33
33 12 16 00-0227 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	338.52	111.59
33 12 16 00-0228 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	280.02	75.22

33 12 19 Water Utility Distribution Fire Hydrants (33 12)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 19 00-0001 Fire Hydrants <small>(33 12 19)</small> Note: Breakaway type.		
33 12 19 00-0002 Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 12 19 00-0001)</small> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0003 EA 1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,737.30	203.16
33 12 19 00-0004 EA 2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,768.40	203.16
33 12 19 00-0005 EA 2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,799.58	203.16
33 12 19 00-0006 EA 3' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,845.12	217.67
33 12 19 00-0007 EA 3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,876.25	217.67
33 12 19 00-0008 EA 4' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,925.55	235.81
33 12 19 00-0009 EA 4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,956.63	235.81
33 12 19 00-0010 EA 5' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,005.94	253.95
33 12 19 00-0011 EA 5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,037.07	253.95
33 12 19 00-0012 EA 6' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,086.28	272.08
33 12 19 00-0013 EA 6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,135.55	290.23
33 12 19 00-0014 EA 7' Burial Section, 4-1/2" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,202.89	326.50
33 12 19 00-0015 EA 1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,765.68	203.16
33 12 19 00-0016 EA 2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,806.04	203.16
33 12 19 00-0017 EA 2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,846.30	203.16
33 12 19 00-0018 EA 3' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,901.07	217.67
33 12 19 00-0019 EA 3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,941.33	217.67
33 12 19 00-0020 EA 4' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	1,999.88	235.81
33 12 19 00-0021 EA 4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,040.09	235.81
33 12 19 00-0022 EA 5' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,098.53	253.95
33 12 19 00-0023 EA 5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,138.78	253.95
33 12 19 00-0024 EA 6' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,197.10	272.08
33 12 19 00-0025 EA 6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,255.61	290.23
33 12 19 00-0026 EA 7' Burial Section, 5-1/4" Valve, Three Way, Standard (Traditional) Model Fire Hydrant.....	2,332.07	326.50
33 12 19 00-0027 Two Way, Standard (Traditional) Model Fire Hydrant <small>(33 12 19 00-0001)</small> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0028 EA 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,566.59	203.16
33 12 19 00-0029 EA 2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,597.58	203.16
33 12 19 00-0030 EA 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,628.75	203.16
33 12 19 00-0031 EA 3' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,674.42	217.67
33 12 19 00-0032 EA 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,705.45	217.67
33 12 19 00-0033 EA 4' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,754.68	235.81
33 12 19 00-0034 EA 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,785.81	235.81
33 12 19 00-0035 EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,835.15	253.95
33 12 19 00-0036 EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,866.21	253.95
33 12 19 00-0037 EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,915.59	272.08
33 12 19 00-0038 EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,964.66	290.23
33 12 19 00-0039 EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	2,032.07	326.50
33 12 19 00-0040 EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,610.43	203.16
33 12 19 00-0041 EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,650.70	203.16
33 12 19 00-0042 EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,690.91	203.16
33 12 19 00-0043 EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,745.78	217.67
33 12 19 00-0044 EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,785.94	217.67
33 12 19 00-0045 EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,844.42	235.81
33 12 19 00-0046 EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,884.60	235.81
33 12 19 00-0047 EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,943.17	253.95
33 12 19 00-0048 EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	1,983.33	253.95
33 12 19 00-0049 EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	2,041.79	272.08
33 12 19 00-0050 EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	2,100.10	290.23
33 12 19 00-0051 EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard (Traditional) Model Fire Hydrant.....	2,176.78	326.50
33 12 19 00-0052 Three Way, Modern Model Fire Hydrant <small>(33 12 19 00-0001)</small> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0053 EA 1-1/2' Burial Section, Three Way, Modern Model Fire Hydrant.....	1,809.88	203.16
33 12 19 00-0054 EA 2' Burial Section, Three Way, Modern Model Fire Hydrant.....	1,850.09	203.16
33 12 19 00-0055 EA 2-1/2' Burial Section, Three Way, Modern Model Fire Hydrant.....	1,890.42	203.16
33 12 19 00-0056 EA 3' Burial Section, Three Way, Modern Model Fire Hydrant.....	1,945.21	217.67
33 12 19 00-0057 EA 3-1/2' Burial Section, Three Way, Modern Model Fire Hydrant.....	1,985.45	217.67
33 12 19 00-0058 EA 4' Burial Section, Three Way, Modern Model Fire Hydrant.....	2,043.85	235.81
33 12 19 00-0059 EA 4-1/2' Burial Section, Three Way, Modern Model Fire Hydrant.....	2,084.14	235.81
33 12 19 00-0060 EA 5' Burial Section, Three Way, Modern Model Fire Hydrant.....	2,142.55	253.95
33 12 19 00-0061 EA 5-1/2' Burial Section, Three Way, Modern Model Fire Hydrant.....	2,182.80	253.95
33 12 19 00-0062 EA 6' Burial Section, Three Way, Modern Model Fire Hydrant.....	2,241.19	253.95
33 12 19 00-0063 EA 6-1/2' Burial Section, Three Way, Modern Model Fire Hydrant.....	2,299.72	290.23
33 12 19 00-0064 EA 7' Burial Section, Three Way, Modern Model Fire Hydrant.....	2,375.76	290.23
33 12 19 00-0065 Two Way, Modern Model Fire Hydrant <small>(33 12 19 00-0001)</small> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0066 EA 1-1/2' Burial Section, Two Way, Modern Model Fire Hydrant.....	1,305.69	203.16
33 12 19 00-0067 EA 2' Burial Section, Two Way, Modern Model Fire Hydrant.....	1,336.29	203.16
33 12 19 00-0068 EA 2-1/2' Burial Section, Two Way, Modern Model Fire Hydrant.....	1,367.23	203.16
33 12 19 00-0069 EA 3' Burial Section, Two Way, Modern Model Fire Hydrant.....	1,411.98	217.67

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 12 19 00-0070	EA	3-1/2' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,442.57	217.67
33 12 19 00-0071	EA	4' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,491.30	235.81
33 12 19 00-0072	EA	4-1/2' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,521.88	235.81
33 12 19 00-0073	EA	5' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,570.65	253.95
33 12 19 00-0074	EA	5-1/2' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,601.15	253.95
33 12 19 00-0075	EA	6' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,649.88	272.08
33 12 19 00-0076	EA	6-1/2' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,698.66	290.23
33 12 19 00-0077	EA	7' Burial Section, Two Way, Modern Model Fire Hydrant.....		1,765.14	326.50
33 12 19 00-0078		Fire Hydrant Extension Kits <small>(33 12 19 00-0001)</small>			
33 12 19 00-0079	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		281.66	18.14
33 12 19 00-0080	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		336.07	22.67
33 12 19 00-0081	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		369.64	27.21
33 12 19 00-0082	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		423.44	33.56
33 12 19 00-0083	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		619.76	34.92
33 12 19 00-0084	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		660.67	36.28
33 12 19 00-0085	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		672.30	38.10
33 12 19 00-0086	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		710.81	40.82
33 12 19 00-0087	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		788.61	48.97
33 12 19 00-0088	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....		841.28	58.95
33 12 19 00-0089	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		313.05	20.31
33 12 19 00-0090	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		372.45	24.67
33 12 19 00-0091	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		428.90	29.75
33 12 19 00-0092	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		483.90	37.01
33 12 19 00-0093	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		647.34	38.46
33 12 19 00-0094	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		688.86	39.91
33 12 19 00-0095	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		718.69	42.08
33 12 19 00-0096	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		835.61	44.98
33 12 19 00-0097	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		921.48	53.69
33 12 19 00-0098	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....		978.64	64.58
33 12 19 00-0099		Remove And Reinstall Standard Fire Hydrant <small>(33 12 19 00-0001)</small>			
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.			
33 12 19 00-0100	EA	Up To 5' Burial Section, Remove And Reinstall Fire Hydrant.....		580.44	
33 12 19 00-0101	EA	>5' Burial Section, Remove And Reinstall Fire Hydrant.....		846.49	
33 12 19 00-0102	EA	Reset Fire Hydrant Upper Barrel.....		719.47	
		Note: Includes Safety Repair Kit			
33 13		Disinfecting of Water Utility Distribution <small>(33 10)</small>			
33 13 00 00-0001		Water Main Disinfection/Sterilization <small>(33 13)</small>			
		Note: Gas chlorination. Continuous or plug method.			
33 13 00 00-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method.....		746.01	
33 13 00 00-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method.....		373.00	
33 13 00 00-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization.....		0.28	
		For >250 To 500, Deduct		-0.01	
		For >500 To 1,000, Deduct		-0.03	
		For >1,000 To 2,000, Deduct		-0.04	
		For >2,000 To 5,000, Deduct		-0.06	
		For >5,000, Deduct		-0.07	
33 13 00 00-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization.....		0.43	
		For >250 To 500, Deduct		-0.02	
		For >500 To 1,000, Deduct		-0.04	
		For >1,000 To 2,000, Deduct		-0.06	
		For >2,000 To 5,000, Deduct		-0.09	
		For >5,000, Deduct		-0.11	
33 13 00 00-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization.....		0.56	
		For >250 To 500, Deduct		-0.03	
		For >500 To 1,000, Deduct		-0.06	
		For >1,000 To 2,000, Deduct		-0.08	
		For >2,000 To 5,000, Deduct		-0.11	
		For >5,000, Deduct		-0.14	
33 13 00 00-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization.....		0.66	
		For >250 To 500, Deduct		-0.03	
		For >500 To 1,000, Deduct		-0.07	
		For >1,000 To 2,000, Deduct		-0.10	
		For >2,000 To 5,000, Deduct		-0.13	
		For >5,000, Deduct		-0.17	
33 13 00 00-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization.....		0.86	
		For >250 To 500, Deduct		-0.04	
		For >500 To 1,000, Deduct		-0.09	
		For >1,000 To 2,000, Deduct		-0.13	
		For >2,000 To 5,000, Deduct		-0.17	
		For >5,000, Deduct		-0.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 13 00 00-0009 LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization.....	0.97	
<i>For >250 To 500, Deduct</i>	-0.05	
<i>For >500 To 1,000, Deduct</i>	-0.10	
<i>For >1,000 To 2,000, Deduct</i>	-0.15	
<i>For >2,000 To 5,000, Deduct</i>	-0.19	
<i>For >5,000, Deduct</i>	-0.24	
33 13 00 00-0010 LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization.....	1.12	
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.11	
<i>For >1,000 To 2,000, Deduct</i>	-0.17	
<i>For >2,000 To 5,000, Deduct</i>	-0.22	
<i>For >5,000, Deduct</i>	-0.28	
33 13 00 00-0011 LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization.....	1.32	
<i>For >250 To 500, Deduct</i>	-0.07	
<i>For >500 To 1,000, Deduct</i>	-0.13	
<i>For >1,000 To 2,000, Deduct</i>	-0.20	
<i>For >2,000 To 5,000, Deduct</i>	-0.26	
<i>For >5,000, Deduct</i>	-0.33	
33 13 00 00-0012 LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization.....	1.70	
<i>For >250 To 500, Deduct</i>	-0.09	
<i>For >500 To 1,000, Deduct</i>	-0.17	
<i>For >1,000 To 2,000, Deduct</i>	-0.26	
<i>For >2,000 To 5,000, Deduct</i>	-0.34	
<i>For >5,000, Deduct</i>	-0.43	
33 13 00 00-0013 LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization.....	2.49	
<i>For >250 To 500, Deduct</i>	-0.12	
<i>For >500 To 1,000, Deduct</i>	-0.25	
<i>For >1,000 To 2,000, Deduct</i>	-0.37	
<i>For >2,000 To 5,000, Deduct</i>	-0.50	
<i>For >5,000, Deduct</i>	-0.62	
33 13 00 00-0014 LF >60" Diameter Pipe Water Main Disinfection/Sterilization.....	3.45	
<i>For >250 To 500, Deduct</i>	-0.17	
<i>For >500 To 1,000, Deduct</i>	-0.35	
<i>For >1,000 To 2,000, Deduct</i>	-0.52	
<i>For >2,000 To 5,000, Deduct</i>	-0.69	
<i>For >5,000, Deduct</i>	-0.86	

33 16 Water Utility Storage Tanks (33 10)

33 16 13 Aboveground Water Utility Storage Tanks (33 16)

33 16 13 13 Steel Aboveground Water Utility Storage Tanks (33 16 13)

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 16 16 Underground Water Utility Storage Tanks (33 16)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 20 Wells (33)

33 21 Water Supply Wells (33 20)

33 21 13 Public Water Supply Wells (33 21)

33 21 13 00-0001 Drill And Test Water Well (33 21 13)

33 21 13 00-0002 Drill Hole (33 21 13 00-0001)

Note: Excludes loading and hauling of spoils.

33 21 13 00-0003 Mobilization And Demobilization (33 21 13 00-0002)

33 21 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	736.91
33 21 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization.....	907.69
33 21 13 00-0006	EA	>24" Diameter, Well Drilling Mobilization And Demobilization	1,361.54

33 21 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. (33 21 13 00-0002)

Note: Excludes well casing, gravel or materials.

33 21 13 00-0008	LF	6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.59
		<i>For >100 To 250, Add</i>	0.44
		<i>For >250 To 400, Add</i>	0.88
		<i>For >400 To 600, Add</i>	1.32
		<i>For >600 To 750, Add</i>	1.76
		<i>For >750, Add</i>	2.20
33 21 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.88
		<i>For >100 To 250, Add</i>	0.52
		<i>For >250 To 400, Add</i>	1.04
		<i>For >400 To 600, Add</i>	1.57
		<i>For >600 To 750, Add</i>	2.09
		<i>For >750, Add</i>	2.61
33 21 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.91
		<i>For >100 To 250, Add</i>	0.70
		<i>For >250 To 400, Add</i>	1.40
		<i>For >400 To 600, Add</i>	2.09
		<i>For >600 To 750, Add</i>	2.79
		<i>For >750, Add</i>	3.49

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	43.68	
For >100 To 250, Add	1.09	
For >250 To 400, Add	2.18	
For >400 To 600, Add	3.28	
For >600 To 750, Add	4.37	
For >750, Add	5.46	
33 21 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	62.86	
For >100 To 250, Add	1.57	
For >250 To 400, Add	3.14	
For >400 To 600, Add	4.71	
For >600 To 750, Add	6.29	
For >750, Add	7.86	
33 21 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	82.14	
For >100 To 250, Add	2.05	
For >250 To 400, Add	4.11	
For >400 To 600, Add	6.16	
For >600 To 750, Add	8.21	
For >750, Add	10.27	
33 21 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	97.57	
For >100 To 250, Add	2.44	
For >250 To 400, Add	4.88	
For >400 To 600, Add	7.32	
For >600 To 750, Add	9.76	
For >750, Add	12.20	
33 21 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	113.46	
For >100 To 250, Add	2.84	
For >250 To 400, Add	5.67	
For >400 To 600, Add	8.51	
For >600 To 750, Add	11.35	
For >750, Add	14.18	
33 21 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	133.31	
For >100 To 250, Add	3.33	
For >250 To 400, Add	6.67	
For >400 To 600, Add	10.00	
For >600 To 750, Add	13.33	
For >750, Add	16.66	
33 21 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	157.14	
For >100 To 250, Add	3.93	
For >250 To 400, Add	7.86	
For >400 To 600, Add	11.79	
For >600 To 750, Add	15.71	
For >750, Add	19.64	
33 21 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	169.85	
For >100 To 250, Add	4.25	
For >250 To 400, Add	8.49	
For >400 To 600, Add	12.74	
For >600 To 750, Add	16.99	
For >750, Add	21.23	
33 21 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	186.87	
For >100 To 250, Add	4.67	
For >250 To 400, Add	9.34	
For >400 To 600, Add	14.02	
For >600 To 750, Add	18.69	
For >750, Add	23.36	
33 21 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	204.68	
For >100 To 250, Add	5.12	
For >250 To 400, Add	10.23	
For >400 To 600, Add	15.35	
For >600 To 750, Add	20.47	
For >750, Add	25.59	
33 21 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	254.60	
For >100 To 250, Add	6.37	
For >250 To 400, Add	12.73	
For >400 To 600, Add	19.10	
For >600 To 750, Add	25.46	
For >750, Add	31.83	
33 21 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 21 13 00-0002)</small>	35.85	
33 21 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	0.90	
For >100 To 250, Add	1.79	
For >250 To 400, Add	2.69	
For >400 To 600, Add	3.59	
For >600 To 750, Add	4.48	
33 21 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	41.75	
For >100 To 250, Add	1.04	
For >250 To 400, Add	2.09	
For >400 To 600, Add	3.13	
For >600 To 750, Add	4.18	
For >750, Add	5.22	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	66.85	
For >100 To 250, Add	1.67	
For >250 To 400, Add	3.34	
For >400 To 600, Add	5.01	
For >600 To 750, Add	6.69	
For >750, Add	8.36	
33 21 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	87.41	
For >100 To 250, Add	2.19	
For >250 To 400, Add	4.37	
For >400 To 600, Add	6.56	
For >600 To 750, Add	8.74	
For >750, Add	10.93	
33 21 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	125.81	
For >100 To 250, Add	3.15	
For >250 To 400, Add	6.29	
For >400 To 600, Add	9.44	
For >600 To 750, Add	12.58	
For >750, Add	15.73	
33 21 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	164.20	
For >100 To 250, Add	4.11	
For >250 To 400, Add	8.21	
For >400 To 600, Add	12.32	
For >600 To 750, Add	16.42	
For >750, Add	20.53	
33 21 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	195.24	
For >100 To 250, Add	4.88	
For >250 To 400, Add	9.76	
For >400 To 600, Add	14.64	
For >600 To 750, Add	19.52	
For >750, Add	24.41	
33 21 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	226.56	
For >100 To 250, Add	5.66	
For >250 To 400, Add	11.33	
For >400 To 600, Add	16.99	
For >600 To 750, Add	22.66	
For >750, Add	28.32	
33 21 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	266.86	
For >100 To 250, Add	6.67	
For >250 To 400, Add	13.34	
For >400 To 600, Add	20.01	
For >600 To 750, Add	26.69	
For >750, Add	33.36	
33 21 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	308.25	
For >100 To 250, Add	7.71	
For >250 To 400, Add	15.41	
For >400 To 600, Add	23.12	
For >600 To 750, Add	30.83	
For >750, Add	38.53	
33 21 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	339.71	
For >100 To 250, Add	8.49	
For >250 To 400, Add	16.99	
For >400 To 600, Add	25.48	
For >600 To 750, Add	33.97	
For >750, Add	42.46	
33 21 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	373.74	
For >100 To 250, Add	9.34	
For >250 To 400, Add	18.69	
For >400 To 600, Add	28.03	
For >600 To 750, Add	37.37	
For >750, Add	46.72	
33 21 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	409.37	
For >100 To 250, Add	10.23	
For >250 To 400, Add	20.47	
For >400 To 600, Add	30.70	
For >600 To 750, Add	40.94	
For >750, Add	51.17	
33 21 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	509.22	
For >100 To 250, Add	12.73	
For >250 To 400, Add	25.46	
For >400 To 600, Add	38.19	
For >600 To 750, Add	50.92	
For >750, Add	63.65	
33 21 13 00-0037 Drill Hole In Crystalline Rock (33 21 13 00-0002)		
33 21 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	73.75	
For >100 To 250, Add	1.84	
For >250 To 400, Add	3.69	
For >400 To 600, Add	5.53	
For >600 To 750, Add	7.38	
For >750, Add	9.22	

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	85.09	
For >100 To 250, Add	2.13	
For >250 To 400, Add	4.25	
For >400 To 600, Add	6.38	
For >600 To 750, Add	8.51	
For >750, Add	10.64	
33 21 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	97.57	
For >100 To 250, Add	2.44	
For >250 To 400, Add	4.88	
For >400 To 600, Add	7.32	
For >600 To 750, Add	9.76	
For >750, Add	12.20	
33 21 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	123.67	
For >100 To 250, Add	3.09	
For >250 To 400, Add	6.18	
For >400 To 600, Add	9.28	
For >600 To 750, Add	12.37	
For >750, Add	15.46	
33 21 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	159.98	
For >100 To 250, Add	4.00	
For >250 To 400, Add	8.00	
For >400 To 600, Add	12.00	
For >600 To 750, Add	16.00	
For >750, Add	20.00	
33 21 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	232.59	
For >100 To 250, Add	5.81	
For >250 To 400, Add	11.63	
For >400 To 600, Add	17.44	
For >600 To 750, Add	23.26	
For >750, Add	29.07	
33 21 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	276.85	
For >100 To 250, Add	6.92	
For >250 To 400, Add	13.84	
For >400 To 600, Add	20.76	
For >600 To 750, Add	27.69	
For >750, Add	34.61	
33 21 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	321.10	
For >100 To 250, Add	8.03	
For >250 To 400, Add	16.06	
For >400 To 600, Add	24.08	
For >600 To 750, Add	32.11	
For >750, Add	40.14	
33 21 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	377.82	
For >100 To 250, Add	9.45	
For >250 To 400, Add	18.89	
For >400 To 600, Add	28.34	
For >600 To 750, Add	37.78	
For >750, Add	47.23	
33 21 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	436.82	
For >100 To 250, Add	10.92	
For >250 To 400, Add	21.84	
For >400 To 600, Add	32.76	
For >600 To 750, Add	43.68	
For >750, Add	54.60	
33 21 13 00-0048 Furnish And Install Casing <small>(33 21 13 00-0001)</small>		
Note: Excludes drilling of hole.		
33 21 13 00-0049 Steel Well Casing <small>(33 21 13 00-0048)</small>		
33 21 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	27.86	
For >100 To 250, Deduct	-0.86	
For >250 To 400, Deduct	-1.56	
For >400 To 600, Deduct	-2.34	
For >600 To 750, Deduct	-3.12	
For >750, Deduct	-4.11	
33 21 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	34.65	
For >100 To 250, Deduct	-1.07	
For >250 To 400, Deduct	-1.94	
For >400 To 600, Deduct	-2.91	
For >600 To 750, Deduct	-3.88	
For >750, Deduct	-5.12	
33 21 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	50.85	
For >100 To 250, Deduct	-1.52	
For >250 To 400, Deduct	-2.79	
For >400 To 600, Deduct	-4.19	
For >600 To 750, Deduct	-5.58	
For >750, Deduct	-7.30	
33 21 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	84.39	
For >100 To 250, Deduct	-2.41	
For >250 To 400, Deduct	-4.52	
For >400 To 600, Deduct	-6.78	
For >600 To 750, Deduct	-9.04	
For >750, Deduct	-11.68	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	95.28	
<i>For >100 To 250, Deduct</i>	-2.80	
<i>For >250 To 400, Deduct</i>	-5.18	
<i>For >400 To 600, Deduct</i>	-7.77	
<i>For >600 To 750, Deduct</i>	-10.36	
<i>For >750, Deduct</i>	-13.49	
33 21 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	112.07	
<i>For >100 To 250, Deduct</i>	-3.32	
<i>For >250 To 400, Deduct</i>	-6.12	
<i>For >400 To 600, Deduct</i>	-9.18	
<i>For >600 To 750, Deduct</i>	-12.24	
<i>For >750, Deduct</i>	-15.97	
33 21 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	128.33	
<i>For >100 To 250, Deduct</i>	-3.86	
<i>For >250 To 400, Deduct</i>	-7.06	
<i>For >400 To 600, Deduct</i>	-10.60	
<i>For >600 To 750, Deduct</i>	-14.13	
<i>For >750, Deduct</i>	-18.50	
33 21 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush.....	146.77	
<i>For >100 To 250, Deduct</i>	-4.47	
<i>For >250 To 400, Deduct</i>	-8.14	
<i>For >400 To 600, Deduct</i>	-12.20	
<i>For >600 To 750, Deduct</i>	-16.27	
<i>For >750, Deduct</i>	-21.38	
33 21 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush.....	171.26	
<i>For >100 To 250, Deduct</i>	-5.18	
<i>For >250 To 400, Deduct</i>	-9.46	
<i>For >400 To 600, Deduct</i>	-14.19	
<i>For >600 To 750, Deduct</i>	-18.92	
<i>For >750, Deduct</i>	-24.82	
33 21 13 00-0059 LB Steel Well Casing, Furnish And Install.....	0.95	
<i>For >100 To 250, Deduct</i>	-0.04	
<i>For >250 To 400, Deduct</i>	-0.06	
<i>For >400 To 600, Deduct</i>	-0.09	
<i>For >600 To 750, Deduct</i>	-0.12	
<i>For >750, Deduct</i>	-0.16	
33 21 13 00-0060 Stainless Steel Well Casing, Flush Threaded <small>(33 21 13 00-0048)</small>		
33 21 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush	55.59	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 400, Deduct</i>	-2.95	
<i>For >400 To 600, Deduct</i>	-4.42	
<i>For >600 To 750, Deduct</i>	-5.89	
<i>For >750, Deduct</i>	-7.58	
33 21 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush	83.25	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 400, Deduct</i>	-4.37	
<i>For >400 To 600, Deduct</i>	-6.56	
<i>For >600 To 750, Deduct</i>	-8.74	
<i>For >750, Deduct</i>	-11.20	
33 21 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush	116.18	
<i>For >100 To 250, Deduct</i>	-3.17	
<i>For >250 To 400, Deduct</i>	-6.08	
<i>For >400 To 600, Deduct</i>	-9.11	
<i>For >600 To 750, Deduct</i>	-12.15	
<i>For >750, Deduct</i>	-15.53	
33 21 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush	135.15	
<i>For >100 To 250, Deduct</i>	-3.69	
<i>For >250 To 400, Deduct</i>	-7.07	
<i>For >400 To 600, Deduct</i>	-10.61	
<i>For >600 To 750, Deduct</i>	-14.15	
<i>For >750, Deduct</i>	-18.09	
33 21 13 00-0065 Stainless Steel Well Casing, Welded Ring <small>(33 21 13 00-0048)</small>		
33 21 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	124.15	
<i>For >100 To 250, Deduct</i>	-3.57	
<i>For >250 To 400, Deduct</i>	-6.67	
<i>For >400 To 600, Deduct</i>	-10.01	
<i>For >600 To 750, Deduct</i>	-13.35	
<i>For >750, Deduct</i>	-17.29	
33 21 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	143.79	
<i>For >100 To 250, Deduct</i>	-4.13	
<i>For >250 To 400, Deduct</i>	-7.72	
<i>For >400 To 600, Deduct</i>	-11.58	
<i>For >600 To 750, Deduct</i>	-15.44	
<i>For >750, Deduct</i>	-19.99	
33 21 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	172.57	
<i>For >100 To 250, Deduct</i>	-4.91	
<i>For >250 To 400, Deduct</i>	-9.23	
<i>For >400 To 600, Deduct</i>	-13.84	
<i>For >600 To 750, Deduct</i>	-18.45	
<i>For >750, Deduct</i>	-23.84	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	197.57	
For >100 To 250, Deduct	-5.62	
For >250 To 400, Deduct	-10.56	
For >400 To 600, Deduct	-15.84	
For >600 To 750, Deduct	-21.12	
For >750, Deduct	-27.29	
33 21 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	218.33	
For >100 To 250, Deduct	-6.24	
For >250 To 400, Deduct	-11.70	
For >400 To 600, Deduct	-17.55	
For >600 To 750, Deduct	-23.40	
For >750, Deduct	-30.26	
33 21 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	285.57	
For >100 To 250, Deduct	-8.07	
For >250 To 400, Deduct	-15.21	
For >400 To 600, Deduct	-22.81	
For >600 To 750, Deduct	-30.42	
For >750, Deduct	-39.23	
33 21 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	375.90	
For >100 To 250, Deduct	-10.56	
For >250 To 400, Deduct	-19.96	
For >400 To 600, Deduct	-29.94	
For >600 To 750, Deduct	-39.92	
For >750, Deduct	-51.41	
33 21 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 21 13 00-0048)</small>		
33 21 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	22.45	
For >100 To 250, Deduct	-0.69	
For >250 To 400, Deduct	-1.26	
For >400 To 600, Deduct	-1.88	
For >600 To 750, Deduct	-2.51	
For >750, Deduct	-3.31	
33 21 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	35.60	
For >100 To 250, Deduct	-1.10	
For >250 To 400, Deduct	-1.99	
For >400 To 600, Deduct	-2.98	
For >600 To 750, Deduct	-3.98	
For >750, Deduct	-5.24	
33 21 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	53.83	
For >100 To 250, Deduct	-1.66	
For >250 To 400, Deduct	-3.01	
For >400 To 600, Deduct	-4.51	
For >600 To 750, Deduct	-6.01	
For >750, Deduct	-7.93	
33 21 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	63.68	
For >100 To 250, Deduct	-1.97	
For >250 To 400, Deduct	-3.57	
For >400 To 600, Deduct	-5.35	
For >600 To 750, Deduct	-7.13	
For >750, Deduct	-9.41	
33 21 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 21 13 00-0001)</small>		
33 21 13 00-0079 Stainless Steel Well Screen <small>(33 21 13 00-0078)</small>		
33 21 13 00-0080 LF 2" Stainless Steel Well Screen	17.89	1.32
For >100 To 250, Deduct	-0.62	
For >250 To 400, Deduct	-1.06	
For >400 To 600, Deduct	-1.60	
For >600 To 750, Deduct	-2.13	
For >750, Deduct	-2.88	
33 21 13 00-0081 LF 3" Stainless Steel Well Screen	27.98	1.32
For >100 To 250, Deduct	-0.88	
For >250 To 400, Deduct	-1.58	
For >400 To 600, Deduct	-2.37	
For >600 To 750, Deduct	-3.17	
For >750, Deduct	-4.20	
33 21 13 00-0082 LF 4" Stainless Steel Well Screen	35.15	2.00
For >100 To 250, Deduct	-1.11	
For >250 To 400, Deduct	-1.99	
For >400 To 600, Deduct	-2.99	
For >600 To 750, Deduct	-3.98	
For >750, Deduct	-5.28	
33 21 13 00-0083 LF 5" Stainless Steel Well Screen	44.36	2.00
For >100 To 250, Deduct	-1.39	
For >250 To 400, Deduct	-2.50	
For >400 To 600, Deduct	-3.74	
For >600 To 750, Deduct	-4.99	
For >750, Deduct	-6.60	
33 21 13 00-0084 LF 6" Stainless Steel Well Screen	53.39	2.66
For >100 To 250, Deduct	-1.70	
For >250 To 400, Deduct	-3.04	
For >400 To 600, Deduct	-4.56	
For >600 To 750, Deduct	-6.08	
For >750, Deduct	-8.08	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0085 LF 8" Stainless Steel Well Screen	69.64	3.32
For >100 To 250, Deduct	-2.21	
For >250 To 400, Deduct	-3.95	
For >400 To 600, Deduct	-5.93	
For >600 To 750, Deduct	-7.91	
For >750, Deduct	-10.50	
33 21 13 00-0086 LF 10" Stainless Steel Well Screen.....	88.55	5.32
For >100 To 250, Deduct	-2.85	
For >250 To 400, Deduct	-5.07	
For >400 To 600, Deduct	-7.60	
For >600 To 750, Deduct	-10.13	
For >750, Deduct	-13.49	
33 21 13 00-0087 LF 12" Stainless Steel Well Screen.....	103.87	6.64
For >100 To 250, Deduct	-3.34	
For >250 To 400, Deduct	-5.94	
For >400 To 600, Deduct	-8.91	
For >600 To 750, Deduct	-11.88	
For >750, Deduct	-15.81	
33 21 13 00-0088 LF 14" Stainless Steel Well Screen.....	114.22	7.32
For >100 To 250, Deduct	-3.71	
For >250 To 400, Deduct	-6.57	
For >400 To 600, Deduct	-9.85	
For >600 To 750, Deduct	-13.14	
For >750, Deduct	-17.53	
33 21 13 00-0089 LF 16" Stainless Steel Well Screen.....	123.80	8.64
For >100 To 250, Deduct	-4.06	
For >250 To 400, Deduct	-7.15	
For >400 To 600, Deduct	-10.73	
For >600 To 750, Deduct	-14.31	
For >750, Deduct	-19.14	
33 21 13 00-0090 LF 18" Stainless Steel Well Screen.....	148.75	9.97
For >100 To 250, Deduct	-4.91	
For >250 To 400, Deduct	-8.62	
For >400 To 600, Deduct	-12.94	
For >600 To 750, Deduct	-17.25	
For >750, Deduct	-23.10	
33 21 13 00-0091 LF 20" Stainless Steel Well Screen.....	187.59	12.63
For >100 To 250, Deduct	-6.18	
For >250 To 400, Deduct	-10.87	
For >400 To 600, Deduct	-16.31	
For >600 To 750, Deduct	-21.74	
For >750, Deduct	-29.12	
33 21 13 00-0092 LF 24" Stainless Steel Well Screen.....	243.44	16.62
For >100 To 250, Deduct	-8.04	
For >250 To 400, Deduct	-14.13	
For >400 To 600, Deduct	-21.19	
For >600 To 750, Deduct	-28.25	
For >750, Deduct	-37.86	
33 21 13 00-0093 LF 26" Stainless Steel Well Screen.....	280.53	19.28
For >100 To 250, Deduct	-9.23	
For >250 To 400, Deduct	-16.24	
For >400 To 600, Deduct	-24.36	
For >600 To 750, Deduct	-32.48	
For >750, Deduct	-43.49	
33 21 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 21 13 00-0078)</small>		
33 21 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.13	
For >100 To 250, Deduct	-0.32	
For >250 To 400, Deduct	-0.52	
For >400 To 600, Deduct	-0.79	
For >600 To 750, Deduct	-1.05	
For >750, Deduct	-1.46	
For Schedule 80, Add	1.36	
33 21 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	9.12	
For >100 To 250, Deduct	-0.35	
For >250 To 400, Deduct	-0.58	
For >400 To 600, Deduct	-0.87	
For >600 To 750, Deduct	-1.16	
For >750, Deduct	-1.62	
For Schedule 80, Add	1.64	
33 21 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	13.76	
For >100 To 250, Deduct	-0.57	
For >250 To 400, Deduct	-0.91	
For >400 To 600, Deduct	-1.37	
For >600 To 750, Deduct	-1.83	
For >750, Deduct	-2.57	
For Schedule 80, Add	1.91	
33 21 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	18.57	
For >100 To 250, Deduct	-0.71	
For >250 To 400, Deduct	-1.17	
For >400 To 600, Deduct	-1.76	
For >600 To 750, Deduct	-2.34	
For >750, Deduct	-3.24	
For Schedule 80, Add	3.54	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	23.39	
For >100 To 250, Deduct	-0.89	
For >250 To 400, Deduct	-1.48	
For >400 To 600, Deduct	-2.21	
For >600 To 750, Deduct	-2.95	
For >750, Deduct	-4.09	
For Schedule 80, Add	4.44	
33 21 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	28.94	
For >100 To 250, Deduct	-1.09	
For >250 To 400, Deduct	-1.81	
For >400 To 600, Deduct	-2.72	
For >600 To 750, Deduct	-3.63	
For >750, Deduct	-5.01	
For Schedule 80, Add	5.73	
33 21 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	33.48	
For >100 To 250, Deduct	-1.32	
For >250 To 400, Deduct	-2.16	
For >400 To 600, Deduct	-3.24	
For >600 To 750, Deduct	-4.32	
For >750, Deduct	-6.04	
For Schedule 80, Add	5.59	
33 21 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	46.76	
For >100 To 250, Deduct	-1.79	
For >250 To 400, Deduct	-2.96	
For >400 To 600, Deduct	-4.44	
For >600 To 750, Deduct	-5.92	
For >750, Deduct	-8.21	
For Schedule 80, Add	8.73	
33 21 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 21 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 21 13 00-0104 Artificial Gravel Pack <small>(33 21 13 00-0103)</small>		
Note: Excludes casing.		
33 21 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	12.43	
For >100 To 250, Deduct	-0.50	
For >250 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.22	
For >600 To 750, Deduct	-1.63	
For >750, Deduct	-2.28	
33 21 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	18.51	
For >100 To 250, Deduct	-0.76	
For >250 To 400, Deduct	-1.23	
For >400 To 600, Deduct	-1.84	
For >600 To 750, Deduct	-2.45	
For >750, Deduct	-3.45	
33 21 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	26.08	
For >100 To 250, Deduct	-1.10	
For >250 To 400, Deduct	-1.75	
For >400 To 600, Deduct	-2.63	
For >600 To 750, Deduct	-3.50	
For >750, Deduct	-4.96	
33 21 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	33.25	
For >100 To 250, Deduct	-1.39	
For >250 To 400, Deduct	-2.22	
For >400 To 600, Deduct	-3.32	
For >600 To 750, Deduct	-4.43	
For >750, Deduct	-6.26	
33 21 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	40.80	
For >100 To 250, Deduct	-1.68	
For >250 To 400, Deduct	-2.70	
For >400 To 600, Deduct	-4.05	
For >600 To 750, Deduct	-5.40	
For >750, Deduct	-7.62	
33 21 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	52.43	
For >100 To 250, Deduct	-2.13	
For >250 To 400, Deduct	-3.44	
For >400 To 600, Deduct	-5.16	
For >600 To 750, Deduct	-6.88	
For >750, Deduct	-9.66	
33 21 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	59.98	
For >100 To 250, Deduct	-2.42	
For >250 To 400, Deduct	-3.92	
For >400 To 600, Deduct	-5.88	
For >600 To 750, Deduct	-7.85	
For >750, Deduct	-11.01	
33 21 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	71.54	
For >100 To 250, Deduct	-2.92	
For >250 To 400, Deduct	-4.70	
For >400 To 600, Deduct	-7.06	
For >600 To 750, Deduct	-9.41	
For >750, Deduct	-13.23	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	81.11	
For >100 To 250, Deduct	-3.32	
For >250 To 400, Deduct	-5.35	
For >400 To 600, Deduct	-8.02	
For >600 To 750, Deduct	-10.70	
For >750, Deduct	-15.05	
33 21 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	86.98	
For >100 To 250, Deduct	-3.53	
For >250 To 400, Deduct	-5.70	
For >400 To 600, Deduct	-8.55	
For >600 To 750, Deduct	-11.40	
For >750, Deduct	-16.01	
33 21 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	104.22	
For >100 To 250, Deduct	-4.27	
For >250 To 400, Deduct	-6.87	
For >400 To 600, Deduct	-10.31	
For >600 To 750, Deduct	-13.75	
For >750, Deduct	-19.34	
33 21 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	121.60	
For >100 To 250, Deduct	-5.07	
For >250 To 400, Deduct	-8.11	
For >400 To 600, Deduct	-12.16	
For >600 To 750, Deduct	-16.21	
For >750, Deduct	-22.90	
33 21 13 00-0117 Develop Well <small>(33 21 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process.		
33 21 13 00-0118 HR Develop Well.....	252.87	
33 21 13 00-0119 Pump Test <small>(33 21 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 21 13 00-0120 HR Pump Test Well	227.52	
33 21 13 00-0121 Test Well <small>(33 21 13 00-0001)</small>		
33 21 13 00-0122 VLF 2-1/2" Diameter Test Well.....	73.85	
33 21 13 00-0123 Surface Seal, Concrete Filled <small>(33 21 13)</small>		
33 21 13 00-0124 SF Surface Seal Well, Concrete Filled	23.95	
33 21 13 00-0125 Other Water Well <small>(33 21 13)</small>		
33 21 13 00-0126 SF Patch Hole In Well Casing	68.04	
33 21 13 00-0127 SF 1/2" Pressure Grout Well	1.79	
33 21 13 00-0128 SF 1" Pressure Grout Well	2.89	
33 21 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.15	
33 21 13 00-0130 Sterilization Of Well <small>(33 21 13)</small>		
33 21 13 00-0131 EA Well Sterilization, Chlorine.....	1,259.67	
33 21 13 00-0132 Submersible Well Pumps <small>(33 21 13)</small>		
Note: Includes pump end, motor and control box.		
33 21 13 00-0133 4" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,091.75	339.53
33 21 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,247.71	376.32
33 21 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,384.48	418.14
33 21 13 00-0138 Stainless Steel Case And Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,256.78	334.51
33 21 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,436.49	376.32
33 21 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,612.80	418.14
33 21 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,859.19	459.96
33 21 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,115.75	501.77
33 21 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,622.10	585.40
33 21 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,339.81	669.02
33 21 13 00-0146 6" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,132.92	836.28
33 21 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,640.29	919.91
33 21 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,169.34	1,003.53
33 21 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,314.28	1,170.79



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 26 Relief Wells (33 20)

33 26 00 00-0001 Drainage Wells (33 26)

33 26 00 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	20.83	
33 26 00 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	25.12	
33 26 00 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	33.00	

33 30 Sanitary Sewerage Utilities (33)

33 31 Sanitary Utility Sewerage Piping (33 30)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 00 00-0001 Plastic Sewer And Drain Piping (33 31)

33 31 00 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 00 00-0001)

33 31 00 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.04	2.39
33 31 00 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.90	2.91
33 31 00 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.38	4.13
33 31 00 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.44	4.50
33 31 00 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.59	5.80
33 31 00 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.14	7.77
33 31 00 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	23.03	10.31

33 31 00 00-0010 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 00 00-0001)

Note: D-2729 PVC pipe.

33 31 00 00-0011	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.99	4.26
33 31 00 00-0012	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.75	5.39
33 31 00 00-0013	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.44	8.08

33 31 00 00-0014 Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 00 00-0001)

33 31 00 00-0015 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)

33 31 00 00-0016	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	14.98	9.65
33 31 00 00-0017	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.31	12.49
33 31 00 00-0018	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	27.10	16.76
33 31 00 00-0019	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.10	19.38
33 31 00 00-0020	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	62.52	25.19
33 31 00 00-0021	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	93.14	33.90
33 31 00 00-0022	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	123.56	45.16

33 31 00 00-0023 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)

33 31 00 00-0024	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.09	9.65
33 31 00 00-0025	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.30	12.49
33 31 00 00-0026	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	26.94	16.76
33 31 00 00-0027	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	32.28	19.38
33 31 00 00-0028	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	60.43	25.19
33 31 00 00-0029	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	88.28	33.90
33 31 00 00-0030	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	109.26	45.16

33 31 00 00-0031 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)

33 31 00 00-0032	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.15	9.51
33 31 00 00-0033	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.09	12.49
33 31 00 00-0034	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	29.68	17.13
33 31 00 00-0035	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	39.08	20.91
33 31 00 00-0036	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.78	24.17
33 31 00 00-0037	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	74.33	27.58
33 31 00 00-0038	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	103.92	32.16

33 31 00 00-0039 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)

33 31 00 00-0040	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.33	9.65
33 31 00 00-0041	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.54	12.49
33 31 00 00-0042	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	27.63	16.76
33 31 00 00-0043	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.57	19.38
33 31 00 00-0044	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	69.47	25.19
33 31 00 00-0045	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	103.26	33.90
33 31 00 00-0046	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	125.85	45.16

33 31 00 00-0047 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)

33 31 00 00-0048	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	19.66	12.49
33 31 00 00-0049	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	28.85	17.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0050 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.34	17.13
33 31 00 00-0051 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.17	19.38
33 31 00 00-0052 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.41	19.38
33 31 00 00-0053 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	59.59	25.19
33 31 00 00-0054 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	94.17	29.76
33 31 00 00-0055 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	105.63	53.79
33 31 00 00-0056 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	119.61	53.79
33 31 00 00-0057 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	114.08	53.79
33 31 00 00-0058 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0059 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	22.74	14.59
33 31 00 00-0060 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.50	18.87
33 31 00 00-0061 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.68	24.90
33 31 00 00-0062 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	52.65	30.93
33 31 00 00-0063 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	87.47	33.90
33 31 00 00-0064 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	115.12	45.16
33 31 00 00-0065 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0066 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.60	14.59
33 31 00 00-0067 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	30.01	18.87
33 31 00 00-0068 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.33	24.90
33 31 00 00-0069 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	53.70	30.93
33 31 00 00-0070 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	83.51	33.90
33 31 00 00-0071 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	107.62	45.16
33 31 00 00-0072 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	142.64	60.25
33 31 00 00-0073 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0074 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.96	14.59
33 31 00 00-0075 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.33	18.87
33 31 00 00-0076 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.43	24.90
33 31 00 00-0077 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	52.26	30.93
33 31 00 00-0078 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	53.25	30.93
33 31 00 00-0079 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0080 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.96	18.87
33 31 00 00-0081 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.13	24.90
33 31 00 00-0082 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	62.65	33.61
33 31 00 00-0083 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	85.87	40.65
33 31 00 00-0084 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.72	24.90
33 31 00 00-0085 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	59.52	33.61
33 31 00 00-0086 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	80.69	40.65
33 31 00 00-0087 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0088 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.68	14.59
33 31 00 00-0089 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.69	18.87
33 31 00 00-0090 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	46.41	24.90
33 31 00 00-0091 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.09	30.93
33 31 00 00-0092 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	35.37	18.87
33 31 00 00-0093 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	49.74	24.90
33 31 00 00-0094 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	45.10	24.90
33 31 00 00-0095 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	63.53	30.93
33 31 00 00-0096 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	64.96	30.93
33 31 00 00-0097 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0098 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.80	18.87
33 31 00 00-0099 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.22	24.90
33 31 00 00-0100 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	58.80	33.61
33 31 00 00-0101 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	105.34	40.65
33 31 00 00-0102 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	228.54	45.01
33 31 00 00-0103 Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0104 EA 4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	144.04	77.72
33 31 00 00-0105 EA 6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	230.15	100.26
33 31 00 00-0106 EA 8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	311.30	141.29
33 31 00 00-0107 EA 10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	472.61	227.29
33 31 00 00-0108 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0109 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	14.94	9.65

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0110 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	19.07	12.41
33 31 00 00-0111 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	26.19	16.62
33 31 00 00-0112 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	31.04	19.38
33 31 00 00-0113 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	48.84	25.19
33 31 00 00-0114 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	82.69	33.90
33 31 00 00-0115 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	117.15	45.16
33 31 00 00-0116 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0117 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	83.00	52.54
33 31 00 00-0118 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	61.31	39.96
33 31 00 00-0119 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	61.92	39.96
33 31 00 00-0120 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	63.56	39.96
33 31 00 00-0121 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	83.45	52.54
33 31 00 00-0122 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	82.14	52.54
33 31 00 00-0123 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	79.98	52.54
33 31 00 00-0124 EA 4" Drain Grate, Drain And Sewer Fitting	42.06	27.02
33 31 00 00-0125 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0126 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	19.35	10.38
33 31 00 00-0127 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	27.85	12.93
33 31 00 00-0128 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	45.34	16.69
33 31 00 00-0129 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0130 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	15.24	9.65
33 31 00 00-0131 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	19.72	12.49
33 31 00 00-0132 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	27.62	16.76
33 31 00 00-0133 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	33.71	19.38
33 31 00 00-0134 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	50.13	25.19
33 31 00 00-0135 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	130.16	33.90
33 31 00 00-0136 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 00 00-0001)		
Note: ASTM 3034.		
33 31 00 00-0137 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	7.82	3.45
33 31 00 00-0138 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	10.21	3.72
33 31 00 00-0139 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	13.50	4.07
33 31 00 00-0140 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.03	4.79
33 31 00 00-0141 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	22.43	4.94
33 31 00 00-0142 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	34.84	8.12
33 31 00 00-0143 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	46.88	10.46
33 31 00 00-0144 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	60.94	12.19
33 31 00 00-0145 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	74.10	13.94
33 31 00 00-0146 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	90.31	15.67
33 31 00 00-0147 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 00 00-0001)		
Note: ASTM 3034.		
33 31 00 00-0148 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	6.95	3.45
33 31 00 00-0149 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	8.65	3.72
33 31 00 00-0150 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	10.96	4.07
33 31 00 00-0151 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 00 00-0001)		
Note: ASTM 3034.		
33 31 00 00-0152 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0153 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	44.94	17.79
33 31 00 00-0154 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	62.60	20.69
33 31 00 00-0155 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	117.06	23.45
33 31 00 00-0156 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	307.54	27.58
33 31 00 00-0157 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	397.07	35.16
33 31 00 00-0158 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0159 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	41.79	17.79
33 31 00 00-0160 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	59.13	20.69
33 31 00 00-0161 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	108.31	23.45
33 31 00 00-0162 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	225.07	27.58
33 31 00 00-0163 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	318.65	35.16
33 31 00 00-0164 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	665.03	49.65
33 31 00 00-0165 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,049.20	70.34
33 31 00 00-0166 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,733.52	93.09
33 31 00 00-0167 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,361.72	124.12
33 31 00 00-0168 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0169 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	67.86	26.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0170 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	99.90	29.58
33 31 00 00-0171 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	110.72	31.03
33 31 00 00-0172 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	120.98	32.48
33 31 00 00-0173 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	136.26	33.92
33 31 00 00-0174 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	240.36	35.38
33 31 00 00-0175 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	301.51	36.20
33 31 00 00-0176 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	339.54	37.93
33 31 00 00-0177 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	489.79	39.37
33 31 00 00-0178 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	631.49	41.37
33 31 00 00-0179 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	370.65	44.07
33 31 00 00-0180 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	392.60	45.51
33 31 00 00-0181 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	547.68	46.96
33 31 00 00-0182 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	776.89	48.96
33 31 00 00-0183 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	873.82	52.76
33 31 00 00-0184 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0185 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	65.42	26.69
33 31 00 00-0186 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	91.77	29.58
33 31 00 00-0187 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	99.81	31.03
33 31 00 00-0188 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	117.50	32.48
33 31 00 00-0189 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	132.11	33.92
33 31 00 00-0190 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	190.71	35.38
33 31 00 00-0191 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	278.11	36.48
33 31 00 00-0192 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	284.19	37.93
33 31 00 00-0193 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	415.27	39.37
33 31 00 00-0194 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	458.01	41.37
33 31 00 00-0195 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	350.98	44.07
33 31 00 00-0196 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	362.04	45.51
33 31 00 00-0197 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	505.80	46.96
33 31 00 00-0198 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	604.15	48.96
33 31 00 00-0199 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	631.95	52.76
33 31 00 00-0200 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	777.72	63.45
33 31 00 00-0201 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	860.64	67.23
33 31 00 00-0202 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,069.36	74.48
33 31 00 00-0203 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0204 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	44.66	17.79
33 31 00 00-0205 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	64.45	20.69
33 31 00 00-0206 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	90.20	23.59
33 31 00 00-0207 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	158.96	27.58
33 31 00 00-0208 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	222.76	35.16
33 31 00 00-0209 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	422.36	49.65
33 31 00 00-0210 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	778.33	70.34
33 31 00 00-0211 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,281.82	93.09
33 31 00 00-0212 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,848.19	124.12
33 31 00 00-0213 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0214 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	75.15	19.24
33 31 00 00-0215 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	102.87	20.69
33 31 00 00-0216 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	108.70	22.13
33 31 00 00-0217 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	226.91	24.13
33 31 00 00-0218 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	259.28	25.59
33 31 00 00-0219 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	289.27	27.93
33 31 00 00-0220 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	330.14	29.38
33 31 00 00-0221 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	376.91	31.38
33 31 00 00-0222 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	564.12	42.41
33 31 00 00-0223 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0224 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	65.50	
33 31 00 00-0225 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	84.77	
33 31 00 00-0226 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	86.28	
33 31 00 00-0227 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	134.36	
33 31 00 00-0228 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	140.66	
33 31 00 00-0229 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	249.03	
33 31 00 00-0230 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	154.54	
33 31 00 00-0231 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	166.35	
33 31 00 00-0232 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	341.32	
33 31 00 00-0233 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	398.19	
33 31 00 00-0234 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	183.84	
33 31 00 00-0235 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	194.15	
33 31 00 00-0236 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0237 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	69.03	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 31 00 00-0238	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	84.77	
33 31 00 00-0239	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	91.08	
33 31 00 00-0240	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	125.01	
33 31 00 00-0241	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	139.90	
33 31 00 00-0242	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	201.99	
33 31 00 00-0243	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	153.79	
33 31 00 00-0244	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	165.64	
33 31 00 00-0245	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	236.00	
33 31 00 00-0246	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	281.92	
33 31 00 00-0247	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	183.38	
33 31 00 00-0248	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	190.66	
33 31 00 00-0249	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	294.69	
33 31 00 00-0250	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	322.40	
33 31 00 00-0251	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	441.50	

33 31 00 00-0252 Couplings And Plug Fittings (33 31)**33 31 00 00-0253 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 31 00 00-0252)**

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Femco 1056.

33 31 00 00-0254	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.58	4.96
33 31 00 00-0255	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	14.87	5.79
33 31 00 00-0256	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.12	6.61
33 31 00 00-0257	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	19.35	7.03
33 31 00 00-0258	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	23.45	7.44
33 31 00 00-0259	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	27.59	8.26
33 31 00 00-0260	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	34.72	9.09
33 31 00 00-0261	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	42.54	9.50
33 31 00 00-0262	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	81.29	9.92
33 31 00 00-0263	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	111.37	10.74
33 31 00 00-0264	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	216.89	11.16
33 31 00 00-0265	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	252.28	11.78
33 31 00 00-0266	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	279.65	12.40
33 31 00 00-0267	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	335.29	13.22

33 31 00 00-0268 Cast Iron Service Saddles With U Bolt (33 31)

33 31 00 00-0269	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	86.09	
33 31 00 00-0270	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	86.76	
33 31 00 00-0271	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	95.07	
33 31 00 00-0272	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	92.80	
33 31 00 00-0273	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	105.72	
33 31 00 00-0274	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	120.33	
33 31 00 00-0275	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	143.09	
33 31 00 00-0276	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	123.04	
33 31 00 00-0277	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	130.64	
33 31 00 00-0278	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	154.56	
33 31 00 00-0279	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	96.61	
33 31 00 00-0280	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	104.91	
33 31 00 00-0281	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	129.22	
33 31 00 00-0282	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	154.02	
33 31 00 00-0283	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	168.17	

33 32 Wastewater Utility Pumping Stations (33 30)**33 32 16 Packaged Utility Wastewater Pumping Stations (33 32)****33 32 16 13 Packaged Sewage Grinder Pumping Units (33 32 16)****33 32 16 13-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16 13)**

33 32 16 13-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,905.71	244.06
		Note: Zoeller 840 series.		
33 32 16 13-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,876.41	244.06
		Note: Zoeller 840 series.		
33 32 16 13-0004	EA	Simplex Control Panel With Auto Reversing Switch.....	923.56	81.33
		Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0005	EA	Duplex Control Panel With Auto Reversing Switch.....	1,468.12	81.33
		Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V Environment One Model 2012-74.....	7,114.45	

33 32 16 13-0007 Submersible Grinder Pumps (33 32 16 13)

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 13-0008	EA	2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,304.37	501.77
33 32 16 13-0009	EA	3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	5,048.39	585.40
33 32 16 13-0010	EA	5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	6,158.33	752.66

33 36 Utility Septic Tanks (33 30)



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Utility Septic Tanks	33 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Excludes distribution field piping, trenching or excavation.

33 36 13 Utility Septic Tank And Effluent Wet Wells (33 36)

33 36 13 00-0001	Septic Tank (33 36 13) Note: Excludes excavation or piping.		
33 36 13 00-0002	Precast Concrete Septic Tank (33 36 13 00-0001) Note: Includes external coating.		
33 36 13 00-0003	EA 1,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	2,202.37 -396.54	501.77
33 36 13 00-0004	EA 1,250 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	2,630.95 -487.74	553.87
33 36 13 00-0005	EA 1,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	3,043.67 -574.95	605.88
33 36 13 00-0006	EA 2,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	3,867.93 -765.42	658.57
33 36 13 00-0007	EA 2,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	4,648.60 -883.97	909.46
33 36 13 00-0008	EA 4,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	11,989.86 -2,612.77	1,254.42
33 36 13 00-0009	EA 5,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	21,672.36 -4,842.70	1,881.63
33 36 13 00-0010	EA 7,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	24,463.62 -5,314.47	2,634.29
33 36 13 00-0011	EA 10,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	29,975.26 -6,532.09	3,151.78
33 36 13 00-0012	EA 12,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	35,490.82 -7,670.55	3,904.43

33 36 13 00-0013 High Density Polyethylene Septic Tank (33 36 13 00-0001)

33 36 13 00-0014	EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	714.97	149.67
33 36 13 00-0015	EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,071.17	168.38
33 36 13 00-0016	EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,475.82	205.80
33 36 13 00-0017	EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,521.81	224.51
33 36 13 00-0018	EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,755.40	243.22
33 36 13 00-0019	EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,091.98	261.92
33 36 13 00-0020	EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,476.41	187.09
33 36 13 00-0021	EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,619.90	224.51
33 36 13 00-0022	EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,895.17	243.22
33 36 13 00-0023	EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,214.59	261.92

33 36 13 00-0024 Fiberglass Septic Tank (33 36 13 00-0001)

33 36 13 00-0025	EA 1,000 Gallon Fiberglass Septic Tank.....	1,052.25	376.32
33 36 13 00-0026	EA 1,250 Gallon Fiberglass Septic Tank.....	1,340.72	501.77
33 36 13 00-0027	EA 1,500 Gallon Fiberglass Septic Tank.....	1,400.73	454.77
33 36 13 00-0028	EA 2,000 Gallon Fiberglass Septic Tank.....	1,719.99	492.32
33 36 13 00-0029	EA 2,500 Gallon Fiberglass Septic Tank.....	2,131.65	682.41
33 36 13 00-0030	EA 4,000 Gallon Fiberglass Septic Tank.....	4,924.17	940.81
33 36 13 00-0031	EA 5,000 Gallon Fiberglass Septic Tank.....	8,704.65	1,411.23
33 36 13 00-0032	EA 7,500 Gallon Fiberglass Septic Tank.....	10,071.55	1,975.72
33 36 13 00-0033	EA 10,000 Gallon Fiberglass Septic Tank.....	12,317.18	2,361.41

33 36 13 00-0034 Concrete Distribution Boxes (33 36 13)

Note: Includes internal and external coating.			
33 36 13 00-0035	EA 3 Outlet Concrete Distribution Box.....	197.34	49.01
33 36 13 00-0036	EA 5 Outlet Concrete Distribution Box.....	230.44	58.82
33 36 13 00-0037	EA 8 Outlet Concrete Distribution Box.....	388.59	68.62
33 36 13 00-0038	EA 12 Outlet Concrete Distribution Box.....	760.02	117.64

33 36 13 00-0039 Dosing Siphon (33 36 13)

33 36 13 00-0040	EA Dosing Siphon With Electrical Connection And Solenoid Valve.....	4,027.62	
33 36 13 00-0041	EA Solar Power Control For Dosing Siphon.....	2,767.78	
33 36 13 00-0042	EA Electrical Power Control For Dosing Siphon.....	2,659.54	

33 36 13 00-0043 Pump Out Septic Tanks (33 36 13)

33 36 13 00-0044	GAL Pump Out Septic Tank And Dispose	0.48	
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33 36 33 Utility Septic Tank Drainage Field (33 36)

33 36 33 00-0001 Leaching Field Chambers - Precast Concrete (33 36 33)

33 36 33 00-0002	EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	806.66	66.13
33 36 33 00-0003	EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	984.94	90.17

33 36 33 00-0004 Leaching Pit - Precast Concrete (33 36 33)

Note: Includes external coating.

33 Utilities**33 30 Sanitary Sewerage Utilities****33 36 Utility Septic Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 36	33 00-0005	EA 3' Diameter, 3' High, Precast Concrete Leaching Pit	676.79	73.59
	33 36	33 00-0006	EA 4' Diameter, 3' High, Precast Concrete Leaching Pit	954.92	104.53
	33 36	33 00-0007	EA 6' Diameter, 3' High, Precast Concrete Leaching Pit	1,271.97	125.44
	33 36	33 00-0008	EA 8' Diameter, 4' High, Precast Concrete Leaching Pit	2,068.95	209.07
	33 36	33 00-0009	EA 10' Diameter, 4' High, Precast Concrete Leaching Pit	3,023.99	292.70

33 39 Sanitary Utility Sewerage Structures (33 39)**33 39 13 Sanitary Utility Sewerage Manholes, Frames, And Covers** (33 39)

See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill, 33 44 19 00-0000 for oil separators.

33 39 13 00-0001	Manholes <small>(33 39 13)</small>				
33 39 13 00-0002	Cast In Place Concrete, 8" Thick <small>(33 39 13 00-0001)</small>				
	Note: Includes base, wall, top and block-out for openings.				
33 39 13 00-0003	48" Diameter <small>(33 39 13 00-0002)</small>				
33 39 13 00-0004	EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick		1,449.19	474.28	
33 39 13 00-0005	EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick		1,998.38	648.89	
33 39 13 00-0006	EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick		2,846.11	972.75	
33 39 13 00-0007	VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'		351.76	121.64	
33 39 13 00-0008	Precast Concrete Manholes <small>(33 39 13 00-0001)</small>				
	Note: Includes base, riser(s), reducer and openings. See CSI section 33 39 13 00-0044 for top slabs.				
33 39 13 00-0009	3' Diameter, 8" Thick Walls <small>(33 39 13 00-0008)</small>				
33 39 13 00-0010	EA 3' Diameter x 4' Deep Precast Manhole 8" Thick		924.60	224.48	
	For 6" Thick Wall, Deduct		-70.01		
33 39 13 00-0011	EA 3' Diameter x 6' Deep Precast Manhole 8" Thick		1,289.86	306.99	
	For 6" Thick Wall, Deduct		-98.29		
33 39 13 00-0012	EA 3' Diameter x 8' Deep Precast Manhole 8" Thick		1,797.12	460.48	
	For 6" Thick Wall, Deduct		-133.66		
33 39 13 00-0013	VLF 3' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'		221.52	61.39	
	For 6" Thick Wall, Deduct		-16.40		
33 39 13 00-0014	3'-6" Diameter, 8" Thick Walls <small>(33 39 13 00-0008)</small>				
33 39 13 00-0015	EA 3'-6" Diameter x 4' Deep Precast Manhole 8" Thick		1,037.69	234.08	
	For 6" Thick Wall, Deduct		-80.36		
33 39 13 00-0016	EA 3'-6" Diameter x 6' Deep Precast Manhole 8" Thick		1,443.22	320.03	
	For 6" Thick Wall, Deduct		-112.32		
33 39 13 00-0017	EA 3'-6" Diameter x 8' Deep Precast Manhole 8" Thick		1,996.05	479.66	
	For 6" Thick Wall, Deduct		-151.64		
33 39 13 00-0018	VLF 3'-6" Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'		245.07	61.39	
	For 6" Thick Wall, Deduct		-18.52		
33 39 13 00-0019	4' Diameter, 8" Thick Walls <small>(33 39 13 00-0008)</small>				
33 39 13 00-0020	EA 4' Diameter x 4' Deep Precast Manhole 8" Thick		1,154.13	241.75	
	For 6" Thick Wall, Deduct		-91.08		
33 39 13 00-0021	EA 4' Diameter x 6' Deep Precast Manhole 8" Thick		1,599.66	330.01	
	For 6" Thick Wall, Deduct		-126.71		
33 39 13 00-0022	EA 4' Diameter x 8' Deep Precast Manhole 8" Thick		2,199.31	498.85	
	For 6" Thick Wall, Deduct		-170.05		
33 39 13 00-0023	VLF 4' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'		269.34	63.32	
	For 6" Thick Wall, Deduct		-20.70		
33 39 13 00-0024	VLF 4' Diameter x Vertical Linear Foot Depth Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone 8" Thick		324.65	63.32	
	For 6" Thick Wall, Deduct		-26.23		
33 39 13 00-0025	5' Diameter, 8" Thick Walls <small>(33 39 13 00-0008)</small>				
33 39 13 00-0026	EA 5' Diameter x 4' Deep Precast Manhole 8" Thick		1,414.89	268.61	
	For 6" Thick Wall, Deduct		-114.55		
33 39 13 00-0027	EA 5' Diameter x 6' Deep Precast Manhole 8" Thick		1,945.66	368.38	
	For 6" Thick Wall, Deduct		-157.78		
33 39 13 00-0028	EA 5' Diameter x 8' Deep Precast Manhole 8" Thick		2,647.27	552.57	
	For 6" Thick Wall, Deduct		-209.54		
33 39 13 00-0029	VLF 5' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'		322.37	69.07	
	For 6" Thick Wall, Deduct		-25.33		
33 39 13 00-0030	VLF 5' Diameter x Vertical Linear Foot Depth Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone 8" Thick		382.14	69.07	
	For 6" Thick Wall, Deduct		-31.31		
33 39 13 00-0031	6' Diameter, 8" Thick Walls <small>(33 39 13 00-0008)</small>				
33 39 13 00-0032	EA 6' Diameter x 4' Deep Precast Manhole 8" Thick		1,699.61	299.30	
33 39 13 00-0033	EA 6' Diameter x 6' Deep Precast Manhole 8" Thick		2,319.80	406.75	
33 39 13 00-0034	EA 6' Diameter x 8' Deep Precast Manhole 8" Thick		3,131.23	613.96	
33 39 13 00-0035	VLF 6' Diameter x Vertical Linear Foot Depth Precast Manhole 8" Thick, Over 8'		378.79	76.75	
33 39 13 00-0036	VLF 6' Diameter x Vertical Linear Foot Depth Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone 8" Thick		434.10	76.75	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0037				Brick Manholes <small>(33 39 13 00-0001)</small>		
33 39 13 00-0038				4' Inside Diameter x 8" Wall (2 Brick) <small>(33 39 13 00-0037)</small>		
33 39 13 00-0039	EA			4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall	2,103.58	768.59
33 39 13 00-0040	EA			4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall	3,076.86	1,131.93
33 39 13 00-0041	EA			4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall	4,070.97	1,537.20
33 39 13 00-0042	VLF			4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'.....	527.78	192.15
33 39 13 00-0043				Manhole Accessories <small>(33 39 13)</small>		
33 39 13 00-0044				Precast Concrete Manhole Tops <small>(33 39 13 00-0043)</small>		
33 39 13 00-0045				Precast Slab Tops <small>(33 39 13 00-0044)</small>		
33 39 13 00-0046	EA			3' Diameter x 8" Thick Precast Manhole Top Slab.....	380.44	57.56
33 39 13 00-0047	EA			3'-6" Diameter x 8" Thick Precast Manhole Top Slab	444.62	59.87
33 39 13 00-0048	EA			4' Diameter x 8" Thick Precast Manhole Top Slab	516.33	62.16
33 39 13 00-0049	EA			5' Diameter x 8" Thick Precast Manhole Top Slab.....	683.16	66.77
33 39 13 00-0050	EA			6' Diameter x 8" Thick Precast Manhole Top Slab.....	810.76	71.37
33 39 13 00-0051				Precast Cone Tops <small>(33 39 13 00-0044)</small>		
33 39 13 00-0052	EA			3' Diameter x 8" Thick Precast Manhole Top Cone	588.20	71.95
33 39 13 00-0053	EA			3'-6" Diameter x 8" Thick Precast Manhole Top Cone	649.77	74.82
33 39 13 00-0054	EA			4' Diameter x 8" Thick Precast Manhole Top Cone	711.36	77.71
33 39 13 00-0055	EA			5' Diameter x 8" Thick Precast Manhole Top Cone	830.67	82.51
33 39 13 00-0056	EA			6' Diameter x 8" Thick Precast Manhole Top Cone	953.83	88.25
33 39 13 00-0057				Pipe To Manhole Connector <small>(33 39 13 00-0043)</small>		
33 39 13 00-0058				Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 39 13 00-0057)</small>		
33 39 13 00-0059	EA			4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	51.81	
33 39 13 00-0060	EA			6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	72.74	
33 39 13 00-0061	EA			8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	82.18	
33 39 13 00-0062	EA			10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	118.79	
33 39 13 00-0063	EA			12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	163.73	
33 39 13 00-0064	EA			15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	218.83	
33 39 13 00-0065	EA			18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	381.14	
33 39 13 00-0066	EA			21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	526.20	
33 39 13 00-0067	EA			24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	814.51	
33 39 13 00-0068	EA			27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	963.79	
33 39 13 00-0069				Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 39 13 00-0057)</small> Note: Fernco CMA.		
33 39 13 00-0070	EA			4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	70.82	
33 39 13 00-0071	EA			6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	97.56	
33 39 13 00-0072	EA			8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	123.02	
33 39 13 00-0073	EA			10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	148.38	
33 39 13 00-0074	EA			12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	172.30	
33 39 13 00-0075				Brick And Grout Pipe To Manhole Connector <small>(33 39 13 00-0057)</small>		
33 39 13 00-0076	EA			Seal Gap Between Pipe And Structure With Brick And Grout	174.06	
33 39 13 00-0077				Inverts For Manholes <small>(33 39 13 00-0043)</small>		
33 39 13 00-0078	EA			Single Channel Concrete Invert For Manholes.....	313.56	
33 39 13 00-0079	EA			Double Channel Concrete Invert For Manholes.....	453.58	
33 39 13 00-0080	EA			Triple Channel Concrete Invert For Manholes.....	610.41	
33 39 13 00-0081	EA			Quad Channel Concrete Invert For Manholes	767.21	
33 39 13 00-0082	EA			Single Channel Brick Invert For Manholes.....	446.91	
33 39 13 00-0083	EA			Double Channel Brick Invert For Manholes	669.27	
33 39 13 00-0084	EA			Triple Channel Brick Invert For Manholes.....	895.54	
33 39 13 00-0085	EA			Quad Channel Brick Invert For Manholes.....	1,118.95	
33 39 13 00-0086				Steps For Cast-In-Place Manholes <small>(33 39 13 00-0043)</small> See CSI section 33 01 30 73-0061 for installation of steps in existing manholes.		
33 39 13 00-0087	EA			Cast Iron Manhole Step	54.63	
33 39 13 00-0088	EA			Galvanized Steel Manhole Step.....	37.81	
33 39 13 00-0089	EA			Aluminum Manhole Step.....	35.98	
33 39 13 00-0090	EA			Polypropylene Manhole Step.....	30.02	
33 39 13 00-0091				Protective Coating For New Manholes <small>(33 39 13 00-0043)</small>		
33 39 13 00-0092				Polyurethane Protective Coating For New Manholes <small>(33 39 13 00-0091)</small>		

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0093 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	130.82	
For 80 Mil Material, Add	17.46	
For 100 Mil Material, Add	34.93	
For 125 Mil Material, Add	54.86	
For 150 Mil Material, Add	74.79	
For 200 Mil Material, Add	109.59	
For 2 To 5 Manholes, Deduct	-9.07	
For 6 To 10 Manholes, Deduct	-14.87	
For >10 Manholes, Deduct	-29.74	
33 39 13 00-0094 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	158.28	
For 80 Mil Material, Add	20.81	
For 100 Mil Material, Add	41.61	
For 125 Mil Material, Add	65.30	
For 150 Mil Material, Add	88.99	
For 200 Mil Material, Add	130.19	
For 2 To 5 Manholes, Deduct	-11.01	
For 6 To 10 Manholes, Deduct	-18.06	
For >10 Manholes, Deduct	-36.11	
33 39 13 00-0095 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	174.43	
For 80 Mil Material, Add	23.29	
For 100 Mil Material, Add	46.57	
For 125 Mil Material, Add	73.15	
For 150 Mil Material, Add	99.73	
For 200 Mil Material, Add	146.14	
For 2 To 5 Manholes, Deduct	-12.09	
For 6 To 10 Manholes, Deduct	-19.83	
For >10 Manholes, Deduct	-39.66	
33 39 13 00-0096 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	218.06	
For 80 Mil Material, Add	29.12	
For 100 Mil Material, Add	58.23	
For 125 Mil Material, Add	91.47	
For 150 Mil Material, Add	124.70	
For 200 Mil Material, Add	182.73	
For 2 To 5 Manholes, Deduct	-15.12	
For 6 To 10 Manholes, Deduct	-24.79	
For >10 Manholes, Deduct	-49.58	
33 39 13 00-0097 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	252.68	
For 80 Mil Material, Add	34.26	
For 100 Mil Material, Add	68.53	
For 125 Mil Material, Add	107.73	
For 150 Mil Material, Add	146.94	
For 200 Mil Material, Add	215.68	
For 2 To 5 Manholes, Deduct	-17.47	
For 6 To 10 Manholes, Deduct	-28.62	
For >10 Manholes, Deduct	-57.24	
33 39 13 00-0098 Polyvinyl Chloride (PVC) Liner (33 39 13 00-0091)		
Note: For new manholes and shop applied.		
33 39 13 00-0099 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	139.28	
33 39 13 00-0100 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	170.73	
33 39 13 00-0101 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	208.35	
33 39 13 00-0102 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	261.65	
33 39 13 00-0103 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	314.95	
33 39 13 00-0104 SF Polyvinyl Chloride (PVC) Liner At Structures	20.18	
33 39 13 00-0105 Concrete Grade Extensions/Grade Rings (33 39 13 00-0043)		
33 39 13 00-0106 18" Diameter (33 39 13 00-0105)		
33 39 13 00-0107 EA 4" High, 8" Wall, 18" Diameter Concrete Grade Extension	71.42	
33 39 13 00-0108 EA 6" High, 8" Wall, 18" Diameter Concrete Grade Extension	78.80	
33 39 13 00-0109 EA 8" High, 8" Wall, 18" Diameter Concrete Grade Extension	86.18	
33 39 13 00-0110 EA 10" High, 8" Wall, 18" Diameter Concrete Grade Extension	85.62	
33 39 13 00-0111 24" Diameter (33 39 13 00-0105)		
33 39 13 00-0112 EA 4" High, 8" Wall, 24" Diameter Concrete Grade Extension	80.30	
33 39 13 00-0113 EA 6" High, 8" Wall, 24" Diameter Concrete Grade Extension	88.68	
33 39 13 00-0114 EA 8" High, 8" Wall, 24" Diameter Concrete Grade Extension	97.07	
33 39 13 00-0115 EA 10" High, 8" Wall, 24" Diameter Concrete Grade Extension	105.45	
33 39 13 00-0116 30" Diameter (33 39 13 00-0105)		
33 39 13 00-0117 EA 4" High, 8" Wall, 30" Diameter Concrete Grade Extension	88.96	
33 39 13 00-0118 EA 6" High, 8" Wall, 30" Diameter Concrete Grade Extension	98.31	
33 39 13 00-0119 EA 8" High, 8" Wall, 30" Diameter Concrete Grade Extension	107.66	
33 39 13 00-0120 EA 10" High, 8" Wall, 30" Diameter Concrete Grade Extension	117.01	
33 39 13 00-0121 Bentonite Collar (33 39 13 00-0043)		
33 39 13 00-0122 Bentonite Collar At Manhole Connections (33 39 13 00-0121)		
33 39 13 00-0123 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	94.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0124 EA >12" To 21", Bentonite Collar At Manhole Connection	149.32	
33 39 13 00-0125 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	238.40	
33 39 13 00-0126 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	559.34	
33 39 13 00-0127 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	860.40	
33 39 13 00-0128 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,558.80	
33 39 13 00-0129 Manhole Covers And Frames <small>(33 39 13)</small>		
33 39 13 00-0130 Regular Manhole Covers And Frames, City Type <small>(33 39 13 00-0129)</small>		
33 39 13 00-0131 EA 18" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type	430.10	66.00
<i>For Malleable Iron Castings, Add</i>	69.17	
<i>For Ductile Iron Castings, Add</i>	161.39	
<i>For Heavy Duty, Add</i>	160.51	
33 39 13 00-0132 EA 18" Diameter x 100 LB Regular Cast Iron Manhole Cover With Frame, City Type	643.58	66.00
<i>For Malleable Iron Castings, Add</i>	133.21	
<i>For Ductile Iron Castings, Add</i>	310.83	
<i>For Heavy Duty, Add</i>	235.23	
33 39 13 00-0133 EA 24" Square x 126 LB Regular Cast Iron Manhole Cover With Frame, City Type	656.66	72.14
<i>For Malleable Iron Castings, Add</i>	131.93	
<i>For Ductile Iron Castings, Add</i>	307.84	
<i>For Heavy Duty, Add</i>	240.68	
33 39 13 00-0134 EA 24" Diameter x 200 LB Regular Cast Iron Manhole Cover With Frame, City Type	678.00	72.14
<i>For Malleable Iron Castings, Add</i>	138.33	
<i>For Ductile Iron Castings, Add</i>	322.78	
<i>For Heavy Duty, Add</i>	248.14	
33 39 13 00-0135 EA 24" Diameter x 300 LB Regular Cast Iron Manhole Cover With Frame, City Type	738.33	76.75
<i>For Malleable Iron Castings, Add</i>	152.42	
<i>For Ductile Iron Castings, Add</i>	355.66	
<i>For Heavy Duty, Add</i>	269.93	
33 39 13 00-0136 EA 24" Diameter x 400 LB Regular Cast Iron Manhole Cover With Frame, City Type	813.00	85.19
<i>For Malleable Iron Castings, Add</i>	167.15	
<i>For Ductile Iron Castings, Add</i>	390.03	
<i>For Heavy Duty, Add</i>	297.34	
33 39 13 00-0137 EA 24" Square x 500 LB Regular Cast Iron Manhole Cover With Frame, City Type	956.03	85.19
<i>For Malleable Iron Castings, Add</i>	210.06	
<i>For Ductile Iron Castings, Add</i>	490.15	
<i>For Heavy Duty, Add</i>	347.40	
33 39 13 00-0138 EA 26" Diameter x 475 LB Regular Cast Iron Manhole Cover With Frame, City Type	949.85	92.10
<i>For Malleable Iron Castings, Add</i>	201.74	
<i>For Ductile Iron Castings, Add</i>	470.72	
<i>For Heavy Duty, Add</i>	346.32	
33 39 13 00-0139 EA 30" Diameter x 620 LB Regular Cast Iron Manhole Cover With Frame, City Type	1,075.53	95.94
<i>For Malleable Iron Castings, Add</i>	236.32	
<i>For Ductile Iron Castings, Add</i>	551.42	
<i>For Heavy Duty, Add</i>	390.83	
33 39 13 00-0140 Watertight Type Manhole Covers And Frames <small>(33 39 13 00-0129)</small>		
33 39 13 00-0141 EA 20" Diameter x 200 LB Watertight Manhole Cover With Frame	658.79	54.49
<i>For Malleable Iron Castings, Add</i>	132.57	
<i>For Ductile Iron Castings, Add</i>	309.33	
33 39 13 00-0142 EA 22" Diameter x 300 LB Watertight Manhole Cover With Frame	843.24	54.49
<i>For Malleable Iron Castings, Add</i>	182.55	
<i>For Ductile Iron Castings, Add</i>	425.94	
33 39 13 00-0143 EA 24" Diameter x 350 LB Watertight Manhole Cover With Frame	947.47	63.70
<i>For Malleable Iron Castings, Add</i>	207.50	
<i>For Ductile Iron Castings, Add</i>	484.16	
33 39 13 00-0144 EA 26" Diameter x 500 LB Watertight Manhole Cover With Frame	1,165.79	71.37
<i>For Malleable Iron Castings, Add</i>	266.52	
<i>For Ductile Iron Castings, Add</i>	621.88	
33 39 13 00-0145 EA 30" Diameter x 550 LB Watertight Manhole Cover With Frame	1,129.53	72.91
<i>For Malleable Iron Castings, Add</i>	252.52	
<i>For Ductile Iron Castings, Add</i>	589.22	
33 39 13 00-0146 EA 32" Diameter x 575 LB Watertight Manhole Cover With Frame	1,214.43	74.44
<i>For Malleable Iron Castings, Add</i>	276.86	
<i>For Ductile Iron Castings, Add</i>	646.02	
33 39 13 00-0147 EA 36" Diameter x 600 LB Watertight Manhole Cover With Frame	1,380.61	76.75
<i>For Malleable Iron Castings, Add</i>	325.54	
<i>For Ductile Iron Castings, Add</i>	759.60	
33 39 13 00-0148 Aluminum Manhole Covers And Frames <small>(33 39 13 00-0129)</small>		
33 39 13 00-0149 EA 12" Square Aluminum Manhole Cover With Frame	371.72	23.26
33 39 13 00-0150 EA 18" Square Aluminum Manhole Cover With Frame	640.61	25.76
33 39 13 00-0151 EA 24" Square Aluminum Manhole Cover With Frame	900.56	29.90
33 39 13 00-0152 Remove And Reinstall Manhole Cover And Frame <small>(33 39 13 00-0129)</small>		
33 39 13 00-0153 EA Remove And Reinstall Manhole Cover And Frame	307.70	
33 39 13 00-0154 Rainguard Inflow Protectors <small>(33 39 13 00-0129)</small>		
33 39 13 00-0155 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	90.96	16.96

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0156	EA		22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	102.30	16.96
33 39 13 00-0157	EA		24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	122.40	20.35
33 39 13 00-0158	EA		26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	129.56	20.35
33 39 13 00-0159	EA		30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	159.09	23.73
33 39 13 00-0160	EA		32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	167.88	23.73
33 39 13 00-0161			Waste Water Collection System Taps (33 39 13)		
			Note: For tapping existing structures only. Includes grout.		
33 39 13 00-0162			Brick Manhole Taps (33 39 13 00-0161)		
33 39 13 00-0163	EA		4" Tap In 6" Brick Manhole.....	364.25	
33 39 13 00-0164	EA		6" Tap In 6" Brick Manhole.....	407.48	
33 39 13 00-0165	EA		8" Tap In 6" Brick Manhole.....	449.94	
33 39 13 00-0166	EA		10" Tap In 6" Brick Manhole.....	492.31	
33 39 13 00-0167	EA		12" Tap In 6" Brick Manhole.....	542.23	
33 39 13 00-0168	EA		15" Tap In 6" Brick Manhole.....	584.52	
33 39 13 00-0169			Precast Concrete Manhole Tap (33 39 13 00-0161)		
33 39 13 00-0170	EA		4" Tap In 8" Thick Precast Concrete Manhole.....	533.70	
33 39 13 00-0171	EA		6" Tap In 8" Thick Precast Concrete Manhole.....	598.55	
33 39 13 00-0172	EA		8" Tap In 8" Thick Precast Concrete Manhole.....	668.26	
33 39 13 00-0173	EA		10" Tap In 8" Thick Precast Concrete Manhole.....	731.82	
33 39 13 00-0174	EA		12" Tap In 8" Thick Precast Concrete Manhole.....	795.24	
33 39 13 00-0175	EA		15" Tap In 8" Thick Precast Concrete Manhole.....	860.21	
33 40 Storm Drainage Utilities (33)					
33 41 Storm Utility Drainage Piping (33 40)					
			Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 41 13 Public Storm Utility Drainage Piping (33 41)					
33 41 13 00-0001 Reinforced Concrete Piping (33 41 13)					
33 41 13 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 41 13 00-0001)					
			Note: Excludes assemblies.		
33 41 13 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	32.01	12.11
			For >1,000, Deduct	-1.60	
			For Class 4, Add	1.40	
			For Class 5, Add	4.41	
33 41 13 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	38.08	13.47
			For >1,000, Deduct	-1.90	
			For Class 4, Add	1.79	
			For Class 5, Add	5.65	
33 41 13 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	43.81	16.81
			For >1,000, Deduct	-2.19	
			For Class 4, Add	1.88	
			For Class 5, Add	5.94	
33 41 13 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	56.02	21.19
			For >1,000, Deduct	-2.80	
			For Class 4, Add	2.45	
			For Class 5, Add	7.73	
33 41 13 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	65.90	25.74
			For >1,000, Deduct	-3.30	
			For Class 4, Add	2.77	
			For Class 5, Add	8.74	
33 41 13 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	82.52	32.01
			For >1,000, Deduct	-4.13	
			For Class 4, Add	3.49	
			For Class 5, Add	11.03	
33 41 13 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	87.57	33.06
			For >1,000, Deduct	-4.38	
			For Class 4, Add	3.78	
			For Class 5, Add	11.93	
33 41 13 00-0010	LF		36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	107.08	37.57
			For >1,000, Deduct	-5.35	
			For Class 4, Add	5.13	
			For Class 5, Add	16.19	
33 41 13 00-0011	LF		42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	136.52	41.33
			For >1,000, Deduct	-6.83	
			For Class 4, Add	7.42	
			For Class 5, Add	23.42	
33 41 13 00-0012	LF		48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	162.57	46.03
			For >1,000, Deduct	-8.13	
			For Class 4, Add	9.20	
			For Class 5, Add	29.05	
33 41 13 00-0013	LF		54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	200.87	52.59
			For >1,000, Deduct	-10.04	
			For Class 4, Add	11.94	
			For Class 5, Add	37.72	



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	241.78 -12.09 14.69 46.38	61.02
33 41	13 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	364.41 -18.22 25.48 80.47	67.63
33 41	13 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	423.64 -21.18 30.25 95.53	73.64
33 41	13 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	507.67 -25.38 36.99 116.80	82.66
33 41	13 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	649.42 -32.47 49.20 155.38	92.05
33 41	13 00-0019		HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 41 13 00-0001)		
33 41	13 00-0020	LF	18" x 12" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	49.78 -2.49 2.31 5.08 11.09	18.68
33 41	13 00-0021	LF	23" x 14" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	74.79 -3.74 4.29 9.43 20.58	22.34
33 41	13 00-0022	LF	30" x 19" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	104.99 -5.25 5.61 12.34 26.92	34.22
33 41	13 00-0023	LF	34" x 22" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	123.54 -6.18 6.27 13.80 30.10	42.59
33 41	13 00-0024	LF	38" x 24" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	137.03 -6.85 7.35 16.16 35.27	44.49
33 41	13 00-0025	LF	42" x 27" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	156.46 -7.82 8.94 19.66 42.89	46.98
33 41	13 00-0026	LF	45" x 29" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	175.88 -8.79 10.52 23.15 50.51	49.46
33 41	13 00-0027	LF	53" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	213.11 -10.66 13.54 29.78 64.97	54.43
33 41	13 00-0028	LF	60" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	255.85 -12.79 16.84 37.05 80.83	61.21
33 41	13 00-0029	LF	68" x 43" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	310.45 -15.52 21.05 46.31 101.04	69.96
33 41	13 00-0030	LF	76" x 48" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	383.98 -19.20 26.81 58.97 128.66	81.16
33 41	13 00-0031		Concrete Reducing Wye Without Gaskets (33 41 13 00-0001)		
33 41	13 00-0032	EA	12" Concrete Reducing Wye Without Gaskets	357.43	46.13
33 41	13 00-0033	EA	15" Concrete Reducing Wye Without Gaskets	428.96	56.22
33 41	13 00-0034	EA	18" Concrete Reducing Wye Without Gaskets	527.60	61.99
33 41	13 00-0035	EA	21" Concrete Reducing Wye Without Gaskets	607.35	76.40

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0036 EA 24" Concrete Reducing Wye Without Gaskets.....	688.25	92.26
33 41 13 00-0037 Concrete Pipe Joint Gaskets (33 41 13 00-0001)		
33 41 13 00-0038 EA 12" Diameter Concrete Pipe Joint Gasket.....	3.26	
33 41 13 00-0039 EA 15" Diameter Concrete Pipe Joint Gasket.....	3.86	
33 41 13 00-0040 EA 18" Diameter Concrete Pipe Joint Gasket.....	4.47	
33 41 13 00-0041 EA 21" Diameter Concrete Pipe Joint Gasket.....	5.40	
33 41 13 00-0042 EA 24" Diameter Concrete Pipe Joint Gasket.....	6.33	
33 41 13 00-0043 EA 27" Diameter Concrete Pipe Joint Gasket.....	7.06	
33 41 13 00-0044 EA 30" Diameter Concrete Pipe Joint Gasket.....	7.75	
33 41 13 00-0045 EA 36" Diameter Concrete Pipe Joint Gasket.....	9.47	
33 41 13 00-0046 EA 42" Diameter Concrete Pipe Joint Gasket.....	10.98	
33 41 13 00-0047 EA 48" Diameter Concrete Pipe Joint Gasket.....	12.66	
33 41 13 00-0048 EA 54" Diameter Concrete Pipe Joint Gasket.....	15.52	
33 41 13 00-0049 EA 60" Diameter Concrete Pipe Joint Gasket.....	22.98	
33 41 13 00-0050 EA 66" Diameter Concrete Pipe Joint Gasket.....	12.92	
33 41 13 00-0051 EA 72" Diameter Concrete Pipe Joint Gasket.....	24.77	
33 41 13 00-0052 EA 78" Diameter Concrete Pipe Joint Gasket.....	15.42	
33 41 13 00-0053 EA 84" Diameter Concrete Pipe Joint Gasket.....	18.49	
33 41 13 00-0054 Precast Concrete End Sections (33 41 13 00-0001)		
33 41 13 00-0055 Precast Concrete End Sections (33 41 13 00-0054)		
33 41 13 00-0056 EA 12" Diameter Pipe, Precast Concrete End Section.....	582.05	84.55
33 41 13 00-0057 EA 15" Diameter Pipe, Precast Concrete End Section.....	784.06	104.66
33 41 13 00-0058 EA 18" Diameter Pipe, Precast Concrete End Section.....	969.89	132.48
33 41 13 00-0059 EA 21" Diameter Pipe, Precast Concrete End Section.....	1,111.06	158.43
33 41 13 00-0060 EA 24" Diameter Pipe, Precast Concrete End Section.....	1,176.20	183.37
33 41 13 00-0061 EA 27" Diameter Pipe, Precast Concrete End Section.....	1,464.69	223.92
33 41 13 00-0062 EA 30" Diameter Pipe, Precast Concrete End Section.....	1,804.02	336.34
33 41 13 00-0063 EA 36" Diameter Pipe, Precast Concrete End Section.....	2,224.20	424.41
33 41 13 00-0064 EA 42" Diameter Pipe, Precast Concrete End Section.....	2,684.35	532.39
33 41 13 00-0065 EA 48" Diameter Pipe, Precast Concrete End Section.....	2,936.03	600.39
33 41 13 00-0066 EA 54" Diameter Pipe, Precast Concrete End Section.....	3,196.29	672.53
33 41 13 00-0067 EA 60" Diameter Pipe, Precast Concrete End Section.....	3,462.87	747.66
33 41 13 00-0068 EA 66" Diameter Pipe Precast Concrete End Section.....	3,522.36	614.48
33 41 13 00-0069 EA 72" Diameter Pipe Precast Concrete End Section.....	4,014.48	768.07
33 41 13 00-0070 EA 78" Diameter Pipe Precast Concrete End Section.....	4,758.55	960.09
33 41 13 00-0071 EA 84" Diameter Pipe Precast Concrete End Section.....	5,625.66	1,152.11
33 41 13 00-0072 Flared Precast Concrete End Sections (33 41 13 00-0054)		
33 41 13 00-0073 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	733.81	87.55
33 41 13 00-0074 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	882.64	109.11
33 41 13 00-0075 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,069.56	138.11
33 41 13 00-0076 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,219.61	165.16
33 41 13 00-0077 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,491.81	191.16
33 41 13 00-0078 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,773.06	305.30
33 41 13 00-0079 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,808.93	420.34
33 41 13 00-0080 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,457.13	530.51
33 41 13 00-0081 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	2,938.46	665.62
33 41 13 00-0082 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	3,168.92	750.67
33 41 13 00-0083 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,544.09	840.76
33 41 13 00-0084 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	3,925.73	933.86
33 41 13 00-0085 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	4,583.66	1,075.96
33 41 13 00-0086 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	5,365.05	1,200.92
33 41 13 00-0087 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	6,087.54	1,350.98
33 41 13 00-0088 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	7,042.33	1,500.89
33 41 13 00-0089 Elliptical Precast Concrete End Sections (33 41 13 00-0054)		
33 41 13 00-0090 EA 18" x 12" Elliptical Precast Concrete End Section.....	1,062.34	109.11
33 41 13 00-0091 EA 23" x 14" Elliptical Precast Concrete End Section.....	1,285.10	138.11
33 41 13 00-0092 EA 30" x 19" Elliptical Precast Concrete End Section.....	1,793.00	191.16
33 41 13 00-0093 EA 34" x 22" Elliptical Precast Concrete End Section.....	2,101.72	305.30
33 41 13 00-0094 EA 38" x 24" Elliptical Precast Concrete End Section.....	2,103.36	420.34
33 41 13 00-0095 EA 42" x 27" Elliptical Precast Concrete End Section.....	2,487.83	475.65
33 41 13 00-0096 EA 45" x 29" Elliptical Precast Concrete End Section.....	2,872.30	530.51
33 41 13 00-0097 EA 53" x 34" Elliptical Precast Concrete End Section.....	3,423.27	665.62
33 41 13 00-0098 EA 60" x 38" Elliptical Precast Concrete End Section.....	3,679.39	750.67
33 41 13 00-0099 EA 68" x 43" Elliptical Precast Concrete End Section.....	4,114.54	840.76
33 41 13 00-0100 EA 76" x 48" Elliptical Precast Concrete End Section.....	4,556.50	933.86
33 41 13 00-0101 Mitered Precast Concrete End Sections (33 41 13 00-0054)		
33 41 13 00-0102 EA 12" Round Mitered Precast Concrete End Sections.....	289.46	87.55
33 41 13 00-0103 EA 15" Round Mitered Precast Concrete End Sections.....	321.02	109.11
33 41 13 00-0104 EA 18" Round Mitered Precast Concrete End Sections.....	389.89	138.11



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0105	EA	24" Round Mitered Precast Concrete End Sections	560.80	191.16
33 41	13 00-0106	EA	18" x 12" Elliptical Mitered Precast Concrete End Sections.....	340.82	109.11
33 41	13 00-0107	EA	23" x 14" Elliptical Mitered Precast Concrete End Sections.....	425.07	138.11
33 41	13 00-0108	EA	30" x 19" Elliptical Mitered Precast Concrete End Sections.....	603.67	191.16
33 41	13 00-0109		Prestressed Concrete Cylinder Piping (33 41 13)		
33 41	13 00-0110		150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 41 13 00-0109)		
33 41	13 00-0111		150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 41 13 00-0110)		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 41	13 00-0112	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	80.68	12.11
			For >1,000, Deduct	-4.03	
			For 100 PSI, Deduct	-15.85	
33 41	13 00-0113	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	86.29	13.47
			For >1,000, Deduct	-4.31	
			For 100 PSI, Deduct	-16.76	
33 41	13 00-0114	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	94.72	16.81
			For >1,000, Deduct	-4.74	
			For 100 PSI, Deduct	-17.68	
33 41	13 00-0115	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	104.66	21.19
			For >1,000, Deduct	-5.23	
			For 100 PSI, Deduct	-18.60	
33 41	13 00-0116	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	114.82	25.74
			For >1,000, Deduct	-5.74	
			For 100 PSI, Deduct	-19.52	
33 41	13 00-0117	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	135.19	33.06
			For >1,000, Deduct	-6.76	
			For 100 PSI, Deduct	-21.85	
33 41	13 00-0118	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	149.87	37.57
			For >1,000, Deduct	-7.49	
			For 100 PSI, Deduct	-24.19	
33 41	13 00-0119	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	173.21	41.33
			For >1,000, Deduct	-8.66	
			For 100 PSI, Deduct	-28.69	
33 41	13 00-0120	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	198.51	46.03
			For >1,000, Deduct	-9.93	
			For 100 PSI, Deduct	-33.19	
33 41	13 00-0121	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	262.67	59.64
			For >1,000, Deduct	-13.13	
			For 100 PSI, Deduct	-44.37	
33 41	13 00-0122	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	315.67	69.19
			For >1,000, Deduct	-15.78	
			For 100 PSI, Deduct	-54.21	
33 41	13 00-0123	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	354.24	76.69
			For >1,000, Deduct	-17.71	
			For 100 PSI, Deduct	-61.30	
33 41	13 00-0124	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	394.49	83.50
			For >1,000, Deduct	-19.72	
			For 100 PSI, Deduct	-68.80	
33 41	13 00-0125	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	447.77	93.72
			For >1,000, Deduct	-22.39	
			For 100 PSI, Deduct	-78.39	
33 41	13 00-0126	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	501.04	104.38
			For >1,000, Deduct	-25.05	
			For 100 PSI, Deduct	-87.98	
33 41	13 00-0127	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	616.66	121.84
			For >1,000, Deduct	-30.83	
			For 100 PSI, Deduct	-110.50	
33 41	13 00-0128	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	724.18	139.14
			For >1,000, Deduct	-36.21	
			For 100 PSI, Deduct	-131.35	
33 41	13 00-0129	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	839.94	150.14
			For >1,000, Deduct	-42.00	
			For 100 PSI, Deduct	-156.37	
33 41	13 00-0130	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	944.95	159.43
			For >1,000, Deduct	-47.25	
			For 100 PSI, Deduct	-179.30	
33 41	13 00-0131	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,133.37	168.73
			For >1,000, Deduct	-56.67	
			For 100 PSI, Deduct	-223.08	
33 41	13 00-0132	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,312.32	177.23
			For >1,000, Deduct	-65.62	
			For 100 PSI, Deduct	-264.78	
33 41	13 00-0133	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,427.89	185.75
			For >1,000, Deduct	-71.39	
			For 100 PSI, Deduct	-290.63	
33 41	13 00-0134	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,545.12	194.26
			For >1,000, Deduct	-77.26	
			For 100 PSI, Deduct	-316.90	
33 41	13 00-0135	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,661.53	202.78
			For >1,000, Deduct	-83.08	
			For 100 PSI, Deduct	-342.96	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0136 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,777.93 -88.90 -369.02	211.29
33 41 13 00-0137 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets ⁽³³⁾ <small>41 13 00-0110)</small>		
33 41 13 00-0138 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	312.11	113.52
33 41 13 00-0139 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	434.43	162.18
33 41 13 00-0140 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	562.57	216.24
33 41 13 00-0141 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	690.71	270.29
33 41 13 00-0142 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	842.61	335.89
33 41 13 00-0143 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,073.95	450.49
33 41 13 00-0144 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,318.65	526.00
33 41 13 00-0145 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,536.38	613.91
33 41 13 00-0146 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,734.57	701.08
33 41 13 00-0147 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,139.86	875.40
33 41 13 00-0148 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,831.87	1,192.89
33 41 13 00-0149 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,493.38	1,448.50
33 41 13 00-0150 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,795.76	1,874.53
33 41 13 00-0151 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,503.69	2,385.76
33 41 13 00-0152 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,644.19	3,622.06
33 41 13 00-0153 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,084.49	6,036.77
33 41 13 00-0154 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,192.10	6,985.39
33 41 13 00-0155 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,342.33	7,934.03
33 41 13 00-0156 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets ⁽³³⁾ <small>41 13 00-0110)</small>		
33 41 13 00-0157 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	295.10	113.52
33 41 13 00-0158 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	412.42	162.18
33 41 13 00-0159 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	536.55	216.24
33 41 13 00-0160 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	660.69	270.29
33 41 13 00-0161 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	808.58	335.89
33 41 13 00-0162 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,027.24	420.22
33 41 13 00-0163 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,265.28	526.00
33 41 13 00-0164 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,474.67	613.91
33 41 13 00-0165 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,668.19	701.08
33 41 13 00-0166 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,039.51	875.40
33 41 13 00-0167 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,742.02	1,192.89
33 41 13 00-0168 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,390.51	1,448.50
33 41 13 00-0169 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,418.39	1,874.53
33 41 13 00-0170 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,928.56	2,385.76
33 41 13 00-0171 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,524.93	3,622.06
33 41 13 00-0172 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	15,420.59	6,036.77
33 41 13 00-0173 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,795.50	7,934.03
33 41 13 00-0174 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,414.47	7,934.03
33 41 13 00-0175 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 41 13 00-0109)		
33 41 13 00-0176 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 41 13 00-0175) Note: AWWA C301		
33 41 13 00-0177 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints <i>For >1,000, Deduct</i>	157.13 -7.86	33.06
33 41 13 00-0178 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints <i>For >1,000, Deduct</i>	190.38 -9.52	37.57
33 41 13 00-0179 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints <i>For >1,000, Deduct</i>	221.30 -11.07	41.33
33 41 13 00-0180 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 41 13 00-0175) Note: AWWA C301		
33 41 13 00-0181 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	295.12 -14.76	45.98
33 41 13 00-0182 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	355.40 -17.77	59.64
33 41 13 00-0183 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	409.85 -20.49	69.19
33 41 13 00-0184 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	460.88 -23.04	76.69
33 41 13 00-0185 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	555.22 -27.76	83.50
33 41 13 00-0186 Welded Joints For Prestressed Concrete Cylinder Pipe ^(33 41 13 00-0175) Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 41 13 00-0187 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,030.38	
33 41 13 00-0188 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,254.85	
33 41 13 00-0189 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,367.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0190 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,816.03	
33 41 13 00-0191 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,928.27	
33 41 13 00-0192 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,152.74	
33 41 13 00-0193 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,264.98	
33 41 13 00-0194 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,377.21	
33 41 13 00-0195 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,611.81	
33 41 13 00-0196 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,611.81	
33 41 13 00-0197 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,397.47	
33 41 13 00-0198 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,397.47	
33 41 13 00-0199 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,846.41	
33 41 13 00-0200 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,846.41	
33 41 13 00-0201 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	7,407.59	
33 41 13 00-0202 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	7,407.59	
33 41 13 00-0203 Quick Test Joints <small>(33 41 13 00-0175)</small>		
33 41 13 00-0204 EA 30" Quick Test Joint.....	316.33	
33 41 13 00-0205 EA 36" Quick Test Joint.....	320.08	
33 41 13 00-0206 EA 42" Quick Test Joint.....	323.84	
33 41 13 00-0207 EA 48" Quick Test Joint.....	331.13	
33 41 13 00-0208 EA 54" Quick Test Joint.....	349.65	
33 41 13 00-0209 EA 60" Quick Test Joint.....	364.04	
33 41 13 00-0210 EA 66" Quick Test Joint.....	384.32	
33 41 13 00-0211 EA 72" Quick Test Joint.....	404.59	
33 41 13 00-0212 Harnessed Joints <small>(33 41 13 00-0175)</small>		
33 41 13 00-0213 Harness Clamp Restrained Joints <small>(33 41 13 00-0212)</small>		
33 41 13 00-0214 EA 30" Harness Clamp Restrained Joint.....	2,664.25	
33 41 13 00-0215 EA 36" Harness Clamp Restrained Joint.....	2,768.16	
33 41 13 00-0216 EA 42" Harness Clamp Restrained Joint.....	2,872.08	
33 41 13 00-0217 EA 48" Harness Clamp Restrained Joint.....	2,975.99	
33 41 13 00-0218 EA 54" Harness Clamp Restrained Joint.....	3,089.98	
33 41 13 00-0219 EA 60" Harness Clamp Restrained Joint.....	3,248.73	
33 41 13 00-0220 EA 66" Harness Clamp Restrained Joint.....	3,357.42	
33 41 13 00-0221 EA 72" Harness Clamp Restrained Joint.....	3,596.30	
33 41 13 00-0222 Snap Ring Restrained Joints <small>(33 41 13 00-0212)</small>		
33 41 13 00-0223 EA 30" Snap Ring Restrained Joint.....	460.76	
33 41 13 00-0224 EA 36" Snap Ring Restrained Joint.....	524.60	
33 41 13 00-0225 EA 42" Snap Ring Restrained Joint.....	698.63	
33 41 13 00-0226 EA 48" Snap Ring Restrained Joint.....	792.52	
33 41 13 00-0227 EA 54" Snap Ring Restrained Joint.....	896.50	
33 41 13 00-0228 EA 60" Snap Ring Restrained Joint.....	1,015.18	
33 41 13 00-0229 EA 66" Snap Ring Restrained Joint.....	1,123.87	
33 41 13 00-0230 EA 72" Snap Ring Restrained Joint.....	1,252.58	
33 41 13 00-0231 Pipe Repairs <small>(33 41 13 00-0175)</small>		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 41 13 00-0232 Lined Cylinder Pipe Repair <small>(33 41 13 00-0231)</small>		
33 41 13 00-0233 EA 30" Lined Cylinder Pipe Repair.....	4,329.96	
33 41 13 00-0234 EA 36" Lined Cylinder Pipe Repair.....	5,362.50	
33 41 13 00-0235 EA 42" Lined Cylinder Pipe Repair.....	6,147.10	
33 41 13 00-0236 Embedded Cylinder Pipe Repair <small>(33 41 13 00-0231)</small>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 41 13 00-0237 EA 48" Embedded Cylinder Pipe Repair.....	8,973.75	
33 41 13 00-0238 EA 54" Embedded Cylinder Pipe Repair.....	10,395.84	
33 41 13 00-0239 EA 60" Embedded Cylinder Pipe Repair.....	11,830.58	
33 41 13 00-0240 EA 66" Embedded Cylinder Pipe Repair.....	13,363.21	
33 41 13 00-0241 EA 72" Embedded Cylinder Pipe Repair.....	15,986.29	
33 41 13 00-0242 High Density Polyethylene (HDPE) Drainage Piping <small>(33 41 13)</small>		
33 41 13 00-0243 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0242)</small>		
Note: Excludes couplings and gaskets.		
33 41 13 00-0244 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0243)</small>		
33 41 13 00-0245 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.81	4.98
For <100, Add		1.99
For >1,000, Deduct		-0.54

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0246 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.75	5.78
For <100, Add	2.31	
For >1,000, Deduct	-0.69	
33 41 13 00-0247 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.72	6.73
For <100, Add	2.69	
For >1,000, Deduct	-0.84	
33 41 13 00-0248 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.63	6.96
For <100, Add	2.79	
For >1,000, Deduct	-0.93	
33 41 13 00-0249 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.52	7.21
For <100, Add	2.88	
For >1,000, Deduct	-0.98	
33 41 13 00-0250 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.78	7.47
For <100, Add	2.99	
For >1,000, Deduct	-1.09	
33 41 13 00-0251 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.68	7.74
For <100, Add	3.09	
For >1,000, Deduct	-1.28	
33 41 13 00-0252 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	34.39	9.06
For <100, Add	3.63	
For >1,000, Deduct	-1.72	
33 41 13 00-0253 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	48.43	12.21
For <100, Add	4.88	
For >1,000, Deduct	-2.42	
33 41 13 00-0254 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	63.32	15.42
For <100, Add	6.17	
For >1,000, Deduct	-3.17	
33 41 13 00-0255 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0243)</small>		
33 41 13 00-0256 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.43	7.21
For <100, Add	2.88	
For >1,000, Deduct	-0.97	
33 41 13 00-0257 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.14	7.47
For <100, Add	2.99	
For >1,000, Deduct	-1.11	
33 41 13 00-0258 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.22	7.74
For <100, Add	3.09	
For >1,000, Deduct	-1.31	
33 41 13 00-0259 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.24	9.06
For <100, Add	3.63	
For >1,000, Deduct	-1.76	
33 41 13 00-0260 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	50.77	12.21
For <100, Add	4.88	
For >1,000, Deduct	-2.54	
33 41 13 00-0261 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.06	15.42
For <100, Add	6.17	
For >1,000, Deduct	-3.25	
33 41 13 00-0262 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	83.05	16.82
For <100, Add	6.73	
For >1,000, Deduct	-4.15	
33 41 13 00-0263 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	90.91	18.98
For <100, Add	7.59	
For >1,000, Deduct	-4.55	
33 41 13 00-0264 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0242)</small>		
Note: Excludes couplings and gaskets.		
33 41 13 00-0265 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0264)</small>		
33 41 13 00-0266 LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.48	4.98
For <100, Add	1.99	
For >1,000, Deduct	-0.52	
33 41 13 00-0267 LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.74	5.78
For <100, Add	2.31	
For >1,000, Deduct	-0.64	
33 41 13 00-0268 LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.53	6.73
For <100, Add	2.69	
For >1,000, Deduct	-0.78	
33 41 13 00-0269 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.76	6.96
For <100, Add	2.79	
For >1,000, Deduct	-0.89	
33 41 13 00-0270 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.19	7.21
For <100, Add	2.88	
For >1,000, Deduct	-0.96	
33 41 13 00-0271 LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.88	7.47
For <100, Add	2.99	
For >1,000, Deduct	-1.09	
33 41 13 00-0272 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.35	7.74
For <100, Add	3.09	
For >1,000, Deduct	-1.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0273 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	35.12 3.63 -1.76	9.06
33 41 13 00-0274 Perforated, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0242) Note: Excludes couplings and gaskets.		
33 41 13 00-0275 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0274)		
33 41 13 00-0276 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	10.82 1.99 -0.54	4.98
33 41 13 00-0277 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	13.76 2.31 -0.69	5.78
33 41 13 00-0278 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	16.72 2.69 -0.84	6.73
33 41 13 00-0279 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	18.64 2.79 -0.93	6.96
33 41 13 00-0280 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.52 2.88 -0.98	7.21
33 41 13 00-0281 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	21.79 2.99 -1.09	7.47
33 41 13 00-0282 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	25.69 3.09 -1.28	7.74
33 41 13 00-0283 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	34.39 3.63 -1.72	9.06
33 41 13 00-0284 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	48.58 4.88 -2.43	12.21
33 41 13 00-0285 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	63.32 6.17 -3.17	15.42
33 41 13 00-0286 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0274)		
33 41 13 00-0287 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.45 2.88 -0.97	7.21
33 41 13 00-0288 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.15 2.99 -1.11	7.47
33 41 13 00-0289 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	26.23 3.09 -1.31	7.74
33 41 13 00-0290 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	35.24 3.63 -1.76	9.06
33 41 13 00-0291 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	50.77 4.88 -2.54	12.21
33 41 13 00-0292 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	65.06 6.17 -3.25	15.42
33 41 13 00-0293 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	83.05 6.73 -4.15	16.82
33 41 13 00-0294 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	90.91 7.59 -4.55	18.98
33 41 13 00-0295 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0274)		
33 41 13 00-0296 LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	10.49 1.99 -0.52	4.98

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0297 LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	12.74 2.31 -0.64	5.78
33 41 13 00-0298 LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	15.47 2.69 -0.77	6.73
33 41 13 00-0299 LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	17.76 2.79 -0.89	6.96
33 41 13 00-0300 LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.19 2.88 -0.96	7.21
33 41 13 00-0301 LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	21.88 2.99 -1.09	7.47
33 41 13 00-0302 LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	26.35 3.09 -1.32	7.74
33 41 13 00-0303 LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	35.12 3.63 -1.76	9.06
33 41 13 00-0304 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 13 00-0242)</small> Note: Excludes couplings and gaskets.		
33 41 13 00-0305 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0304)</small>		
33 41 13 00-0306 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	45.19	16.55
33 41 13 00-0307 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	56.85	19.32
33 41 13 00-0308 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	92.15	23.46
33 41 13 00-0309 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	140.90	28.98
33 41 13 00-0310 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	222.88	34.50
33 41 13 00-0311 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	314.75	45.08
33 41 13 00-0312 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	452.86	60.71
33 41 13 00-0313 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	580.81	69.30
33 41 13 00-0314 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,016.85	80.03
33 41 13 00-0315 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,306.47	92.45
33 41 13 00-0316 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,177.09	110.39
33 41 13 00-0317 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,732.98	131.09
33 41 13 00-0318 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0304)</small>		
33 41 13 00-0319 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	66.60	16.55
33 41 13 00-0320 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	80.34	19.32
33 41 13 00-0321 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	106.98	23.46
33 41 13 00-0322 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	157.25	28.98
33 41 13 00-0323 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	275.49	34.50
33 41 13 00-0324 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	298.62	45.08
33 41 13 00-0325 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	421.47	60.71
33 41 13 00-0326 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0304)</small>		
33 41 13 00-0327 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	27.43	11.04
33 41 13 00-0328 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	33.89	12.88
33 41 13 00-0329 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	49.57	15.64
33 41 13 00-0330 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	62.40	19.32
33 41 13 00-0331 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	90.73	23.00
33 41 13 00-0332 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	143.63	29.44
33 41 13 00-0333 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	190.29	40.48
33 41 13 00-0334 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	362.39	45.99
33 41 13 00-0335 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	503.96	53.35
33 41 13 00-0336 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	590.61	61.64
33 41 13 00-0337 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	755.00	73.59
33 41 13 00-0338 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,021.14	87.39
33 41 13 00-0339 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0304)</small>		
33 41 13 00-0340 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	29.78	11.04
33 41 13 00-0341 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	38.77	12.88
33 41 13 00-0342 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	52.06	15.64
33 41 13 00-0343 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	82.67	19.32
33 41 13 00-0344 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	90.73	23.00
33 41 13 00-0345 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	143.23	29.44
33 41 13 00-0346 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	222.97	40.48
33 41 13 00-0347 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	387.64	45.99
33 41 13 00-0348 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	505.16	53.35



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0349 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	645.03	61.64
33 41 13 00-0350 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	965.05	73.59
33 41 13 00-0351 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,209.40	87.39
33 41 13 00-0352 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 41 13 00-0242) Note: Excludes couplings and gaskets.		
33 41 13 00-0353 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 13 00-0352)		
33 41 13 00-0354 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	30.78	16.55
33 41 13 00-0355 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	36.61	19.32
33 41 13 00-0356 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	59.66	23.46
33 41 13 00-0357 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	76.63	28.98
33 41 13 00-0358 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	114.05	34.50
33 41 13 00-0359 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	248.64	45.08
33 41 13 00-0360 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	297.10	60.71
33 41 13 00-0361 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	563.58	69.00
33 41 13 00-0362 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 13 00-0352)		
33 41 13 00-0363 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	31.66	16.55
33 41 13 00-0364 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	39.51	19.32
33 41 13 00-0365 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	89.97	23.46
33 41 13 00-0366 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 13 00-0352)		
33 41 13 00-0367 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	20.81	11.04
33 41 13 00-0368 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 13 00-0352)		
33 41 13 00-0369 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	21.74	11.04
33 41 13 00-0370 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	28.15	12.88
33 41 13 00-0371 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	41.95	15.64
33 41 13 00-0372 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	55.32	19.32
33 41 13 00-0373 Couplings And End Sections, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0242) Note: For single and double wall high density polyethylene (HDPE) piping.		
33 41 13 00-0374 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0373)		
33 41 13 00-0375 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.40	
33 41 13 00-0376 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	2.51	
33 41 13 00-0377 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	3.86	
33 41 13 00-0378 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	4.74	
33 41 13 00-0379 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.10	
33 41 13 00-0380 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.27	
33 41 13 00-0381 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.75	
33 41 13 00-0382 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.11	
33 41 13 00-0383 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.27	
33 41 13 00-0384 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	34.38	
33 41 13 00-0385 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	54.05	
33 41 13 00-0386 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	73.10	
33 41 13 00-0387 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0373)		
33 41 13 00-0388 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	74.01	
33 41 13 00-0389 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	77.50	
33 41 13 00-0390 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	81.15	
33 41 13 00-0391 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	84.96	
33 41 13 00-0392 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	100.77	
33 41 13 00-0393 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	104.04	
33 41 13 00-0394 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	108.51	
33 41 13 00-0395 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	123.60	
33 41 13 00-0396 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	198.14	
33 41 13 00-0397 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	217.03	
33 41 13 00-0398 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	236.47	
33 41 13 00-0399 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	287.20	
33 41 13 00-0400 End Sections, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0373)		
33 41 13 00-0401 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	171.48	41.37
33 41 13 00-0402 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	204.11	46.55
33 41 13 00-0403 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	216.56	49.99
33 41 13 00-0404 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	258.82	55.17
33 41 13 00-0405 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	335.47	65.51

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0406	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	841.86	74.13
33 41	13 00-0407	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	936.18	82.75
33 41	13 00-0408		Corrugated Metal Piping <small>(33 41 13)</small>		
33 41	13 00-0409		Galvanized Corrugated Steel Piping <small>(33 41 13 00-0408)</small>		
33 41	13 00-0410		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0409)</small>		
33 41	13 00-0411		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0410)</small>		
33 41	13 00-0412	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	24.03	7.57
			<i>For Bituminous Coated Pipe, Add</i>	2.01	
			<i>For Bituminous Coated And 25% Paved, Add</i>	4.11	
			<i>For Smooth-Flo, Add</i>	7.34	
33 41	13 00-0413	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	26.73	7.93
			<i>For Bituminous Coated Pipe, Add</i>	2.53	
			<i>For Bituminous Coated And 25% Paved, Add</i>	5.17	
			<i>For Smooth-Flo, Add</i>	9.24	
33 41	13 00-0414	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	29.54	8.65
			<i>For Bituminous Coated Pipe, Add</i>	3.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	6.27	
			<i>For Smooth-Flo, Add</i>	11.19	
33 41	13 00-0415	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	33.35	9.37
			<i>For Bituminous Coated Pipe, Add</i>	3.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.49	
			<i>For Smooth-Flo, Add</i>	13.38	
33 41	13 00-0416	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	36.80	10.09
			<i>For Bituminous Coated Pipe, Add</i>	4.12	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.43	
			<i>For Smooth-Flo, Add</i>	15.05	
33 41	13 00-0417	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.71	12.97
			<i>For Bituminous Coated Pipe, Add</i>	5.35	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.94	
			<i>For Smooth-Flo, Add</i>	19.54	
33 41	13 00-0418	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	62.94	16.53
			<i>For Bituminous Coated Pipe, Add</i>	6.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.80	
			<i>For Smooth-Flo, Add</i>	24.65	
33 41	13 00-0419	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	71.24	19.54
			<i>For Bituminous Coated Pipe, Add</i>	7.98	
			<i>For Bituminous Coated And 25% Paved, Add</i>	16.33	
			<i>For Smooth-Flo, Add</i>	29.15	
33 41	13 00-0420	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	80.10	22.54
			<i>For Bituminous Coated Pipe, Add</i>	8.94	
			<i>For Bituminous Coated And 25% Paved, Add</i>	18.29	
			<i>For Smooth-Flo, Add</i>	32.65	
33 41	13 00-0421		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0420)</small>		
33 41	13 00-0422	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	25.82	7.57
			<i>For Bituminous Coated Pipe, Add</i>	2.04	
			<i>For Bituminous Coated And 25% Paved, Add</i>	4.72	
			<i>For Smooth-Flo, Add</i>	9.55	
33 41	13 00-0423	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	28.94	7.93
			<i>For Bituminous Coated Pipe, Add</i>	2.56	
			<i>For Bituminous Coated And 25% Paved, Add</i>	5.92	
			<i>For Smooth-Flo, Add</i>	11.98	
33 41	13 00-0424	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	32.20	8.65
			<i>For Bituminous Coated Pipe, Add</i>	3.09	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.17	
			<i>For Smooth-Flo, Add</i>	14.49	
33 41	13 00-0425	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	36.43	9.37
			<i>For Bituminous Coated Pipe, Add</i>	3.68	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.53	
			<i>For Smooth-Flo, Add</i>	17.24	
33 41	13 00-0426	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	40.39	10.09
			<i>For Bituminous Coated Pipe, Add</i>	4.17	
			<i>For Bituminous Coated And 25% Paved, Add</i>	9.65	
			<i>For Smooth-Flo, Add</i>	19.51	
33 41	13 00-0427	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	53.09	12.97
			<i>For Bituminous Coated Pipe, Add</i>	5.35	
			<i>For Bituminous Coated And 25% Paved, Add</i>	12.39	
			<i>For Smooth-Flo, Add</i>	25.05	
33 41	13 00-0428	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	68.25	16.53
			<i>For Bituminous Coated Pipe, Add</i>	6.70	
			<i>For Bituminous Coated And 25% Paved, Add</i>	15.53	
			<i>For Smooth-Flo, Add</i>	31.40	
33 41	13 00-0429	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	77.33	19.54
			<i>For Bituminous Coated Pipe, Add</i>	7.89	
			<i>For Bituminous Coated And 25% Paved, Add</i>	18.28	
			<i>For Smooth-Flo, Add</i>	36.96	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0430	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	87.07 8.87 20.55 41.54	22.54
33 41	13 00-0431	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	103.51 10.91 25.27 51.08	25.55
33 41	13 00-0432		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{41 13 00-0410)}</small>		
33 41	13 00-0433	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	37.73 3.54 6.40 12.30	8.65
33 41	13 00-0434	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	42.85 4.19 7.56 14.54	9.37
33 41	13 00-0435	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	47.71 4.75 8.58 16.48	9.37
33 41	13 00-0436	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	62.14 6.04 10.91 20.96	12.97
33 41	13 00-0437	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	78.99 7.47 13.49 25.92	16.53
33 41	13 00-0438	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	89.74 8.75 15.80 30.37	19.54
33 41	13 00-0439	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	101.29 9.88 17.85 34.30	22.54
33 41	13 00-0440	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	119.21 11.85 21.40 41.12	25.55
33 41	13 00-0441	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	130.28 12.98 23.43 45.03	27.05
33 41	13 00-0442	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	157.66 15.80 28.53 54.82	33.06
33 41	13 00-0443		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{41 13 00-0410)}</small>		
33 41	13 00-0444	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	89.04 9.50 15.87 22.64	16.53
33 41	13 00-0445	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	101.50 11.13 18.59 26.53	19.54
33 41	13 00-0446	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	114.63 12.58 21.01 29.98	22.54
33 41	13 00-0447	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	134.16 14.90 24.89 35.51	25.55
33 41	13 00-0448	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	146.92 16.36 27.33 39.00	27.05
33 41	13 00-0449	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	175.95 19.57 32.70 46.65	33.06
33 41	13 00-0450	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	215.04 21.01 35.10 50.09	48.09

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0451			3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0409)		
33 41 13 00-0452			16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0451)		
33 41 13 00-0453	LF		36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	72.15	16.53
			For Bituminous Coated Pipe, Add	7.42	
			For Bituminous Coated And 25% Paved, Add	16.84	
			For Smooth-Flo, Add	33.53	
33 41 13 00-0454	LF		42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	81.81	19.54
			For Bituminous Coated Pipe, Add	8.71	
			For Bituminous Coated And 25% Paved, Add	19.77	
			For Smooth-Flo, Add	39.37	
33 41 13 00-0455	LF		48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	92.01	22.54
			For Bituminous Coated Pipe, Add	9.77	
			For Bituminous Coated And 25% Paved, Add	22.18	
			For Smooth-Flo, Add	44.16	
33 41 13 00-0456	LF		54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	109.18	25.55
			For Bituminous Coated Pipe, Add	11.93	
			For Bituminous Coated And 25% Paved, Add	27.09	
			For Smooth-Flo, Add	53.94	
33 41 13 00-0457	LF		60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	118.96	27.05
			For Bituminous Coated Pipe, Add	13.00	
			For Bituminous Coated And 25% Paved, Add	29.51	
			For Smooth-Flo, Add	58.77	
33 41 13 00-0458	LF		66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	148.24	33.06
			For Bituminous Coated Pipe, Add	16.70	
			For Bituminous Coated And 25% Paved, Add	37.91	
			For Smooth-Flo, Add	75.48	
33 41 13 00-0459	LF		72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	184.64	48.09
			For Bituminous Coated Pipe, Add	17.80	
			For Bituminous Coated And 25% Paved, Add	40.41	
			For Smooth-Flo, Add	80.46	
33 41 13 00-0460	LF		78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	199.73	52.59
			For Bituminous Coated Pipe, Add	18.91	
			For Bituminous Coated And 25% Paved, Add	42.92	
			For Smooth-Flo, Add	85.46	
33 41 13 00-0461	LF		84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	212.76	56.36
			For Bituminous Coated Pipe, Add	20.01	
			For Bituminous Coated And 25% Paved, Add	45.42	
			For Smooth-Flo, Add	90.45	
33 41 13 00-0462	LF		90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	225.83	60.12
			For Bituminous Coated Pipe, Add	21.12	
			For Bituminous Coated And 25% Paved, Add	47.94	
			For Smooth-Flo, Add	95.46	
33 41 13 00-0463	LF		96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	239.40	63.87
			For Bituminous Coated Pipe, Add	22.22	
			For Bituminous Coated And 25% Paved, Add	50.44	
			For Smooth-Flo, Add	100.43	
33 41 13 00-0464	LF		102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	255.09	67.63
			For Bituminous Coated Pipe, Add	23.33	
			For Bituminous Coated And 25% Paved, Add	52.97	
			For Smooth-Flo, Add	105.47	
33 41 13 00-0465			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0451)		
33 41 13 00-0466	LF		54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	118.58	25.55
			For Bituminous Coated Pipe, Add	13.81	
			For Bituminous Coated And 25% Paved, Add	27.08	
			For Smooth-Flo, Add	54.70	
33 41 13 00-0467	LF		60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	129.36	27.05
			For Bituminous Coated Pipe, Add	15.08	
			For Bituminous Coated And 25% Paved, Add	29.56	
			For Smooth-Flo, Add	59.72	
33 41 13 00-0468	LF		66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	159.69	33.06
			For Bituminous Coated Pipe, Add	18.99	
			For Bituminous Coated And 25% Paved, Add	37.22	
			For Smooth-Flo, Add	75.20	
33 41 13 00-0469	LF		72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	197.11	48.09
			For Bituminous Coated Pipe, Add	20.29	
			For Bituminous Coated And 25% Paved, Add	39.78	
			For Smooth-Flo, Add	80.36	
33 41 13 00-0470	LF		78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	213.20	52.59
			For Bituminous Coated Pipe, Add	21.60	
			For Bituminous Coated And 25% Paved, Add	42.34	
			For Smooth-Flo, Add	85.54	
33 41 13 00-0471	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	227.30	56.36
			For Bituminous Coated Pipe, Add	22.92	
			For Bituminous Coated And 25% Paved, Add	44.92	
			For Smooth-Flo, Add	90.76	
33 41 13 00-0472	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	241.34	60.12
			For Bituminous Coated Pipe, Add	24.22	
			For Bituminous Coated And 25% Paved, Add	47.48	
			For Smooth-Flo, Add	95.92	



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0473 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	255.94 25.53 50.03 101.09	63.87
33 41 13 00-0474 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	272.62 26.84 52.61 106.29	67.63
33 41 13 00-0475 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	291.05 28.15 55.18 111.49	75.15
33 41 13 00-0476 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	309.06 29.44 57.71 116.59	82.66
33 41 13 00-0477 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0451)</small>		
33 41 13 00-0478 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	152.44 19.70 37.52 61.16	27.05
33 41 13 00-0479 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	185.25 24.10 45.91 74.84	33.06
33 41 13 00-0480 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	224.90 25.85 49.25 80.27	48.09
33 41 13 00-0481 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	243.24 27.61 52.59 85.72	52.59
33 41 13 00-0482 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	259.57 29.37 55.95 91.20	56.36
33 41 13 00-0483 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	275.87 31.13 59.30 96.65	60.12
33 41 13 00-0484 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.74 32.89 62.65 102.12	63.87
33 41 13 00-0485 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	311.68 34.65 66.01 107.59	67.63
33 41 13 00-0486 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	332.31 36.41 69.35 113.04	75.15
33 41 13 00-0487 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	352.60 38.15 72.68 118.46	82.66
33 41 13 00-0488 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	372.02 39.91 76.04 123.93	90.17
33 41 13 00-0489 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0451)</small>		
33 41 13 00-0490 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	250.82 31.04 58.97 78.83	48.09
33 41 13 00-0491 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	271.28 33.22 63.11 84.37	52.59
33 41 13 00-0492 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	289.74 35.41 67.27 89.93	56.36
33 41 13 00-0493 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	308.16 37.59 71.41 95.47	60.12

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0494	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	327.16	63.87
			<i>For Bituminous Coated Pipe, Add</i>	39.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	75.57	
			<i>For Smooth-Flo, Add</i>	101.02	
33 41	13 00-0495	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	348.22	67.63
			<i>For Bituminous Coated Pipe, Add</i>	41.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	79.72	
			<i>For Smooth-Flo, Add</i>	106.58	
33 41	13 00-0496	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	370.99	75.15
			<i>For Bituminous Coated Pipe, Add</i>	44.14	
			<i>For Bituminous Coated And 25% Paved, Add</i>	83.87	
			<i>For Smooth-Flo, Add</i>	112.12	
33 41	13 00-0497	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	393.38	82.66
			<i>For Bituminous Coated Pipe, Add</i>	46.31	
			<i>For Bituminous Coated And 25% Paved, Add</i>	87.98	
			<i>For Smooth-Flo, Add</i>	117.62	
33 41	13 00-0498	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	414.94	90.17
			<i>For Bituminous Coated Pipe, Add</i>	48.50	
			<i>For Bituminous Coated And 25% Paved, Add</i>	92.15	
			<i>For Smooth-Flo, Add</i>	123.18	
33 41	13 00-0499	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	437.92	97.69
			<i>For Bituminous Coated Pipe, Add</i>	50.67	
			<i>For Bituminous Coated And 25% Paved, Add</i>	96.28	
			<i>For Smooth-Flo, Add</i>	128.71	
33 41	13 00-0500	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	462.79	105.20
			<i>For Bituminous Coated Pipe, Add</i>	52.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	100.43	
			<i>For Smooth-Flo, Add</i>	134.26	
33 41	13 00-0501	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	489.97	112.71
			<i>For Bituminous Coated Pipe, Add</i>	55.05	
			<i>For Bituminous Coated And 25% Paved, Add</i>	104.60	
			<i>For Smooth-Flo, Add</i>	139.84	
33 41	13 00-0502		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0409)		
33 41	13 00-0503		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0502)		
33 41	13 00-0504	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	92.28	22.54
			<i>For Bituminous Coated Pipe, Add</i>	12.28	
			<i>For Bituminous Coated And 25% Paved, Add</i>	28.00	
			<i>For Smooth-Flo, Add</i>	44.45	
33 41	13 00-0505	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	109.70	25.55
			<i>For Bituminous Coated Pipe, Add</i>	15.05	
			<i>For Bituminous Coated And 25% Paved, Add</i>	34.31	
			<i>For Smooth-Flo, Add</i>	54.47	
33 41	13 00-0506	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	119.42	27.05
			<i>For Bituminous Coated Pipe, Add</i>	16.37	
			<i>For Bituminous Coated And 25% Paved, Add</i>	37.32	
			<i>For Smooth-Flo, Add</i>	59.25	
33 41	13 00-0507	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	147.16	33.06
			<i>For Bituminous Coated Pipe, Add</i>	20.61	
			<i>For Bituminous Coated And 25% Paved, Add</i>	46.98	
			<i>For Smooth-Flo, Add</i>	74.59	
33 41	13 00-0508	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	183.44	48.09
			<i>For Bituminous Coated Pipe, Add</i>	21.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	50.05	
			<i>For Smooth-Flo, Add</i>	79.46	
33 41	13 00-0509	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	198.35	52.59
			<i>For Bituminous Coated Pipe, Add</i>	23.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	53.10	
			<i>For Smooth-Flo, Add</i>	84.30	
33 41	13 00-0510	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	211.20	56.36
			<i>For Bituminous Coated Pipe, Add</i>	24.62	
			<i>For Bituminous Coated And 25% Paved, Add</i>	56.14	
			<i>For Smooth-Flo, Add</i>	89.13	
33 41	13 00-0511	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	224.04	60.12
			<i>For Bituminous Coated Pipe, Add</i>	25.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	59.17	
			<i>For Smooth-Flo, Add</i>	93.95	
33 41	13 00-0512	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	237.51	63.87
			<i>For Bituminous Coated Pipe, Add</i>	27.30	
			<i>For Bituminous Coated And 25% Paved, Add</i>	62.25	
			<i>For Smooth-Flo, Add</i>	98.84	
33 41	13 00-0513	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	253.15	67.63
			<i>For Bituminous Coated Pipe, Add</i>	28.68	
			<i>For Bituminous Coated And 25% Paved, Add</i>	65.40	
			<i>For Smooth-Flo, Add</i>	103.83	
33 41	13 00-0514		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0502)		



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0515 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	121.46	25.55
For Bituminous Coated Pipe, Add	14.39	
For Bituminous Coated And 25% Paved, Add	33.82	
For Smooth-Flo, Add	61.23	
33 41 13 00-0516 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	132.49	27.05
For Bituminous Coated Pipe, Add	15.71	
For Bituminous Coated And 25% Paved, Add	36.91	
For Smooth-Flo, Add	66.84	
33 41 13 00-0517 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	161.42	33.06
For Bituminous Coated Pipe, Add	19.34	
For Bituminous Coated And 25% Paved, Add	45.44	
For Smooth-Flo, Add	82.27	
33 41 13 00-0518 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	198.84	48.09
For Bituminous Coated Pipe, Add	20.64	
For Bituminous Coated And 25% Paved, Add	48.50	
For Smooth-Flo, Add	87.82	
33 41 13 00-0519 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	215.16	52.59
For Bituminous Coated Pipe, Add	21.99	
For Bituminous Coated And 25% Paved, Add	51.68	
For Smooth-Flo, Add	93.58	
33 41 13 00-0520 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	229.32	56.36
For Bituminous Coated Pipe, Add	23.32	
For Bituminous Coated And 25% Paved, Add	54.81	
For Smooth-Flo, Add	99.24	
33 41 13 00-0521 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	242.80	60.12
For Bituminous Coated Pipe, Add	24.51	
For Bituminous Coated And 25% Paved, Add	57.61	
For Smooth-Flo, Add	104.31	
33 41 13 00-0522 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	258.17	63.87
For Bituminous Coated Pipe, Add	25.97	
For Bituminous Coated And 25% Paved, Add	61.04	
For Smooth-Flo, Add	110.52	
33 41 13 00-0523 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	274.92	67.63
For Bituminous Coated Pipe, Add	27.30	
For Bituminous Coated And 25% Paved, Add	64.16	
For Smooth-Flo, Add	116.16	
33 41 13 00-0524 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	293.35	75.15
For Bituminous Coated Pipe, Add	28.61	
For Bituminous Coated And 25% Paved, Add	67.24	
For Smooth-Flo, Add	121.75	
33 41 13 00-0525 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	311.65	82.66
For Bituminous Coated Pipe, Add	29.96	
For Bituminous Coated And 25% Paved, Add	70.41	
For Smooth-Flo, Add	127.48	
33 41 13 00-0526 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
Piping (33 41 13 00-0502)		
33 41 13 00-0527 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	156.96	27.05
For Bituminous Coated Pipe, Add	20.60	
For Bituminous Coated And 25% Paved, Add	39.14	
For Smooth-Flo, Add	70.66	
33 41 13 00-0528 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	188.37	33.06
For Bituminous Coated Pipe, Add	24.73	
For Bituminous Coated And 25% Paved, Add	46.98	
For Smooth-Flo, Add	84.81	
33 41 13 00-0529 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	228.36	48.09
For Bituminous Coated Pipe, Add	26.54	
For Bituminous Coated And 25% Paved, Add	50.43	
For Smooth-Flo, Add	91.05	
33 41 13 00-0530 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	246.95	52.59
For Bituminous Coated Pipe, Add	28.35	
For Bituminous Coated And 25% Paved, Add	53.87	
For Smooth-Flo, Add	97.24	
33 41 13 00-0531 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	263.41	56.36
For Bituminous Coated Pipe, Add	30.14	
For Bituminous Coated And 25% Paved, Add	57.27	
For Smooth-Flo, Add	103.38	
33 41 13 00-0532 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	280.00	60.12
For Bituminous Coated Pipe, Add	31.95	
For Bituminous Coated And 25% Paved, Add	60.71	
For Smooth-Flo, Add	109.60	
33 41 13 00-0533 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	297.07	63.87
For Bituminous Coated Pipe, Add	33.75	
For Bituminous Coated And 25% Paved, Add	64.13	
For Smooth-Flo, Add	115.78	
33 41 13 00-0534 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	316.18	67.63
For Bituminous Coated Pipe, Add	35.55	
For Bituminous Coated And 25% Paved, Add	67.55	
For Smooth-Flo, Add	121.94	
33 41 13 00-0535 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	337.11	75.15
For Bituminous Coated Pipe, Add	37.37	
For Bituminous Coated And 25% Paved, Add	71.00	
For Smooth-Flo, Add	128.17	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0536	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	357.68	82.66
			<i>For Bituminous Coated Pipe, Add</i>	39.17	
			<i>For Bituminous Coated And 25% Paved, Add</i>	74.42	
			<i>For Smooth-Flo, Add</i>	134.34	
33 41	13 00-0537	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	377.29	90.17
			<i>For Bituminous Coated Pipe, Add</i>	40.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	77.84	
			<i>For Smooth-Flo, Add</i>	140.52	
33 41	13 00-0538		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0502)</small>		
33 41	13 00-0539	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	256.64	48.09
			<i>For Bituminous Coated Pipe, Add</i>	32.20	
			<i>For Bituminous Coated And 25% Paved, Add</i>	61.18	
			<i>For Smooth-Flo, Add</i>	96.12	
33 41	13 00-0540	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	277.85	52.59
			<i>For Bituminous Coated Pipe, Add</i>	34.53	
			<i>For Bituminous Coated And 25% Paved, Add</i>	65.61	
			<i>For Smooth-Flo, Add</i>	103.07	
33 41	13 00-0541	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	296.77	56.36
			<i>For Bituminous Coated Pipe, Add</i>	36.81	
			<i>For Bituminous Coated And 25% Paved, Add</i>	69.94	
			<i>For Smooth-Flo, Add</i>	109.88	
33 41	13 00-0542	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	315.59	60.12
			<i>For Bituminous Coated Pipe, Add</i>	39.07	
			<i>For Bituminous Coated And 25% Paved, Add</i>	74.24	
			<i>For Smooth-Flo, Add</i>	116.63	
33 41	13 00-0543	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	335.08	63.87
			<i>For Bituminous Coated Pipe, Add</i>	41.36	
			<i>For Bituminous Coated And 25% Paved, Add</i>	78.58	
			<i>For Smooth-Flo, Add</i>	123.45	
33 41	13 00-0544	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	356.52	67.63
			<i>For Bituminous Coated Pipe, Add</i>	43.62	
			<i>For Bituminous Coated And 25% Paved, Add</i>	82.88	
			<i>For Smooth-Flo, Add</i>	130.21	
33 41	13 00-0545	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	379.79	75.15
			<i>For Bituminous Coated Pipe, Add</i>	45.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	87.21	
			<i>For Smooth-Flo, Add</i>	137.02	
33 41	13 00-0546	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	402.74	82.66
			<i>For Bituminous Coated Pipe, Add</i>	48.18	
			<i>For Bituminous Coated And 25% Paved, Add</i>	91.54	
			<i>For Smooth-Flo, Add</i>	143.81	
33 41	13 00-0547	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	424.66	90.17
			<i>For Bituminous Coated Pipe, Add</i>	50.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	95.84	
			<i>For Smooth-Flo, Add</i>	150.57	
33 41	13 00-0548	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	451.72	97.69
			<i>For Bituminous Coated Pipe, Add</i>	53.43	
			<i>For Bituminous Coated And 25% Paved, Add</i>	101.52	
			<i>For Smooth-Flo, Add</i>	159.49	
33 41	13 00-0549	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	477.97	105.20
			<i>For Bituminous Coated Pipe, Add</i>	55.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	106.20	
			<i>For Smooth-Flo, Add</i>	166.85	
33 41	13 00-0550	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	506.98	112.71
			<i>For Bituminous Coated Pipe, Add</i>	58.46	
			<i>For Bituminous Coated And 25% Paved, Add</i>	111.07	
			<i>For Smooth-Flo, Add</i>	174.49	
33 41	13 00-0551		Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0409)</small>		
33 41	13 00-0552		16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0551)</small>		
33 41	13 00-0553	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	33.12	8.65
			<i>For Bituminous Coated Pipe, Add</i>	3.78	
33 41	13 00-0554	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	37.56	9.37
			<i>For Bituminous Coated Pipe, Add</i>	4.51	
33 41	13 00-0555	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	41.74	10.09
			<i>For Bituminous Coated Pipe, Add</i>	5.12	
33 41	13 00-0556	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	54.92	12.97
			<i>For Bituminous Coated Pipe, Add</i>	6.60	
33 41	13 00-0557	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	70.54	16.53
			<i>For Bituminous Coated Pipe, Add</i>	8.27	
33 41	13 00-0558	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	80.10	19.54
			<i>For Bituminous Coated Pipe, Add</i>	9.75	
33 41	13 00-0559	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	90.26	22.54
			<i>For Bituminous Coated Pipe, Add</i>	10.97	
33 41	13 00-0560	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	107.20	25.55
			<i>For Bituminous Coated Pipe, Add</i>	13.44	
33 41	13 00-0561	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	116.93	27.05
			<i>For Bituminous Coated Pipe, Add</i>	14.67	



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0562 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0561)</small>		
33 41 13 00-0563 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	35.83	8.65
<i>For Bituminous Coated Pipe, Add</i>	4.38	
33 41 13 00-0564 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	40.73	9.37
<i>For Bituminous Coated Pipe, Add</i>	5.20	
33 41 13 00-0565 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	45.35	10.09
<i>For Bituminous Coated Pipe, Add</i>	5.91	
33 41 13 00-0566 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	59.41	12.97
<i>For Bituminous Coated Pipe, Add</i>	7.58	
33 41 13 00-0567 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	75.94	16.53
<i>For Bituminous Coated Pipe, Add</i>	9.44	
33 41 13 00-0568 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	86.42	19.54
<i>For Bituminous Coated Pipe, Add</i>	11.12	
33 41 13 00-0569 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	97.47	22.54
<i>For Bituminous Coated Pipe, Add</i>	12.55	
33 41 13 00-0570 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	115.31	25.55
<i>For Bituminous Coated Pipe, Add</i>	15.20	
33 41 13 00-0571 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	125.96	27.05
<i>For Bituminous Coated Pipe, Add</i>	16.63	
33 41 13 00-0572 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	154.20	33.06
<i>For Bituminous Coated Pipe, Add</i>	20.67	
33 41 13 00-0573 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	191.23	48.09
<i>For Bituminous Coated Pipe, Add</i>	22.08	
33 41 13 00-0574 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	207.03	52.59
<i>For Bituminous Coated Pipe, Add</i>	23.52	
33 41 13 00-0575 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0551)</small>		
33 41 13 00-0576 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	68.50	12.97
<i>For Bituminous Coated Pipe, Add</i>	7.92	
33 41 13 00-0577 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	86.81	16.53
<i>For Bituminous Coated Pipe, Add</i>	9.78	
33 41 13 00-0578 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	99.14	19.54
<i>For Bituminous Coated Pipe, Add</i>	11.51	
33 41 13 00-0579 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	111.98	22.54
<i>For Bituminous Coated Pipe, Add</i>	13.01	
33 41 13 00-0580 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	131.66	25.55
<i>For Bituminous Coated Pipe, Add</i>	15.53	
33 41 13 00-0581 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	144.14	27.05
<i>For Bituminous Coated Pipe, Add</i>	17.05	
33 41 13 00-0582 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	174.16	33.06
<i>For Bituminous Coated Pipe, Add</i>	20.68	
33 41 13 00-0583 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	212.98	48.09
<i>For Bituminous Coated Pipe, Add</i>	22.18	
33 41 13 00-0584 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	230.56	52.59
<i>For Bituminous Coated Pipe, Add</i>	23.69	
33 41 13 00-0585 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	246.06	56.36
<i>For Bituminous Coated Pipe, Add</i>	25.20	
33 41 13 00-0586 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	261.54	60.12
<i>For Bituminous Coated Pipe, Add</i>	26.71	
33 41 13 00-0587 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	277.58	63.87
<i>For Bituminous Coated Pipe, Add</i>	28.21	
33 41 13 00-0588 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	294.79	67.63
<i>For Bituminous Coated Pipe, Add</i>	29.55	
33 41 13 00-0589 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0409)</small>		
33 41 13 00-0590 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0589)</small>		
33 41 13 00-0591 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	12.60	4.32
<i>For Bituminous Coated Pipe, Add</i>	0.97	
33 41 13 00-0592 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.40	4.32
<i>For Bituminous Coated Pipe, Add</i>	1.16	
33 41 13 00-0593 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	15.70	5.41
<i>For Bituminous Coated Pipe, Add</i>	1.28	
33 41 13 00-0594 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	16.73	5.41
<i>For Bituminous Coated Pipe, Add</i>	1.53	
33 41 13 00-0595 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	19.86	6.48
<i>For Bituminous Coated Pipe, Add</i>	1.61	
33 41 13 00-0596 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	21.16	6.48
<i>For Bituminous Coated Pipe, Add</i>	1.93	
33 41 13 00-0597 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0589)</small>		
33 41 13 00-0598 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	12.71	4.32
<i>For Bituminous Coated Pipe, Add</i>	0.95	
33 41 13 00-0599 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.49	4.32
<i>For Bituminous Coated Pipe, Add</i>	1.14	
33 41 13 00-0600 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	15.82	5.41
<i>For Bituminous Coated Pipe, Add</i>	1.25	
33 41 13 00-0601 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	16.90	5.41
<i>For Bituminous Coated Pipe, Add</i>	1.51	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0602 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	20.06 1.59	6.48
33 41 13 00-0603 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	21.39 1.90	6.48
33 41 13 00-0604 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 41 13 00-0589)		
33 41 13 00-0605 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	5.97 1.34	
33 41 13 00-0606 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	7.91 1.78	
33 41 13 00-0607 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	9.69 2.18	
33 41 13 00-0608 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	21.54 2.97	
33 41 13 00-0609 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	5.93 0.68	
33 41 13 00-0610 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	7.32 1.02	
33 41 13 00-0611 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0409)		
33 41 13 00-0612 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0611)		
33 41 13 00-0613 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	35.88	7.57
33 41 13 00-0614 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	41.67	7.93
33 41 13 00-0615 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	47.65	8.65
33 41 13 00-0616 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	55.00	9.37
33 41 13 00-0617 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	61.20	10.09
33 41 13 00-0618 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	80.31	12.97
33 41 13 00-0619 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	102.85	16.53
33 41 13 00-0620 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	118.45	19.54
33 41 13 00-0621 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	132.99	22.54
33 41 13 00-0622 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0611)		
33 41 13 00-0623 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	40.25	7.57
33 41 13 00-0624 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	47.07	7.93
33 41 13 00-0625 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	54.13	8.65
33 41 13 00-0626 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	62.49	9.37
33 41 13 00-0627 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	69.91	10.09
33 41 13 00-0628 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	91.00	12.97
33 41 13 00-0629 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	115.75	16.53
33 41 13 00-0630 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	133.25	19.54
33 41 13 00-0631 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	149.89	22.54
33 41 13 00-0632 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	180.78	25.55
33 41 13 00-0633 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0611)		
33 41 13 00-0634 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	67.62	8.65
33 41 13 00-0635 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	78.25	9.37
33 41 13 00-0636 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	87.82	10.09
33 41 13 00-0637 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	113.38	12.97
33 41 13 00-0638 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	137.11	16.53
33 41 13 00-0639 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	164.55	19.54
33 41 13 00-0640 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	185.61	22.54
33 41 13 00-0641 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	221.54	25.55
33 41 13 00-0642 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	242.04	27.05
33 41 13 00-0643 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	296.09	33.06
33 41 13 00-0644 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0611)		
33 41 13 00-0645 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	167.12	16.53
33 41 13 00-0646 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	193.06	19.54
33 41 13 00-0647 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	217.99	22.54
33 41 13 00-0648 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	257.82	25.55
33 41 13 00-0649 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	282.43	27.05
33 41 13 00-0650 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	340.45	33.06
33 41 13 00-0651 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	391.24	48.09
33 41 13 00-0652 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0409)		
33 41 13 00-0653 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0652)		
33 41 13 00-0654 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	127.61	16.53
33 41 13 00-0655 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	147.01	19.54
33 41 13 00-0656 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	165.01	22.54
33 41 13 00-0657 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	198.99	25.55
33 41 13 00-0658 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	216.68	27.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0659 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	274.86	33.06
33 41 13 00-0660 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	319.44	48.09
33 41 13 00-0661 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	342.67	52.59
33 41 13 00-0662 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	363.90	56.36
33 41 13 00-0663 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	385.15	60.12
33 41 13 00-0664 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	406.89	63.87
33 41 13 00-0665 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	430.80	67.63
33 41 13 00-0666 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0652)</small>		
33 41 13 00-0667 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	222.32	25.55
33 41 13 00-0668 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	242.46	27.05
33 41 13 00-0669 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	303.26	33.06
33 41 13 00-0670 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	350.33	48.09
33 41 13 00-0671 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	376.08	52.59
33 41 13 00-0672 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	399.92	56.36
33 41 13 00-0673 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	423.63	60.12
33 41 13 00-0674 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	447.87	63.87
33 41 13 00-0675 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	474.33	67.63
33 41 13 00-0676 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	502.45	75.15
33 41 13 00-0677 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	529.99	82.66
33 41 13 00-0678 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0652)</small>		
33 41 13 00-0679 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	301.12	27.05
33 41 13 00-0680 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	368.51	33.06
33 41 13 00-0681 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	421.23	48.09
33 41 13 00-0682 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	452.67	52.59
33 41 13 00-0683 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	482.18	56.36
33 41 13 00-0684 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	511.57	60.12
33 41 13 00-0685 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	541.55	63.87
33 41 13 00-0686 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	573.65	67.63
33 41 13 00-0687 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	607.39	75.15
33 41 13 00-0688 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	640.70	82.66
33 41 13 00-0689 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	673.29	90.17
33 41 13 00-0690 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0652)</small>		
33 41 13 00-0691 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	485.85	48.09
33 41 13 00-0692 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	522.55	52.59
33 41 13 00-0693 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	557.36	56.36
33 41 13 00-0694 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	592.04	60.12
33 41 13 00-0695 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	627.34	63.87
33 41 13 00-0696 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	664.74	67.63
33 41 13 00-0697 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	703.79	75.15
33 41 13 00-0698 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	742.37	82.66
33 41 13 00-0699 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	780.27	90.17
33 41 13 00-0700 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	819.47	97.69
33 41 13 00-0701 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	860.68	105.20
33 41 13 00-0702 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	904.21	112.71
33 41 13 00-0703 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0409)</small>		
33 41 13 00-0704 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0703)</small>		
33 41 13 00-0705 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	159.99	22.54
33 41 13 00-0706 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	193.46	25.55
33 41 13 00-0707 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	210.34	27.05
33 41 13 00-0708 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	263.08	33.06
33 41 13 00-0709 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	306.69	48.09
33 41 13 00-0710 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	328.92	52.59
33 41 13 00-0711 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	349.01	56.36
33 41 13 00-0712 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	369.06	60.12
33 41 13 00-0713 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	389.85	63.87
33 41 13 00-0714 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	413.06	67.63
33 41 13 00-0715 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0703)</small>		
33 41 13 00-0716 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	221.16	25.55
33 41 13 00-0717 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	241.20	27.05
33 41 13 00-0718 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	296.73	33.06
33 41 13 00-0719 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	343.05	48.09
33 41 13 00-0720 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	368.56	52.59
33 41 13 00-0721 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	391.74	56.36
33 41 13 00-0722 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	413.34	60.12
33 41 13 00-0723 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	438.63	63.87
33 41 13 00-0724 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	464.42	67.63
33 41 13 00-0725 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	491.76	75.15

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0726 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	519.22	82.66
33 41 13 00-0727 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0703)</small>		
33 41 13 00-0728 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	303.04	27.05
33 41 13 00-0729 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	365.15	33.06
33 41 13 00-0730 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	417.94	48.09
33 41 13 00-0731 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	449.14	52.59
33 41 13 00-0732 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	478.11	56.36
33 41 13 00-0733 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	507.44	60.12
33 41 13 00-0734 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	537.14	63.87
33 41 13 00-0735 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	568.81	67.63
33 41 13 00-0736 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	602.47	75.15
33 41 13 00-0737 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	635.67	82.66
33 41 13 00-0738 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	667.89	90.17
33 41 13 00-0739 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0703)</small>		
33 41 13 00-0740 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	485.82	48.09
33 41 13 00-0741 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	523.33	52.59
33 41 13 00-0742 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	558.25	56.36
33 41 13 00-0743 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	592.92	60.12
33 41 13 00-0744 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	628.37	63.87
33 41 13 00-0745 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	665.72	67.63
33 41 13 00-0746 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	704.93	75.15
33 41 13 00-0747 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	743.83	82.66
33 41 13 00-0748 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	781.65	90.17
33 41 13 00-0749 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	829.63	97.69
33 41 13 00-0750 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	873.17	105.20
33 41 13 00-0751 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	920.11	112.71
33 41 13 00-0752 Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0408)</small>		
33 41 13 00-0753 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0752)</small>		
33 41 13 00-0754 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0753)</small>		
33 41 13 00-0755 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	27.33	7.93
For Bituminous Coated Pipe, Add	2.75	
For Bituminous Coated And 25% Paved, Add	6.65	
For Smooth-Flo, Add	10.97	
33 41 13 00-0756 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	30.08	8.65
For Bituminous Coated Pipe, Add	3.29	
For Bituminous Coated And 25% Paved, Add	7.95	
For Smooth-Flo, Add	13.11	
33 41 13 00-0757 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	34.10	9.37
For Bituminous Coated Pipe, Add	3.96	
For Bituminous Coated And 25% Paved, Add	9.57	
For Smooth-Flo, Add	15.78	
33 41 13 00-0758 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	38.08	10.09
For Bituminous Coated Pipe, Add	4.56	
For Bituminous Coated And 25% Paved, Add	11.02	
For Smooth-Flo, Add	18.18	
33 41 13 00-0759 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.86	12.97
For Bituminous Coated Pipe, Add	5.79	
For Bituminous Coated And 25% Paved, Add	14.00	
For Smooth-Flo, Add	23.09	
33 41 13 00-0760 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	65.04	16.53
For Bituminous Coated Pipe, Add	7.47	
For Bituminous Coated And 25% Paved, Add	18.05	
For Smooth-Flo, Add	29.77	
33 41 13 00-0761 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0753)</small>		
33 41 13 00-0762 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	29.56	7.93
For Bituminous Coated Pipe, Add	2.86	
For Bituminous Coated And 25% Paved, Add	6.68	
For Smooth-Flo, Add	10.96	
33 41 13 00-0763 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	32.81	8.65
For Bituminous Coated Pipe, Add	3.42	
For Bituminous Coated And 25% Paved, Add	8.01	
For Smooth-Flo, Add	13.14	
33 41 13 00-0764 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	37.14	9.37
For Bituminous Coated Pipe, Add	4.07	
For Bituminous Coated And 25% Paved, Add	9.52	
For Smooth-Flo, Add	15.62	



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0765	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	41.60 4.69 10.98 18.01	10.09
33 41	13 00-0766	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	54.26 5.94 13.91 22.81	12.97
33 41	13 00-0767	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	70.27 7.57 17.71 29.05	16.53
33 41	13 00-0768	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	80.21 9.02 21.10 34.61	19.54
33 41 13 00-0769 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0753)</small>					
33 41	13 00-0770	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	41.94 3.70 8.24 12.67	9.02
33 41	13 00-0771	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	47.54 4.39 9.78 15.03	9.77
33 41	13 00-0772	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	53.17 5.04 11.22 17.24	10.52
33 41	13 00-0773	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	69.04 6.34 14.12 21.71	13.52
33 41	13 00-0774	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	80.95 7.94 17.67 27.17	16.53
33 41	13 00-0775	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	92.53 9.39 20.89 32.13	19.54
33 41	13 00-0776	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	107.52 11.13 24.78 38.10	22.54
33 41	13 00-0777	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.58 12.30 27.36 42.07	25.55
33 41 13 00-0778 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0753)</small>					
33 41	13 00-0779	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	91.00 9.57 20.14 25.40	16.53
33 41	13 00-0780	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	104.25 11.28 23.76 29.96	19.54
33 41	13 00-0781	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.80 13.28 27.95 35.25	22.54
33 41	13 00-0782	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.60 14.72 30.99 39.08	25.55
33 41	13 00-0783	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	148.46 16.16 34.02 42.91	27.05
33 41	13 00-0784		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0752)</small>		
33 41	13 00-0785		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0784)</small>		

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0786	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.44 14.19 43.13 48.23	25.55
33 41 13 00-0787	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	131.57 15.52 47.19 52.78	27.05
33 41 13 00-0788	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	162.23 19.50 59.27 66.29	33.06
33 41 13 00-0789	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	200.16 20.90 63.55 71.07	48.09
33 41 13 00-0790	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	217.10 22.38 68.04 76.09	52.59
33 41 13 00-0791	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	232.03 23.86 72.55 81.14	56.36
33 41 13 00-0792	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.93 25.34 77.03 86.16	60.12
33 41 13 00-0793	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	262.36 26.81 81.51 91.16	63.87
33 41 13 00-0794			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0794)</small>		
33 41 13 00-0795	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	154.67 20.14 52.78 62.45	27.05
33 41 13 00-0796	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	187.85 24.62 64.51 76.33	33.06
33 41 13 00-0797	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	228.05 26.48 69.38 82.09	48.09
33 41 13 00-0798	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	247.24 28.41 74.43 88.06	52.59
33 41 13 00-0799	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	264.43 30.34 79.50 94.07	56.36
33 41 13 00-0800	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	281.60 32.27 84.56 100.05	60.12
33 41 13 00-0801	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	299.28 34.20 89.59 106.01	63.87
33 41 13 00-0802	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	319.12 36.14 94.69 112.03	67.63
33 41 13 00-0803	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	340.63 38.07 99.74 118.02	75.15
33 41 13 00-0804	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	362.81 40.19 105.30 124.60	82.66
33 41 13 00-0805			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0794)</small>		
33 41 13 00-0806	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	253.97 31.67 75.37 81.86	48.09



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0807	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	275.31 34.02 80.97 87.95	52.59
33 41	13 00-0808	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	294.62 36.38 86.59 94.05	56.36
33 41	13 00-0809	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	313.88 38.73 92.18 100.12	60.12
33 41	13 00-0810	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	333.70 41.08 97.77 106.19	63.87
33 41	13 00-0811	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	355.65 43.45 103.40 112.31	67.63
33 41	13 00-0812	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	379.29 45.80 109.01 118.40	75.15
33 41	13 00-0813	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	403.43 48.32 114.99 124.90	82.66
33 41	13 00-0814	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	429.12 51.33 122.17 132.70	90.17
33 41	13 00-0815		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0752)</small>		
33 41	13 00-0816		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0815)</small>		
33 41	13 00-0817	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	230.60 26.99 65.86 83.81	48.09
33 41	13 00-0818	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	249.54 28.87 70.44 89.64	52.59
33 41	13 00-0819	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	266.33 30.72 74.97 95.40	56.36
33 41	13 00-0820	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	283.12 32.58 79.49 101.15	60.12
33 41	13 00-0821	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	300.53 34.45 84.05 106.95	63.87
33 41	13 00-0822	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	320.16 36.35 88.69 112.86	67.63
33 41	13 00-0823	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	341.47 38.24 93.30 118.73	75.15
33 41	13 00-0824	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	364.88 40.61 99.08 126.08	82.66
33 41	13 00-0825		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0815)</small>		
33 41	13 00-0826	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	259.28 32.73 73.97 80.35	48.09
33 41	13 00-0827	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	280.52 35.06 79.24 86.08	52.59

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0828	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	299.64 37.39 84.49 91.78	56.36
33 41	13 00-0829	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	318.84 39.72 89.77 97.52	60.12
33 41	13 00-0830	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.19 41.98 94.87 103.06	63.87
33 41	13 00-0831	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	360.46 44.41 100.36 109.02	67.63
33 41	13 00-0832	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	384.14 46.77 105.70 114.83	75.15
33 41	13 00-0833	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	409.91 49.61 112.12 121.80	82.66
33 41	13 00-0834	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	433.92 52.29 118.18 128.38	90.17
33 41	13 00-0835		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0752)</small>		
33 41	13 00-0836		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0835)</small>		
33 41	13 00-0837	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	41.71	7.93
33 41	13 00-0838	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	47.26	8.65
33 41	13 00-0839	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	54.83	9.37
33 41	13 00-0840	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	62.00	10.09
33 41	13 00-0841	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	80.33	12.97
33 41	13 00-0842	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	104.63	16.53
33 41	13 00-0843		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0835)</small>		
33 41	13 00-0844	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	46.84	7.93
33 41	13 00-0845	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	53.53	8.65
33 41	13 00-0846	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	61.83	9.37
33 41	13 00-0847	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	70.13	10.09
33 41	13 00-0848	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	90.45	12.97
33 41	13 00-0849	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	116.66	16.53
33 41	13 00-0850	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	135.58	19.54
33 41	13 00-0851		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0835)</small>		
33 41	13 00-0852	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	68.89	8.65
33 41	13 00-0853	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	80.03	9.37
33 41	13 00-0854	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	90.75	10.09
33 41	13 00-0855	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	116.17	12.97
33 41	13 00-0856	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	147.73	16.53
33 41	13 00-0857	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	171.77	19.54
33 41	13 00-0858	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	202.13	22.54
33 41	13 00-0859	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	224.78	25.55
33 41	13 00-0860		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0835)</small>		
33 41	13 00-0861	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	172.10	16.53
33 41	13 00-0862	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	200.20	19.54
33 41	13 00-0863	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	234.37	22.54
33 41	13 00-0864	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	261.23	25.55
33 41	13 00-0865	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	286.10	27.05
33 41	13 00-0866		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0752)</small>		
33 41	13 00-0867		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0866)</small>		
33 41	13 00-0868	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	226.90	25.55
33 41	13 00-0869	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	247.85	27.05
33 41	13 00-0870	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	309.51	33.06
33 41	13 00-0871	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	357.83	48.09
33 41	13 00-0872	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	385.71	52.59
33 41	13 00-0873	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	411.62	56.36
33 41	13 00-0874	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	437.44	60.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0875 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	463.85	63.87
33 41 13 00-0876 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0866)</small>		
33 41 13 00-0877 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	306.62	27.05
33 41 13 00-0878 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	374.93	33.06
33 41 13 00-0879 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	429.03	48.09
33 41 13 00-0880 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	462.59	52.59
33 41 13 00-0881 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	494.20	56.36
33 41 13 00-0882 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	525.79	60.12
33 41 13 00-0883 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	557.85	63.87
33 41 13 00-0884 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	592.15	67.63
33 41 13 00-0885 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	628.08	75.15
33 41 13 00-0886 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	666.12	82.66
33 41 13 00-0887 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0866)</small>		
33 41 13 00-0888 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	493.63	48.09
33 41 13 00-0889 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	532.52	52.59
33 41 13 00-0890 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	569.48	56.36
33 41 13 00-0891 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	606.25	60.12
33 41 13 00-0892 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	643.63	63.87
33 41 13 00-0893 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	683.22	67.63
33 41 13 00-0894 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	724.46	75.15
33 41 13 00-0895 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	767.35	82.66
33 41 13 00-0896 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	815.56	90.17
33 41 13 00-0897 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0752)</small>		
33 41 13 00-0898 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0897)</small>		
33 41 13 00-0899 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	423.22	48.09
33 41 13 00-0900 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	455.33	52.59
33 41 13 00-0901 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	485.13	56.36
33 41 13 00-0902 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	514.90	60.12
33 41 13 00-0903 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	545.40	63.87
33 41 13 00-0904 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	578.35	67.63
33 41 13 00-0905 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	612.88	75.15
33 41 13 00-0906 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	652.88	82.66
33 41 13 00-0907 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0897)</small>		
33 41 13 00-0908 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.12	48.09
33 41 13 00-0909 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	529.69	52.59
33 41 13 00-0910 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	565.08	56.36
33 41 13 00-0911 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	600.64	60.12
33 41 13 00-0912 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	635.83	63.87
33 41 13 00-0913 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	675.10	67.63
33 41 13 00-0914 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	715.36	75.15
33 41 13 00-0915 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	761.09	82.66
33 41 13 00-0916 LF 142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	803.78	90.17
33 41 13 00-0917 Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0408)</small>		
33 41 13 00-0918 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0917)</small>		
33 41 13 00-0919 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0918)</small>		
33 41 13 00-0920 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	25.86	7.57
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	4.09	
33 41 13 00-0921 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.04	7.93
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.16	
33 41 13 00-0922 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	32.35	8.65
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.25	
33 41 13 00-0923 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	36.70	9.37
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.47	
33 41 13 00-0924 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	40.60	10.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.42	
33 41 13 00-0925 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	53.63	12.97
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.92	
33 41 13 00-0926 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.15	16.53
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.77	
33 41 13 00-0927 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.58	19.54
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.29	
33 41 13 00-0928 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.34	22.54
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.25	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0929			14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0918)</small>		
33 41 13 00-0930	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	28.07 3.89	7.57
33 41 13 00-0931	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.77 4.88	7.93
33 41 13 00-0932	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.60 5.90	8.65
33 41 13 00-0933	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	40.48 7.02	9.37
33 41 13 00-0934	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.98 7.94	10.09
33 41 13 00-0935	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.99 10.20	12.97
33 41 13 00-0936	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.63 12.78	16.53
33 41 13 00-0937	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	86.05 15.05	19.54
33 41 13 00-0938	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.85 16.91	22.54
33 41 13 00-0939	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.52 20.79	25.55
33 41 13 00-0940			12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0918)</small>		
33 41 13 00-0941	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.44 5.50	8.65
33 41 13 00-0942	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.46 6.50	9.37
33 41 13 00-0943	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.05 7.37	10.09
33 41 13 00-0944	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.31 9.40	12.97
33 41 13 00-0945	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.29 11.66	16.53
33 41 13 00-0946	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.87 13.68	19.54
33 41 13 00-0947	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	114.90 15.42	22.54
33 41 13 00-0948	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	136.14 18.63	25.55
33 41 13 00-0949	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.67 20.36	27.05
33 41 13 00-0950	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	181.22 25.04	33.06
33 41 13 00-0951			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0918)</small>		
33 41 13 00-0952	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.57 12.77	16.53
33 41 13 00-0953	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	116.24 14.97	19.54
33 41 13 00-0954	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.21 16.91	22.54
33 41 13 00-0955	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	154.42 20.14	25.55
33 41 13 00-0956	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	169.02 22.09	27.05
33 41 13 00-0957	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	203.57 26.66	33.06
33 41 13 00-0958	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	244.48 28.58	48.09
33 41 13 00-0959			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0917)</small>		
33 41 13 00-0960			16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0959)</small>		
33 41 13 00-0961	LF		36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.80 15.31	16.53
33 41 13 00-0962	LF		42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.63 17.98	19.54
33 41 13 00-0963	LF		48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	100.77 20.16	22.54
33 41 13 00-0964	LF		54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	119.88 24.63	25.55
33 41 13 00-0965	LF		60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	130.61 26.83	27.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0966 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	163.21	33.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	34.46	
33 41 13 00-0967 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	200.59	48.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	36.73	
33 41 13 00-0968 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.66	52.59
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.01	
33 41 13 00-0969 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	230.69	56.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.29	
33 41 13 00-0970 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	244.74	60.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.58	
33 41 13 00-0971 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.32	63.87
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.86	
33 41 13 00-0972 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.00	67.63
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.15	
33 41 13 00-0973 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 41 13 00-0959)</small>		
33 41 13 00-0974 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.97	25.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.34	
33 41 13 00-0975 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.87	27.05
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	23.30	
33 41 13 00-0976 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	176.70	33.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	29.33	
33 41 13 00-0977 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.29	48.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.35	
33 41 13 00-0978 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	232.55	52.59
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.37	
33 41 13 00-0979 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	247.83	56.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.40	
33 41 13 00-0980 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.05	60.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	37.42	
33 41 13 00-0981 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.81	63.87
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.43	
33 41 13 00-0982 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.68	67.63
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.46	
33 41 13 00-0983 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	316.28	75.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.49	
33 41 13 00-0984 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	335.46	82.66
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.49	
33 41 13 00-0985 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 41 13 00-0959)</small>		
33 41 13 00-0986 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	170.12	27.05
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.25	
33 41 13 00-0987 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	206.87	33.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.23	
33 41 13 00-0988 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	248.09	48.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.01	
33 41 13 00-0989 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	268.01	52.59
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.80	
33 41 13 00-0990 LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	285.92	56.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.59	
33 41 13 00-0991 LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	303.81	60.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.38	
33 41 13 00-0992 LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	322.22	63.87
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.16	
33 41 13 00-0993 LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.74	67.63
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.96	
33 41 13 00-0994 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	364.96	75.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.75	
33 41 13 00-0995 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	386.81	82.66
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.51	
33 41 13 00-0996 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	407.81	90.17
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.31	
33 41 13 00-0997 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 41 13 00-0959)</small>		
33 41 13 00-0998 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.67	48.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.33	
33 41 13 00-0999 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.06	52.59
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.86	
33 41 13 00-1000 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.49	56.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.41	
33 41 13 00-1001 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	341.85	60.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.95	
33 41 13 00-1002 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	362.81	63.87
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.49	
33 41 13 00-1003 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	385.86	67.63
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.05	
33 41 13 00-1004 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	410.56	75.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.58	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1005 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	434.91	82.66
For 1/2 Bituminous Coated And 25% Paved, Add	75.09	
33 41 13 00-1006 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	458.44	90.17
For 1/2 Bituminous Coated And 25% Paved, Add	78.65	
33 41 13 00-1007 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	483.37	97.69
For 1/2 Bituminous Coated And 25% Paved, Add	82.17	
33 41 13 00-1008 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.20	105.20
For 1/2 Bituminous Coated And 25% Paved, Add	85.72	
33 41 13 00-1009 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	539.34	112.71
For 1/2 Bituminous Coated And 25% Paved, Add	89.28	
33 41 13 00-1010 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-0917)		
33 41 13 00-1011 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-1010)		
33 41 13 00-1012 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.12	22.54
For 1/2 Bituminous Coated And 25% Paved, Add	24.98	
33 41 13 00-1013 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	120.52	25.55
For 1/2 Bituminous Coated And 25% Paved, Add	30.61	
33 41 13 00-1014 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	131.17	27.05
For 1/2 Bituminous Coated And 25% Paved, Add	33.28	
33 41 13 00-1015 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.96	33.06
For 1/2 Bituminous Coated And 25% Paved, Add	41.90	
33 41 13 00-1016 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	199.20	48.09
For 1/2 Bituminous Coated And 25% Paved, Add	44.63	
33 41 13 00-1017 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.10	52.59
For 1/2 Bituminous Coated And 25% Paved, Add	47.37	
33 41 13 00-1018 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	228.90	56.36
For 1/2 Bituminous Coated And 25% Paved, Add	50.08	
33 41 13 00-1019 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	242.68	60.12
For 1/2 Bituminous Coated And 25% Paved, Add	52.78	
33 41 13 00-1020 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	257.13	63.87
For 1/2 Bituminous Coated And 25% Paved, Add	55.53	
33 41 13 00-1021 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.77	67.63
For 1/2 Bituminous Coated And 25% Paved, Add	58.34	
33 41 13 00-1022 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-1010)		
33 41 13 00-1023 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	134.39	25.55
For 1/2 Bituminous Coated And 25% Paved, Add	28.86	
33 41 13 00-1024 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.62	27.05
For 1/2 Bituminous Coated And 25% Paved, Add	31.51	
33 41 13 00-1025 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.78	33.06
For 1/2 Bituminous Coated And 25% Paved, Add	38.77	
33 41 13 00-1026 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	217.40	48.09
For 1/2 Bituminous Coated And 25% Paved, Add	41.40	
33 41 13 00-1027 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	234.92	52.59
For 1/2 Bituminous Coated And 25% Paved, Add	44.10	
33 41 13 00-1028 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	250.27	56.36
For 1/2 Bituminous Coated And 25% Paved, Add	46.77	
33 41 13 00-1029 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.84	60.12
For 1/2 Bituminous Coated And 25% Paved, Add	49.17	
33 41 13 00-1030 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	281.50	63.87
For 1/2 Bituminous Coated And 25% Paved, Add	52.09	
33 41 13 00-1031 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	299.46	67.63
For 1/2 Bituminous Coated And 25% Paved, Add	54.75	
33 41 13 00-1032 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	319.07	75.15
For 1/2 Bituminous Coated And 25% Paved, Add	57.39	
33 41 13 00-1033 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	338.59	82.66
For 1/2 Bituminous Coated And 25% Paved, Add	60.09	
33 41 13 00-1034 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 41 13 00-1010)		
33 41 13 00-1035 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.50	27.05
For 1/2 Bituminous Coated And 25% Paved, Add	34.76	
33 41 13 00-1036 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	210.62	33.06
For 1/2 Bituminous Coated And 25% Paved, Add	41.72	
33 41 13 00-1037 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	252.26	48.09
For 1/2 Bituminous Coated And 25% Paved, Add	44.79	
33 41 13 00-1038 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	272.45	52.59
For 1/2 Bituminous Coated And 25% Paved, Add	47.83	
33 41 13 00-1039 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	290.53	56.36
For 1/2 Bituminous Coated And 25% Paved, Add	50.86	
33 41 13 00-1040 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	308.77	60.12
For 1/2 Bituminous Coated And 25% Paved, Add	53.92	
33 41 13 00-1041 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.45	63.87
For 1/2 Bituminous Coated And 25% Paved, Add	56.96	
33 41 13 00-1042 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	348.18	67.63
For 1/2 Bituminous Coated And 25% Paved, Add	59.99	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 41	13 00-1043	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	370.74	75.15
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.05	
	33 41	13 00-1044	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	392.94	82.66
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	66.09	
	33 41	13 00-1045	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	414.17	90.17
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.13	
33 41	13 00-1046			10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1010)</small>		
	33 41	13 00-1047	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	285.64	48.09
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.34	
	33 41	13 00-1048	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	308.94	52.59
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.27	
	33 41	13 00-1049	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	329.91	56.36
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.12	
	33 41	13 00-1050	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	350.78	60.12
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.94	
	33 41	13 00-1051	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	372.30	63.87
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.78	
	33 41	13 00-1052	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	395.80	67.63
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.61	
	33 41	13 00-1053	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	421.11	75.15
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	77.46	
	33 41	13 00-1054	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	446.11	82.66
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	81.30	
	33 41	13 00-1055	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	470.07	90.17
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	85.12	
	33 41	13 00-1056	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	499.84	97.69
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	90.17	
	33 41	13 00-1057	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	528.30	105.20
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.33	
	33 41	13 00-1058	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	559.60	112.71
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	98.64	
33 41	13 00-1059			Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0917)</small>		
33 41	13 00-1060			16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1059)</small>		
	33 41	13 00-1061	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	36.08	8.65
	33 41	13 00-1062	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	41.02	9.37
	33 41	13 00-1063	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	45.71	10.09
	33 41	13 00-1064	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	59.86	12.97
	33 41	13 00-1065	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	76.47	16.53
	33 41	13 00-1066	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	87.03	19.54
	33 41	13 00-1067	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	98.16	22.54
	33 41	13 00-1068	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	116.10	25.55
	33 41	13 00-1069	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	126.82	27.05
33 41	13 00-1070			14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1059)</small>		
	33 41	13 00-1071	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	39.29	8.65
	33 41	13 00-1072	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	44.77	9.37
	33 41	13 00-1073	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	49.96	10.09
	33 41	13 00-1074	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	65.18	12.97
	33 41	13 00-1075	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	82.87	16.53
	33 41	13 00-1076	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	94.51	19.54
	33 41	13 00-1077	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	106.71	22.54
	33 41	13 00-1078	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	125.71	25.55
	33 41	13 00-1079	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	137.53	27.05
	33 41	13 00-1080	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	167.05	33.06
	33 41	13 00-1081	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	205.22	48.09
	33 41	13 00-1082	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	222.16	52.59
33 41	13 00-1083			12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1059)</small>		
	33 41	13 00-1084	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	75.96	12.97
	33 41	13 00-1085	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	95.77	16.53
	33 41	13 00-1086	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	109.63	19.54
	33 41	13 00-1087	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	123.95	22.54
	33 41	13 00-1088	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	145.10	25.55
	33 41	13 00-1089	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	159.11	27.05
	33 41	13 00-1090	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	190.73	33.06
	33 41	13 00-1091	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	231.03	48.09
	33 41	13 00-1092	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	250.12	52.59
	33 41	13 00-1093	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	267.10	56.36
	33 41	13 00-1094	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	284.10	60.12
	33 41	13 00-1095	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	301.60	63.87
	33 41	13 00-1096	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	320.14	67.63



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 41 13 00-1097	Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-0408)</small>		
33 41 13 00-1098	2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1097)</small>		
33 41 13 00-1099	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1098)</small>		
33 41 13 00-1100	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.79 6.66	7.93
33 41 13 00-1101	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	33.02 7.96	8.65
33 41 13 00-1102	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	37.62 9.57	9.37
33 41 13 00-1103	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	42.14 11.03	10.09
33 41 13 00-1104	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	55.03 14.01	12.97
33 41 13 00-1105	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	71.71 18.07	16.53
33 41 13 00-1106	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1098)</small>		
33 41 13 00-1107	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	32.52 6.90	7.93
33 41 13 00-1108	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	36.33 8.27	8.65
33 41 13 00-1109	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	41.35 9.83	9.37
33 41 13 00-1110	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	46.46 11.34	10.09
33 41 13 00-1111	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	60.41 14.37	12.97
33 41 13 00-1112	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	78.11 18.30	16.53
33 41 13 00-1113	LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	89.55 21.80	19.54
33 41 13 00-1114	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1098)</small>		
33 41 13 00-1115	LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	43.09 7.57	8.65
33 41 13 00-1116	LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	49.36 9.00	9.37
33 41 13 00-1117	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	55.53 10.33	10.09
33 41 13 00-1118	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	71.73 13.04	12.97
33 41 13 00-1119	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	91.79 16.39	16.53
33 41 13 00-1120	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	105.50 19.43	19.54
33 41 13 00-1121	LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	123.22 23.14	22.54
33 41 13 00-1122	LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	137.76 25.50	25.55
33 41 13 00-1123	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1098)</small>		
33 41 13 00-1124	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	104.07 17.25	16.53
33 41 13 00-1125	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	119.82 20.39	19.54
33 41 13 00-1126	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	139.46 24.08	22.54
33 41 13 00-1127	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	156.13 26.66	25.55
33 41 13 00-1128	LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	170.87 29.23	27.05
33 41 13 00-1129	3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1097)</small>		
33 41 13 00-1130	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1129)</small>		
33 41 13 00-1131	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	133.16 38.31	25.55
33 41 13 00-1132	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	145.48 41.92	27.05



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1133	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	179.70 52.65	33.06
33 41 13 00-1134	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	218.88 56.44	48.09
33 41 13 00-1135	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	237.15 60.43	52.59
33 41 13 00-1136	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	253.40 64.44	56.36
33 41 13 00-1137	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	269.61 68.42	60.12
33 41 13 00-1138	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	286.40 72.41	63.87
33 41 13 00-1139		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1129)</small>		
33 41 13 00-1140	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	172.75 47.64	27.05
33 41 13 00-1141	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	209.93 58.22	33.06
33 41 13 00-1142	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	251.80 62.62	48.09
33 41 13 00-1143	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	272.70 67.17	52.59
33 41 13 00-1144	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	291.64 71.75	56.36
33 41 13 00-1145	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	310.54 76.31	60.12
33 41 13 00-1146	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	329.95 80.86	63.87
33 41 13 00-1147	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	351.52 85.45	67.63
33 41 13 00-1148	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	374.76 90.02	75.15
33 41 13 00-1149	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	398.86 95.04	82.66
33 41 13 00-1150		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1129)</small>		
33 41 13 00-1151	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	282.36 67.78	48.09
33 41 13 00-1152	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	305.81 72.82	52.59
33 41 13 00-1153	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	327.25 77.88	56.36
33 41 13 00-1154	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	348.61 82.90	60.12
33 41 13 00-1155	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	372.23 88.55	63.87
33 41 13 00-1156	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	394.61 93.00	67.63
33 41 13 00-1157	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	420.38 98.05	75.15
33 41 13 00-1158	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	446.75 103.42	82.66
33 41 13 00-1159	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	475.16 109.88	90.17
33 41 13 00-1160		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1097)</small>		
33 41 13 00-1161		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1160)</small>		
33 41 13 00-1162	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	254.88 61.63	48.09
33 41 13 00-1163	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	275.52 65.91	52.59
33 41 13 00-1164	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	293.99 70.16	56.36
33 41 13 00-1165	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	312.46 74.39	60.12
33 41 13 00-1166	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	331.54 78.65	63.87
33 41 13 00-1167	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	352.87 82.99	67.63
33 41 13 00-1168	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	375.89 87.31	75.15
33 41 13 00-1169	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	401.43 92.72	82.66

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1170		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1160)</small>		
33 41 13 00-1171	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	288.74 68.36	48.09
33 41 13 00-1172	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	312.08 73.24	52.59
33 41 13 00-1173	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	333.29 78.09	56.36
33 41 13 00-1174	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	354.59 82.96	60.12
33 41 13 00-1175	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	375.99 87.68	63.87
33 41 13 00-1176	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	400.43 92.75	67.63
33 41 13 00-1177	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	426.26 97.70	75.15
33 41 13 00-1178	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	454.57 103.62	82.66
33 41 13 00-1179	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	480.99 109.22	90.17
33 41 13 00-1180		Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-0408)</small>		
33 41 13 00-1181		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1180)</small>		
33 41 13 00-1182		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1181)</small>		
33 41 13 00-1183	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.25 1.27	4.32
33 41 13 00-1184	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.44 1.72	5.41
33 41 13 00-1185	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.10 2.27	6.48
33 41 13 00-1186		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1181)</small>		
33 41 13 00-1187	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.70 1.26	4.32
33 41 13 00-1188	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.49 1.72	5.41
33 41 13 00-1189	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.84 2.27	6.48
33 41 13 00-1190		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1180)</small>		
33 41 13 00-1191		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1190)</small>		
33 41 13 00-1192	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.20 2.49	7.57
33 41 13 00-1193	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	33.19 3.13	7.93
33 41 13 00-1194	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.43 3.80	8.65
33 41 13 00-1195	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	42.73 4.54	9.37
33 41 13 00-1196	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	47.58 5.14	10.09
33 41 13 00-1197		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1190)</small>		
33 41 13 00-1198	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	32.32 2.44	7.57
33 41 13 00-1199	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.16 3.07	7.93
33 41 13 00-1200	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	42.18 3.72	8.65
33 41 13 00-1201	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	48.25 4.42	9.37
33 41 13 00-1202	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	53.91 5.02	10.09
33 41 13 00-1203	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	70.37 6.43	12.97
33 41 13 00-1204	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	89.47 8.00	16.53



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1205				12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1190)</small>		
			LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	66.01 4.76	10.09
			LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	85.44 6.06	12.97
			LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	107.56 7.47	16.53
			LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	123.53 8.78	19.54
			LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	139.68 9.94	22.54
			LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	164.02 11.79	25.55
33 41 13 00-1212				10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1190)</small>		
			LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	126.85 7.34	16.53
			LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	146.00 8.62	19.54
			LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	165.44 9.78	22.54
			LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	192.99 11.48	25.55
			LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	212.06 12.65	27.05
33 41 13 00-1218				3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1180)</small>		
33 41 13 00-1219				16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1218)</small>		
			LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	69.38 7.34	12.97
			LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	88.24 7.34	16.53
			LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	100.58 8.62	19.54
			LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	113.86 9.78	22.54
			LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	134.11 11.48	25.55
33 41 13 00-1225				14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1218)</small>		
			LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	77.32 7.34	12.97
			LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	99.56 7.34	16.53
			LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	113.73 8.62	19.54
			LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	128.21 9.78	22.54
			LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	159.91 11.48	25.55
			LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	164.96 12.65	27.05
			LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	200.44 11.48	33.06
			LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	241.05 12.65	48.09
			LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	260.35 12.65	52.59
33 41 13 00-1235				12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1218)</small>		
			LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	95.85 7.34	12.97
			LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	120.40 7.34	16.53
			LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	138.63 8.62	19.54
			LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	156.77 9.78	22.54
			LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	182.97 11.48	25.55
			LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	200.46 12.65	27.05
			LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	239.38 11.48	33.06
			LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	283.52 12.65	48.09
			LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	306.29 12.65	52.59
			LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	327.06 12.65	56.36
			LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	347.79 12.65	60.12
			LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	369.07 12.65	63.87
33 41 13 00-1248				10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1218)</small>		
			LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	237.80 12.65	27.05
			LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	278.88 12.65	33.06
			LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	326.56 12.65	48.09
			LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	352.88 12.65	52.59
			LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	377.14 12.65	56.36
			LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	401.41 12.65	60.12
			LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	426.21 12.65	63.87

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1256 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	453.14	67.63
33 41 13 00-1257 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	481.76	75.15
33 41 13 00-1258 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1180)</small>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 41 13 00-1259 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1258)</small>		
33 41 13 00-1260 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	48.11	8.65
33 41 13 00-1261 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.76	9.37
33 41 13 00-1262 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	61.78	10.09
33 41 13 00-1263 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	71.33	11.54
33 41 13 00-1264 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.25	12.97
33 41 13 00-1265 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.99	14.41
33 41 13 00-1266 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1258)</small>		
33 41 13 00-1267 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.83	8.65
33 41 13 00-1268 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	63.01	9.37
33 41 13 00-1269 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.81	10.09
33 41 13 00-1270 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	81.46	11.54
33 41 13 00-1271 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.49	12.97
33 41 13 00-1272 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.37	14.41
33 41 13 00-1273 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	114.97	16.53
33 41 13 00-1274 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.16	19.54
33 41 13 00-1275 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.51	22.54
33 41 13 00-1276 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1258)</small>		
33 41 13 00-1277 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	113.47	12.97
33 41 13 00-1278 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	125.49	14.41
33 41 13 00-1279 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.33	16.53
33 41 13 00-1280 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	162.94	19.54
33 41 13 00-1281 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	184.68	22.54
33 41 13 00-1282 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	252.83	25.55
33 41 13 00-1283 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.12	27.05
33 41 13 00-1284 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1258)</small>		
33 41 13 00-1285 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.34	22.54
33 41 13 00-1286 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	297.01	25.55
33 41 13 00-1287 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.26	27.05
33 41 13 00-1288 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	380.75	33.06
33 41 13 00-1289 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	436.90	48.09
33 41 13 00-1290 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	472.08	52.59
33 41 13 00-1291 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.94	56.36
33 41 13 00-1292 Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-0408)</small>		
33 41 13 00-1293 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1292)</small>		
33 41 13 00-1294 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1293)</small>		
33 41 13 00-1295 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	34.60	7.93
For Bituminous Coated Pipe, Add	3.13	
33 41 13 00-1296 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	38.77	8.65
For Bituminous Coated Pipe, Add	3.74	
33 41 13 00-1297 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	44.26	9.37
For Bituminous Coated Pipe, Add	4.45	
33 41 13 00-1298 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1293)</small>		
33 41 13 00-1299 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	38.58	7.93
For Bituminous Coated Pipe, Add	3.12	
33 41 13 00-1300 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	42.59	8.65
For Bituminous Coated Pipe, Add	3.60	
33 41 13 00-1301 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	49.78	9.37
For Bituminous Coated Pipe, Add	4.42	
33 41 13 00-1302 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	55.98	10.09
For Bituminous Coated Pipe, Add	5.07	
33 41 13 00-1303 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	72.43	12.97
For Bituminous Coated Pipe, Add	6.41	
33 41 13 00-1304 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1293)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	33 41	13 00-1305	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	68.10 4.83	10.09	
	33 41	13 00-1306	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	87.54 6.09	12.97	
	33 41	13 00-1307	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	111.12 7.61	16.53	
	33 41	13 00-1308	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	128.22 9.00	19.54	
33 41	13 00-1309	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1293)</small>					
	33 41	13 00-1310	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	130.38 7.34	16.53	
	33 41	13 00-1311	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	150.72 8.66	19.54	
	33 41	13 00-1312	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	174.91 10.14	22.54	
	33 41	13 00-1313	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	196.10 11.29	25.55	
33 41	13 00-1314	3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1292)</small>					
33 41	13 00-1315	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1314)</small>					
	33 41	13 00-1316	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	154.03	25.55	
	33 41	13 00-1317	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	168.58	27.05	
	33 41	13 00-1318	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	204.92	33.06	
33 41	13 00-1319	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1314)</small>					
	33 41	13 00-1320	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	186.08	25.55	
	33 41	13 00-1321	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	204.08	27.05	
	33 41	13 00-1322	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	243.69	33.06	
	33 41	13 00-1323	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	288.16	48.09	
	33 41	13 00-1324	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	311.26	52.59	
	33 41	13 00-1325	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	332.36	56.36	
33 41	13 00-1326	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1314)</small>					
	33 41	13 00-1327	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	241.37	27.05	
	33 41	13 00-1328	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	283.03	33.06	
	33 41	13 00-1329	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	331.04	48.09	
	33 41	13 00-1330	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	357.68	52.59	
	33 41	13 00-1331	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	382.28	56.36	
	33 41	13 00-1332	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	406.86	60.12	
33 41	13 00-1333	Corrugated Steel Pipe Fittings <small>(33 41 13 00-0408)</small> Note: Equivalent pipe-arch sizes are approximate.					
33 41	13 00-1334	Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 41 13 00-1333)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.					
	33 41	13 00-1335	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	64.22		
	33 41	13 00-1336	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	80.54		
	33 41	13 00-1337	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	96.85		
	33 41	13 00-1338	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	114.20		
	33 41	13 00-1339	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	138.65		
	33 41	13 00-1340	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	163.11		
	33 41	13 00-1341	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	187.58		
	33 41	13 00-1342	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	212.05		
	33 41	13 00-1343	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	276.28		
	33 41	13 00-1344	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	329.28		
	33 41	13 00-1345	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	382.30		
	33 41	13 00-1346	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	494.44		
	33 41	13 00-1347	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	557.66		
	33 41	13 00-1348	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	622.90		
	33 41	13 00-1349	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	690.18		

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1350 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	841.07	
33 41 13 00-1351 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	917.52	
33 41 13 00-1352 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	996.02	
33 41 13 00-1353 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,222.34	
33 41 13 00-1354 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,312.06	
33 41 13 00-1355 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,402.79	
33 41 13 00-1356 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,493.52	
33 41 13 00-1357 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,583.23	
33 41 13 00-1358 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,673.97	
33 41 13 00-1359 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,769.63	
33 41 13 00-1360 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,870.77	
33 41 13 00-1361 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,977.65	
33 41 13 00-1362 Fabricate Corrugated Steel Pipe Tees Or Laterals (33 41 13 00-1333)		
Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 41 13 00-1363 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	83.60	
33 41 13 00-1364 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	107.05	
33 41 13 00-1365 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	130.48	
33 41 13 00-1366 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	153.94	
33 41 13 00-1367 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	187.58	
33 41 13 00-1368 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	222.23	
33 41 13 00-1369 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	256.92	
33 41 13 00-1370 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	291.55	
33 41 13 00-1371 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	382.30	
33 41 13 00-1372 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	455.71	
33 41 13 00-1373 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	530.12	
33 41 13 00-1374 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	688.14	
33 41 13 00-1375 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	774.79	
33 41 13 00-1376 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	864.50	
33 41 13 00-1377 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	956.25	
33 41 13 00-1378 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,166.26	
33 41 13 00-1379 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,270.26	
33 41 13 00-1380 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,376.28	
33 41 13 00-1381 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,693.32	
33 41 13 00-1382 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,814.64	
33 41 13 00-1383 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	1,935.96	
33 41 13 00-1384 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,058.28	
33 41 13 00-1385 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,180.63	
33 41 13 00-1386 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,301.93	
33 41 13 00-1387 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	2,430.00	
33 41 13 00-1388 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,565.18	
33 41 13 00-1389 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,707.86	
33 41 13 00-1390 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 41 13 00-1333)		
Note: Applied to pipe tasks.		
33 41 13 00-1391 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	32.06	
33 41 13 00-1392 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	40.33	
33 41 13 00-1393 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	50.72	
33 41 13 00-1394 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	62.11	
33 41 13 00-1395 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	78.59	
33 41 13 00-1396 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	96.25	
33 41 13 00-1397 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	112.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1398 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	130.98	
33 41 13 00-1399 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	160.87	
33 41 13 00-1400 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	191.80	
33 41 13 00-1401 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	228.85	
33 41 13 00-1402 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	281.52	
33 41 13 00-1403 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	318.64	
33 41 13 00-1404 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	358.84	
33 41 13 00-1405 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	435.17	
33 41 13 00-1406 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	482.59	
33 41 13 00-1407 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	588.81	
33 41 13 00-1408 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	641.42	
33 41 13 00-1409 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	697.12	
33 41 13 00-1410 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	751.74	
33 41 13 00-1411 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	807.43	
33 41 13 00-1412 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	864.13	
33 41 13 00-1413 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	919.84	
33 41 13 00-1414 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	975.51	
33 41 13 00-1415 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,034.55	
33 41 13 00-1416 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,097.16	
33 41 13 00-1417 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,163.56	
33 41 13 00-1418 Coupling Bands, Corrugated Metal Pipe Fitting (33 41 13 00-1333)		
33 41 13 00-1419 EA 6" Coupling Band, Corrugated Metal Pipe Fitting	7.26	
For Bituminous Coated, Add	2.11	
33 41 13 00-1420 EA 8" Coupling Band, Corrugated Metal Pipe Fitting	9.63	
For Bituminous Coated, Add	2.79	
33 41 13 00-1421 EA 10" Coupling Band, Corrugated Metal Pipe Fitting	12.13	
For Bituminous Coated, Add	3.52	
33 41 13 00-1422 EA 12" Coupling Band, Corrugated Metal Pipe Fitting	20.14	
For Bituminous Coated, Add	5.84	
33 41 13 00-1423 EA 15" Coupling Band, Corrugated Metal Pipe Fitting	25.39	
For Bituminous Coated, Add	7.36	
33 41 13 00-1424 EA 18" Coupling Band, Corrugated Metal Pipe Fitting	37.26	
For Bituminous Coated, Add	10.81	
33 41 13 00-1425 EA 21" Coupling Band, Corrugated Metal Pipe Fitting	44.22	
For Bituminous Coated, Add	12.82	
33 41 13 00-1426 EA 24" Coupling Band, Corrugated Metal Pipe Fitting	50.14	
For Bituminous Coated, Add	14.54	
33 41 13 00-1427 EA 30" Coupling Band, Corrugated Metal Pipe Fitting	86.77	
For Bituminous Coated, Add	25.16	
33 41 13 00-1428 EA 36" Coupling Band, Corrugated Metal Pipe Fitting	138.83	
For Bituminous Coated, Add	33.32	
33 41 13 00-1429 EA 42" Coupling Band, Corrugated Metal Pipe Fitting	163.12	
For Bituminous Coated, Add	39.15	
33 41 13 00-1430 EA 48" Coupling Band, Corrugated Metal Pipe Fitting	182.78	
For Bituminous Coated, Add	43.87	
33 41 13 00-1431 EA 54" Coupling Band, Corrugated Metal Pipe Fitting	259.22	
For Bituminous Coated, Add	62.21	
33 41 13 00-1432 EA 60" Coupling Band, Corrugated Metal Pipe Fitting	370.76	
For Bituminous Coated, Add	66.74	
33 41 13 00-1433 EA 66" Coupling Band, Corrugated Metal Pipe Fitting	455.65	
For Bituminous Coated, Add	82.02	
33 41 13 00-1434 EA 72" Coupling Band, Corrugated Metal Pipe Fitting	585.31	
For Bituminous Coated, Add	81.94	
33 41 13 00-1435 EA 78" Coupling Band, Corrugated Metal Pipe Fitting	626.03	
For Bituminous Coated, Add	87.64	
33 41 13 00-1436 EA 84" Coupling Band, Corrugated Metal Pipe Fitting	666.98	
For Bituminous Coated, Add	93.38	
33 41 13 00-1437 EA 90" Coupling Band, Corrugated Metal Pipe Fitting	707.72	
For Bituminous Coated, Add	99.08	
33 41 13 00-1438 EA 96" Coupling Band, Corrugated Metal Pipe Fitting	748.56	
For Bituminous Coated, Add	104.80	
33 41 13 00-1439 EA 102" Coupling Band, Corrugated Metal Pipe Fitting	789.51	
For Bituminous Coated, Add	110.53	
33 41 13 00-1440 EA 108" Coupling Band, Corrugated Metal Pipe Fitting	830.27	
For Bituminous Coated, Add	116.24	
33 41 13 00-1441 EA 114" Coupling Band, Corrugated Metal Pipe Fitting	983.36	
For Bituminous Coated, Add	118.00	
33 41 13 00-1442 EA 120" Coupling Band, Corrugated Metal Pipe Fitting	911.73	
For Bituminous Coated, Add	109.41	
33 41 13 00-1443 EA 126" Coupling Band, Corrugated Metal Pipe Fitting	952.36	
For Bituminous Coated, Add	114.28	
33 41 13 00-1444 EA 132" Coupling Band, Corrugated Metal Pipe Fitting	993.29	
For Bituminous Coated, Add	119.19	
33 41 13 00-1445 EA 138" Coupling Band, Corrugated Metal Pipe Fitting	1,034.26	
For Bituminous Coated, Add	124.11	
33 41 13 00-1446 Corrugated Metal Pipe End Sections (33 41 13 00-0408)		
33 41 13 00-1447 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1446)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1448			Type 1 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1447)		
			Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1449	EA		12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	192.10	50.45
33 41 13 00-1450	EA		15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	222.17	54.06
33 41 13 00-1451	EA		18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	258.44	57.67
33 41 13 00-1452	EA		21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	311.83	63.07
33 41 13 00-1453	EA		24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	345.19	68.47
33 41 13 00-1454			Type 2 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1447)		
			Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1455	EA		30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	550.92	77.49
33 41 13 00-1456	EA		36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	710.20	90.17
33 41 13 00-1457	EA		42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,084.92	105.20
33 41 13 00-1458	EA		48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,324.25	120.23
33 41 13 00-1459	EA		54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,578.46	150.28
33 41 13 00-1460	EA		60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,844.03	180.35
33 41 13 00-1461			Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1447)		
			Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1462	EA		12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	200.25	50.45
33 41 13 00-1463	EA		15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	230.55	54.06
33 41 13 00-1464	EA		18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	271.32	57.67
33 41 13 00-1465	EA		21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	327.29	63.07
33 41 13 00-1466	EA		24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	362.73	68.47
33 41 13 00-1467	EA		30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	604.76	77.49
33 41 13 00-1468	EA		36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	776.28	90.17
33 41 13 00-1469	EA		42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,230.91	105.20
33 41 13 00-1470	EA		48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,512.65	120.23
33 41 13 00-1471	EA		54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,768.99	150.28
33 41 13 00-1472	EA		60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,447.47	180.35
33 41 13 00-1473	EA		66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,786.84	270.51
33 41 13 00-1474	EA		72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,267.32	360.68
33 41 13 00-1475	EA		78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,558.17	386.98
33 41 13 00-1476	EA		84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,855.99	413.29
33 41 13 00-1477			Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 41 13 00-1447)		
			Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1478	EA		12" Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	21.72	
33 41 13 00-1479	EA		15" Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	24.02	
33 41 13 00-1480	EA		18" Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	26.82	
33 41 13 00-1481	EA		21" Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	29.14	
33 41 13 00-1482	EA		24" Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	32.53	
33 41 13 00-1483	EA		30" Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	55.60	
33 41 13 00-1484	EA		36" Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	59.86	
33 41 13 00-1485	EA		42" Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	80.76	
33 41 13 00-1486	EA		48" Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	86.72	
33 41 13 00-1487	EA		54" Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	105.50	
33 41 13 00-1488	EA		60" Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	108.49	
33 41 13 00-1489	EA		66" Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section.....	116.73	
33 41 13 00-1490	EA		72" Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section.....	135.58	
33 41 13 00-1491	EA		78" Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section.....	151.42	
33 41 13 00-1492	EA		84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	155.76	
33 41 13 00-1493			Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1448)		
33 41 13 00-1494			Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1493)		
			Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1495	EA		17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	222.17	54.06
33 41 13 00-1496	EA		21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	258.44	57.67
33 41 13 00-1497	EA		24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	311.83	63.07
33 41 13 00-1498	EA		28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	345.19	68.47
33 41 13 00-1499			Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1493)		
			Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1500	EA		17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	215.14	54.06
33 41 13 00-1501	EA		21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	245.43	57.67
33 41 13 00-1502	EA		24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	274.59	63.07
33 41 13 00-1503	EA		28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	309.63	68.47
33 41 13 00-1504	EA		35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	449.54	77.49
33 41 13 00-1505	EA		42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	648.50	90.17
33 41 13 00-1506	EA		49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,004.78	105.20
33 41 13 00-1507	EA		57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,270.84	120.23
33 41 13 00-1508			Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1493)		
			Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1509 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	218.71	54.06
33 41 13 00-1510 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	253.19	57.67
33 41 13 00-1511 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	286.72	63.07
33 41 13 00-1512 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	324.01	68.47
33 41 13 00-1513 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	473.98	77.49
33 41 13 00-1514 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	681.84	90.17
33 41 13 00-1515 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,058.10	105.20
33 41 13 00-1516 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,332.21	120.23
33 41 13 00-1517 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,603.68	150.28
33 41 13 00-1518 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,105.85	180.35
33 41 13 00-1519 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,941.70	270.51
33 41 13 00-1520 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,265.25	360.68
33 41 13 00-1521 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1493)</small>		
33 41 13 00-1522 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	24.02	
33 41 13 00-1523 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	26.82	
33 41 13 00-1524 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	29.14	
33 41 13 00-1525 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	32.53	
33 41 13 00-1526 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	55.60	
33 41 13 00-1527 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	59.86	
33 41 13 00-1528 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	80.76	
33 41 13 00-1529 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	89.98	
33 41 13 00-1530 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	105.50	
33 41 13 00-1531 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	109.78	
33 41 13 00-1532 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	127.28	
33 41 13 00-1533 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	147.19	
33 41 13 00-1534 Corrugated Aluminum Pipe End Sections <small>(33 41 13 00-1446)</small>		
33 41 13 00-1535 Corrugated Aluminum Pipe End Sections <small>(33 41 13 00-1534)</small>		
33 41 13 00-1536 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	286.79	50.45
33 41 13 00-1537 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	329.99	54.06
33 41 13 00-1538 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	390.39	57.67
33 41 13 00-1539 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	482.88	63.07
33 41 13 00-1540 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	628.88	68.47
33 41 13 00-1541 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	939.80	77.49
33 41 13 00-1542 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,272.16	90.17
33 41 13 00-1543 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,581.96	90.17
33 41 13 00-1544 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,016.97	105.20
33 41 13 00-1545 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,876.57	120.23
33 41 13 00-1546 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,187.61	150.28
33 41 13 00-1547 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,294.72	180.35
33 41 13 00-1548 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,869.40	270.51
33 41 13 00-1549 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,698.66	360.68
33 41 13 00-1550 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,223.39	386.98
33 41 13 00-1551 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,567.18	413.29
33 41 13 00-1552 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,975.99	450.85
33 41 13 00-1553 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,935.98	488.42
33 41 13 00-1554 Toe Plate Extensions For Corrugated Aluminum Pipe End Section <small>(33 41 13 00-1534)</small>		
33 41 13 00-1555 EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	39.24	
33 41 13 00-1556 EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	41.51	
33 41 13 00-1557 EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	44.86	
33 41 13 00-1558 EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	50.32	
33 41 13 00-1559 EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	53.48	
33 41 13 00-1560 EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	69.50	
33 41 13 00-1561 EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	83.22	
33 41 13 00-1562 EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	87.39	
33 41 13 00-1563 EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	95.82	
33 41 13 00-1564 EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	108.29	
33 41 13 00-1565 EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	127.71	
33 41 13 00-1566 EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	175.27	
33 41 13 00-1567 EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	190.30	
33 41 13 00-1568 EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	244.25	
33 41 13 00-1569 EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	264.71	
33 41 13 00-1570 EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	282.19	
33 41 13 00-1571 EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	300.49	
33 41 13 00-1572 EA 96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension	319.11	
33 41 13 00-1573 Corrugated Aluminum Pipe-Arch End Sections <small>(33 41 13 00-1446)</small>		
33 41 13 00-1574 Corrugated Aluminum Pipe-Arch End Sections <small>(33 41 13 00-1573)</small>		
33 41 13 00-1575 EA 17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	340.00	54.06
33 41 13 00-1576 EA 21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	414.79	57.67
33 41 13 00-1577 EA 24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	450.51	63.07
33 41 13 00-1578 EA 28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	486.18	68.47

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1579 EA 35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	725.75	77.49
33 41 13 00-1580 EA 42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,286.40	90.17
33 41 13 00-1581 EA 42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,364.95	90.17
33 41 13 00-1582 EA 49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,823.24	105.20
33 41 13 00-1583 EA 57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,801.13	120.23
33 41 13 00-1584 EA 64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,208.09	150.28
33 41 13 00-1585 EA 71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,878.76	180.35
33 41 13 00-1586 EA 77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,495.35	270.51
33 41 13 00-1587 EA 83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,823.16	360.68
33 41 13 00-1588 EA 87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,428.80	386.98
33 41 13 00-1589 EA 95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,754.49	413.29
33 41 13 00-1590 EA 103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,452.49	450.85
33 41 13 00-1591 EA 112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,955.20	488.42
33 41 13 00-1592 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 41		
<small>13 00-1573)</small>		
33 41 13 00-1593 EA Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	41.51	
33 41 13 00-1594 EA Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	44.86	
33 41 13 00-1595 EA Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	47.40	
33 41 13 00-1596 EA Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	51.88	
33 41 13 00-1597 EA Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	60.32	
33 41 13 00-1598 EA Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	77.95	
33 41 13 00-1599 EA Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	84.60	
33 41 13 00-1600 EA Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	95.82	
33 41 13 00-1601 EA Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	108.29	
33 41 13 00-1602 EA Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	127.71	
33 41 13 00-1603 EA Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	160.48	
33 41 13 00-1604 EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	202.69	
33 41 13 00-1605 EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	275.21	
33 41 13 00-1606 EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	311.83	
33 41 13 00-1607 EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	327.14	
33 41 13 00-1608 EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	339.94	
33 41 13 00-1609 EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	355.35	
33 41 13 00-1610 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 41 13 00-1446)		
33 41 13 00-1611 4:1 Corrugated Steel Pipe End Sections (33 41 13 00-1610)		
33 41 13 00-1612 EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	372.58	54.06
33 41 13 00-1613 EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	474.28	57.67
33 41 13 00-1614 EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	577.25	63.07
33 41 13 00-1615 EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	687.34	68.47
33 41 13 00-1616 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 41 13 00-1610)		
Note: Includes nut and bolt set.		
33 41 13 00-1617 EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	260.24	
33 41 13 00-1618 EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	510.17	
33 41 13 00-1619 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	559.79	
33 41 13 00-1620 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	582.64	
33 41 13 00-1621 6:1 Corrugated Steel Pipe End Sections (33 41 13 00-1610)		
33 41 13 00-1622 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	456.51	54.06
33 41 13 00-1623 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	597.18	57.67
33 41 13 00-1624 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	793.39	63.07
33 41 13 00-1625 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	931.59	68.47
33 41 13 00-1626 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 41 13 00-1610)		
Note: Includes nut and bolt set.		
33 41 13 00-1627 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	601.63	
33 41 13 00-1628 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	638.79	
33 41 13 00-1629 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	702.65	
33 41 13 00-1630 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,315.60	
33 41 13 00-1631 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 41		
<small>13 00-1610)</small>		
33 41 13 00-1632 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	45.85	
33 41 13 00-1633 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	51.16	
33 41 13 00-1634 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	55.64	
33 41 13 00-1635 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	62.01	
33 41 13 00-1636 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 41 13		
<small>00-1446)</small>		
33 41 13 00-1637 4:1 Corrugated Steel Pipe-Arch End Section (33 41 13 00-1636)		



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-1638	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	517.74	57.67
33 41	13 00-1639	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	648.80	63.07
33 41	13 00-1640	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	767.40	68.47
33 41	13 00-1641	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,441.63	77.49
33 41	13 00-1642		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1636)</small>		
			Note: Includes nut and bolt set.		
33 41	13 00-1643	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	368.84	
33 41	13 00-1644	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	670.27	
33 41	13 00-1645	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	706.27	
33 41	13 00-1646	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,038.59	
33 41	13 00-1647		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1636)</small>		
33 41	13 00-1648	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	53.56	
33 41	13 00-1649	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	60.73	
33 41	13 00-1650	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	66.21	
33 41	13 00-1651	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	79.00	
33 41	13 00-1652		Vitrified Clay Piping <small>(33 41 13)</small>		
33 41	13 00-1653		Extra Strength Vitrified Clay Piping <small>(33 41 13 00-1652)</small>		
33 41	13 00-1654		Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 41 13 00-1653)</small>		
			Note: ASTM C700.		
33 41	13 00-1655	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	13.30	
			For 3' Lengths, Add	0.87	
			For 2' Lengths, Add	1.16	
			For Standard Strength, Deduct	-0.29	
			For >1,000, Deduct	-0.67	
33 41	13 00-1656	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	17.03	
			For 3' Lengths, Add	1.35	
			For 2' Lengths, Add	1.80	
			For Standard Strength, Deduct	-0.45	
			For >1,000, Deduct	-0.85	
33 41	13 00-1657	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	21.08	
			For 3' Lengths, Add	1.93	
			For 2' Lengths, Add	2.57	
			For Standard Strength, Deduct	-0.64	
			For >1,000, Deduct	-1.05	
33 41	13 00-1658	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	25.77	
			For 3' Lengths, Add	2.95	
			For 2' Lengths, Add	3.93	
			For Standard Strength, Deduct	-0.98	
			For >1,000, Deduct	-1.29	
33 41	13 00-1659	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	31.84	
			For 3' Lengths, Add	4.16	
			For 2' Lengths, Add	5.55	
			For Standard Strength, Deduct	-1.39	
			For >1,000, Deduct	-1.59	
33 41	13 00-1660	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	46.00	
			For 3' Lengths, Add	7.81	
			For 2' Lengths, Add	10.41	
			For Standard Strength, Deduct	-2.60	
			For >1,000, Deduct	-2.30	
33 41	13 00-1661	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	62.22	
			For 3' Lengths, Add	11.19	
			For 2' Lengths, Add	14.92	
			For Standard Strength, Deduct	-3.73	
			For >1,000, Deduct	-3.11	
33 41	13 00-1662	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	91.18	
			For 3' Lengths, Add	17.93	
			For 2' Lengths, Add	23.90	
			For Standard Strength, Deduct	-5.98	
			For >1,000, Deduct	-4.56	
33 41	13 00-1663	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	116.23	
			For 3' Lengths, Add	23.42	
			For 2' Lengths, Add	31.22	
			For Standard Strength, Deduct	-7.81	
			For >1,000, Deduct	-5.81	
33 41	13 00-1664	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	144.92	
			For 3' Lengths, Add	29.20	
			For 2' Lengths, Add	38.93	
			For Standard Strength, Deduct	-9.73	
			For >1,000, Deduct	-7.25	
33 41	13 00-1665	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	170.47	
			For 3' Lengths, Add	35.27	
			For 2' Lengths, Add	47.03	
			For Standard Strength, Deduct	-11.76	
			For >1,000, Deduct	-8.52	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1666 Compression Joint, Extra Strength, Vitrified Clay Piping (33 41 13 00-1663) Note: ASTM C425.		
33 41 13 00-1667 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	15.90	
For 3' Lengths, Add	1.02	
For 2' Lengths, Add	1.36	
For Standard Strength, Deduct	-0.34	
For >1,000, Deduct	-0.80	
33 41 13 00-1668 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	20.61	
For 3' Lengths, Add	1.67	
For 2' Lengths, Add	2.23	
For Standard Strength, Deduct	-0.56	
For >1,000, Deduct	-1.03	
33 41 13 00-1669 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	25.46	
For 3' Lengths, Add	2.36	
For 2' Lengths, Add	3.14	
For Standard Strength, Deduct	-0.79	
For >1,000, Deduct	-1.27	
33 41 13 00-1670 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	32.04	
For 3' Lengths, Add	3.87	
For 2' Lengths, Add	5.16	
For Standard Strength, Deduct	-1.29	
For >1,000, Deduct	-1.60	
33 41 13 00-1671 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	38.51	
For 3' Lengths, Add	5.09	
For 2' Lengths, Add	6.78	
For Standard Strength, Deduct	-1.70	
For >1,000, Deduct	-1.93	
33 41 13 00-1672 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	54.90	
For 3' Lengths, Add	9.28	
For 2' Lengths, Add	12.37	
For Standard Strength, Deduct	-3.09	
For >1,000, Deduct	-2.75	
33 41 13 00-1673 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	75.20	
For 3' Lengths, Add	13.59	
For 2' Lengths, Add	18.12	
For Standard Strength, Deduct	-4.53	
For >1,000, Deduct	-3.76	
33 41 13 00-1674 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	106.62	
For 3' Lengths, Add	20.67	
For 2' Lengths, Add	27.56	
For Standard Strength, Deduct	-6.89	
For >1,000, Deduct	-5.33	
33 41 13 00-1675 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	138.32	
For 3' Lengths, Add	27.76	
For 2' Lengths, Add	37.01	
For Standard Strength, Deduct	-9.25	
For >1,000, Deduct	-6.92	
33 41 13 00-1676 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	218.06	
For 3' Lengths, Add	48.28	
For 2' Lengths, Add	64.38	
For Standard Strength, Deduct	-16.09	
For >1,000, Deduct	-10.90	
33 41 13 00-1677 LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	300.56	
For 3' Lengths, Add	71.12	
For 2' Lengths, Add	94.83	
For Standard Strength, Deduct	-23.71	
For >1,000, Deduct	-15.03	
33 41 13 00-1678 Extra Strength, Vitrified Clay Pipe Fittings (33 41 13 00-1652)		
33 41 13 00-1679 1/8 Bends, Extra Strength, Vitrified Clay (33 41 13 00-1678)		
33 41 13 00-1680 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 41 13 00-1679)		
33 41 13 00-1681 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	51.86	
33 41 13 00-1682 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	68.63	
33 41 13 00-1683 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	95.08	
33 41 13 00-1684 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	126.83	
33 41 13 00-1685 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	164.72	
33 41 13 00-1686 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	372.18	
33 41 13 00-1687 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	521.92	
33 41 13 00-1688 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	807.43	
33 41 13 00-1689 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	933.64	
33 41 13 00-1690 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,087.21	
33 41 13 00-1691 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,613.90	
33 41 13 00-1692 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 41 13 00-1679)		
33 41 13 00-1693 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	59.29	
33 41 13 00-1694 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	81.80	
33 41 13 00-1695 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	108.25	
33 41 13 00-1696 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	141.01	
33 41 13 00-1697 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	176.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1698 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	418.96	
33 41 13 00-1699 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	604.89	
33 41 13 00-1700 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	628.33	
33 41 13 00-1701 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,192.80	
33 41 13 00-1702 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,334.06	
33 41 13 00-1703 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,961.39	
33 41 13 00-1704 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-1678)		
33 41 13 00-1705 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-1704)		
33 41 13 00-1706 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	62.26	
33 41 13 00-1707 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	81.16	
33 41 13 00-1708 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	109.75	
33 41 13 00-1709 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	142.78	
33 41 13 00-1710 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	182.68	
33 41 13 00-1711 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	392.16	
33 41 13 00-1712 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	546.84	
33 41 13 00-1713 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	838.86	
33 41 13 00-1714 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	971.81	
33 41 13 00-1715 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,134.80	
33 41 13 00-1716 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,666.81	
33 41 13 00-1717 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-1704)		
33 41 13 00-1718 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	71.78	
33 41 13 00-1719 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	96.85	
33 41 13 00-1720 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	125.85	
33 41 13 00-1721 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	160.14	
33 41 13 00-1722 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	198.01	
33 41 13 00-1723 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	442.94	
33 41 13 00-1724 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	634.79	
33 41 13 00-1725 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,206.27	
33 41 13 00-1726 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,238.60	
33 41 13 00-1727 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,391.17	
33 41 13 00-1728 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,024.88	
33 41 13 00-1729 Wyes Or Tees, Extra Strength, Vitrified Clay (33 41 13 00-1678)		
33 41 13 00-1730 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 41 13 00-1729)		
33 41 13 00-1731 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	70.38	
33 41 13 00-1732 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	90.24	
33 41 13 00-1733 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	118.93	
33 41 13 00-1734 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	151.92	
33 41 13 00-1735 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	188.63	
33 41 13 00-1736 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	402.11	
33 41 13 00-1737 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	557.94	
33 41 13 00-1738 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	798.98	
33 41 13 00-1739 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,103.12	
33 41 13 00-1740 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,178.77	
33 41 13 00-1741 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,670.99	
33 41 13 00-1742 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 41 13 00-1729)		
33 41 13 00-1743 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	85.63	
33 41 13 00-1744 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	114.18	
33 41 13 00-1745 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	146.91	
33 41 13 00-1746 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	184.49	
33 41 13 00-1747 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	226.55	
33 41 13 00-1748 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	488.60	
33 41 13 00-1749 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	696.89	
33 41 13 00-1750 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,024.17	
33 41 13 00-1751 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,350.35	
33 41 13 00-1752 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,568.48	
33 41 13 00-1753 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	2,199.05	
33 41 13 00-1754 Vitrified Clay Couplings (33 41 13 00-1652)		
33 41 13 00-1755 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 41 13 00-1754)		
Note: Stainless steel tightening band at each end (Fernco #1002)		
33 41 13 00-1756 EA 4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	26.88	
33 41 13 00-1757 EA 4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	26.61	
33 41 13 00-1758 EA 5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	37.16	
33 41 13 00-1759 EA 5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	34.94	
33 41 13 00-1760 EA 6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	45.71	
33 41 13 00-1761 EA 6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	47.64	
33 41 13 00-1762 EA 6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	43.37	
33 41 13 00-1763 EA 8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	63.50	
33 41 13 00-1764 EA 8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	58.63	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-1765	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	83.51	
33 41	13 00-1766	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	75.98	
33 41	13 00-1767	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	104.10	
33 41	13 00-1768	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	86.80	
33 41	13 00-1769	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	177.14	
33 41	13 00-1770	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	135.90	
33 41	13 00-1771		Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings <small>(33 41 13 00-1754)</small>		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41	13 00-1772	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	39.65	
33 41	13 00-1773	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	52.20	
33 41	13 00-1774	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	54.94	
33 41	13 00-1775	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	57.61	
33 41	13 00-1776	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	70.35	
33 41	13 00-1777	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	81.15	
33 41	13 00-1778		Vitrified Clay To Plastic Pipe Non-Shear Couplings <small>(33 41 13 00-1754)</small>		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41	13 00-1779	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	40.56	
33 41	13 00-1780	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	53.12	
33 41	13 00-1781	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	49.04	
33 41	13 00-1782	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	63.10	
33 41	13 00-1783	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	89.58	
33 41	13 00-1784	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	100.89	
33 42			Culverts <small>(33 40)</small>		
33 42 16			Concrete Culverts <small>(33 42)</small>		
33 42 16 13			Precast Concrete Culverts <small>(33 42 16)</small>		
33 42 16 13-0001			Precast Reinforced Concrete Box Culvert <small>(33 42 16 13)</small>		
			Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 16 13-0002	LF	4' x 2' Precast Reinforced Concrete Box Culvert	200.48	37.57	
		For Each LF Of Cut-Off Section, Add	8.02		
33 42 16 13-0003	LF	4' x 3' Precast Reinforced Concrete Box Culvert	217.62	37.57	
		For Each LF Of Cut-Off Section, Add	8.70		
33 42 16 13-0004	LF	5' x 3' Precast Reinforced Concrete Box Culvert	285.56	46.96	
		For Each LF Of Cut-Off Section, Add	11.42		
33 42 16 13-0005	LF	5' x 4' Precast Reinforced Concrete Box Culvert	306.23	46.96	
		For Each LF Of Cut-Off Section, Add	12.25		
33 42 16 13-0006	LF	5' x 5' Precast Reinforced Concrete Box Culvert	326.89	46.96	
		For Each LF Of Cut-Off Section, Add	13.08		
33 42 16 13-0007	LF	6' x 3' Precast Reinforced Concrete Box Culvert	345.67	48.84	
		For Each LF Of Cut-Off Section, Add	13.83		
33 42 16 13-0008	LF	6' x 4' Precast Reinforced Concrete Box Culvert	369.83	48.84	
		For Each LF Of Cut-Off Section, Add	14.79		
33 42 16 13-0009	LF	6' x 6' Precast Reinforced Concrete Box Culvert	417.97	48.84	
		For Each LF Of Cut-Off Section, Add	16.72		
33 42 16 13-0010	LF	7' x 4' Precast Reinforced Concrete Box Culvert	450.98	56.36	
		For Each LF Of Cut-Off Section, Add	18.04		
33 42 16 13-0011	LF	7' x 6' Precast Reinforced Concrete Box Culvert	546.25	76.65	
		For Each LF Of Cut-Off Section, Add	21.85		
33 42 16 13-0012	LF	8' x 2' Precast Reinforced Concrete Box Culvert	408.68	48.84	
		For Each LF Of Cut-Off Section, Add	16.35		
33 42 16 13-0013	LF	8' x 3' Precast Reinforced Concrete Box Culvert	446.60	56.36	
		For Each LF Of Cut-Off Section, Add	17.86		
33 42 16 13-0014	LF	8' x 4' Precast Reinforced Concrete Box Culvert	478.47	56.36	
		For Each LF Of Cut-Off Section, Add	19.14		
33 42 16 13-0015	LF	8' x 5' Precast Reinforced Concrete Box Culvert	543.29	75.15	
		For Each LF Of Cut-Off Section, Add	21.73		
33 42 16 13-0016	LF	8' x 6' Precast Reinforced Concrete Box Culvert	570.76	75.15	
		For Each LF Of Cut-Off Section, Add	22.83		
33 42 16 13-0017	LF	8' x 8' Precast Reinforced Concrete Box Culvert	663.06	93.92	
		For Each LF Of Cut-Off Section, Add	26.52		
33 42 16 13-0018	LF	9' x 4' Precast Reinforced Concrete Box Culvert	592.66	75.15	
		For Each LF Of Cut-Off Section, Add	23.71		
33 42 16 13-0019	LF	9' x 6' Precast Reinforced Concrete Box Culvert	691.77	93.92	
		For Each LF Of Cut-Off Section, Add	27.67		
33 42 16 13-0020	LF	10' x 3' Precast Reinforced Concrete Box Culvert	679.17	93.92	
		For Each LF Of Cut-Off Section, Add	27.17		
33 42 16 13-0021	LF	10' x 4' Precast Reinforced Concrete Box Culvert	712.30	93.92	
		For Each LF Of Cut-Off Section, Add	28.49		
33 42 16 13-0022	LF	10' x 5' Precast Reinforced Concrete Box Culvert	785.08	112.71	
		For Each LF Of Cut-Off Section, Add	31.40		
33 42 16 13-0023	LF	10' x 6' Precast Reinforced Concrete Box Culvert	819.58	112.71	
		For Each LF Of Cut-Off Section, Add	32.78		
33 42 16 13-0024	LF	10' x 7' Precast Reinforced Concrete Box Culvert	854.08	112.71	
		For Each LF Of Cut-Off Section, Add	34.16		



Utilities	33	CS
Storm Drainage Utilities	33 40	
Culverts	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 16 13-0025 LF 10' x 8' Precast Reinforced Concrete Box Culvert	888.36	112.71
For Each LF Of Cut-Off Section, Add	35.53	
33 42 16 13-0026 LF 12' x 3' Precast Reinforced Concrete Box Culvert	767.03	131.50
For Each LF Of Cut-Off Section, Add	30.68	
33 42 16 13-0027 LF 12' x 4' Precast Reinforced Concrete Box Culvert	976.09	131.50
For Each LF Of Cut-Off Section, Add	39.04	
33 42 16 13-0028 LF 12' x 6' Precast Reinforced Concrete Box Culvert	1,058.73	131.50
For Each LF Of Cut-Off Section, Add	42.35	
33 42 16 13-0029 LF 12' x 8' Precast Reinforced Concrete Box Culvert	1,141.35	131.50
For Each LF Of Cut-Off Section, Add	45.65	
33 42 16 13-0030 LF 16' x 10' Precast Reinforced Concrete Box Culvert	1,426.39	150.28
For Each LF Of Cut-Off Section, Add	57.06	
33 42 16 13-0031 LF 24' x 10' Precast Reinforced Concrete Box Culvert	1,756.91	150.28
For Each LF Of Cut-Off Section, Add	70.28	
33 42 16 13-0032 Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 16 13)</small>		
Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 16 13-0033 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	629.68	37.57
For Each LF Of Cut-Off Section, Add	25.19	
33 42 16 13-0034 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	705.30	37.57
For Each LF Of Cut-Off Section, Add	28.21	
33 42 16 13-0035 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	799.68	46.96
For Each LF Of Cut-Off Section, Add	31.99	
33 42 16 13-0036 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	875.30	46.96
For Each LF Of Cut-Off Section, Add	35.01	
33 42 16 13-0037 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	950.92	46.96
For Each LF Of Cut-Off Section, Add	38.04	
33 42 16 13-0038 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	879.07	48.84
For Each LF Of Cut-Off Section, Add	35.16	
33 42 16 13-0039 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	954.69	48.84
For Each LF Of Cut-Off Section, Add	38.19	
33 42 16 13-0040 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,105.93	48.84
For Each LF Of Cut-Off Section, Add	44.24	
33 42 16 13-0041 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,045.33	56.36
For Each LF Of Cut-Off Section, Add	41.81	
33 42 16 13-0042 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,237.13	76.65
For Each LF Of Cut-Off Section, Add	49.49	
33 42 16 13-0043 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	954.69	48.84
For Each LF Of Cut-Off Section, Add	38.19	
33 42 16 13-0044 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,045.33	56.36
For Each LF Of Cut-Off Section, Add	41.81	
33 42 16 13-0045 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,120.95	56.36
For Each LF Of Cut-Off Section, Add	44.84	
33 42 16 13-0046 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,234.12	75.15
For Each LF Of Cut-Off Section, Add	49.36	
33 42 16 13-0047 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,309.74	75.15
For Each LF Of Cut-Off Section, Add	52.39	
33 42 16 13-0048 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,498.56	93.92
For Each LF Of Cut-Off Section, Add	59.94	
33 42 16 13-0049 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,322.12	75.15
For Each LF Of Cut-Off Section, Add	52.88	
33 42 16 13-0050 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,521.32	93.92
For Each LF Of Cut-Off Section, Add	60.85	
33 42 16 13-0051 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,504.87	93.92
For Each LF Of Cut-Off Section, Add	60.19	
33 42 16 13-0052 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,594.66	93.92
For Each LF Of Cut-Off Section, Add	63.79	
33 42 16 13-0053 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,722.02	112.71
For Each LF Of Cut-Off Section, Add	68.88	
33 42 16 13-0054 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,811.82	112.71
For Each LF Of Cut-Off Section, Add	72.47	
33 42 16 13-0055 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	1,901.62	112.71
For Each LF Of Cut-Off Section, Add	76.06	
33 42 16 13-0056 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,991.42	112.71
For Each LF Of Cut-Off Section, Add	79.66	
33 42 16 13-0057 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,998.42	131.50
For Each LF Of Cut-Off Section, Add	79.94	
33 42 16 13-0058 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,100.49	131.50
For Each LF Of Cut-Off Section, Add	84.02	
33 42 16 13-0059 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,304.66	131.50
For Each LF Of Cut-Off Section, Add	92.19	
33 42 16 13-0060 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,508.83	131.50
For Each LF Of Cut-Off Section, Add	100.35	
33 42 16 13-0061 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	3,000.11	150.28
For Each LF Of Cut-Off Section, Add	120.00	
33 42 16 13-0062 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	3,771.41	150.28
For Each LF Of Cut-Off Section, Add	150.86	

33 44 Storm Utility Water Drains (33 40)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 13 Utility Area Drains (33 44)

33 44 13 13 Catchbasins (33 44 13)

33 44 13 13-0001	Storm Drains (33 44 13 13) See CSI section 33 39 13 00-0001 for manhole structures.		
33 44 13 13-0002	Catch Basins And Inlet Basins (33 44 13 13-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 44 13 13-0003	Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0002) Note: Inside dimensions.		
33 44 13 13-0004	3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)		
33 44 13 13-0005 EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,255.50	234.95
33 44 13 13-0006 EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,498.75	275.29
33 44 13 13-0007 EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,741.99	315.55
33 44 13 13-0008 EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,985.26	355.89
33 44 13 13-0009 EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,228.50	396.16
33 44 13 13-0010	3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)		
33 44 13 13-0011 EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,605.95	233.53
33 44 13 13-0012 EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,989.27	311.37
33 44 13 13-0013 EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,542.75	424.60
33 44 13 13-0014 EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,094.90	495.37
33 44 13 13-0015 EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,534.51	566.14
33 44 13 13-0016	4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)		
33 44 13 13-0017 EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,725.70	254.76
33 44 13 13-0018 EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,390.26	353.83
33 44 13 13-0019 EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,923.79	459.98
33 44 13 13-0020 EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,376.46	530.75
33 44 13 13-0021 EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,283.41	679.36
33 44 13 13-0022	Cast In Place, Catch Basin (33 44 13 13-0002) Note: Inside span, overall depth.		
33 44 13 13-0023	3' x 3', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0024 EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,562.34	284.05
33 44 13 13-0025 EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,657.65	302.03
33 44 13 13-0026 EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,808.43	324.39
33 44 13 13-0027 EA	4'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,034.56	359.07
33 44 13 13-0028 EA	5' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,192.00	382.21
33 44 13 13-0029 EA	5'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,296.12	400.82
33 44 13 13-0030 EA	6' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,453.69	423.97
33 44 13 13-0031 EA	6'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,555.52	442.65
33 44 13 13-0032 EA	7' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,714.11	465.71
33 44 13 13-0033 EA	7'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,817.20	484.40
33 44 13 13-0034 EA	8' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,974.72	507.54
33 44 13 13-0035 VLF	>8' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	371.86	63.41
33 44 13 13-0036	3'-6" x 3'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0037 EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	1,799.59	328.36
33 44 13 13-0038 EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,920.18	351.43
33 44 13 13-0039 EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,077.55	374.57
33 44 13 13-0040 EA	4'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,341.67	414.84
33 44 13 13-0041 EA	5' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,515.19	441.02
33 44 13 13-0042 EA	5'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,635.23	462.74
33 44 13 13-0043 EA	6' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,810.89	488.92
33 44 13 13-0044 EA	6'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,930.94	510.66
33 44 13 13-0045 EA	7' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,105.38	536.84
33 44 13 13-0046 EA	7'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,225.64	558.56
33 44 13 13-0047 EA	8' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,400.17	584.74
33 44 13 13-0048 VLF	>8' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	425.04	73.11
33 44 13 13-0049	4' x 4', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0050 EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,053.49	375.63
33 44 13 13-0051 EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,180.69	399.47
33 44 13 13-0052 EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,362.35	427.71
33 44 13 13-0053 EA	4'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,664.87	473.64
33 44 13 13-0054 EA	5' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,856.54	502.87
33 44 13 13-0055 EA	5'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,993.66	527.71
33 44 13 13-0056 EA	6' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,185.32	556.93
33 44 13 13-0057 EA	6'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,322.23	581.77
33 44 13 13-0058 EA	7' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,513.90	611.00
33 44 13 13-0059 EA	7'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,651.03	635.83
33 44 13 13-0060 EA	8' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,842.70	665.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	480.32	83.15
33 44 13 13-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,372.45	435.57
33 44 13 13-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,520.63	460.19
33 44 13 13-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,722.15	492.04
33 44 13 13-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,067.11	544.27
33 44 13 13-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,280.26	577.24
33 44 13 13-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,438.94	605.76
33 44 13 13-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,652.29	638.74
33 44 13 13-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,810.96	667.33
33 44 13 13-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,024.11	700.31
33 44 13 13-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,181.79	728.82
33 44 13 13-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,396.14	761.80
33 44 13 13-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	549.56	95.25
33 44 13 13-0075 5' x 5', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,049.55	552.47
33 44 13 13-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,433.68	610.50
33 44 13 13-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,665.25	646.67
33 44 13 13-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,841.36	678.37
33 44 13 13-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,070.73	714.46
33 44 13 13-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,247.84	746.17
33 44 13 13-0082 EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,478.29	782.32
33 44 13 13-0083 EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,653.31	814.03
33 44 13 13-0084 EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,884.90	850.12
33 44 13 13-0085 VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	835.94	106.29
33 44 13 13-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,392.74	616.09
33 44 13 13-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,940.27	697.41
33 44 13 13-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,196.81	737.60
33 44 13 13-0090 EA 5'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,397.87	773.62
33 44 13 13-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,655.61	814.10
33 44 13 13-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,857.68	850.12
33 44 13 13-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,114.21	890.60
33 44 13 13-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,315.27	926.62
33 44 13 13-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,571.81	967.10
33 44 13 13-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	696.48	120.87
33 44 13 13-0097 6' x 6', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	3,754.10	682.69
33 44 13 13-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,357.33	771.93
33 44 13 13-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,632.73	815.65
33 44 13 13-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,852.43	854.93
33 44 13 13-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,126.82	898.66
33 44 13 13-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,347.73	937.94
33 44 13 13-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,621.92	981.68
33 44 13 13-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,841.82	1,020.95
33 44 13 13-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,117.21	1,064.69
33 44 13 13-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	764.69	133.11
33 44 13 13-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	4,131.38	752.46
33 44 13 13-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,948.20	871.77
33 44 13 13-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,250.89	920.18
33 44 13 13-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,499.02	964.12
33 44 13 13-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,801.70	1,012.46
33 44 13 13-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,049.84	1,056.48
33 44 13 13-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,352.53	1,104.81
33 44 13 13-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,600.68	1,148.76
33 44 13 13-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,904.56	1,197.16
33 44 13 13-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	863.04	149.67
33 44 13 13-0119 7' x 7', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	4,525.75	825.28
33 44 13 13-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,419.44	955.50
33 44 13 13-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,741.40	1,007.30
33 44 13 13-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,007.69	1,054.56
33 44 13 13-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,330.57	1,106.29
33 44 13 13-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,596.84	1,153.64
33 44 13 13-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,918.81	1,205.37
33 44 13 13-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,186.09	1,252.71
33 44 13 13-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,507.98	1,304.45

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	938.54	163.04
33 44 13 13-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,115.29	926.27
33 44 13 13-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,910.02	1,042.61
33 44 13 13-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,250.05	1,097.74
33 44 13 13-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,536.61	1,148.40
33 44 13 13-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,877.58	1,203.53
33 44 13 13-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,164.14	1,254.19
33 44 13 13-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,504.16	1,309.33
33 44 13 13-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,790.72	1,360.00
33 44 13 13-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,131.75	1,415.12
33 44 13 13-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,016.45	176.92
33 44 13 13-0141 8' x 8', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	5,560.62	1,007.79
33 44 13 13-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,418.59	1,133.12
33 44 13 13-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,777.77	1,191.57
33 44 13 13-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,083.60	1,245.64
33 44 13 13-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,442.71	1,304.09
33 44 13 13-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,746.55	1,358.16
33 44 13 13-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,107.65	1,416.61
33 44 13 13-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,413.47	1,470.67
33 44 13 13-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,766.30	1,529.13
33 44 13 13-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,096.57	191.15
33 44 13 13-0152 Precast Concrete Catch Basins (33 44 13 13-0002)		
Note: Inside dimensions.		
33 44 13 13-0153 1'-6" Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins	491.28	153.49
33 44 13 13-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins	684.08	230.24
33 44 13 13-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins	867.45	299.30
33 44 13 13-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins	1,038.59	353.80
33 44 13 13-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins	1,279.59	448.96
33 44 13 13-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins	1,464.04	518.04
33 44 13 13-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	102.02	34.53
33 44 13 13-0161 2' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0162 EA 4' Deep, 2' Diameter Precast Catch Basin	559.62	170.76
33 44 13 13-0163 EA 6' Deep, 2' Diameter Precast Catch Basin	774.97	253.26
33 44 13 13-0164 EA 8' Deep, 2' Diameter Precast Catch Basin	978.84	333.85
33 44 13 13-0165 EA 10' Deep, 2' Diameter Precast Catch Basin	1,168.17	389.48
33 44 13 13-0166 EA 12' Deep, 2' Diameter Precast Catch Basin	1,448.03	498.85
33 44 13 13-0167 EA 14' Deep, 2' Diameter Precast Catch Basin	1,654.67	575.59
33 44 13 13-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	115.34	41.45
33 44 13 13-0169 3' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0170 EA 4' Deep, 3' Diameter Precast Catch Basin	737.53	201.46
33 44 13 13-0171 EA 6' Deep, 3' Diameter Precast Catch Basin	1,007.61	297.78
33 44 13 13-0172 EA 8' Deep, 3' Diameter Precast Catch Basin	1,266.74	393.32
33 44 13 13-0173 EA 10' Deep, 3' Diameter Precast Catch Basin	1,577.60	491.18
33 44 13 13-0174 EA 12' Deep, 3' Diameter Precast Catch Basin	1,863.83	585.57
33 44 13 13-0175 EA 14' Deep, 3' Diameter Precast Catch Basin	2,140.28	681.50
33 44 13 13-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	147.31	48.68
33 44 13 13-0177 4' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0178 EA 4' Deep, 4' Diameter Precast Catch Basin	891.35	224.10
33 44 13 13-0179 EA 6' Deep, 4' Diameter Precast Catch Basin	1,159.95	306.99
33 44 13 13-0180 EA 8' Deep, 4' Diameter Precast Catch Basin	1,555.43	460.48
33 44 13 13-0181 EA 10' Deep, 4' Diameter Precast Catch Basin	1,941.00	575.59
33 44 13 13-0182 EA 12' Deep, 4' Diameter Precast Catch Basin	2,294.83	690.71
33 44 13 13-0183 EA 14' Deep, 4' Diameter Precast Catch Basin	2,637.79	805.83
33 44 13 13-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	181.11	57.56
33 44 13 13-0185 5' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0186 EA 4' Deep, 5' Diameter Precast Catch Basin	1,200.20	306.99
33 44 13 13-0187 EA 6' Deep, 5' Diameter Precast Catch Basin	1,644.88	460.48
33 44 13 13-0188 EA 8' Deep, 5' Diameter Precast Catch Basin	2,091.82	613.96
33 44 13 13-0189 EA 10' Deep, 5' Diameter Precast Catch Basin	2,558.80	767.46
33 44 13 13-0190 EA 12' Deep, 5' Diameter Precast Catch Basin	3,019.13	920.95
33 44 13 13-0191 EA 14' Deep, 5' Diameter Precast Catch Basin	3,514.22	1,074.44
33 44 13 13-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	240.99	76.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0193 6' Diameter Precast Catch Basins <small>(33 44 13 13-0152)</small>		
33 44 13 13-0194 EA 4' Deep, 6' Diameter Precast Catch Basin.....	1,756.68	460.48
33 44 13 13-0195 EA 6' Deep, 6' Diameter Precast Catch Basin.....	2,384.27	690.71
33 44 13 13-0196 EA 8' Deep, 6' Diameter Precast Catch Basin.....	3,055.07	920.95
33 44 13 13-0197 EA 10' Deep, 6' Diameter Precast Catch Basin.....	3,807.66	1,151.19
33 44 13 13-0198 EA 12' Deep, 6' Diameter Precast Catch Basin.....	4,537.90	1,381.42
33 44 13 13-0199 EA 14' Deep, 6' Diameter Precast Catch Basin.....	5,251.76	1,611.66
33 44 13 13-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	359.25	115.12
33 44 13 13-0201 Precast Catch Basins Accessories <small>(33 44 13 13-0152)</small>		
33 44 13 13-0202 EA Single Or Double Wing Slab Top With Throat.....	1,069.57	498.85
33 44 13 13-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	484.08	61.39
33 44 13 13-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	273.58	65.23
33 44 13 13-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring.....	341.73	95.94
For Each Additional Inch In Height, Add	40.95	
33 44 13 13-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring.....	403.19	115.12
For Each Additional Inch In Height, Add	48.00	
33 44 13 13-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring.....	470.26	134.30
For Each Additional Inch In Height, Add	56.02	
33 44 13 13-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring.....	589.77	191.86
For Each Additional Inch In Height, Add	66.35	
33 44 13 13-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade.....	460.44	
33 44 13 13-0210 Catch Basin Risers <small>(33 44 13 13-0152)</small>		
33 44 13 13-0211 EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	281.61	
33 44 13 13-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	314.32	
33 44 13 13-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	353.21	
33 44 13 13-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	303.16	
33 44 13 13-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	338.06	
33 44 13 13-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	381.17	
33 44 13 13-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	335.33	
33 44 13 13-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	366.33	
33 44 13 13-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	409.58	
33 44 13 13-0220 Headwalls <small>(33 44 13 13-0001)</small>		
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 44 13 13-0221 Cast In Place Concrete Headwalls <small>(33 44 13 13-0220)</small>		
33 44 13 13-0222 Skewed Wingwall, Cast In Place Concrete Headwall <small>(33 44 13 13-0221)</small>		
Note: Sized by pipe diameter.		
33 44 13 13-0223 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	956.19	477.68
33 44 13 13-0224 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,208.35	509.52
33 44 13 13-0225 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,570.89	667.40
33 44 13 13-0226 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	2,425.32	955.36
33 44 13 13-0227 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	3,356.73	1,273.80
33 44 13 13-0228 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	4,228.47	1,679.01
33 44 13 13-0229 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	5,890.37	2,315.98
33 44 13 13-0230 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	6,997.11	2,729.54
33 44 13 13-0231 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	8,426.18	3,322.99
33 44 13 13-0232 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	10,134.12	4,022.52
33 44 13 13-0233 Precast Concrete Headwalls <small>(33 44 13 13-0220)</small>		
33 44 13 13-0234 EA 12" Pipe, Precast Concrete Headwall.....	482.44	129.75
33 44 13 13-0235 EA 15" Pipe, Precast Concrete Headwall.....	504.07	136.95
33 44 13 13-0236 EA 18" Pipe, Precast Concrete Headwall.....	556.88	155.69
33 44 13 13-0237 EA 24" Pipe, Precast Concrete Headwall.....	612.07	165.78
33 44 13 13-0238 EA 30" Pipe, Precast Concrete Headwall.....	791.96	194.62
33 44 13 13-0239 EA 36" Pipe, Precast Concrete Headwall.....	897.59	201.82
33 44 13 13-0240 EA 42" Pipe, Precast Concrete Headwall.....	1,145.18	231.89
33 44 13 13-0241 EA 48" Pipe, Precast Concrete Headwall.....	1,257.37	255.48
33 44 13 13-0242 EA 54" Pipe, Precast Concrete Headwall.....	1,381.86	270.51
33 44 13 13-0243 EA 60" Pipe, Precast Concrete Headwall.....	1,557.33	270.51
33 44 13 13-0244 EA 72" Pipe, Precast Concrete Headwall.....	1,848.18	338.14
33 44 13 13-0245 EA 84" Pipe, Precast Concrete Headwall.....	2,561.87	405.77
33 44 13 13-0246 Precast Concrete Wingwalls <small>(33 44 13 13-0220)</small>		
33 44 13 13-0247 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall.....	3,077.03	1,339.04
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0248 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall.....	3,302.46	1,487.81
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0249 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall.....	3,678.17	1,735.79
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0250 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall.....	4,053.88	1,983.76
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0251 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,053.88	1,983.76
33 44 13 13-0252 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,204.16	2,082.95
33 44 13 13-0253 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,353.88	2,132.54
33 44 13 13-0254 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	6,579.30	2,281.32
33 44 13 13-0255 Precast Concrete Transverse Drainage Interceptor (33 44 13 13-0220)		
33 44 13 13-0256 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	2,494.31	526.00
33 44 13 13-0257 Catch Basin Frames And Covers (33 44 13 13-0001)		
33 44 13 13-0258 Cast Iron Frames And Covers (33 44 13 13-0257)		
33 44 13 13-0259 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	393.49	76.75
33 44 13 13-0260 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	489.74	86.73
33 44 13 13-0261 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	547.61	89.79
33 44 13 13-0262 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	614.44	104.38
33 44 13 13-0263 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	711.51	118.96
33 44 13 13-0264 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,102.41	124.32
33 44 13 13-0265 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	609.86	94.40
33 44 13 13-0266 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	785.01	108.98
33 44 13 13-0267 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	881.07	113.59
33 44 13 13-0268 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	836.85	113.59
33 44 13 13-0269 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	865.58	118.19
33 44 13 13-0270 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	926.73	122.80
33 44 13 13-0271 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,103.36	132.01
33 44 13 13-0272 Curb Inlet Frames And Covers (33 44 13 13-0001)		
33 44 13 13-0273 Cast Iron Curb Inlet Frames And Covers (33 44 13 13-0272)		
33 44 13 13-0274 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover.....	750.44	89.79
33 44 13 13-0275 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover.....	803.97	104.38
33 44 13 13-0276 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover.....	832.94	104.38
33 44 13 13-0277 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover.....	912.51	122.80
33 44 13 13-0278 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover.....	899.24	126.63
33 44 13 13-0279 Area Yard Drain (33 44 13 13-0001) See CSI section 22 14 26 16-0001 for drains.		
33 44 13 13-0280 Ductile Iron Grates (33 44 13 13-0279) Note: Not for traffic loading.		
33 44 13 13-0281 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	93.31	25.86
33 44 13 13-0282 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	112.07	27.58
33 44 13 13-0283 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	243.99	34.48
33 44 13 13-0284 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	291.64	41.37
33 44 13 13-0285 CalTran Concrete Drainage Inlet Structures (33 44 13 13-0001)		
33 44 13 13-0286 Type OS Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0287 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	1,892.32	
33 44 13 13-0288 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,198.88	
33 44 13 13-0289 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,483.69	
33 44 13 13-0290 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,746.71	
33 44 13 13-0291 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,987.99	
33 44 13 13-0292 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,207.50	
33 44 13 13-0293 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	4,364.49	
33 44 13 13-0294 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,088.65	
33 44 13 13-0295 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,757.31	
33 44 13 13-0296 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,372.01	
33 44 13 13-0297 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,964.28	
33 44 13 13-0298 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,509.24	
33 44 13 13-0299 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,006.86	
33 44 13 13-0300 Type OL-7 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0301 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,576.78	
33 44 13 13-0302 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,863.45	
33 44 13 13-0303 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,128.34	
33 44 13 13-0304 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,371.49	
33 44 13 13-0305 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,592.11	
33 44 13 13-0306 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,791.72	
33 44 13 13-0307 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	4,914.34	
33 44 13 13-0308 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,621.63	
33 44 13 13-0309 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,273.42	
33 44 13 13-0310 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,870.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0311 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,448.18	
33 44 13 13-0312 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,978.56	
33 44 13 13-0313 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,461.62	
33 44 13 13-0314 Type OL-10 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0315 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,207.55	
33 44 13 13-0316 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,476.05	
33 44 13 13-0317 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,722.02	
33 44 13 13-0318 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,947.00	
33 44 13 13-0319 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,149.44	
33 44 13 13-0320 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,330.12	
33 44 13 13-0321 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,464.19	
33 44 13 13-0322 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,153.85	
33 44 13 13-0323 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,789.54	
33 44 13 13-0324 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,369.71	
33 44 13 13-0325 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,932.07	
33 44 13 13-0326 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,447.88	
33 44 13 13-0327 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,915.61	
33 44 13 13-0328 Type OL-14 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0329 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,106.74	
33 44 13 13-0330 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,348.43	
33 44 13 13-0331 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,568.38	
33 44 13 13-0332 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,766.55	
33 44 13 13-0333 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,942.98	
33 44 13 13-0334 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,097.63	
33 44 13 13-0335 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,243.16	
33 44 13 13-0336 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,908.85	
33 44 13 13-0337 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,519.80	
33 44 13 13-0338 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,076.01	
33 44 13 13-0339 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,618.44	
33 44 13 13-0340 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,112.77	
33 44 13 13-0341 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,559.77	
33 44 13 13-0342 Type OL-21 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0343 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,931.96	
33 44 13 13-0344 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,120.36	
33 44 13 13-0345 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,286.99	
33 44 13 13-0346 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,431.86	
33 44 13 13-0347 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,554.20	
33 44 13 13-0348 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,655.55	
33 44 13 13-0349 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,766.72	
33 44 13 13-0350 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,385.19	
33 44 13 13-0351 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,948.93	
33 44 13 13-0352 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,457.93	
33 44 13 13-0353 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,959.50	
33 44 13 13-0354 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,413.00	
33 44 13 13-0355 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,819.17	
33 44 13 13-0356 Type GOL-7 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0357 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,127.03	
33 44 13 13-0358 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,443.48	
33 44 13 13-0359 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,734.97	
33 44 13 13-0360 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,001.46	
33 44 13 13-0361 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,243.77	
33 44 13 13-0362 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,461.85	
33 44 13 13-0363 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,681.85	
33 44 13 13-0364 EA 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,469.62	
33 44 13 13-0365 EA 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,195.84	
33 44 13 13-0366 EA 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,859.74	
33 44 13 13-0367 EA 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,503.28	
33 44 13 13-0368 EA 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,093.60	
33 44 13 13-0369 EA 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,629.91	
33 44 13 13-0370 Type GOL-10 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0371 EA 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,811.48	
33 44 13 13-0372 EA 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,107.28	
33 44 13 13-0373 EA 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,378.87	
33 44 13 13-0374 EA 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,626.24	
33 44 13 13-0375 EA 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,848.65	
33 44 13 13-0376 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,046.07	
33 44 13 13-0377 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,266.07	
33 44 13 13-0378 EA 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,035.48	
33 44 13 13-0379 EA 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,743.35	
33 44 13 13-0380 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,389.66	

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0381 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,017.29	
33 44 13 13-0382 EA 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,591.67	
33 44 13 13-0383 EA 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,112.85	
33 44 13 13-0384 Type G-1 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0385 EA 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,274.97	
33 44 13 13-0386 EA 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,524.54	
33 44 13 13-0387 EA 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,755.90	
33 44 13 13-0388 EA 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,970.57	
33 44 13 13-0389 EA 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,168.57	
33 44 13 13-0390 EA 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,348.35	
33 44 13 13-0391 Type G-2 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0392 EA 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,758.11	
33 44 13 13-0393 EA 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,038.67	
33 44 13 13-0394 EA 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,299.33	
33 44 13 13-0395 EA 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,540.11	
33 44 13 13-0396 EA 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,760.99	
33 44 13 13-0397 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,961.20	
33 44 13 13-0398 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,009.37	
33 44 13 13-0399 EA 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,677.51	
33 44 13 13-0400 EA 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,295.32	
33 44 13 13-0401 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,862.80	
33 44 13 13-0402 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,409.64	
33 44 13 13-0403 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,912.98	
33 44 13 13-0404 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,372.09	
33 44 13 13-0405 Type G-3 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0406 EA 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,382.33	
33 44 13 13-0407 EA 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,628.46	
33 44 13 13-0408 EA 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,857.14	
33 44 13 13-0409 EA 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,069.12	
33 44 13 13-0410 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,262.89	
33 44 13 13-0411 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,439.98	
33 44 13 13-0412 Type G-4_24 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0413 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,704.44	
33 44 13 13-0414 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,986.72	
33 44 13 13-0415 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,249.11	
33 44 13 13-0416 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,490.83	
33 44 13 13-0417 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,713.44	
33 44 13 13-0418 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,915.38	
33 44 13 13-0419 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,986.45	
33 44 13 13-0420 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,655.84	
33 44 13 13-0421 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,274.14	
33 44 13 13-0422 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,842.09	
33 44 13 13-0423 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,389.31	
33 44 13 13-0424 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,893.05	
33 44 13 13-0425 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,353.29	
33 44 13 13-0426 Type G-4_18 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0427 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,758.11	
33 44 13 13-0428 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,038.67	
33 44 13 13-0429 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,299.33	
33 44 13 13-0430 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,540.11	
33 44 13 13-0431 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,760.99	
33 44 13 13-0432 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,961.20	
33 44 13 13-0433 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,009.37	
33 44 13 13-0434 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,677.51	
33 44 13 13-0435 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,295.32	
33 44 13 13-0436 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,862.80	
33 44 13 13-0437 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,409.64	
33 44 13 13-0438 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,912.98	
33 44 13 13-0439 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,372.09	
33 44 13 13-0440 Type G-5 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0441 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,368.91	
33 44 13 13-0442 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,615.27	
33 44 13 13-0443 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,844.95	
33 44 13 13-0444 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,056.41	
33 44 13 13-0445 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,251.20	
33 44 13 13-0446 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,428.53	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0447 Type G-6 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0448 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,395.76	
33 44 13 13-0449 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,641.64	
33 44 13 13-0450 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,870.07	
33 44 13 13-0451 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,081.05	
33 44 13 13-0452 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,274.59	
33 44 13 13-0453 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,451.45	
33 44 13 13-0454 Type GT1 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0455 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,335.20	
33 44 13 13-0456 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,719.98	
33 44 13 13-0457 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,103.99	
33 44 13 13-0458 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,408.06	
33 44 13 13-0459 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,710.58	
33 44 13 13-0460 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,986.45	
33 44 13 13-0461 Type GT2 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0462 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,831.77	
33 44 13 13-0463 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,250.70	
33 44 13 13-0464 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,638.92	
33 44 13 13-0465 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,997.16	
33 44 13 13-0466 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,324.67	
33 44 13 13-0467 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,622.22	
33 44 13 13-0468 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,185.88	
33 44 13 13-0469 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,170.93	
33 44 13 13-0470 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,080.63	
33 44 13 13-0471 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,915.75	
33 44 13 13-0472 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,721.70	
33 44 13 13-0473 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,462.46	
33 44 13 13-0474 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,138.03	
33 44 13 13-0475 Type GT3 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0476 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,321.78	
33 44 13 13-0477 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,706.81	
33 44 13 13-0478 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,065.17	
33 44 13 13-0479 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,396.12	
33 44 13 13-0480 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,698.89	
33 44 13 13-0481 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,975.00	
33 44 13 13-0482 Type GT4 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0483 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,925.72	
33 44 13 13-0484 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,341.44	
33 44 13 13-0485 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,727.20	
33 44 13 13-0486 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,082.23	
33 44 13 13-0487 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,407.30	
33 44 13 13-0488 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,702.42	
33 44 13 13-0489 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,197.34	
33 44 13 13-0490 EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,182.14	
33 44 13 13-0491 EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,091.61	
33 44 13 13-0492 EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,925.71	
33 44 13 13-0493 EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,731.49	
33 44 13 13-0494 EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,472.05	
33 44 13 13-0495 EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,147.44	
33 44 13 13-0496 Type GO Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0497 EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,664.17	
33 44 13 13-0498 EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,934.76	
33 44 13 13-0499 EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,185.94	
33 44 13 13-0500 EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,417.70	
33 44 13 13-0501 EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,630.04	
33 44 13 13-0502 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,823.75	
33 44 13 13-0503 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,883.35	
33 44 13 13-0504 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,531.60	
33 44 13 13-0505 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,129.81	
33 44 13 13-0506 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,679.51	
33 44 13 13-0507 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,210.20	
33 44 13 13-0508 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,697.49	
33 44 13 13-0509 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,142.91	
33 44 13 13-0510 Type GDO Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0511 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,174.16	
33 44 13 13-0512 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,529.84	
33 44 13 13-0513 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,860.12	

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0514 EA 6" Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,165.77	
33 44 13 13-0515 EA 7" Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,445.24	
33 44 13 13-0516 EA 8" Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,700.07	
33 44 13 13-0517 EA 8" Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,994.53	
33 44 13 13-0518 EA 10" Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,830.03	
33 44 13 13-0519 EA 12" Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,602.09	
33 44 13 13-0520 EA 14" Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,311.43	
33 44 13 13-0521 EA 16" Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,995.30	
33 44 13 13-0522 EA 18" Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,624.26	
33 44 13 13-0523 EA 20" Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,198.32	
33 44 16 Utility Trench Drains (33 44)		
33 44 16 00-0001 Modular Trench Drains (33 44 16) See CSI section 03 31 13 00-0011 for concrete.		
33 44 16 00-0002 Modular Trench Drains (33 44 16 00-0001) Note: Excludes grates. See CSI section 33 44 16 00-0096 for grates.		
33 44 16 00-0003 6" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0006 LF 6" Wide, High Density Polyethylene, Modular Trench Drain	75.72	12.28
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
33 44 16 00-0007 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0008 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	36.69	
33 44 16 00-0009 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	44.37	
33 44 16 00-0010 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	44.37	
33 44 16 00-0011 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0012 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.13	
33 44 16 00-0013 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.13	
33 44 16 00-0014 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	275.53	
33 44 16 00-0015 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	512.69	
33 44 16 00-0016 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
33 44 16 00-0017 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0018 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0019 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	103.58	12.28
For Black Acid Resistant Coated Frame, Add	22.53	
For Galvanized Top Frame Assembly, Add	22.53	
For Type 304 Stainless Steel Top Frame Assembly, Add	83.01	
33 44 16 00-0020 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0021 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	39.07	
33 44 16 00-0022 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	46.75	
33 44 16 00-0023 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	46.75	
33 44 16 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0025 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.13	
33 44 16 00-0026 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.13	
33 44 16 00-0027 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	275.53	
33 44 16 00-0028 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	512.69	
33 44 16 00-0029 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 44 16 00-0030 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0031 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0032 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain	129.67	12.28
For Black Acid Resistant Coated Frame, Add	22.53	
For Galvanized Top Frame Assembly, Add	22.53	
For Type 304 Stainless Steel Top Frame Assembly, Add	83.01	



Utilities	33	33
Storm Drainage Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0033 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0030)</small>		
33 44 16 00-0034 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	58.04	
33 44 16 00-0035 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	65.72	
33 44 16 00-0036 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	65.72	
33 44 16 00-0037 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0030)</small>		
33 44 16 00-0038 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.13	
33 44 16 00-0039 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.13	
33 44 16 00-0040 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	275.53	
33 44 16 00-0041 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	512.69	
33 44 16 00-0042 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
33 44 16 00-0043 12" Wide, Modular Trench Drains <small>(33 44 16 00-0002)</small>		
33 44 16 00-0044 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0045 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>		
33 44 16 00-0046 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	134.55	16.88
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 44 16 00-0047 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>		
33 44 16 00-0048 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	69.09	
33 44 16 00-0049 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	79.32	
33 44 16 00-0050 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	79.32	
33 44 16 00-0051 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>		
33 44 16 00-0052 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	104.69	
33 44 16 00-0053 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	134.33	
33 44 16 00-0054 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	533.35	
33 44 16 00-0055 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,007.67	
33 44 16 00-0056 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 44 16 00-0057 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0058 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0059 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	164.20	16.88
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 44 16 00-0060 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0061 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	71.46	
33 44 16 00-0062 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	81.69	
33 44 16 00-0063 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	81.69	
33 44 16 00-0064 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0065 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	104.69	
33 44 16 00-0066 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	134.33	
33 44 16 00-0067 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	533.35	
33 44 16 00-0068 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,007.67	
33 44 16 00-0069 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	118.58	
33 44 16 00-0070 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0071 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0072 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain	223.49	16.88
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 44 16 00-0073 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0074 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	160.39	
33 44 16 00-0075 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	170.62	
33 44 16 00-0076 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	170.62	
33 44 16 00-0077 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33		
<i>44 16 00-0070)</i>		
33 44 16 00-0078 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	104.69	
33 44 16 00-0079 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	134.33	
33 44 16 00-0080 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	533.35	
33 44 16 00-0081 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,007.67	
33 44 16 00-0082 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 44 16 00-0083 23" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0084 23" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0083)		
33 44 16 00-0085 23" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0084)		
33 44 16 00-0086 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	187.32	23.03
<i>For Acid Resistant Coated Frame, Add</i>	46.25	
<i>For Galvanized Frame Assembly, Add</i>	46.25	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	284.59	
33 44 16 00-0087 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench		
Drains (33 44 16 00-0084)		
33 44 16 00-0088 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	198.04	
33 44 16 00-0089 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	305.38	
33 44 16 00-0090 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	305.38	
33 44 16 00-0091 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench		
Drains (33 44 16 00-0084)		
33 44 16 00-0092 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	230.54	
33 44 16 00-0093 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,044.57	
33 44 16 00-0094 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,993.21	
33 44 16 00-0095 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 44 16 00-0096 Modular Trench Drain Grates (33 44 16 00-0001)		
33 44 16 00-0097 6" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0098 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	60.76	2.30
33 44 16 00-0099 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	51.81	2.30
33 44 16 00-0100 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	54.30	2.30
33 44 16 00-0101 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	47.71	2.30
33 44 16 00-0102 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	51.27	2.30
33 44 16 00-0103 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	51.86	2.30
33 44 16 00-0104 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	51.86	2.30
33 44 16 00-0105 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	51.27	2.30
33 44 16 00-0106 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	45.34	2.30
33 44 16 00-0107 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.34	2.30
33 44 16 00-0108 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	48.07	2.30
33 44 16 00-0109 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	48.07	2.30
33 44 16 00-0110 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	61.94	2.30
33 44 16 00-0111 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	61.94	2.30
33 44 16 00-0112 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	111.75	2.30
33 44 16 00-0113 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	111.75	2.30
33 44 16 00-0114 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	307.40	2.30
33 44 16 00-0115 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	42.97	2.30
33 44 16 00-0116 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	90.40	2.30
33 44 16 00-0117 12" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0118 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	164.30	2.49
33 44 16 00-0119 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	157.19	2.49
33 44 16 00-0120 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	137.03	2.49
33 44 16 00-0121 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	143.85	2.49
33 44 16 00-0122 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.58	2.49
33 44 16 00-0123 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	241.68	2.49
33 44 16 00-0124 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	241.68	2.49
33 44 16 00-0125 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	307.78	2.49
33 44 16 00-0126 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	307.78	2.49
33 44 16 00-0127 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	392.27	2.49
33 44 16 00-0128 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.27	2.49
33 44 16 00-0129 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	372.41	2.49
33 44 16 00-0130 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	177.05	2.49
33 44 16 00-0131 23" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0132	LF		23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	258.37	2.68
33 44 16 00-0133	LF		23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	218.05	2.68
33 44 16 00-0134	LF		23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	336.63	2.68
33 44 16 00-0135	LF		23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	250.07	2.68
33 44 19 Utility Oil and Gas Separators (33 44)					
33 44 19 19 Utility Oil and Gas Separators (33 44 19)					
33 44 19 19-0001			Oil/Water Separator (33 44 19 19) Note: Complete with internal sensors and detectors.		
33 44 19 19-0002			Coalescing Oil Water Separator (33 44 19 19-0001) Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 19 19-0003			Single Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0004	EA		550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	10,905.32	
			Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 19 19-0005	EA		1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	12,914.27	
			Note: HTC-G 1000. 4' diameter x 14' long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 19 19-0006	EA		2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	15,077.04	
			Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 19 19-0007			Double Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0008	EA		550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	15,876.54	
			Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 19 19-0009	EA		1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	17,968.09	
			Note: HTC-G 1000. 4' diameter x 14' long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 19 19-0010	EA		2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	21,529.24	
			Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 19 19-0011	EA		3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	24,753.33	
			Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	1,550.70	
33 44 19 19-0012	EA		5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	32,086.28	
			Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
			<i>For Interior Polyurethane Coating, Add</i>	2,057.80	
33 44 19 19-0013			Accessories For Coalescing Oil Water Separators (33 44 19 19-0002)		
33 44 19 19-0014	EA		Single Channel Alarm Panel For Coalescing Oil Water Separator	615.86	
			Note: HTAP1.		
33 44 19 19-0015	EA		Two Channel Alarm Panel For Coalescing Oil Water Separator.....	832.52	
			Note: HTAP2.		
33 44 19 19-0016	EA		Float Interface Sensor For Coalescing Oil Water Separator	483.49	
			Note: Required for UL 2215 label.		
33 44 19 19-0017	EA		1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator	363.11	
			Note: Required for UL 2215 label.		
33 44 19 19-0018	EA		Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	137.40	
			Note: Required for UL 2215 label.		
33 44 19 19-0019	EA		550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,037.97	
33 44 19 19-0020	EA		3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,075.96	
33 44 19 19-0021	EA		5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,113.98	
33 44 19 19-0022	EA		550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	392.60	
33 44 19 19-0023	EA		2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	456.80	
33 44 19 19-0024	EA		3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	913.59	
33 44 19 19-0025	EA		5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,972.29	
33 44 19 19-0026	EA		30" Diameter Grade Level Manway For Coalescing Oil Water Separator	543.07	
			Note: Required when installed in paved areas.		
33 44 19 19-0027	EA		36" Diameter Grade Level Manway For Coalescing Oil Water Separator	700.98	
			Note: Required when installed in paved areas.		
33 44 19 19-0028	EA		48" Diameter Grade Level Manway For Coalescing Oil Water Separator	959.22	
			Note: Required when installed in paved areas.		
33 44 19 19-0029	EA		54" x 54" Grade Level Manway For Coalescing Oil Water Separator	1,709.56	
			Note: Required when installed in paved areas.		
33 44 19 19-0030	EA		66" x 54" Grade Level Manway For Coalescing Oil Water Separator	2,185.05	
			Note: Required when installed in paved areas.		
33 44 19 19-0031	EA		66" x 66" Grade Level Manway For Coalescing Oil Water Separator	2,730.76	
			Note: Required when installed in paved areas.		
33 44 19 19-0032	EA		78" x 66" Grade Level Manway For Coalescing Oil Water Separator	3,430.95	
			Note: Required when installed in paved areas.		
33 44 19 19-0033	EA		550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	669.09	

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 19 19-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	815.55	
33 44 19 19-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,281.01	
33 44 19 19-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	638.00	
33 44 19 19-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	774.42	
33 44 19 19-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	918.88	
33 44 19 19-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	54.17	
33 44 19 19-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	61.19	

33 44 19 19-0041 Oil Skimmers (33 44 19 19)**33 44 19 19-0042 Oil Skimmers, 12" And 24" Models** (33 44 19 19-0041)

33 44 19 19-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,572.42	449.09
33 44 19 19-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,797.50	449.09
33 44 19 19-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,593.26	449.09
33 44 19 19-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,881.90	449.09
33 44 19 19-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,829.80	449.09
33 44 19 19-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,020.49	449.09
33 44 19 19-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	4,878.78	449.09
33 44 19 19-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,166.38	449.09
33 44 19 19-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,113.75	598.91
33 44 19 19-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,354.46	598.91
33 44 19 19-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,177.31	598.91
33 44 19 19-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,523.27	598.91
33 44 19 19-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,722.30	598.91
33 44 19 19-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,963.01	598.91
33 44 19 19-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,773.36	598.91
33 44 19 19-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,120.36	598.91

33 44 19 19-0059 Oil Skimmers, Add-Ons (33 44 19 19-0041)

33 44 19 19-0060	LF	Add For Belt Projection, 12" Width	15.63	
33 44 19 19-0061	LF	Add For Belt Projection, 24" Width	29.18	
33 44 19 19-0062	LF	Add For Spacer Stands, 12" Models	229.06	
33 44 19 19-0063	LF	Add For Spacer Stands, 24" Models	274.91	

33 46 Subdrainage (33 40)**33 46 16 Subdrainage Piping** (33 46)

See CSI section 33 41 13 00-0242 for polyethylene drain pipe.

33 46 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 46 16)

Note: Includes fittings, couplings, elbows, etc.

33 46 16 00-0002	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.71	3.44
33 46 16 00-0003	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.31	4.13
33 46 16 00-0004	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.24	5.16
33 46 16 00-0005	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	14.05	5.90
33 46 16 00-0006	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	17.81	6.89
33 46 16 00-0007	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	29.57	8.26

33 46 16 00-0008 Perforated Non Reinforced Concrete Drainage Piping, C444 (33 46 16)

33 46 16 00-0009	LF	6" Perforated Non Reinforced Concrete Drainage Pipe	17.86	4.32
		For Extra Strength, Add	1.03	
		For >1,000, Deduct	-0.89	
33 46 16 00-0010	LF	8" Perforated Non Reinforced Concrete Drainage Pipe	20.74	5.05
		For Extra Strength, Add	1.27	
		For >1,000, Deduct	-1.04	
33 46 16 00-0011	LF	10" Perforated Non Reinforced Concrete Drainage Pipe	23.49	5.77
		For Extra Strength, Add	1.48	
		For >1,000, Deduct	-1.17	
33 46 16 00-0012	LF	12" Perforated Non Reinforced Concrete Drainage Pipe	27.89	7.21
		For Extra Strength, Add	1.85	
		For >1,000, Deduct	-1.39	

33 46 16 00-0013 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 (33 46 16)

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 46 16 00-0014	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	18.54	9.08
		For >1,000, Deduct	-0.93	
33 46 16 00-0015	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	20.53	10.09
		For >1,000, Deduct	-1.03	
33 46 16 00-0016	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	22.65	11.10
		For >1,000, Deduct	-1.13	
33 46 16 00-0017	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	25.66	11.54
		For >1,000, Deduct	-1.28	
33 46 16 00-0018	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	29.60	12.97
		For >1,000, Deduct	-1.48	
33 46 16 00-0019	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	36.68	16.58
		For >1,000, Deduct	-1.83	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Subdrainage	33 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 16 00-0020 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	45.88 -2.29	21.27
33 46 16 00-0021 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	55.91 -2.80	25.95
33 46 16 00-0022 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 46 16)</small>		
33 46 16 00-0023 LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	13.62 -0.68	4.32
33 46 16 00-0024 LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	17.23 -0.86	5.05
33 46 16 00-0025 LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	21.93 -1.10	5.77
33 46 16 00-0026 LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	32.12 -1.61	11.54
33 46 16 00-0027 LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	36.64 -1.83	12.97
33 46 16 00-0028 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	47.25 -2.36	16.58
33 46 16 00-0029 Aluminum, Perforated Corrugated Metal Drainage Piping <small>(33 46 16)</small>		
33 46 16 00-0030 LF 6" 18 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe <i>For Galvanized, Add</i> <i>For Steel, Add</i>	14.35 1.43 0.43	4.32
33 46 16 00-0031 LF 8" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe <i>For Galvanized, Add</i> <i>For Steel, Add</i>	17.05 1.64 0.49	5.41
33 46 16 00-0032 LF 10" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe <i>For Galvanized, Add</i> <i>For Steel, Add</i>	20.31 1.75 0.53	6.48
33 46 16 00-0033 LF 12" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe <i>For Galvanized, Add</i> <i>For Steel, Add</i>	24.49 2.19 0.66	7.57
33 46 16 00-0034 LF 15" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe <i>For Galvanized, Add</i> <i>For Steel, Add</i>	23.08 1.70 0.51	7.93
33 46 16 00-0035 LF 18" 16 Gauge, Aluminum, Perforated Corrugated Metal Drainage Pipe <i>For Galvanized, Add</i> <i>For Steel, Add</i>	30.90 3.51 1.05	8.65
33 46 16 00-0036 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 46 16)</small>		
33 46 16 00-0037 LF 4" Perforated Vitrified Clay Drainage Pipe	11.52	5.77
33 46 16 00-0038 LF 6" Perforated Vitrified Clay Drainage Pipe	15.05	5.77
33 46 16 00-0039 LF 8" Perforated Vitrified Clay Drainage Pipe	17.26	5.77
33 46 16 00-0040 LF 10" Perforated Vitrified Clay Drainage Pipe	20.94	5.77
33 46 16 00-0041 LF 12" Perforated Vitrified Clay Drainage Pipe	24.99	5.77
33 46 16 00-0042 Geotextile Filter Fabric Sock <small>(33 46 16)</small>		
33 46 16 00-0043 LF 3" Geotextile Filter Fabric Sock	0.52	
33 46 16 00-0044 LF 4" Geotextile Filter Fabric Sock	0.68	
33 46 16 00-0045 LF 6" Geotextile Filter Fabric Sock	1.04	
33 46 16 00-0046 LF 8" Geotextile Filter Fabric Sock	1.39	
33 46 16 00-0047 LF 10" Geotextile Filter Fabric Sock	2.02	
33 46 16 00-0048 LF 12" Geotextile Filter Fabric Sock	2.71	
33 46 16 00-0049 LF 15" Geotextile Filter Fabric Sock	3.17	
33 46 23 Underslab Drainage <small>(33 46)</small>		
33 46 23 00-0001 Capillary Water Barrier Underslab Drainage <small>(33 46 23)</small>		
<i>Note: Consists of a layer of fine granular material overlying a coarse layer.</i>		
33 46 23 00-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	25.30	
33 46 23 00-0003 CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	23.37	
33 46 23 00-0004 CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	22.61	
33 46 23 00-0005 CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	21.46	
33 50 Fuel Distribution Utilities <small>(33)</small>		
33 51 Natural-Gas Distribution <small>(33 50)</small>		
33 51 13 Natural-Gas Piping <small>(33 51)</small>		
<i>Note: See CSI section 23 05 23 00-0000 for gas valves.</i>		
33 51 13 13 Gas Distribution Lines <small>(33 51 13)</small>		
<i>Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.</i>		
33 51 13 13-0001 High Density Polyethylene (HDPE) Pressure Piping <small>(33 51 13 13)</small>		
<i>Note: ASTM D3350 pipe, ASTM D2657 heat fusion.</i>		

33 Utilities**33 50 Fuel Distribution Utilities****33 51 Natural-Gas Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0002			High Density Polyethylene (HDPE) Pressure Pipe <small>(33 51 13 13-0001)</small>		
	33 51 13 13-0003	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.32	3.86
			<i>For DR 17 (100 PSI), Add</i>	0.17	
			<i>For DR 15.5 (110 PSI), Add</i>	0.25	
			<i>For DR 13.5 (128 PSI), Add</i>	0.39	
			<i>For DR 11 (160 PSI), Add</i>	0.62	
	33 51 13 13-0004	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	14.67	4.20
			<i>For DR 26 (65 PSI), Deduct</i>	-0.38	
			<i>For DR 17 (100 PSI), Add</i>	0.46	
			<i>For DR 15.5 (110 PSI), Add</i>	0.67	
			<i>For DR 13.5 (128 PSI), Add</i>	1.05	
			<i>For DR 11 (160 PSI), Add</i>	1.69	
	33 51 13 13-0005	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	17.99	4.51
			<i>For DR 26 (65 PSI), Deduct</i>	-0.82	
			<i>For DR 17 (100 PSI), Add</i>	1.00	
			<i>For DR 15.5 (110 PSI), Add</i>	1.46	
			<i>For DR 13.5 (128 PSI), Add</i>	2.28	
			<i>For DR 11 (160 PSI), Add</i>	3.66	
	33 51 13 13-0006	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	21.70	4.70
			<i>For DR 26 (65 PSI), Deduct</i>	-1.39	
			<i>For DR 17 (100 PSI), Add</i>	1.69	
			<i>For DR 15.5 (110 PSI), Add</i>	2.47	
			<i>For DR 13.5 (128 PSI), Add</i>	3.86	
			<i>For DR 11 (160 PSI), Add</i>	6.21	
	33 51 13 13-0007	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.13	4.77
			<i>For DR 26 (65 PSI), Deduct</i>	-2.17	
			<i>For DR 17 (100 PSI), Add</i>	2.63	
			<i>For DR 15.5 (110 PSI), Add</i>	3.85	
			<i>For DR 13.5 (128 PSI), Add</i>	6.00	
			<i>For DR 11 (160 PSI), Add</i>	9.66	
	33 51 13 13-0008	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	31.80	5.00
			<i>For DR 26 (65 PSI), Deduct</i>	-3.12	
			<i>For DR 17 (100 PSI), Add</i>	3.79	
			<i>For DR 15.5 (110 PSI), Add</i>	5.54	
			<i>For DR 13.5 (128 PSI), Add</i>	8.65	
			<i>For DR 11 (160 PSI), Add</i>	13.93	
	33 51 13 13-0009	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	36.55	5.51
			<i>For DR 26 (65 PSI), Deduct</i>	-3.67	
			<i>For DR 17 (100 PSI), Add</i>	4.45	
			<i>For DR 15.5 (110 PSI), Add</i>	6.52	
			<i>For DR 13.5 (128 PSI), Add</i>	10.17	
			<i>For DR 11 (160 PSI), Add</i>	16.37	
	33 51 13 13-0010	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.35	6.06
			<i>For DR 26 (65 PSI), Deduct</i>	-4.80	
			<i>For DR 17 (100 PSI), Add</i>	5.81	
			<i>For DR 15.5 (110 PSI), Add</i>	8.52	
			<i>For DR 13.5 (128 PSI), Add</i>	13.29	
			<i>For DR 11 (160 PSI), Add</i>	21.39	
	33 51 13 13-0011	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	52.75	6.56
			<i>For DR 26 (65 PSI), Deduct</i>	-6.06	
			<i>For DR 17 (100 PSI), Add</i>	7.35	
			<i>For DR 15.5 (110 PSI), Add</i>	10.76	
			<i>For DR 13.5 (128 PSI), Add</i>	16.80	
			<i>For DR 11 (160 PSI), Add</i>	27.03	
	33 51 13 13-0012	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	46.21	7.19
			<i>For DR 26 (65 PSI), Deduct</i>	-4.50	
			<i>For DR 17 (100 PSI), Add</i>	5.46	
			<i>For DR 15.5 (110 PSI), Add</i>	8.00	
			<i>For DR 13.5 (128 PSI), Add</i>	12.48	
			<i>For DR 11 (160 PSI), Add</i>	20.09	
	33 51 13 13-0013	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	82.45	7.87
			<i>For DR 26 (65 PSI), Deduct</i>	-10.79	
			<i>For DR 17 (100 PSI), Add</i>	13.07	
			<i>For DR 15.5 (110 PSI), Add</i>	19.15	
			<i>For DR 13.5 (128 PSI), Add</i>	29.88	
			<i>For DR 11 (160 PSI), Add</i>	48.10	
33 51 13 13-0014			90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <small>(33 51 13 13-0001)</small>		
	33 51 13 13-0015	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	49.98	10.89
			<i>For DR 26 (65 PSI), Deduct</i>	-3.17	
			<i>For DR 17 (100 PSI), Add</i>	3.85	
			<i>For DR 15.5 (110 PSI), Add</i>	5.63	
			<i>For DR 13.5 (128 PSI), Add</i>	8.79	
			<i>For DR 11 (160 PSI), Add</i>	14.15	
	33 51 13 13-0016	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.91	12.11
			<i>For DR 26 (65 PSI), Deduct</i>	-3.78	
			<i>For DR 17 (100 PSI), Add</i>	4.58	
			<i>For DR 15.5 (110 PSI), Add</i>	6.71	
			<i>For DR 13.5 (128 PSI), Add</i>	10.47	
			<i>For DR 11 (160 PSI), Add</i>	16.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0017	EA			6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	96.31	13.83
				<i>For DR 26 (65 PSI), Deduct</i>	-10.06	
				<i>For DR 17 (100 PSI), Add</i>	12.19	
				<i>For DR 15.5 (110 PSI), Add</i>	17.85	
				<i>For DR 13.5 (128 PSI), Add</i>	27.86	
				<i>For DR 11 (160 PSI), Add</i>	44.85	
33 51 13 13-0018	EA			8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	163.09	16.15
				<i>For DR 26 (65 PSI), Deduct</i>	-21.02	
				<i>For DR 17 (100 PSI), Add</i>	25.48	
				<i>For DR 15.5 (110 PSI), Add</i>	37.32	
				<i>For DR 13.5 (128 PSI), Add</i>	58.25	
				<i>For DR 11 (160 PSI), Add</i>	93.75	
33 51 13 13-0019	EA			10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	255.94	21.56
				<i>For DR 26 (65 PSI), Deduct</i>	-35.08	
				<i>For DR 17 (100 PSI), Add</i>	42.53	
				<i>For DR 15.5 (110 PSI), Add</i>	62.28	
				<i>For DR 13.5 (128 PSI), Add</i>	97.21	
				<i>For DR 11 (160 PSI), Add</i>	156.47	
33 51 13 13-0020	EA			12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	377.04	32.26
				<i>For DR 26 (65 PSI), Deduct</i>	-51.38	
				<i>For DR 17 (100 PSI), Add</i>	62.28	
				<i>For DR 15.5 (110 PSI), Add</i>	91.20	
				<i>For DR 13.5 (128 PSI), Add</i>	142.35	
				<i>For DR 11 (160 PSI), Add</i>	229.13	
33 51 13 13-0021	EA			14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	463.24	43.06
				<i>For DR 26 (65 PSI), Deduct</i>	-61.24	
				<i>For DR 17 (100 PSI), Add</i>	74.24	
				<i>For DR 15.5 (110 PSI), Add</i>	108.72	
				<i>For DR 13.5 (128 PSI), Add</i>	169.70	
				<i>For DR 11 (160 PSI), Add</i>	273.14	
33 51 13 13-0022	EA			16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	593.65	64.54
				<i>For DR 26 (65 PSI), Deduct</i>	-73.34	
				<i>For DR 17 (100 PSI), Add</i>	88.91	
				<i>For DR 15.5 (110 PSI), Add</i>	130.20	
				<i>For DR 13.5 (128 PSI), Add</i>	203.22	
				<i>For DR 11 (160 PSI), Add</i>	327.10	
33 51 13 13-0023	EA			18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	762.29	72.59
				<i>For DR 26 (65 PSI), Deduct</i>	-99.81	
				<i>For DR 17 (100 PSI), Add</i>	120.99	
				<i>For DR 15.5 (110 PSI), Add</i>	177.18	
				<i>For DR 13.5 (128 PSI), Add</i>	276.55	
				<i>For DR 11 (160 PSI), Add</i>	445.13	
33 51 13 13-0024	EA			20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,068.52	82.39
				<i>For DR 26 (65 PSI), Deduct</i>	-150.09	
				<i>For DR 17 (100 PSI), Add</i>	181.94	
				<i>For DR 15.5 (110 PSI), Add</i>	266.44	
				<i>For DR 13.5 (128 PSI), Add</i>	415.87	
				<i>For DR 11 (160 PSI), Add</i>	669.38	
33 51 13 13-0025	EA			24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,383.50	96.84
				<i>For DR 26 (65 PSI), Deduct</i>	-200.37	
				<i>For DR 17 (100 PSI), Add</i>	242.89	
				<i>For DR 15.5 (110 PSI), Add</i>	355.70	
				<i>For DR 13.5 (128 PSI), Add</i>	555.20	
				<i>For DR 11 (160 PSI), Add</i>	893.63	
33 51 13 13-0026				Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 51 13 13-0001)</small>		
33 51 13 13-0027	EA			3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.76	11.40
				<i>For DR 26 (65 PSI), Deduct</i>	-4.15	
				<i>For DR 17 (100 PSI), Add</i>	5.03	
				<i>For DR 15.5 (110 PSI), Add</i>	7.37	
				<i>For DR 13.5 (128 PSI), Add</i>	11.50	
				<i>For DR 11 (160 PSI), Add</i>	18.51	
33 51 13 13-0028	EA			4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	65.35	12.91
				<i>For DR 26 (65 PSI), Deduct</i>	-4.88	
				<i>For DR 17 (100 PSI), Add</i>	5.92	
				<i>For DR 15.5 (110 PSI), Add</i>	8.67	
				<i>For DR 13.5 (128 PSI), Add</i>	13.54	
				<i>For DR 11 (160 PSI), Add</i>	21.79	
33 51 13 13-0029	EA			6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	114.31	14.90
				<i>For DR 26 (65 PSI), Deduct</i>	-12.77	
				<i>For DR 17 (100 PSI), Add</i>	15.48	
				<i>For DR 15.5 (110 PSI), Add</i>	22.67	
				<i>For DR 13.5 (128 PSI), Add</i>	35.38	
				<i>For DR 11 (160 PSI), Add</i>	56.95	
33 51 13 13-0030	EA			8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	229.50	17.61
				<i>For DR 26 (65 PSI), Deduct</i>	-32.39	
				<i>For DR 17 (100 PSI), Add</i>	39.27	
				<i>For DR 15.5 (110 PSI), Add</i>	57.50	
				<i>For DR 13.5 (128 PSI), Add</i>	89.76	
				<i>For DR 11 (160 PSI), Add</i>	144.47	

33 Utilities**33 50 Fuel Distribution Utilities****33 51 Natural-Gas Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0031 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	310.27	25.84
For DR 26 (65 PSI), Deduct	-42.68	
For DR 17 (100 PSI), Add	51.73	
For DR 15.5 (110 PSI), Add	75.76	
For DR 13.5 (128 PSI), Add	118.25	
For DR 11 (160 PSI), Add	190.33	
33 51 13 13-0032 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	434.07	38.77
For DR 26 (65 PSI), Deduct	-58.27	
For DR 17 (100 PSI), Add	70.64	
For DR 15.5 (110 PSI), Add	103.44	
For DR 13.5 (128 PSI), Add	161.46	
For DR 11 (160 PSI), Add	259.88	
33 51 13 13-0033 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	519.19	48.42
For DR 26 (65 PSI), Deduct	-68.55	
For DR 17 (100 PSI), Add	83.10	
For DR 15.5 (110 PSI), Add	121.70	
For DR 13.5 (128 PSI), Add	189.95	
For DR 11 (160 PSI), Add	305.75	
33 51 13 13-0034 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	662.00	72.59
For DR 26 (65 PSI), Deduct	-81.41	
For DR 17 (100 PSI), Add	98.68	
For DR 15.5 (110 PSI), Add	144.52	
For DR 13.5 (128 PSI), Add	225.57	
For DR 11 (160 PSI), Add	363.07	
33 51 13 13-0035 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	870.77	84.57
For DR 26 (65 PSI), Deduct	-113.11	
For DR 17 (100 PSI), Add	137.12	
For DR 15.5 (110 PSI), Add	200.80	
For DR 13.5 (128 PSI), Add	313.43	
For DR 11 (160 PSI), Add	504.48	
33 51 13 13-0036 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,254.39	99.89
For DR 26 (65 PSI), Deduct	-174.38	
For DR 17 (100 PSI), Add	211.39	
For DR 15.5 (110 PSI), Add	309.57	
For DR 13.5 (128 PSI), Add	483.20	
For DR 11 (160 PSI), Add	777.74	
33 51 13 13-0037 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,648.59	121.09
For DR 26 (65 PSI), Deduct	-235.65	
For DR 17 (100 PSI), Add	285.66	
For DR 15.5 (110 PSI), Add	418.34	
For DR 13.5 (128 PSI), Add	652.97	
For DR 11 (160 PSI), Add	1,050.99	
33 51 13 13-0038 Medium Density Polyethylene (MDPE) Gas Distribution Piping <small>(33 51 13 13)</small>		
Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 51 13 13-0039 LF 1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.25	1.25
33 51 13 13-0040 LF 3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.61	1.34
33 51 13 13-0041 LF 1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.97	1.43
33 51 13 13-0042 LF 1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.48	1.53
33 51 13 13-0043 LF 1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.82	1.84
33 51 13 13-0044 LF 2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	7.68	2.00
For DR 13.5 (128 PSI), Deduct	-0.21	
For DR 15.5 (110 PSI), Deduct	-0.39	
33 51 13 13-0045 LF 2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	9.82	2.34
For DR 13.5 (128 PSI), Deduct	-0.35	
For DR 15.5 (110 PSI), Deduct	-0.64	
33 51 13 13-0046 LF 3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	12.18	2.78
For DR 13.5 (128 PSI), Deduct	-0.48	
For DR 15.5 (110 PSI), Deduct	-0.88	
33 51 13 13-0047 LF 3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	13.95	3.15
For DR 13.5 (128 PSI), Deduct	-0.56	
For DR 15.5 (110 PSI), Deduct	-1.03	
33 51 13 13-0048 LF 4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.44	3.15
For DR 13.5 (128 PSI), Deduct	-0.88	
For DR 15.5 (110 PSI), Deduct	-1.62	
33 51 13 13-0049 LF 6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	27.06	3.15
For DR 13.5 (128 PSI), Deduct	-1.56	
For DR 15.5 (110 PSI), Deduct	-2.87	
33 51 13 13-0050 LF 8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	38.33	3.94
For DR 13.5 (128 PSI), Deduct	-2.60	
For DR 15.5 (110 PSI), Deduct	-4.78	
33 51 13 13-0051 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped <small>(33 51 13 13)</small>		
33 51 13 13-0052 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	9.56	2.03
33 51 13 13-0053 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	10.82	2.23
33 51 13 13-0054 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	11.88	2.29
33 51 13 13-0055 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	12.19	2.35
33 51 13 13-0056 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	12.55	2.38
33 51 13 13-0057 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	13.34	2.55
33 51 13 13-0058 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	17.65	3.03
33 51 13 13-0059 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	22.08	3.82
33 51 13 13-0060 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	28.75	4.61
33 51 13 13-0061 LF 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	37.17	5.34



Utilities	33	CS
Fuel Distribution Utilities	33 50	
Natural-Gas Distribution	33 51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0062	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	46.38	6.53
33 51 13 13-0063	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	65.42	8.40
33 51 13 13-0064		Gas Line Taps (33 51 13 13) Note: Includes material to tap into main and gas valve.		
33 51 13 13-0065		Polyethylene, 60 PSI (33 51 13 13-0064)		
33 51 13 13-0066	EA	2" Polyethylene Hot Tap, With Valve	854.64	
33 51 13 13-0067	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,118.83	
33 51 13 13-0068	EA	3" Polyethylene Hot Tap, With Valve	1,185.68	
33 51 13 13-0069	EA	4" Polyethylene Hot Tap, With Valve	1,526.39	
33 51 13 13-0070	EA	6" Polyethylene Hot Tap, With Valve	2,314.75	
33 51 13 13-0071		Steel, Schedule 40 (33 51 13 13-0064) Note: For punch steel service tee.		
33 51 13 13-0072	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,503.41	
33 51 13 13-0073	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,528.83	
33 51 13 13-0074	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,566.24	
33 51 13 13-0075	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,602.25	
33 51 13 13-0076	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,627.56	
33 51 13 13-0077	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,768.73	
33 51 13 13-0078	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,815.70	
33 51 13 13-0079		Protective Pipe And Fitting Wrap (33 51 13 13) Note: Pipe is cleaned and primed.		
33 51 13 13-0080		Corrosion Resistance Wrap And Coat - Pipe (33 51 13 13-0079) Note: Field applied.		
33 51 13 13-0081	LF	1/2" Pipe Wrap.....	2.46	
33 51 13 13-0082	LF	3/4" Pipe Wrap.....	2.59	
33 51 13 13-0083	LF	1" Pipe Wrap.....	2.75	
33 51 13 13-0084	LF	1-1/4" Pipe Wrap.....	3.08	
33 51 13 13-0085	LF	1-1/2" Pipe Wrap.....	3.31	
33 51 13 13-0086	LF	2" Pipe Wrap.....	3.80	
33 51 13 13-0087	LF	2-1/2" Pipe Wrap.....	4.61	
33 51 13 13-0088	LF	3" Pipe Wrap.....	5.71	
33 51 13 13-0089	LF	4" Pipe Wrap.....	7.19	
33 51 13 13-0090	LF	6" Pipe Wrap.....	9.52	
33 51 13 13-0091		Corrosion Resistance Wrap And Coat - Fittings (33 51 13 13-0079) Note: Field applied.		
33 51 13 13-0092	EA	1/2" Fitting Wrap	13.87	
33 51 13 13-0093	EA	3/4" Fitting Wrap	13.87	
33 51 13 13-0094	EA	1" Fitting Wrap	17.12	
33 51 13 13-0095	EA	1-1/4" Fitting Wrap	19.28	
33 51 13 13-0096	EA	1-1/2" Fitting Wrap	19.28	
33 51 13 13-0097	EA	2" Fitting Wrap	22.81	
33 51 13 13-0098	EA	2-1/2" Fitting Wrap	30.46	
33 51 13 13-0099	EA	3" Fitting Wrap	41.64	
33 51 13 13-0100	EA	4" Fitting Wrap	42.12	
33 51 13 13-0101	EA	6" Fitting Wrap	48.46	
33 51 13 13-0102		Detection Tape For Underground Utilities (33 51 13 13) Note: Field applied.		
33 51 13 13-0103	CLF	2" Wide Underground Detection Tape	6.63	
33 51 13 13-0104	CLF	3" Wide Underground Detection Tape	7.78	
33 51 13 13-0105	CLF	6" Wide Underground Detection Tape	14.21	
33 51 13 13-0106		Underground Cable Protection Slab (33 51 13 13) Note: Field applied.		
33 51 13 13-0107	CLF	6" Wide Non Detectable Underground Utility Marking Tape	12.69	
33 51 13 13-0108		Service Fittings (33 51 13 13)		
33 51 13 13-0109		Brass Fittings (33 51 13 13-0108)		
33 51 13 13-0110	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	24.07	
33 51 13 13-0111	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	27.73	
33 51 13 13-0112	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	34.80	
33 51 13 13-0113	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass.....	42.63	
33 51 13 13-0114	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass.....	47.58	

33 Utilities**33 50 Fuel Distribution Utilities****33 51 Natural-Gas Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0115	EA		2" X 2" Long Nipples, Threaded Both Ends, Brass	60.77	
33 51 13 13-0116	EA		1/2" 90 Degree Elbow, Brass	21.00	
33 51 13 13-0117	EA		3/4" 90 Degree Elbow, Brass	23.89	
33 51 13 13-0118	EA		1" 90 Degree Elbow, Brass	30.40	
33 51 13 13-0119	EA		1-1/4" 90 Degree Elbow, Brass	38.33	
33 51 13 13-0120	EA		1-1/2" 90 Degree Elbow, Brass	43.38	
33 51 13 13-0121	EA		2" 90 Degree Elbow, Brass	56.31	
33 51 13 13-0122	EA		1/2" Diameter Chrome Plated Nipple	17.21	
33 51 13 13-0123	EA		3/4" Diameter Chrome Plated Nipple	22.05	
33 51 13 13-0124	EA		1" Diameter Chrome Plated Nipple	28.70	
33 51 13 13-0125	EA		1-1/4" Diameter Chrome Plated Nipple	40.65	
33 51 13 13-0126	EA		1-1/2" Diameter Chrome Plated Nipple	48.90	
33 51 13 13-0127	EA		2" Diameter Chrome Plated Nipple	64.96	
33 51 13 13-0128			Anodless Gas Riser (33 51 13 13-0108)		
33 51 13 13-0129	EA		3/4" Anodless Gas Riser	59.87	
33 51 13 13-0130	EA		1" Anodless Gas Riser	73.55	
33 51 13 13-0131	EA		1-1/4" Anodless Gas Riser	85.22	
33 51 13 13-0132	EA		1-1/2" Anodless Gas Riser	104.45	
33 51 13 13-0133	EA		2" Anodless Gas Riser	118.90	
33 51 13 13-0134			Brass Service Adapter (33 51 13 13-0108)		
33 51 13 13-0135	EA		1/2" Brass Service Adapter	49.33	
33 51 13 13-0136	EA		3/4" Brass Service Adapter	54.29	
33 51 13 13-0137	EA		1" Brass Service Adapter	65.17	
33 51 13 13-0138	EA		1-1/4" Brass Service Adapter	79.49	
33 51 13 13-0139	EA		1-1/2" Brass Service Adapter	95.89	
33 51 13 13-0140	EA		2" Brass Service Adapter	115.78	
33 51 13 13-0141	EA		2-1/2" Brass Service Adapter	198.82	
33 51 13 13-0142	EA		3" Brass Service Adapter	242.97	
33 51 13 13-0143	EA		4" Brass Service Adapter	350.63	
33 51 33			Natural-Gas Metering (33 51)		
33 51 33 13			Gas Meters And Regulators (33 51 33)		
33 51 33 13-0001			Natural Gas Meters (33 51 33 13)		
33 51 33 13-0002			Diaphragm Meters (33 51 33 13-0001)		
Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.					
33 51 33 13-0003	EA		250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	354.40	50.89
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0004	EA		425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	679.62	77.83
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0005	EA		425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	788.29	77.83
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0006	EA		800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	1,662.43	97.28
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0007	EA		1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	1,889.14	119.73
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0008	EA		800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	2,438.92	97.28
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0009	EA		1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	2,724.74	119.73
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0010	EA		1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	3,573.83	127.22
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0011	EA		2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	5,036.04	149.67
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0012	EA		5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	7,708.29	246.96
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 51 33 13-0013			Gas Pressure Regulators (33 51 33 13)		
33 51 33 13-0014			Regulators With Screwed And Flanged Ends (33 51 33 13-0013)		
33 51 33 13-0015	EA		3/4" Gas Pressure Regulator, Screwed End	138.20	13.01
33 51 33 13-0016	EA		1" Gas Pressure Regulator, Screwed End	141.16	13.01
33 51 33 13-0017	EA		1-1/4" Gas Pressure Regulator, Screwed End	148.24	15.44
33 51 33 13-0018	EA		1-1/2" Gas Pressure Regulator, Screwed End	471.41	17.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 33 13-0019 EA 2" Gas Pressure Regulator, Screwed End.....	508.71	27.69
33 51 33 13-0020 EA 3" Gas Pressure Regulator, Screwed End.....	1,416.85	62.12
33 51 33 13-0021 EA 4" Gas Pressure Regulator, Screwed End.....	1,964.39	82.31
33 51 33 13-0022 Gas Turbine Meters <small>(33 51 33 13)</small>		
33 51 33 13-0023 Gas Turbine Meters With Direct-Digital Reading <small>(33 51 33 13-0022)</small>		
<small>Note: Maximum working pressure 175 PSI, flanged end connections.</small>		
33 51 33 13-0024 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	6,175.70	243.12
33 51 33 13-0025 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	7,334.12	282.33
33 51 33 13-0026 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,115.63	362.78
33 51 33 13-0027 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	32,303.88	457.11
33 56 Fuel-Storage Tanks <small>(33 50)</small>		
33 56 13 Aboveground Fuel-Storage Tanks <small>(33 56)</small>		
<small>See CSI section 23 13 23 00-0000 for aboveground storage tanks.</small>		
33 56 16 Underground Fuel-Storage Tanks <small>(33 56)</small>		
<small>See CSI section 23 13 13 00-0000 for underground storage tanks.</small>		
33 60 Hydronic And Steam Energy Utilities <small>(33)</small>		
33 61 Hydronic Energy Distribution <small>(33 60)</small>		
33 61 13 Underground Hydronic Energy Distribution <small>(33 61)</small>		
33 61 13 00-0001 Glass Lined Steel Piping <small>(33 61 13)</small>		
33 61 13 00-0002 Glass Lined Steel Pipe <small>(33 61 13 00-0001)</small>		
<small>Note: 150 PSIG</small>		
33 61 13 00-0003 EA 4" X 1' Glass Lined Steel Pipe	1,067.19	
33 61 13 00-0004 EA 4" X 2' Glass Lined Steel Pipe	1,178.36	
33 61 13 00-0005 EA 4" X 3' Glass Lined Steel Pipe	1,178.36	
33 61 13 00-0006 EA 4" X 4' Glass Lined Steel Pipe	1,400.69	
33 61 13 00-0007 EA 4" X 5' Glass Lined Steel Pipe	1,991.24	
33 61 13 00-0008 EA 4" X 10' Glass Lined Steel Pipe	2,306.21	
33 61 13 00-0009 EA 6" X 1' Glass Lined Steel Pipe	893.50	
33 61 13 00-0010 EA 6" X 2' Glass Lined Steel Pipe	1,935.66	
33 61 13 00-0011 EA 6" X 3' Glass Lined Steel Pipe	1,935.66	
33 61 13 00-0012 EA 6" X 4' Glass Lined Steel Pipe	2,192.73	
33 61 13 00-0013 EA 6" X 5' Glass Lined Steel Pipe	3,538.27	
33 61 13 00-0014 EA 6" X 10' Glass Lined Steel Pipe	4,094.94	
33 61 13 00-0015 EA 8" X 1' Glass Lined Steel Pipe	2,208.20	
33 61 13 00-0016 EA 8" X 2' Glass Lined Steel Pipe	2,659.81	
33 61 13 00-0017 EA 8" X 3' Glass Lined Steel Pipe	2,659.81	
33 61 13 00-0018 EA 8" X 4' Glass Lined Steel Pipe	3,058.93	
33 61 13 00-0019 EA 8" X 5' Glass Lined Steel Pipe	4,143.57	
33 61 13 00-0020 EA 8" X 10' Glass Lined Steel Pipe	4,709.44	
33 61 13 00-0021 EA 12" X 1' Glass Lined Steel Pipe	5,992.81	
33 61 13 00-0022 EA 12" X 2' Glass Lined Steel Pipe	5,992.81	
33 61 13 00-0023 EA 12" X 3' Glass Lined Steel Pipe	6,210.50	
33 61 13 00-0024 EA 12" X 4' Glass Lined Steel Pipe	6,623.48	
33 61 13 00-0025 EA 12" X 5' Glass Lined Steel Pipe	7,432.49	
33 61 13 00-0026 EA 12" X 10' Glass Lined Steel Pipe	9,181.74	
33 61 13 00-0027 EA 16" X 10' Glass Lined Steel Pipe	12,507.11	
33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
<small>Note: 150 PSIG</small>		
33 61 13 00-0029 EA 4" 90 Degree Elbow, Glass Lined Steel Fittings	1,274.32	
33 61 13 00-0030 EA 6" 90 Degree Elbow, Glass Lined Steel Fittings	2,085.48	
33 61 13 00-0031 EA 8" 90 Degree Elbow, Glass Lined Steel Fittings	3,850.57	
33 61 13 00-0032 EA 10" 90 Degree Elbow, Glass Lined Steel Fittings	6,844.33	
33 61 13 00-0033 EA 12" 90 Degree Elbow, Glass Lined Steel Fittings	10,127.68	
33 61 13 00-0034 EA 14" 90 Degree Elbow, Glass Lined Steel Fittings	11,898.18	
33 61 13 00-0035 EA 16" 90 Degree Elbow, Glass Lined Steel Fittings	13,668.41	
33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
<small>Note: 150 PSIG</small>		
33 61 13 00-0037 EA 4" 45 Degree Elbow, Glass Lined Steel Fittings	1,248.84	
33 61 13 00-0038 EA 6" 45 Degree Elbow, Glass Lined Steel Fittings	2,085.48	
33 61 13 00-0039 EA 8" 45 Degree Elbow, Glass Lined Steel Fittings	4,026.58	
33 61 13 00-0040 EA 10" 45 Degree Elbow, Glass Lined Steel Fittings	11,374.26	
33 61 13 00-0041 EA 12" 45 Degree Elbow, Glass Lined Steel Fittings	10,127.68	
33 61 13 00-0042 EA 14" 45 Degree Elbow, Glass Lined Steel Fittings	11,898.18	
33 61 13 00-0043 EA 16" 45 Degree Elbow, Glass Lined Steel Fittings	13,668.41	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0044 Tee, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
Note: 150 PSIG		
33 61 13 00-0045 EA 4" Tee, Glass Lined Steel Fittings.....	1,980.63	
33 61 13 00-0046 EA 6" Tee, Glass Lined Steel Fittings.....	3,405.13	
33 61 13 00-0047 EA 8" Tee, Glass Lined Steel Fittings.....	5,047.23	
33 61 13 00-0048 EA 10" Tee, Glass Lined Steel Fittings.....	8,716.25	
33 61 13 00-0049 EA 12" Tee, Glass Lined Steel Fittings.....	12,409.34	
33 61 13 00-0050 EA 14" Tee, Glass Lined Steel Fittings.....	14,623.28	
33 61 13 00-0051 EA 16" Tee, Glass Lined Steel Fittings.....	16,799.90	
33 61 13 00-0052 Preinsulated Pipe <small>(33 61 13)</small>		
Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 00-0044 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.		
33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe <small>(33 61 13 00-0052)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0054 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0055 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	37.89	
For High Density Polyethylene (HDPE) Jacket, Add	0.39	
For Schedule 80 Pipe, Add	3.93	
33 61 13 00-0056 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	41.30	
For High Density Polyethylene (HDPE) Jacket, Add	0.43	
For Schedule 80 Pipe, Add	4.32	
33 61 13 00-0057 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.25	
For High Density Polyethylene (HDPE) Jacket, Add	0.49	
For Schedule 80 Pipe, Add	4.86	
33 61 13 00-0058 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.20	
For High Density Polyethylene (HDPE) Jacket, Add	0.52	
For Schedule 80 Pipe, Add	5.22	
33 61 13 00-0059 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.75	
For High Density Polyethylene (HDPE) Jacket, Add	0.55	
For Schedule 80 Pipe, Add	5.46	
33 61 13 00-0060 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.67	
For High Density Polyethylene (HDPE) Jacket, Add	0.59	
For Schedule 80 Pipe, Add	5.93	
33 61 13 00-0061 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.44	
For High Density Polyethylene (HDPE) Jacket, Add	0.64	
For Schedule 80 Pipe, Add	6.40	
33 61 13 00-0062 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	85.43	
For High Density Polyethylene (HDPE) Jacket, Add	0.81	
For Schedule 80 Pipe, Add	8.06	
33 61 13 00-0063 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.83	
For High Density Polyethylene (HDPE) Jacket, Add	1.03	
For Schedule 80 Pipe, Add	10.32	
33 61 13 00-0064 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	124.61	
For High Density Polyethylene (HDPE) Jacket, Add	1.20	
For Schedule 80 Pipe, Add	11.98	
33 61 13 00-0065 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	165.37	
For High Density Polyethylene (HDPE) Jacket, Add	1.74	
For Schedule 80 Pipe, Add	17.43	
33 61 13 00-0066 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	208.08	
For High Density Polyethylene (HDPE) Jacket, Add	2.30	
For Schedule 80 Pipe, Add	23.01	
33 61 13 00-0067 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	258.03	
For High Density Polyethylene (HDPE) Jacket, Add	2.87	
For Schedule 80 Pipe, Add	28.70	
33 61 13 00-0068 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0069 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	39.85	
For High Density Polyethylene (HDPE) Jacket, Add	0.43	
For Schedule 80 Pipe, Add	4.32	
33 61 13 00-0070 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.46	
For High Density Polyethylene (HDPE) Jacket, Add	0.47	
For Schedule 80 Pipe, Add	4.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0071 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	47.68 0.53 5.35	
33 61 13 00-0072 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	50.81 0.57 5.74	
33 61 13 00-0073 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	53.47 0.60 6.00	
33 61 13 00-0074 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	61.63 0.65 6.52	
33 61 13 00-0075 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	70.64 0.70 7.04	
33 61 13 00-0076 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	89.46 0.89 8.87	
33 61 13 00-0077 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	111.99 1.14 11.35	
33 61 13 00-0078 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	130.60 1.32 13.18	
33 61 13 00-0079 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	174.08 1.92 19.18	
33 61 13 00-0080 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	219.59 2.53 25.31	
33 61 13 00-0081 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	272.38 3.16 31.57	
33 61 13 00-0082 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0083 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	40.83 0.45 4.51	
33 61 13 00-0084 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	44.54 0.50 4.96	
33 61 13 00-0085 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	48.90 0.56 5.59	
33 61 13 00-0086 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	52.11 0.60 6.00	
33 61 13 00-0087 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	54.84 0.63 6.27	
33 61 13 00-0088 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	63.12 0.68 6.82	
33 61 13 00-0089 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	72.24 0.74 7.36	
33 61 13 00-0090 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	91.48 0.93 9.27	
33 61 13 00-0091 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	114.57 1.19 11.87	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	133.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.38	
			<i>For Schedule 80 Pipe, Add</i>	13.77	
33 61	13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	178.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
			<i>For Schedule 80 Pipe, Add</i>	20.05	
33 61	13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	225.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.65	
			<i>For Schedule 80 Pipe, Add</i>	26.46	
33 61	13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	279.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.30	
			<i>For Schedule 80 Pipe, Add</i>	33.00	
33 61	13 00-0096		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0093)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	42.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.48	
			<i>For Schedule 80 Pipe, Add</i>	4.81	
33 61	13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
			<i>For Schedule 80 Pipe, Add</i>	5.29	
33 61	13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
			<i>For Schedule 80 Pipe, Add</i>	5.96	
33 61	13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.64	
			<i>For Schedule 80 Pipe, Add</i>	6.39	
33 61	13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
			<i>For Schedule 80 Pipe, Add</i>	6.68	
33 61	13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
			<i>For Schedule 80 Pipe, Add</i>	7.26	
33 61	13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	74.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
			<i>For Schedule 80 Pipe, Add</i>	7.84	
33 61	13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	94.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.99	
			<i>For Schedule 80 Pipe, Add</i>	9.88	
33 61	13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	118.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.26	
			<i>For Schedule 80 Pipe, Add</i>	12.64	
33 61	13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	138.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.47	
			<i>For Schedule 80 Pipe, Add</i>	14.67	
33 61	13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	184.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.14	
			<i>For Schedule 80 Pipe, Add</i>	21.36	
33 61	13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.82	
			<i>For Schedule 80 Pipe, Add</i>	28.18	
33 61	13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	290.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.52	
			<i>For Schedule 80 Pipe, Add</i>	35.16	
33 61	13 00-0110		Preinsulated Black Steel Fittings <small>(33 61 13 00-0092)</small>		
			Note: No excavation or backfill.		
33 61	13 00-0111		Elbows <small>(33 61 13 00-0110)</small>		
33 61	13 00-0112		Elbows <small>(33 61 13 00-0111)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	286.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0114 EA 1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	297.80	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.13	
33 61 13 00-0115 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	342.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.70	
33 61 13 00-0116 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	388.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
33 61 13 00-0117 EA 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	464.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.34	
33 61 13 00-0118 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	567.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.55	
33 61 13 00-0119 EA 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	659.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.40	
33 61 13 00-0120 EA 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	769.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.47	
33 61 13 00-0121 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	904.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.61	
33 61 13 00-0122 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	990.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.91	
33 61 13 00-0123 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,383.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.77	
33 61 13 00-0124 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,876.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.16	
33 61 13 00-0125 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,376.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.68	
33 61 13 00-0126 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0127 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	301.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.33	
33 61 13 00-0128 EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	313.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.44	
33 61 13 00-0129 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	360.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.05	
33 61 13 00-0130 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.51	
33 61 13 00-0131 EA 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	484.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.74	
33 61 13 00-0132 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	588.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.97	
33 61 13 00-0133 EA 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	683.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.88	
33 61 13 00-0134 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	797.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.03	
33 61 13 00-0135 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	940.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.33	
33 61 13 00-0136 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,031.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.73	
33 61 13 00-0137 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,442.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.96	
33 61 13 00-0138 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,951.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.67	
33 61 13 00-0139 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,476.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.68	
33 61 13 00-0140 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	316.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.64	
33 61	13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	328.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.75	
33 61	13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	378.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.40	
33 61	13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	426.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61	13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	504.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61	13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	608.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.38	
33 61	13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	707.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.36	
33 61	13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	825.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.59	
33 61	13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	976.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.05	
33 61	13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,072.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.55	
33 61	13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,501.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.14	
33 61	13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,027.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.18	
33 61	13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,576.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.69	
33 61	13 00-0154		Elbows (33 61 13 00-0111)		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.94	
33 61	13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.06	
33 61	13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	395.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.75	
33 61	13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	445.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.28	
33 61	13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.54	
33 61	13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	629.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.80	
33 61	13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	731.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.84	
33 61	13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	853.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.15	
33 61	13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,012.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.77	
33 61	13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,113.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.37	
33 61	13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,560.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.32	
33 61	13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,102.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.70	
33 61	13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,676.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.69	
33 61	13 00-0168		Tees (33 61 13 00-0110)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 61 13 00-0169 Tees <small>(33 61 13 00-0168)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
				33 61 13 00-0170 EA 3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	426.67	
				For High Density Polyethylene (HDPE) Jacket, Add	5.99	
				33 61 13 00-0171 EA 1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	443.47	
				For High Density Polyethylene (HDPE) Jacket, Add	6.13	
				33 61 13 00-0172 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	510.66	
				For High Density Polyethylene (HDPE) Jacket, Add	6.97	
				33 61 13 00-0173 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	578.37	
				For High Density Polyethylene (HDPE) Jacket, Add	7.61	
				33 61 13 00-0174 EA 2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	693.08	
				For High Density Polyethylene (HDPE) Jacket, Add	7.93	
				33 61 13 00-0175 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	846.14	
				For High Density Polyethylene (HDPE) Jacket, Add	8.24	
				33 61 13 00-0176 EA 3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	984.63	
				For High Density Polyethylene (HDPE) Jacket, Add	9.51	
				33 61 13 00-0177 EA 4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,149.13	
				For High Density Polyethylene (HDPE) Jacket, Add	11.09	
				33 61 13 00-0178 EA 5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,351.66	
				For High Density Polyethylene (HDPE) Jacket, Add	14.26	
				33 61 13 00-0179 EA 6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,478.58	
				For High Density Polyethylene (HDPE) Jacket, Add	16.20	
				33 61 13 00-0180 EA 8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,061.63	
				For High Density Polyethylene (HDPE) Jacket, Add	23.42	
				33 61 13 00-0181 EA 10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,800.65	
				For High Density Polyethylene (HDPE) Jacket, Add	29.94	
				33 61 13 00-0182 EA 12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,544.60	
				For High Density Polyethylene (HDPE) Jacket, Add	39.62	
				33 61 13 00-0183 Tees <small>(33 61 13 00-0168)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
				33 61 13 00-0184 EA 3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	449.12	
				For High Density Polyethylene (HDPE) Jacket, Add	6.44	
				33 61 13 00-0185 EA 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	466.45	
				For High Density Polyethylene (HDPE) Jacket, Add	6.59	
				33 61 13 00-0186 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	536.81	
				For High Density Polyethylene (HDPE) Jacket, Add	7.50	
				33 61 13 00-0187 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	606.90	
				For High Density Polyethylene (HDPE) Jacket, Add	8.18	
				33 61 13 00-0188 EA 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	722.79	
				For High Density Polyethylene (HDPE) Jacket, Add	8.52	
				33 61 13 00-0189 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	877.04	
				For High Density Polyethylene (HDPE) Jacket, Add	8.86	
				33 61 13 00-0190 EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,020.29	
				For High Density Polyethylene (HDPE) Jacket, Add	10.22	
				33 61 13 00-0191 EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,190.74	
				For High Density Polyethylene (HDPE) Jacket, Add	11.93	
				33 61 13 00-0192 EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,405.16	
				For High Density Polyethylene (HDPE) Jacket, Add	15.33	
				33 61 13 00-0193 EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,539.34	
				For High Density Polyethylene (HDPE) Jacket, Add	17.42	
				33 61 13 00-0194 EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,149.46	
				For High Density Polyethylene (HDPE) Jacket, Add	25.18	
				33 61 13 00-0195 EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,912.92	
				For High Density Polyethylene (HDPE) Jacket, Add	32.18	
				33 61 13 00-0196 EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,693.20	
				For High Density Polyethylene (HDPE) Jacket, Add	42.60	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0197			Tees <small>(33 61 13 00-0168)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0198	EA		3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	471.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0199	EA		1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.05	
33 61 13 00-0200	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	562.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.02	
33 61 13 00-0201	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	635.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.75	
33 61 13 00-0202	EA		2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	752.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.11	
33 61 13 00-0203	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	907.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.48	
33 61 13 00-0204	EA		3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,055.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.94	
33 61 13 00-0205	EA		4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,232.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.76	
33 61 13 00-0206	EA		5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,458.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.40	
33 61 13 00-0207	EA		6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,600.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.63	
33 61 13 00-0208	EA		8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,237.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.94	
33 61 13 00-0209	EA		10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,025.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.43	
33 61 13 00-0210	EA		12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,841.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.57	
33 61 13 00-0211			Tees <small>(33 61 13 00-0168)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0212	EA		3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	494.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.34	
33 61 13 00-0213	EA		1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	512.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.51	
33 61 13 00-0214	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	589.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.54	
33 61 13 00-0215	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	663.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.32	
33 61 13 00-0216	EA		2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	782.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.71	
33 61 13 00-0217	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	938.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.10	
33 61 13 00-0218	EA		3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,091.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.65	
33 61 13 00-0219	EA		4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,273.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.59	
33 61 13 00-0220	EA		5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,512.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.47	
33 61 13 00-0221	EA		6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,660.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.85	
33 61 13 00-0222	EA		8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,325.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.69	
33 61 13 00-0223	EA		10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,137.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0224 EA 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,990.38 48.54	
33 61 13 00-0225 Reducers <small>(33 61 13 00-0110)</small>		
33 61 13 00-0226 Reducers <small>(33 61 13 00-0225)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0227 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	243.74 3.35	
33 61 13 00-0228 EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	253.55 3.43	
33 61 13 00-0229 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	292.16 3.90	
33 61 13 00-0230 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	331.43 4.25	
33 61 13 00-0231 EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	399.70 4.43	
33 61 13 00-0232 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	497.57 4.61	
33 61 13 00-0233 EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	573.97 5.32	
33 61 13 00-0234 EA 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	666.52 6.20	
33 61 13 00-0235 EA 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	780.49 7.97	
33 61 13 00-0236 EA 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	853.66 9.06	
33 61 13 00-0237 EA 8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,189.66 13.09	
33 61 13 00-0238 EA 10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,618.35 16.73	
33 61 13 00-0239 EA 12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,043.79 22.15	
33 61 13 00-0240 Reducers <small>(33 61 13 00-0225)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0241 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	256.29 3.60	
33 61 13 00-0242 EA 1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	266.40 3.68	
33 61 13 00-0243 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	306.78 4.19	
33 61 13 00-0244 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	347.38 4.57	
33 61 13 00-0245 EA 2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	416.31 4.76	
33 61 13 00-0246 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	514.84 4.95	
33 61 13 00-0247 EA 3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	593.90 5.71	
33 61 13 00-0248 EA 4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	689.77 6.67	
33 61 13 00-0249 EA 5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	810.39 8.57	
33 61 13 00-0250 EA 6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	887.61 9.73	
33 61 13 00-0251 EA 8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,238.75 14.07	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,681.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.99	
33 61	13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,126.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.81	
33 61 13 00-0254 Reducers <small>(33 61 13 00-0225)</small>					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	268.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.85	
33 61	13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	279.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.94	
33 61	13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	321.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.48	
33 61	13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	363.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.89	
33 61	13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	432.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.09	
33 61	13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	532.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.30	
33 61	13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	613.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.11	
33 61	13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	713.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.13	
33 61	13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	840.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.17	
33 61	13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	921.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.41	
33 61	13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,287.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.06	
33 61	13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,743.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.24	
33 61	13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,209.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.47	
33 61 13 00-0268 Reducers <small>(33 61 13 00-0225)</small>					
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	281.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.10	
33 61	13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	292.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.20	
33 61	13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	336.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.78	
33 61	13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	379.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.21	
33 61	13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	449.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61	13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	549.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.64	
33 61	13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	633.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.51	
33 61	13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	736.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.60	
33 61	13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	870.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.77	
33 61	13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	955.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0279	EA		8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,336.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.04	
33 61	13 00-0280	EA		10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,806.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.50	
33 61	13 00-0281	EA		12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,292.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.13	
33 61	13 00-0282			Preinsulated Type K Copper Pipe <small>(33 61 13 00-0052)</small>		
				Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61	13 00-0283			Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0284	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61	13 00-0285	LF		1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.35	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.59	
33 61	13 00-0286	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.66	
33 61	13 00-0287	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61	13 00-0288	LF		2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
33 61	13 00-0289	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
33 61	13 00-0290	LF		3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	79.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.87	
33 61	13 00-0291	LF		4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	100.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.09	
33 61	13 00-0292	LF		5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	126.20	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.40	
33 61	13 00-0293	LF		6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	147.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.62	
33 61	13 00-0294	LF		8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	197.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.36	
33 61	13 00-0295	LF		10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	250.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.12	
33 61	13 00-0296	LF		12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.89	
33 61	13 00-0297			Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0298	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.59	
33 61	13 00-0299	LF		1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.64	
33 61	13 00-0300	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.72	
33 61	13 00-0301	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
33 61	13 00-0302	LF		2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.81	
33 61	13 00-0303	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61	13 00-0304	LF		3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	83.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.95	
33 61	13 00-0305	LF		4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.07	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.20	
33 61	13 00-0306	LF		5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	133.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.54	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	155.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.79	
33 61	13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	209.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.60	
33 61	13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	266.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.43	
33 61	13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	330.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.28	
33 61	13 00-0311		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61	13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61	13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.81	
33 61	13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
33 61	13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61	13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	85.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.00	
33 61	13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	108.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.26	
33 61	13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	136.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.61	
33 61	13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	159.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.87	
33 61	13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	215.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.72	
33 61	13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	274.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.59	
33 61	13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	340.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.47	
33 61	13 00-0325		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.72	
33 61	13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.81	
33 61	13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.87	
33 61	13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.91	
33 61	13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	78.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.98	
33 61	13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	89.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.06	
33 61	13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	112.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0334 LF 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	141.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.71	
33 61 13 00-0335 LF 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	165.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.99	
33 61 13 00-0336 LF 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	224.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.89	
33 61 13 00-0337 LF 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	285.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.82	
33 61 13 00-0338 LF 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	354.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.76	
33 61 13 00-0339 Preinsulated Copper Fittings (33 61 13 00-0062)		
33 61 13 00-0340 Elbows (33 61 13 00-0339)		
33 61 13 00-0341 Elbows (33 61 13 00-0340)		
<i>Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0342 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	376.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.06	
33 61 13 00-0343 EA 1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	389.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.21	
33 61 13 00-0344 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	447.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61 13 00-0345 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	500.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70	
33 61 13 00-0346 EA 2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	573.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.02	
33 61 13 00-0347 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	669.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.34	
33 61 13 00-0348 EA 3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	776.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.63	
33 61 13 00-0349 EA 4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	906.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.23	
33 61 13 00-0350 EA 5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,090.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.44	
33 61 13 00-0351 EA 6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,207.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.40	
33 61 13 00-0352 EA 8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,702.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.71	
33 61 13 00-0353 EA 10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,270.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.31	
33 61 13 00-0354 EA 12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,912.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.12	
33 61 13 00-0355 Elbows (33 61 13 00-0340)		
<i>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0356 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	399.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61 13 00-0357 EA 1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	413.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.67	
33 61 13 00-0358 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	473.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.59	
33 61 13 00-0359 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	528.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.28	
33 61 13 00-0360 EA 2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	603.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 00-0361 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	700.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.97	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0362 EA 3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	812.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.35	
33 61 13 00-0363 EA 4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	948.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.08	
33 61 13 00-0364 EA 5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,145.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.53	
33 61 13 00-0365 EA 6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,268.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.63	
33 61 13 00-0366 EA 8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,791.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.49	
33 61 13 00-0367 EA 10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,384.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.59	
33 61 13 00-0368 EA 12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,062.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.13	
33 61 13 00-0369 Elbows <small>(33 61 13 00-0340)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0370 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	422.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.97	
33 61 13 00-0371 EA 1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	436.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.14	
33 61 13 00-0372 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	499.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.12	
33 61 13 00-0373 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	557.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.86	
33 61 13 00-0374 EA 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	633.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.23	
33 61 13 00-0375 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	731.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.60	
33 61 13 00-0376 EA 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	848.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.07	
33 61 13 00-0377 EA 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	990.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.92	
33 61 13 00-0378 EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,199.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.61	
33 61 13 00-0379 EA 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,330.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.86	
33 61 13 00-0380 EA 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,880.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.27	
33 61 13 00-0381 EA 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,497.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.86	
33 61 13 00-0382 EA 12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,213.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.14	
33 61 13 00-0383 Elbows <small>(33 61 13 00-0340)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0384 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	445.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.43	
33 61 13 00-0385 EA 1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	459.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.60	
33 61 13 00-0386 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	526.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.65	
33 61 13 00-0387 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	586.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.44	
33 61 13 00-0388 EA 2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	663.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0389 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	763.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.22	
33 61 13 00-0390 EA 3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	884.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.80	
33 61 13 00-0391 EA 4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,032.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.76	
33 61 13 00-0392 EA 5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,253.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.69	
33 61 13 00-0393 EA 6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,392.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.10	
33 61 13 00-0394 EA 8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,969.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.05	
33 61 13 00-0395 EA 10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,611.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.13	
33 61 13 00-0396 EA 12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,363.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.15	
33 61 13 00-0397 Tees <small>(33 61 13 00-0399)</small>		
33 61 13 00-0398 Tees <small>(33 61 13 00-0397)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0399 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	560.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.00	
33 61 13 00-0400 EA 1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	579.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61 13 00-0401 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	665.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.49	
33 61 13 00-0402 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	744.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.44	
33 61 13 00-0403 EA 2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	853.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.92	
33 61 13 00-0404 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	997.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.39	
33 61 13 00-0405 EA 3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,157.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.30	
33 61 13 00-0406 EA 4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,350.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.68	
33 61 13 00-0407 EA 5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,627.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.45	
33 61 13 00-0408 EA 6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,799.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.36	
33 61 13 00-0409 EA 8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,535.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.22	
33 61 13 00-0410 EA 10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,384.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.01	
33 61 13 00-0411 EA 12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,338.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.58	
33 61 13 00-0412 Tees <small>(33 61 13 00-0397)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0413 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	594.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.68	
33 61 13 00-0414 EA 1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	614.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.91	
33 61 13 00-0415 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	704.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.27	
33 61 13 00-0416 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	786.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.30	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0417 EA 2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	898.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.81	
33 61 13 00-0418 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,043.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.32	
33 61 13 00-0419 EA 3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,211.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.37	
33 61 13 00-0420 EA 4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,413.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.93	
33 61 13 00-0421 EA 5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,707.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.06	
33 61 13 00-0422 EA 6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,890.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.19	
33 61 13 00-0423 EA 8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,667.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.86	
33 61 13 00-0424 EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,552.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.39	
33 61 13 00-0425 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,561.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	64.05	
33 61 13 00-0426 Tees <small>(33 61 13 00-0397)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0427 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	628.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.35	
33 61 13 00-0428 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	649.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	
33 61 13 00-0429 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	743.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.06	
33 61 13 00-0430 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	829.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.15	
33 61 13 00-0431 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	943.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.70	
33 61 13 00-0432 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,089.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.25	
33 61 13 00-0433 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,264.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.44	
33 61 13 00-0434 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,476.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.18	
33 61 13 00-0435 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,788.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.66	
33 61 13 00-0436 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,982.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.01	
33 61 13 00-0437 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,798.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.50	
33 61 13 00-0438 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,720.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.77	
33 61 13 00-0439 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,787.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	68.51	
33 61 13 00-0440 Tees <small>(33 61 13 00-0397)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0441 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	662.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.03	
33 61 13 00-0442 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	683.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	
33 61 13 00-0443 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	783.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0444 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	872.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.01	
33 61 13 00-0445 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	987.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.60	
33 61 13 00-0446 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,136.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.18	
33 61 13 00-0447 EA 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,318.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.52	
33 61 13 00-0448 EA 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,538.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.43	
33 61 13 00-0449 EA 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,868.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.27	
33 61 13 00-0450 EA 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,073.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.84	
33 61 13 00-0451 EA 8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,930.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.14	
33 61 13 00-0452 EA 10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,888.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.14	
33 61 13 00-0453 EA 12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,010.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	72.98	
33 61 13 00-0454 Reducers <small>(33 61 13 00-0339)</small>		
33 61 13 00-0455 Reducers <small>(33 61 13 00-0454)</small>		
<i>Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0456 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.03	
33 61 13 00-0457 EA 1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	329.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.15	
33 61 13 00-0458 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	377.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.86	
33 61 13 00-0459 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.39	
33 61 13 00-0460 EA 2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	487.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.66	
33 61 13 00-0461 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	578.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.93	
33 61 13 00-0462 EA 3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	667.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.99	
33 61 13 00-0463 EA 4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	776.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.32	
33 61 13 00-0464 EA 5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	931.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.99	
33 61 13 00-0465 EA 6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,029.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.62	
33 61 13 00-0466 EA 8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,449.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.68	
33 61 13 00-0467 EA 10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,937.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.16	
33 61 13 00-0468 EA 12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,479.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.30	
33 61 13 00-0469 Reducers <small>(33 61 13 00-0454)</small>		
<i>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0470 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	336.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.41	
33 61 13 00-0471 EA 1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.54	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	399.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.30	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	446.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.87	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	512.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.16	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	604.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.45	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	697.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.59	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	811.10	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.02	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	976.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.89	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,080.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.64	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,523.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.16	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,032.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.05	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,604.10	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.80	
33 61 13 00-0483		Reducers <small>(33 61 13 00-0454)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	355.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.79	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	367.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	421.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.74	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	470.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.35	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	537.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.66	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	630.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.97	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	727.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.19	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	846.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.72	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,021.32	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.79	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,131.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.66	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,596.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.64	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,126.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.93	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,729.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.29	
33 61 13 00-0497		Reducers <small>(33 61 13 00-0454)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	374.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0499 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....387.00 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 6.31	387.00	
33 61 13 00-0500 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....443.54 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 7.18	443.54	
33 61 13 00-0501 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....494.91 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 7.83	494.91	
33 61 13 00-0502 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....562.89 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 8.16	562.89	
33 61 13 00-0503 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....656.61 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 8.48	656.61	
33 61 13 00-0504 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....757.48 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 9.79	757.48	
33 61 13 00-0505 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....881.02 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 11.42	881.02	
33 61 13 00-0506 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,066.28 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 14.68	1,066.28	
33 61 13 00-0507 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,182.69 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 16.68	1,182.69	
33 61 13 00-0508 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,670.58 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 24.11	1,670.58	
33 61 13 00-0509 EA 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....2,220.47 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 30.82	2,220.47	
33 61 13 00-0510 EA 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....2,854.02 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 40.79	2,854.02	
33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0512 Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0513 LF 4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....90.80	90.80	
33 61 13 00-0514 LF 6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....132.19	132.19	
33 61 13 00-0515 LF 8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....173.64	173.64	
33 61 13 00-0516 LF 10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....217.27	217.27	
33 61 13 00-0517 LF 12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....269.21	269.21	
33 61 13 00-0518 Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0519 LF 4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....95.11	95.11	
33 61 13 00-0520 LF 6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....138.59	138.59	
33 61 13 00-0521 LF 8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....182.96	182.96	
33 61 13 00-0522 LF 10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....229.57	229.57	
33 61 13 00-0523 LF 12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....284.55	284.55	
33 61 13 00-0524 LF 14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....309.71	309.71	
33 61 13 00-0525 LF 16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....345.41	345.41	
33 61 13 00-0526 LF 18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....384.73	384.73	
33 61 13 00-0527 LF 20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....420.62	420.62	
33 61 13 00-0528 LF 24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....490.57	490.57	
33 61 13 00-0529 Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0052)</small>		
33 61 13 00-0530 Elbows <small>(33 61 13 00-0529)</small>		
33 61 13 00-0531 Elbows <small>(33 61 13 00-0530)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0532 EA 4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	777.81	
33 61 13 00-0533 EA 6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,002.43	
33 61 13 00-0534 EA 8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,399.88	
33 61 13 00-0535 EA 10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,897.71	
33 61 13 00-0536 EA 12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,404.93	
33 61 13 00-0537 Elbows <small>(33 61 13 00-0530)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538 EA 4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	831.05	
33 61 13 00-0539 EA 6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,080.18	
33 61 13 00-0540 EA 8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,512.28	
33 61 13 00-0541 EA 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,041.37	
33 61 13 00-0542 EA 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,595.07	
33 61 13 00-0543 EA 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,143.81	
33 61 13 00-0544 EA 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,689.72	
33 61 13 00-0545 EA 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,597.15	
33 61 13 00-0546 EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,851.50	
33 61 13 00-0547 EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,686.57	
33 61 13 00-0548 Tees <small>(33 61 13 00-0529)</small>		
33 61 13 00-0549 Tees <small>(33 61 13 00-0548)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,160.99	
33 61 13 00-0551 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,495.90	
33 61 13 00-0552 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,086.66	
33 61 13 00-0553 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,832.64	
33 61 13 00-0554 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,586.94	
33 61 13 00-0555 Tees <small>(33 61 13 00-0548)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,240.05	
33 61 13 00-0557 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,611.35	
33 61 13 00-0558 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,253.56	
33 61 13 00-0559 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,045.98	
33 61 13 00-0560 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,869.30	
33 61 13 00-0561 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,565.97	
33 61 13 00-0562 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,360.36	
33 61 13 00-0563 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,679.89	
33 61 13 00-0564 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,508.79	
33 61 13 00-0565 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	11,178.17	
33 61 13 00-0566 Reducers <small>(33 61 13 00-0529)</small>		
33 61 13 00-0567 Reducers <small>(33 61 13 00-0566)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	673.15	
33 61 13 00-0569 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	863.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0570 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,203.65	
33 61 13 00-0571 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,636.23	
33 61 13 00-0572 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,067.45	
33 61 13 00-0573 Reducers <small>(33 61 13 00-0566)</small>		
<small>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0574 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	717.34	
33 61 13 00-0575 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	927.86	
33 61 13 00-0576 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,296.93	
33 61 13 00-0577 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,755.47	
33 61 13 00-0578 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,225.27	
33 61 13 00-0579 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,623.29	
33 61 13 00-0580 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,074.95	
33 61 13 00-0581 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,800.55	
33 61 13 00-0582 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,880.86	
33 61 13 00-0583 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,431.37	
33 61 13 00-0584 Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0052)</small>		
33 61 13 00-0585 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0586 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	46.64	15.97
33 61 13 00-0587 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	56.80	17.89
33 61 13 00-0588 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	75.04	19.52
33 61 13 00-0589 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	99.78	24.40
33 61 13 00-0590 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	126.98	30.10
33 61 13 00-0591 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0592 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	33.45	17.89
33 61 13 00-0593 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	35.59	17.89
33 61 13 00-0594 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	37.59	17.89
33 61 13 00-0595 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	45.17	21.14
33 61 13 00-0596 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	55.31	26.84
33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0598 LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	33.45	17.89
33 61 13 00-0599 LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	35.59	17.89
33 61 13 00-0600 LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	37.59	17.89
33 61 13 00-0601 LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	45.17	21.14
33 61 13 00-0602 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	55.31	26.84
33 70 Electrical Utilities <small>(33)</small>		
33 71 Electrical Utility Transmission And Distribution <small>(33 70)</small>		
33 71 19 Electrical Underground Ducts And Manholes <small>(33 71)</small>		
<small>Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.</small>		
33 71 19 00-0001 Electrical Handholes And Pull Boxes <small>(33 71 19)</small>		
33 71 19 00-0002 Electrical Pull Boxes <small>(33 71 19 00-0001)</small>		
<small>See CSI section 33 05 16 13-0427 for handholes.</small>		
33 71 19 00-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,322.54	
33 71 19 00-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,574.26	
33 71 19 00-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,813.96	
33 71 19 00-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	2,773.85	
33 71 19 00-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	2,948.27	
33 71 19 00-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,165.54	

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission And Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 71 19 00-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	3,638.31	
33 71 19 00-0010		Electrical Pull Boxes (CALTRAN) <small>(33 71 19 00-0001)</small>		
33 71 19 00-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	89.29	
33 71 19 00-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	30.90	
33 71 19 00-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	49.69	
33 71 19 00-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	94.51	
33 71 19 00-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	140.99	
		<i>For Galvanized Steel Cover, Add</i>	22.50	
33 71 19 00-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	42.54	
33 71 19 00-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	42.54	
33 71 19 00-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box.....	129.41	
33 71 19 00-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	39.70	
33 71 19 00-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	58.49	
33 71 19 00-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	183.89	
		<i>For Galvanized Steel Cover, Add</i>	41.25	
33 71 19 00-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	56.29	
33 71 19 00-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	53.27	
33 71 19 00-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box.....	138.21	
33 71 19 00-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	51.52	
33 71 19 00-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	70.31	
33 71 19 00-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	248.79	
		<i>For Galvanized Steel Cover, Add</i>	57.75	
33 71 19 00-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	65.09	
33 71 19 00-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	61.79	
33 71 19 00-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	81.59	
33 71 19 00-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	169.87	
33 71 19 00-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	219.09	
33 71 19 00-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	76.09	
33 71 19 00-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	70.59	
33 71 19 00-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box.....	226.21	
33 71 19 00-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	312.59	
33 71 19 00-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	89.29	
33 71 19 00-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	87.09	
33 71 19 00-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box.....	306.51	
33 71 19 00-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	433.59	
33 71 19 00-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	144.29	
33 71 19 00-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	114.59	
33 71 19 00-0043		Electrical Property Line Boxes <small>(33 71 19)</small>		
33 71 19 00-0044	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	2,494.92	289.58
33 71 19 00-0045	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	2,907.64	300.30
33 71 19 00-0046	EA	6' x 4' x 5' Deep Property Line Box	3,211.73	364.65
33 71 19 00-0047	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	4,904.09	536.26
33 71 19 00-0048		Underground Electrical Concrete Markers <small>(33 71 19)</small>		
33 71 19 00-0049	EA	36" x 6" x 6", Underground Electric Concrete Marker	246.91	
33 71 19 00-0050		Manhole Accessories <small>(33 71 19)</small>		
33 71 19 00-0051	EA	6" Precast Grade Ring Riser Casting.....	345.31	
33 71 19 00-0052	EA	12" Precast Grade Ring Riser Casting.....	373.95	
33 71 19 00-0053	EA	36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,292.67	
33 71 19 00-0054	EA	42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1	1,683.52	
33 71 19 00-0055	EA	Cast Iron Adjusting Ring NEENAH #R-1979.....	560.66	
33 71 19 00-0056	EA	Cast Iron Frame And Cover NEENAH #R-1640-B.....	706.92	

END OF SECTION 33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 Traffic Signals ^(34 41 13)

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern.....		4,810.09	562.89
34 41 13 00-0003	EA	Traffic Signal Loops, Per Loop.....		329.32	
Note: Includes saw cutting, sealing and splicing into leads in street.					

34 41 13 00-0004 Overhead Traffic Signals ^(34 41 13)

34 41 13 00-0005	EA	Signal Head, Polycarbonate/LED, 1-F/5-S, Plumb Mounted	1,398.96		
34 41 13 00-0006	EA	Signal Head, Polycarbonate/LED, 1-F/3-S, Bracket Mounted.....	1,191.91		
34 41 13 00-0007	EA	Signal Head, Polycarbonate/LED, 1-F/4-S, Bracket Mounted.....	1,524.19		
34 41 13 00-0008	EA	Signal Head, Polycarbonate/LED, 1-F/5-S, Bracket Mounted.....	1,652.55		
34 41 13 00-0009	EA	Optically Programmed Signal Head, 1-F/3-S, Bracket Mounted.....	2,899.71		
34 41 13 00-0010	EA	Optically Programmed Signal Head, 1-F/4-S, Bracket Mounted.....	4,377.75		
34 41 13 00-0011	EA	Optically Programmed Signal Head, 1-F/5-S, Bracket Mounted.....	4,954.58		
34 41 13 00-0012	EA	Signal Head, Polycarbonate/LED, 1-F/3-S, Mast Arm Mounted	1,413.30		
34 41 13 00-0013	EA	Signal Head, Polycarbonate/LED, 1-F/4-S, Mast Arm Mounted	1,832.05		
34 41 13 00-0014	EA	Signal Head, Polycarbonate/LED, 1-F/5-S, Mast Arm Mounted	1,895.51		
34 41 13 00-0015	EA	Optically Programmed Signal Head, 1-F/3-S, Mast Arm Mounted	3,209.88		
34 41 13 00-0016	EA	Optically Programmed Signal Head, 1-F/4-S, Mast Arm Mounted	4,546.48		
34 41 13 00-0017	EA	Optically Programmed Signal Head, 1-F/5-S, Mast Arm Mounted	5,066.36		
34 41 13 00-0018	EA	Pedestrian Signal Head, Polycarbonate/LED, 1-F/ 2-S, Bracket Mounted	905.43		
34 41 13 00-0019	EA	Audible Pedestrian Signal.....	896.89		
34 41 13 00-0020	EA	Junction Box, Pole Or Post Mounted.....	360.25		
34 41 13 00-0021	EA	Pedestrian Push Button.....	327.63		
34 41 13 00-0022	EA	Illuminated Sign, Bracket Mounted, Symbolic.....	2,601.45		
34 41 13 00-0023	EA	Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,718.10		
34 41 13 00-0024	EA	Sign, Message, "BLANK OUT", Bracket Mounted	2,859.76		
34 41 13 00-0025	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	3,042.63		
34 41 13 00-0026	EA	Sign, Fiber Optic, Bracket Mounted	3,251.42		
34 41 13 00-0027	EA	Sign, Fiber Optic, Mast Arm Mounted	3,438.15		
34 41 13 00-0028	EA	30' Type 15TS Signal And Lighting Standard	4,875.86		
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.					
34 41 13 00-0029	EA	35' Type 21TS Signal And Lighting Standard	5,663.86		
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.					
34 41 13 00-0030	EA	17' Type 18-2-100 Signal And Lighting Standard.....	2,741.36		
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.					
34 41 13 00-0031	EA	17' Type 18-3-100 Signal And Lighting Standard.....	3,045.60		
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.					
34 41 13 00-0032	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard	3,162.23		
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.					
34 41 13 00-0033	EA	17' Type 23-3-100 Signal And Lighting Standard.....	3,162.23		
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.					
34 41 13 00-0034	EA	17' Type 23-4-100 Signal And Lighting Standard.....	3,223.46		
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.					
34 41 13 00-0035	EA	17' Type 27-3-100 Signal And Lighting Standard.....	3,529.62		
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.					
34 41 13 00-0036	EA	17' Type 27-4-100 Signal And Lighting Standard.....	3,600.02		
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.					
34 41 13 00-0037	EA	17' Type 28-5-100 Signal And Lighting Standard.....	3,744.37		
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.					
34 41 13 00-0038	EA	17' Type 60-5-100 Signal And Lighting Standard.....	3,971.73		
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.					
34 41 13 00-0039	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	2,920.34		
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.					
34 41 13 00-0040	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard	5,195.32		
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.					
34 41 13 00-0041	EA	30' Type 19-2-100 Signal And Lighting Standard.....	5,834.23		
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.					
34 41 13 00-0042	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard	6,079.15		
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.					
34 41 13 00-0043	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard	6,079.15		
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.					
34 41 13 00-0044	EA	30' Type 26-3-100 Signal And Lighting Standard.....	6,850.64		
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.					
34 41 13 00-0045	EA	30' Type 26-4-100 Signal And Lighting Standard.....	7,146.38		
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.					
34 41 13 00-0046	EA	30' Type 29-5-100 Signal And Lighting Standard.....	7,456.89		
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.					
34 41 13 00-0047	EA	30' Type 61-5-100 Signal And Lighting Standard.....	7,945.98		
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.					
34 41 13 00-0048	EA	35' Type 17A-2-100 Signal And Lighting Standard.....	6,038.93		
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.					

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0049 EA 35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	6,784.33	
34 41 13 00-0050 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	7,070.07	
34 41 13 00-0051 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	7,070.07	
34 41 13 00-0052 EA 35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	7,970.13	
34 41 13 00-0053 EA 35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,315.16	
34 41 13 00-0054 EA 35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	8,677.44	
34 41 13 00-0055 EA 35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	9,248.02	
34 41 13 00-0056 EA 15' Steel Straight Mast Arm, MONOTUBE.....	2,021.29	
34 41 13 00-0057 EA 20' Steel Straight Mast Arm, MONOTUBE.....	2,123.03	
34 41 13 00-0058 EA 25' Steel Straight Mast Arm, MONOTUBE.....	2,271.60	
34 41 13 00-0059 EA 30' Steel Straight Mast Arm, MONOTUBE.....	3,056.96	
34 41 13 00-0060 EA 35' Steel Straight Mast Arm, MONOTUBE.....	3,676.49	
34 41 13 00-0061 EA 40' Steel Straight Mast Arm, MONOTUBE.....	3,945.72	
34 41 13 00-0062 EA 45' Steel Straight Mast Arm, MONOTUBE.....	4,340.36	
34 41 13 00-0063 EA 4' Steel Curved Luminaire Mast Arm.....	693.56	
34 41 13 00-0064 EA 6' Steel Curved Luminaire Mast Arm.....	901.09	
<i>For High Rise Arm, Add</i>	76.06	
34 41 13 00-0065 EA 8' Steel Curved Luminaire Mast Arm.....	1,127.38	
34 41 13 00-0066 EA 10' Steel Curved Luminaire Mast Arm.....	1,550.72	
<i>For High Rise Arm, Add</i>	111.96	
34 41 13 00-0067 EA 12' Steel Curved Luminaire Mast Arm.....	1,710.54	
<i>For High Rise Arm, Add</i>	132.04	
34 41 13 00-0068 EA 15' Steel Curved Luminaire Mast Arm.....	1,786.01	
<i>For High Rise Arm, Add</i>	147.26	
34 41 13 00-0069 EA 15' Tubular Aluminum Post.....	734.34	
34 41 13 00-0070 EA 17' Tubular Aluminum Post.....	782.82	
34 41 13 00-0071 EA 20' Tubular Aluminum Post.....	871.08	
34 41 13 00-0072 EA CUT-OFF POLE AND CAPPED.....	127.05	
34 41 13 00-0073 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	37.99	
34 41 13 00-0074 EA PAINT EXISTING TS POST COMPLETE.....	180.08	
34 41 13 00-0075 EA 1 Channel Loop Detector Amp.....	1,092.27	
34 41 13 00-0076 EA 4 Channel Loop Detector Amp.....	2,060.84	
34 41 13 00-0077 LF Detector Loop..... Note: Includes Saw Cutting, Sealing And Splicing Into Leads In Street.	21.16	
34 41 13 00-0078 EA FLASHING BEACON WITH DOWNLIGHT.....	1,568.81	
34 41 13 00-0079 EA Flashing Beacon, Bracket Mounted.....	542.88	
34 41 13 00-0080 EA Flashing Beacon, Mast Arm Mounted.....	542.88	
34 41 13 00-0081 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	13,833.11	
34 41 13 00-0082 EA ACCUWAVE DETECTOR.....	2,931.65	
34 41 13 00-0083 EA RTMS DETECTOR.....	9,068.27	
34 41 13 00-0084 LF LEAD-IN CABEL: ACCUWAVE/RTMS DET.....	5.92	
34 41 13 00-0085 LF CABLE IN CONDUIT, #14, 2/C SHIELDED.....	3.95	
34 41 13 00-0086 LF CABLE IN CONDUIT, #4, 2/C.....	6.08	
34 41 13 00-0087 LF CABLE IN CONDUIT, #12, 7/C.....	6.18	
34 41 13 00-0088 LF CABLE IN CONDUIT, #12, 10/C.....	7.10	
34 41 13 00-0089 LF CABLE IN CONDUIT, #12, 19/C.....	8.92	
34 41 13 00-0090 EA TERMINATIONS #12, 7/C.....	125.42	
34 41 13 00-0091 EA SPLICE CABLES IN MH, #12, 7/C.....	326.04	
34 41 13 00-0092 EA CIRCUIT BREAKER - 2 Phase, 240 Volt.....	264.64	
34 41 13 00-0093 LF HARNESS CABLE, #16, 8/C.....	5.19	
34 41 13 00-0094 LF CABLE, T.S., AERIAL, TEMP.....	7.12	
34 41 13 00-0095 EA 7-WIRE MASTER INTERCONNECT.....	996.21	
34 41 13 00-0096 EA 7-WIRE SLAVE INTERCONNECT.....	955.64	
34 41 13 00-0097 LF F.O. HYBRID CABLE, IN CONDUIT.....	6.02	
34 41 13 00-0098 LF INNERDUCT IN CONDUIT, 1-1/4".....	4.49	
<i>For 2 Pulled At Same Time, Deduct</i>	-1.69	
<i>For >2 Pulled At Same Time, Deduct</i>	-2.26	
34 41 13 00-0099 EA CABLE IN CONDUIT, With STEEL CONNECTION.....	7.57	
34 41 13 00-0100 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	2,025.20	
34 41 13 00-0101 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	1,097.22	
34 41 13 00-0102 EA Smart Sensor HD (Wavetronix HD125).....	5,749.95	
34 41 13 00-0103 EA Access Point (Sensys AP240-ES)..... Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	2,670.07	
34 41 13 00-0104 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	4,606.04	
34 41 13 00-0105 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	173.83	
34 41 13 00-0106 EA Repeater (Sensys RP240-B-LL)..... Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	1,224.15	
34 41 13 00-0107 EA Wireless Flush Mounted Sensor (Sensys VSN240-F)..... Note: Excludes coring.	563.75	
34 41 13 00-0108 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug.....	1,419.16	
34 41 13 00-0109 LF Signal Cable, 2-Conductor, A.W.G. #16.....	1.19	0.52
34 41 13 00-0110 LF Signal Cable, 3-Conductor, A.W.G. #16.....	1.33	0.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0111 LF Signal Cable, 4-Conductor, A.W.G. #16	1.47	0.60
34 41 13 00-0112 LF Signal Cable, 5-Conductor, A.W.G. #16	1.59	0.64
34 41 13 00-0113 LF Signal Cable, 6-Conductor, A.W.G. #16	1.75	0.67
34 41 13 00-0114 LF Signal Cable, 8-Conductor, A.W.G. #16	2.02	0.75
34 41 13 00-0115 LF Signal Cable, 12-Conductor, A.W.G. #16	2.72	0.97
34 41 13 00-0116 LF Signal Cable, 16-Conductor, A.W.G. #16	3.20	1.09
34 41 13 00-0117 LF Signal Cable, 20-Conductor, A.W.G. #16	3.77	1.20
34 41 13 00-0118 LF Signal Cable, 2-Conductor, A.W.G. #14	1.23	0.52
34 41 13 00-0119 LF Signal Cable, 3-Conductor, A.W.G. #14	1.38	0.56
34 41 13 00-0120 LF Signal Cable, 4-Conductor, A.W.G. #14	1.53	0.60
34 41 13 00-0121 LF Signal Cable, 5-Conductor, A.W.G. #14	1.67	0.64
34 41 13 00-0122 LF Signal Cable, 6-Conductor, A.W.G. #14	1.84	0.67
34 41 13 00-0123 LF Signal Cable, 8-Conductor, A.W.G. #14	2.15	0.75
34 41 13 00-0124 LF Signal Cable, 12-Conductor, A.W.G. #14	2.91	0.97
34 41 13 00-0125 LF Signal Cable, 16-Conductor, A.W.G. #14	3.45	1.09
34 41 13 00-0126 LF Signal Cable, 20-Conductor, A.W.G. #14	4.11	1.20
34 41 13 00-0127 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	4,078.38	1.20
34 41 13 00-0128 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	5,303.66	1.20
34 41 13 00-0129 EA Pole Base Foundation for Type 15 and 21 Poles.....	3,203.99	1.20
34 41 13 00-0130 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	4,078.38	1.20
34 41 13 00-0131 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles	5,303.66	1.20

34 41 13 00-0132 School Zone Flasher Beacons (34 41 13)

34 41 13 00-0133 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	2,996.72	139.90
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0134 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,017.61	139.90
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0135 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,372.19	139.90
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0136 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,439.02	139.90
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0137 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,261.63	139.90
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0138 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,523.54	139.90
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		

34 41 16 Traffic Control Equipment (34 41)

34 41 16 00-0001 EA CONTROLLER/SL/POLE MTD/1-PHASE/100A	6,823.24	
34 41 16 00-0002 EA CONTROLLER/SL/ON EMB POLE 1-PH/100A	6,897.94	
34 41 16 00-0003 EA CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	8,409.75	
34 41 16 00-0004 EA CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	9,996.84	
34 41 16 00-0005 EA CONTROLLER/SL/BASE MTD/1-PHASE/100A	8,224.34	
34 41 16 00-0006 EA CONTROLLER/SL/BASE MTD/1-PHASE/200A	9,118.53	
34 41 16 00-0007 EA CONTROLLER, TS, 12-BAY, "M" CABINET	15,020.28	
34 41 16 00-0008 EA CONTROLLER, TS, 12-BAY, "P" CABINET	15,986.39	
34 41 16 00-0009 EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	22,876.78	
34 41 16 00-0010 EA CONTROLLER, TS, 16-BAY, "P" CABINET	18,117.88	
34 41 16 00-0011 EA CONTROLLER, TS, POST-MTD, TEMP	2,912.78	
34 41 16 00-0012 EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	532.91	
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL.....	549.40	
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION	228.53	
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME.....	416.21	
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER	7,613.11	
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER.....	18,418.31	
34 41 16 00-0018 EA F.O. STAR MODEM	6,034.61	

34 70 Transportation Construction And Equipment (34)

34 71 Roadway Construction (34 70)

34 71 13 Vehicle Barriers (34 71)

34 71 13 13 Vehicle Median Barriers (34 71 13)

34 71 13 13-0001 Concrete Median Barrier (34 71 13 13)

34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	49.13	3.01
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	52.20	3.01
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	56.57	3.01
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	33.45	4.27
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	28.44	2.45

34 71 13 16 Vehicle Crash Barriers (34 71 13)

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 16-0001		
Impact Barrier, Non-Redirective (34 71 13 16)		
34 71 13 16-0002		
Sand Barrel Impact Attenuator (34 71 13 16-0001)		
Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel.....	472.84	38.29
Note: Includes containers, inserts, and lid.		
34 71 13 26 Vehicle Guide Rails (34 71 13)		
34 71 13 26-0001		
Corrugated Beam Guide Rail (34 71 13 26)		
34 71 13 26-0002		
Corrugated Beam Guide Railing (34 71 13 26-0001)		
34 71 13 26-0003		
Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0002)		
Note: Add additional length for back-up sections.		
34 71 13 26-0004 LF Corrugated Beam Guide Railing.....	6.46	1.61
34 71 13 26-0005 LF Corrugated Beam Guide Railing (Rustic).....	6.11	1.61
34 71 13 26-0006		
Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0002)		
Note: Add additional length for back-up sections.		
34 71 13 26-0007 LF Shop Curved Corrugated Beam Guide Railing.....	7.99	1.61
34 71 13 26-0008 LF Shop Curved Corrugated Beam Guide Railing (Rustic).....	7.68	1.61
34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing End.....	18.27	1.61
Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	17.23	1.61
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0011		
Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0001)		
34 71 13 26-0012 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	57.10	21.16
34 71 13 26-0013 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	59.18	21.16
34 71 13 26-0014 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	69.62	21.16
34 71 13 26-0015 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	71.70	21.16
34 71 13 26-0016 EA Corrugated Beam Guide Railing 225 Degree End Section.....	69.62	21.16
34 71 13 26-0017 EA Corrugated Rustic Beam Guide Railing 225 Degree End Section.....	71.70	21.16
34 71 13 26-0018		
Corrugated Beam Guide Rail Posts (34 71 13 26-0001)		
Note: Includes mounting hardware.		
34 71 13 26-0019 EA Standard Post For Corrugated Beam Guide Rail.....	47.64	10.70
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.85	
34 71 13 26-0020 EA Standard Post For (Rustic) Corrugated Beam Guide Rail.....	49.73	10.70
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.85	
34 71 13 26-0021 EA Extra Long Post for Corrugated Beam Guide Rail.....	51.82	10.70
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.85	
34 71 13 26-0022 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	53.90	10.70
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.85	
34 71 13 26-0023 EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	47.64	10.70
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.85	
34 71 13 26-0024 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	64.34	10.70
For Installation In Rock, Add	2.85	
34 71 13 26-0025		
Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0001)		
Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0026 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide.....	47.64	10.70
34 71 13 26-0027 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide.....	49.73	10.70
34 71 13 26-0028 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	51.82	10.70
34 71 13 26-0029 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	53.90	10.70
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0030 EA Type A Post 1630mm Post.....	46.60	10.70
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0031 EA Type A Post 1630mm Post (Rustic).....	48.69	10.70
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0032 EA Type B Post 1460mm.....	44.51	10.70
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033 EA Type B Post 1460mm (Rustic).....	46.60	10.70
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0034 EA Type C Post 1290mm.....	42.43	10.70
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0035 EA Type C Post 1290mm (Rustic).....	44.51	10.70
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0036 EA Breakaway Wood Or Steel Post In Steel Foundation Tube.....	152.30	10.70
34 71 13 26-0037 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	24.69	10.70
Note: For heavy post blocked out corrugated beam guide rail.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0038 Corrugated Beam Guide Rail Accessories <small>(34 71 13 26-0001)</small>		
34 71 13 26-0039 EA Triangular Mounting Brackets (Galvanized or rustic) For All Post Types A, B And C.....	52.92	24.05
34 71 13 26-0040 Corrugated Beam Guide Rail Repair for Existing Guide Rail <small>(34 71 13 26-0001)</small>		
Note: Includes associated hardware.		
34 71 13 26-0041 LF Remove And Store Corrugated Beam Guide Railing And Post.....	9.40	
34 71 13 26-0042 EA Install Stored Post For Corrugated Beam Guide Rail.....	32.06	
34 71 13 26-0043 LF Install Stored Corrugated Beam Guide Railing And Post.....	5.46	
34 71 13 26-0044 Corrugated Thrie Beam Guide Railing <small>(34 71 13 26-0001)</small>		
34 71 13 26-0045 Corrugated Thrie Beam Guide Railing. Straight Sections <small>(34 71 13 26-0044)</small>		
Note: Add additional length for back-up sections.		
34 71 13 26-0046 LF Corrugated Thrie Beam Guide Railing.....	13.35	2.02
34 71 13 26-0047 LF Corrugated Thrie Beam Guide Railing (Rustic).....	13.99	2.02
34 71 13 26-0048 Corrugated Thrie Beam Guide Railing. Shop Curved <small>(34 71 13 26-0044)</small>		
Note: Add additional length for back-up sections.		
34 71 13 26-0049 LF Shop Curved Corrugated Thrie Beam Guide Railing.....	15.90	2.02
34 71 13 26-0050 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	16.53	2.02
34 71 13 26-0051 Corrugated Thrie Beam Guide Rail Posts <small>(34 71 13 26-0044)</small>		
Note: Includes hardware for mounting.		
34 71 13 26-0052 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	48.60	2.02
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For 32" Soil Plate, Add</i>		
	7.00	
34 71 13 26-0053 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail.....	50.69	2.02
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For 32" Soil Plate, Add</i>		
	7.00	
34 71 13 26-0054 Timber Guide Rails <small>(34 71 13 26)</small>		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0055 Timber Guide Rail Posts <small>(34 71 13 26-0054)</small>		
34 71 13 26-0056 EA 6" x 8" Timber Guide Rail Post.....	59.97	8.02
34 71 13 26-0057 EA 6" x 9" Timber Guide Rail Post.....	67.92	8.02
34 71 13 26-0058 EA 10" x 10" Timber Guide Rail Post.....	130.22	8.02
34 71 13 26-0059 EA 10" x 12" Timber Guide Rail Post.....	137.65	8.02
34 71 13 26-0060 EA 12" x 12" Timber Guide Rail Post.....	158.83	8.02
34 71 13 26-0061 Timber Guide Rails <small>(34 71 13 26-0054)</small>		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0062 LF 4" x 9" Timber Guide Rail.....	7.43	0.97
34 71 13 26-0063 LF 6" x 10" Timber Guide Rail.....	10.29	0.97
34 71 13 26-0064 LF 6" x 12" Timber Guide Rail.....	11.97	0.97
34 71 13 26-0065 Spacer Blocks For Timber Guide Rails <small>(34 71 13 26-0054)</small>		
34 71 13 26-0066 EA 4" x 9" Spacer Block For Timber Guide Rails.....	9.68	1.28
34 71 13 26-0067 EA 6" x 8" Spacer Block For Timber Guide Rails.....	11.05	1.28
34 71 13 26-0068 EA 8" x 8" Spacer Block For Timber Guide Rails.....	12.80	1.28
34 71 13 26-0069 Weathering Steel Backup Plates For Timber Guide Rails <small>(34 71 13 26-0054)</small>		
34 71 13 26-0070 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	13.07	0.80
34 71 13 26-0071 Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0054)</small>		
34 71 13 26-0072 EA Weathering Steel Splice Plate For Timber Guide Rails.....	93.26	11.23
34 71 13 26-0073 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	58.91	8.02
34 71 13 26-0074 Cable Guide Rail <small>(34 71 13 26)</small>		
34 71 13 26-0075 Cable Guide Rail <small>(34 71 13 26-0074)</small>		
34 71 13 26-0076 LF Cable (Each Cable).....	4.09	1.73
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0077 EA Cable Splice With Wedges.....	78.63	12.02
34 71 13 26-0078 Cable Guide Rail Posts <small>(34 71 13 26-0074)</small>		
Note: Includes hardware for cable mounting.		
34 71 13 26-0079 EA Standard Post for Cable Guide Rail.....	78.85	35.67
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	9.51	

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0080 EA Standard Post (Rustic) for Cable Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	80.93 -5.00 9.51	35.67
34 71 13 26-0081 EA Extra Long Post for Cable Guide Rail <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	80.93 -5.00 9.51	35.67
34 71 13 26-0082 EA Extra Long Post (Rustic) for Cable Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	83.02 -5.00 9.51	35.67
34 71 13 26-0083 EA Slip Impact Post Top for Anchor Unit.....	44.07	14.26
34 71 13 26-0084 EA Slip Impact Post Base and Keeper Plate Note: For anchor unit.	96.23	14.26
34 71 13 26-0085 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0074)		
34 71 13 26-0086 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	285.12	160.64
34 71 13 26-0087 EA Turnbuckle Cable End Assembly.....	52.44	8.04
34 71 13 26-0088 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	151.38	3.99
34 71 13 26-0089 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	155.55	3.99
34 71 13 26-0090 EA Breakaway Anchor Angle.....	64.96	8.04
34 71 13 26-0091 EA Standard End Post Cap Assembly.....	30.36	3.99
34 71 13 26-0092 EA Driveway End Post Cap Assembly.....	26.18	3.99
34 71 13 26-0093 EA End Post Ground Support Plates.....	15.75	3.99
34 71 13 26-0094 EA 11" Stud Bolt, Cable Guide Rail.....	14.19	3.99
34 71 13 26-0095 EA 18" Stud Bolt, Cable Guide Rail.....	16.27	3.99
34 71 13 26-0096 EA 25" Stud Bolt, Cable Guide Rail.....	18.36	3.99
34 71 13 26-0097 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail	135.90	8.04
34 71 13 26-0098 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail	144.25	8.04
34 71 13 26-0099 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	98.34	8.04
34 71 13 26-0100 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	59.57	3.99
34 71 13 26-0101 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	64.96	8.04
34 71 13 26-0102 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	72.37	12.02
34 71 13 26-0103 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0074)		
34 71 13 26-0104 EA Turnbuckle Cable End Assembly..... Note: For use with slip impact post.	113.95	11.91
34 71 13 26-0105 EA Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	214.10	11.91
34 71 13 26-0106 EA Anchor Angle For Slip Impact Post System	70.13	11.91
34 71 13 26-0107 EA Cable End Assembly Rod..... Note: Includes cable end, threaded rod and keeper to anchor angle.	59.70	11.91
34 71 13 26-0108 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0074)		
34 71 13 26-0109 LF Retention Existing Cable (Each Cable).....	1.07	
34 71 13 26-0110 LF Remove and Store Cable Guide Railing.....	6.45	
34 71 13 26-0111 EA Install Stored Post For Cable Guide Railing.....	47.55	
34 71 13 26-0112 LF Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	2.85	
34 71 13 26-0113 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0114 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0113)		
34 71 13 26-0115 Straight Sections, Box Beam Guide Rail (34 71 13 26-0114)		
34 71 13 26-0116 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. <i>For Flush Mounting Directly To Structure, Add</i>	15.74 1.83	2.02
34 71 13 26-0117 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices. <i>For Flush Mounting Directly To Structure, Add</i>	17.65 1.83	2.02
34 71 13 26-0118 Shop Curved, Box Beam Guide Rail (34 71 13 26-0114)		
34 71 13 26-0119 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	23.05 2.44 1.83	2.02
34 71 13 26-0120 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	24.96 2.44 1.83	2.02
34 71 13 26-0121 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0113)		
34 71 13 26-0122 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	240.71	24.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0123 EA Box Beam End Piece Guide Railing Section (Rustic)	263.66	24.05
Note: Excludes splices.		
34 71 13 26-0124 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	228.19	24.05
Note: Excludes splices.		
34 71 13 26-0125 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	236.54	24.05
Note: Excludes splices.		
34 71 13 26-0126 Splices For Box Beam Guide Rail (34 71 13 26-0113)		
34 71 13 26-0127 EA Splice For Box Beam Guide Rail	102.69	35.69
34 71 13 26-0128 EA Splice For Box Beam Guide Rail (Rustic).....	117.29	35.69
34 71 13 26-0129 Box Beam Guide Rail Posts (34 71 13 26-0113)		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0130 EA Standard Post For Box Beam Guide Rail	80.93	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0131 EA Standard Post (Rustic) for Box Beam Guide Railing.....	83.02	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0132 EA Extra Long Post For Box Beam Guide Rail.....	85.11	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0133 EA Extra Long Post (Rustic) For Box Beam Guide Rail	87.19	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0134 EA Type I End Assembly Post.....	78.85	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0135 EA Type I End Assembly Post (Rustic)	80.93	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0136 EA Type II End Assembly Post.....	76.76	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0137 EA Type II End Assembly Post (Rustic)	78.85	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0138 Box Beam Guide Rail Accessories (34 71 13 26-0113)		
34 71 13 26-0139 EA Box Beam Guide Rail End Cover Plate	34.66	7.22
34 71 13 26-0140 EA Box Beam Guide Rail End Cover Plate (Rustic)	36.74	7.22
34 71 13 26-0141 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0113)		
Note: For existing guide rail.		
34 71 13 26-0142 LF Remove And Store Box Beam Guide Rail And Post.....	3.17	
34 71 13 26-0143 LF Reset Box Beam Guide Rail	9.24	
34 71 13 26-0144 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0145 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0144)		
34 71 13 26-0146 Straight Sections, Box Beam Median Barrier (34 71 13 26-0145)		
34 71 13 26-0147 LF Box Beam Median Barrier Galvanized Excludes Splices.....	29.65	7.22
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0148 LF Box Beam Median Barrier (Rustic) Excludes Splices	31.56	7.22
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0149 Shop Curved, Box Beam Median Barrier (34 71 13 26-0145)		
34 71 13 26-0150 LF Shop Curved Box Beam Median Barrier Galvanized.....	34.67	7.22
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0151 LF Shop Curved Box Beam Median Barrier Rustic.....	40.93	7.22
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0152 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0144)		
Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0153 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized.....	739.38	24.05
Note: Excludes splices and post.		
34 71 13 26-0154 EA Box Beam Median Barrier Type A End Treatment Section (Rustic).....	756.08	24.05
Note: Excludes splices and post.		
34 71 13 26-0155 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized.....	739.38	24.05
Note: Excludes splices and post.		

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0156 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	756.08	24.05
34 71 13 26-0157 Splices For Box Beam Median Barrier (34 71 13 26-0144)		
34 71 13 26-0158 EA Splice for Box Beam Median Barrier	71.55	19.24
34 71 13 26-0159 EA Splice for Box Beam Median Barrier (Rustic).....	102.85	19.24
34 71 13 26-0160 Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0144) Note: Includes all associated hardware.		
34 71 13 26-0161 EA Standard Post for Box Beam Median Barrier	80.93	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0162 EA Standard Post (Rustic) for Box Beam Median Barrier.....	83.02	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0163 EA Extra Long Post for Box Beam Median Barrier	85.11	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0164 EA Extra Long Post (Rustic) for Box Beam Median Barrier	87.19	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0165 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier.	76.76	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0166 EA Type B End Treatment or Rub Back Anchor Post (Rustic)	76.76	35.67
Note: For box beam median barrier.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0167 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete	85.11	35.67
Note: For median barrier transition.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0168 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier..... Note: For Concrete median barrier transition.	87.19	35.67
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.51	
34 71 13 26-0169 Box Beam Median Barrier Accessories (34 71 13 26-0144)		
34 71 13 26-0170 EA Box Beam Median Barrier End Cover Plate.....	51.73	16.93
34 71 13 26-0171 EA Box Beam Median Barrier End Cover Plate (Rustic).....	53.82	16.93
34 71 13 26-0172 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0144) Note: For existing guide rail.		
34 71 13 26-0173 LF Remove and Store Box Beam Median Barrier and Posts	3.27	
34 71 13 26-0174 LF Reset Box Beam Median Barrier.....	9.68	
34 71 13 26-0175 Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0176 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0175) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0177 CY Guide Rail Concrete Anchor Unit.....	514.29	
For Each Additional Set Of Anchor Rods, Add	38.00	
34 71 13 26-0178 EA Reset Existing Anchorage Unit for All Types of Guide Rail	367.72	
Note: Includes excavation and backfill.		
34 71 13 26-0179 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0175) Note: All tasks include associated hardware.		
34 71 13 26-0180 EA Straighten And Reset Post Mounted On Concrete For Guide Rail..... Note: With base plate for guide rail. Includes new anchor bolts.	50.55	
34 71 13 26-0181 Additional Wood and Steel Posts (34 71 13 26-0175)		
34 71 13 26-0182 LF 4" x 6" Wood Post.....	25.79	11.92
For Installation In Rock, Add	3.18	
34 71 13 26-0183 LF 6" x 8" Wood Post	28.92	11.92
For Installation In Rock, Add	3.18	
34 71 13 26-0184 LF 6" x 7/8" Steel Post Galvanized	21.79	11.92
For Installation In Rock, Add	3.18	
34 71 13 26-0185 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	156.21	11.91
34 71 13 26-0186 Accessories For All Types of Guide Rail (34 71 13 26-0175)		
34 71 13 26-0187 EA Reflector, Guard Rail	15.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0188 Individual Concrete Posts <small>(34 71 13 26)</small>		
34 71 13 26-0189 EA 6'-5" Concrete Posts, Round.....	65.62	5.32
34 71 13 26-0190 EA 6'-5" Concrete Posts, Square.....	73.40	5.99
34 71 13 26-0191 EA 6'-5" Concrete Posts, Triangular.....	71.48	5.99
34 71 13 26-0192 Guide Rail Transitions <small>(34 71 13 26)</small>		
34 71 13 26-0193 Transition Box Beam Guide Rail To Corrugated Beam <small>(34 71 13 26-0192)</small>		
34 71 13 26-0194 EA Box Beam To Corrugated Beam Rail Bolted Section.....	339.37	
34 71 13 26-0195 EA Box Beam To Corrugated Beam Rail Bolted Plate	255.91	
Note: For making cable connections.		
34 71 13 26-0196 Transition Box Beam Median Barrier To Corrugated Beam Median <small>(34 71 13 26-0192)</small>		
34 71 13 26-0197 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	343.54	
34 71 13 26-0198 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	255.91	
Note: For making cable connections.		
34 71 13 26-0199 Transition Box Beam Guide Rail To Cable Guide Rail <small>(34 71 13 26-0192)</small>		
34 71 13 26-0200 EA Box Beam to Cable Guide Rail U-bolt And Plate	42.27	12.82
34 71 13 26-0201 Transition Box Beam Median Barrier To Concrete Median Barrier <small>(34 71 13 26-0192)</small>		
34 71 13 26-0202 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	422.83	
34 71 13 26-0203 Transition Thrie Beam To Concrete Median Barrier <small>(34 71 13 26-0192)</small>		
34 71 13 26-0204 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	318.50	
34 71 13 26-0205 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	370.67	
34 71 16 Impact Attenuating Devices <small>(34 71)</small>		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals <small>(34 71 16)</small>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	17,101.41	2,575.32
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	23,435.07	3,433.77
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	31,586.92	4,506.82
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	36,368.93	5,579.87
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	18,688.82	2,897.24
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	25,652.11	3,862.99
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	34,872.19	5,150.65
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	40,655.00	6,223.70
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	20,286.47	3,219.16
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	27,878.84	4,292.21
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	37,719.22	5,687.18
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	44,930.14	6,867.53
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	22,089.54	3,541.07
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	30,185.53	4,721.43
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	40,885.00	6,223.70
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	48,544.34	7,511.37
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	23,922.11	3,862.99
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	32,527.19	5,150.65
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	44,550.14	6,867.53
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	52,221.76	8,155.20
34 71 19 Vehicle Delineators <small>(34 71)</small>		
34 71 19 16 Flexible Vehicle Delineators <small>(34 71 19)</small>		
34 71 19 16-0001 EA 3' High, 3" Diameter Flexible Fixed Stanchion, Folding Barrier With Individual Padlocks.....	125.22	13.31

34 Transportation

34 70 Transportation Construction And Equipment

34 71 Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 19 16-0002 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	45.14	6.66

END OF SECTION 34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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35 Waterway and Marine Construction

35 01 Operation And Maintenance Of Waterway and Marine Construction ⁽³⁵⁾

35 01 70 Operation And Maintenance Of Dams ^(35 01)

35 01 70 00-0001		Drilling And Pressure Grouting ^(35 01 70)		
35 01 70 00-0002		From Top Of The Dam ^(35 01 70 00-0001)		
35 01 70 00-0003	LF	Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole.....	63.00	
35 01 70 00-0004	LF	Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole.....	75.08	
35 01 70 00-0005	LF	Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam.....	89.39	
35 01 70 00-0006	EA	Pressure Grout, Hydraulic Pressure Test Top Of Dam.....	456.61	
35 01 70 00-0007	EA	Pressure Grout, Grout Hook-Up Top Of Dam.....	251.90	
35 01 70 00-0008	CWT	Pressure Grout, Portland Cement Top Of Dam.....	37.11	
35 01 70 00-0009	CWT	Pressure Grout, Fluidifier In Grout Top Of Dam.....	109.04	
35 01 70 00-0010	CF	Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam.....	87.57	
35 01 70 00-0011		Large Diameter Holes - Rotary Drilled ^(35 01 70 00-0001)		
35 01 70 00-0012		From Top Of The Dam ^(35 01 70 00-0011)		
35 01 70 00-0013	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical.....	101.41	
35 01 70 00-0014	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined.....	110.93	
35 01 70 00-0015	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical.....	156.11	
35 01 70 00-0016	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined.....	174.10	

35 05 Common Work Results for Waterway and Marine Construction ⁽³⁵⁾

35 05 70 Common Work Results for Dams ^(35 05)

35 05 70 00-0001		Rubber Dam Repair ^(35 05 70)		
35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes).....	24.60	
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage).....	48.06	
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage).....	71.22	
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material.....	78.89	

35 20 Waterway and Marine Construction and Equipment ⁽³⁵⁾

35 20 16 Hydraulic Gates ^(35 20)

35 20 16 26 Hydraulic Sluice Gates ^(35 20 16)

35 20 16 26-0001 Heavy Duty Cast Iron Sluice Gates Self Contained ^(35 20 16 26)

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.				
35 20 16 26-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	8,096.01	894.61
		For Electric Motor Operated Valve, Add	1,028.93	
35 20 16 26-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	11,586.48	1,341.95
		For Electric Motor Operated Valve, Add	1,118.39	
35 20 16 26-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	13,961.85	1,491.10
		For Electric Motor Operated Valve, Add	1,148.21	
35 20 16 26-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	16,030.59	1,677.45
		For Electric Motor Operated Valve, Add	1,185.49	
35 20 16 26-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	17,985.41	1,917.08
		For Electric Motor Operated Valve, Add	1,233.42	
35 20 16 26-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	21,199.48	2,683.91
		For Electric Motor Operated Valve, Add	1,386.78	
35 20 16 26-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	33,982.91	4,061.61
		For Electric Motor Operated Valve, Add	1,662.32	
35 20 16 26-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	42,271.83	6,709.77
		For Electric Motor Operated Valve, Add	2,191.96	
35 20 16 26-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	48,505.95	6,709.77
		For Electric Motor Operated Valve, Add	2,191.96	
35 20 16 26-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	53,338.67	8,922.56
		For Electric Motor Operated Valve, Add	2,634.51	
35 20 16 26-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	59,673.93	8,922.56
		For Electric Motor Operated Valve, Add	3,034.51	
35 20 16 26-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	75,931.53	13,419.55
		For Electric Motor Operated Valve, Add	3,933.91	
35 20 16 26-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	75,091.99	7,534.54
		For Electric Motor Operated Valve, Add	2,756.91	
35 20 16 26-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	84,448.37	7,534.54
		For Electric Motor Operated Valve, Add	2,756.91	

35 Waterway and Marine Construction
35 20 Waterway and Marine Construction and Equipment
35 20 16 Hydraulic Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 26-0016	EA		108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	107,316.43 3,253.87	10,019.35
35 20 16 26-0017	EA		120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	138,089.16 4,263.82	15,069.09
35 20 16 26-0018	EA		132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	164,986.14 4,263.82	15,069.09
35 20 16 61 Other Hydraulic Gates (35 20 16)					
35 20 16 61-0001 Steel Slide Gates Self Contained (35 20 16 61)					
Note: Includes anchors and bolts.					
35 20 16 61-0002	EA		12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	2,779.03 917.10	335.49
35 20 16 61-0003	EA		18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	3,716.58 926.68	383.42
35 20 16 61-0004	EA		24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	4,238.70 939.46	447.35
35 20 16 61-0005	EA		30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	5,122.84 957.36	536.78
35 20 16 61-0006	EA		36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	6,558.98 984.20	670.98
35 20 16 61-0007	EA		42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	7,666.01 1,028.93	894.61
35 20 16 61-0008	EA		48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	10,486.71 1,118.39	1,341.95
35 20 16 61-0009	EA		54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	15,991.78 1,185.49	1,677.45
35 20 16 61-0010	EA		60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	20,761.09 1,386.78	2,683.91
35 20 16 61-0011	EA		72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	26,246.75 1,744.64	4,473.22
35 20 16 61-0012	SF		Over 36 SF Steel Slide Gates Self Contained Including Anchor <i>For Electric Motor Operated Valve, Add</i>	728.03 1,574.73	123.65
35 20 16 61-0013 Cast Iron Canal Gates (35 20 16 61)					
35 20 16 61-0014	EA		12" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	1,148.83 917.10	335.49
35 20 16 61-0015	EA		18" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	1,553.26 926.68	383.42
35 20 16 61-0016	EA		20" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	1,754.22 933.87	419.36
35 20 16 61-0017	EA		24" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	2,031.96 939.46	447.35
35 20 16 61-0018	EA		30" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	2,909.15 957.36	536.78
35 20 16 61-0019	EA		36" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	3,595.43 984.20	670.98
35 20 16 61-0020	EA		42" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	5,788.41 1,028.93	894.61
35 20 16 61-0021	EA		48" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	7,755.13 1,118.39	1,341.95
35 20 16 61-0022	EA		54" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	10,780.09 1,185.49	1,677.45
35 20 16 61-0023	EA		60" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	14,417.01 1,386.78	2,683.91
35 20 16 61-0024	EA		66" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	19,581.78 1,520.98	3,354.88
35 20 16 61-0025	EA		72" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	24,258.78 1,744.64	4,473.22
35 20 16 61-0026 Aluminum Flap Gates (35 20 16 61)					
35 20 16 61-0027	EA		18" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	2,583.25 917.10	335.49
35 20 16 61-0028	EA		20" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	2,875.70 921.89	359.45
35 20 16 61-0029	EA		24" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	3,165.57 926.68	383.42
35 20 16 61-0030	EA		30" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	3,750.28 939.46	447.35
35 20 16 61-0031	EA		36" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	4,642.79 957.36	536.78
35 20 16 61-0032	EA		42" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	6,052.08 984.20	670.98
35 20 16 61-0033	EA		48" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	7,643.00 1,028.93	894.61
35 20 16 61-0034	EA		54" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	10,793.94 1,118.39	1,341.95
35 20 16 61-0035	EA		60" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	14,000.25 1,233.42	1,917.08
35 20 16 61-0036	EA		66" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	18,161.09 1,386.78	2,683.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 61-0037 EA 72" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	22,425.01 1,744.64	4,473.22
 35 20 16 61-0038 Steel Knife Gates Including Handwheel Operator <small>(35 20 16 61)</small>		
Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 20 16 61-0039 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,402.48 871.96	109.79
35 20 16 61-0040 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,890.45 875.62	128.07
35 20 16 61-0041 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,653.57 888.43	192.15
35 20 16 61-0042 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,310.85 901.24	256.22
35 20 16 61-0043 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	4,066.52 904.90	274.49
35 20 16 61-0044 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	5,279.19 909.12	295.59
35 20 16 61-0045 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	7,039.82 911.49	307.43
35 20 16 61-0046 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	8,810.85 919.87	349.39
35 20 16 61-0047 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	11,311.86 926.86	384.29
35 20 16 61-0048 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	20,635.85 952.48	512.35
35 20 16 61-0049 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	27,433.10 1,003.71	768.57
 35 20 16 61-0050 Steel Hollow Jet Flow Gate Valve <small>(35 20 16 61)</small>		
35 20 16 61-0051 EA 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,329.14 876.84	134.19
35 20 16 61-0052 EA 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,059.17 881.35	156.72
35 20 16 61-0053 EA 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,471.58 896.97	234.84
35 20 16 61-0054 EA 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,150.67 912.60	312.96
35 20 16 61-0055 EA 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	4,745.62 917.10	335.49
35 20 16 61-0056 EA 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	5,725.03 922.27	361.37
35 20 16 61-0057 EA 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	9,628.86 925.15	375.75
35 20 16 61-0058 EA 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	12,111.22 935.41	427.03
35 20 16 61-0059 EA 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	17,422.02 943.95	469.69
35 20 16 61-0060 EA 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	21,340.24 975.28	626.40
35 20 16 61-0061 EA 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	30,451.83 1,037.84	939.36
35 20 16 61-0062 EA 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	36,291.61 1,480.10	1,150.25
35 20 16 61-0063 EA 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	43,035.58 1,518.39	1,341.95
35 20 16 61-0064 EA 54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	56,678.09 1,585.49	1,677.45
35 20 16 61-0065 EA 60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	63,119.78 1,652.75	2,012.93
35 20 16 61-0066 EA 66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	80,543.73 1,806.37	2,779.76
 35 20 16 61-0067 Steel Dish Head Valve <small>(35 20 16 61)</small>		
35 20 16 61-0068 EA 12" Diameter Dish Head Valve	1,681.95	335.49
35 20 16 61-0069 EA 18" Diameter Dish Head Valve	2,430.64	383.42
35 20 16 61-0070 EA 20" Diameter Dish Head Valve	2,800.05	419.36
35 20 16 61-0071 EA 24" Diameter Dish Head Valve	3,300.82	447.35
35 20 16 61-0072 EA 30" Diameter Dish Head Valve	4,957.03	536.78
35 20 16 61-0073 EA 36" Diameter Dish Head Valve	6,109.54	670.98
35 20 16 61-0074 EA 42" Diameter Dish Head Valve	10,250.06	894.61
35 20 16 61-0075 EA 48" Diameter Dish Head Valve	13,412.85	1,341.95
35 20 16 61-0076 EA 54" Diameter Dish Head Valve	19,064.05	1,677.45
35 20 16 61-0077 EA 60" Diameter Dish Head Valve	24,512.77	2,683.91
35 20 16 61-0078 EA 66" Diameter Dish Head Valve	33,942.47	3,354.88
35 20 16 61-0079 EA 72" Diameter Dish Head Valve	41,342.09	4,473.22
 35 20 19 Hydraulic Valves <small>(35 20)</small>		
35 20 19 13 Hydraulic Butterfly Valves <small>(35 20 19)</small>		

35	Waterway and Marine Construction
35 20	Waterway and Marine Construction and Equipment
35 20 19	Hydraulic Valves



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 19 13-0001 IN Butterfly Valve, Cast Iron, Custom Made, >54" Diameter, Per Inch Of Diameter Of Valve.....	710.68	71.89
35 20 23 Dredging <small>(35 20)</small>		
35 20 23 13 Mechanical Dredging <small>(35 20 23)</small>		
35 20 23 13-0001 Dredging, Barge Mounted <small>(35 20 23 13)</small>		
See CSI section 01 74 19 00-0035 for hauling material from shore or barge, 31 23 16 33-0019 for loading.		
35 20 23 13-0002 CY Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles	18.22	
Note: Includes tugboat to move scows or barge.		
35 20 23 13-0003 CY Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore.....	16.39	
Note: Includes tugboat to move barge.		
35 20 23 13-0004 CY Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles.....	18.15	
Note: Includes tugboat to move scows or barge.		
35 20 23 13-0005 CY Hydraulic Dredge Excavation, Pumped 1,000' To Shore	15.22	
Note: Includes tugboat to move barge.		
35 20 23 13-0006 EA Dredge Excavation Mobilization And Demobilization.....	16,389.47	
<i>For Inlet Rivers And Canals, Deduct</i>		
	-4,097.37	
35 20 23 23 Hydraulic Dredging <small>(35 20 23)</small>		
35 20 23 23-0001 Dredging, Shoreline Excavators <small>(35 20 23 23)</small>		
35 20 23 23-0002 CY Back Hoe, 1 CY Bucket, Dredging From Shore	10.71	
35 20 23 23-0003 CY Hydraulic Excavator, 2 CY Bucket, Dredging From Shore.....	7.18	

END OF SECTION 35



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 23 Stainless Steel Process Pipe and Tubing ^(40 05)

40 05 23 43 Stainless Steel Process Pipe ^(40 05 23)

40 05 23 43-0001	Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly ^(40 05 23)		
	<small>Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.</small>		
40 05 23 43-0002	LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 22.97		6.66
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	2.49	
	<i>For Work In Restricted Working Space, Add</i>	4.02	
40 05 23 43-0003	LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 25.95		7.64
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	2.61	
	<i>For Work In Restricted Working Space, Add</i>	4.77	
40 05 23 43-0004	LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 30.22		8.62
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	3.06	
	<i>For Work In Restricted Working Space, Add</i>	5.54	
40 05 23 43-0005	LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 34.71		10.41
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	3.86	
	<i>For Work In Restricted Working Space, Add</i>	5.96	
40 05 23 43-0006	LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 38.31		10.70
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	4.42	
	<i>For Work In Restricted Working Space, Add</i>	6.39	
40 05 23 43-0007	LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 46.41		14.14
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	5.39	
	<i>For Work In Restricted Working Space, Add</i>	7.70	
40 05 23 43-0008	LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 67.46		17.44
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	9.27	
	<i>For Work In Restricted Working Space, Add</i>	9.54	
40 05 23 43-0009	LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 85.33		20.21
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Type 316, Add</i>	12.07	
	<i>For Work In Restricted Working Space, Add</i>	11.67	
40 05 23 43-0010	LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly 116.24		20.21
	<small>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</small>		
	<i>For Work In Restricted Working Space, Add</i>	14.81	

40 05 23 43-0011 Stainless Steel Tubing And Fittings ^(40 05 23 43)

40 05 23 43-0012 Type 304 Tubing ^(40 05 23 43-0011)

40 05 23 43-0013 0.035" Wall ^(40 05 23 43-0012)

40 05 23 43-0014	LF 1/4" Stainless Steel Tubing, Type 304, 0.035" Wall 5.33		2.20
	<i>For Work In Restricted Working Space, Add</i>	1.31	
40 05 23 43-0015	LF 3/8" Stainless Steel Tubing, Type 304, 0.035" Wall 6.25		2.60
	<i>For Work In Restricted Working Space, Add</i>	1.57	
40 05 23 43-0016	LF 1/2" Stainless Steel Tubing, Type 304, 0.035" Wall 7.41		3.09
	<i>For Work In Restricted Working Space, Add</i>	1.83	
40 05 23 43-0017	LF 5/8" Stainless Steel Tubing, Type 304, 0.035" Wall 10.94		3.49
	<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0018	LF 3/4" Stainless Steel Tubing, Type 304, 0.035" Wall 12.81		3.91
	<i>For Work In Restricted Working Space, Add</i>	2.36	
40 05 23 43-0019	LF 7/8" Stainless Steel Tubing, Type 304, 0.035" Wall 14.19		4.39
	<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0020	LF 1" Stainless Steel Tubing, Type 304, 0.035" Wall 16.13		5.29
	<i>For Work In Restricted Working Space, Add</i>	3.15	

40 05 23 43-0021 0.049" Wall ^(40 05 23 43-0012)

40 05 23 43-0022	LF 1/4" Stainless Steel Tubing, Type 304, 0.049" Wall 8.11		2.60
	<i>For Work In Restricted Working Space, Add</i>	1.57	
40 05 23 43-0023	LF 3/8" Stainless Steel Tubing, Type 304, 0.049" Wall 9.14		3.09
	<i>For Work In Restricted Working Space, Add</i>	1.83	
40 05 23 43-0024	LF 1/2" Stainless Steel Tubing, Type 304, 0.049" Wall 10.85		3.49
	<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0025	LF 5/8" Stainless Steel Tubing, Type 304, 0.049" Wall 13.69		4.39
	<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0026	LF 3/4" Stainless Steel Tubing, Type 304, 0.049" Wall 15.85		5.29
	<i>For Work In Restricted Working Space, Add</i>	3.15	
40 05 23 43-0027	LF 7/8" Stainless Steel Tubing, Type 304, 0.049" Wall 17.98		6.10
	<i>For Work In Restricted Working Space, Add</i>	3.67	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0028	LF		1" Stainless Steel Tubing, Type 304, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	20.67 4.17	6.91
40 05 23 43-0029			0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030	LF		1/4" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	9.46 1.83	3.09
40 05 23 43-0031	LF		3/8" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	10.87 2.09	3.49
40 05 23 43-0032	LF		1/2" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	13.45 2.62	4.39
40 05 23 43-0033	LF		5/8" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	15.89 3.15	5.29
40 05 23 43-0034	LF		3/4" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	18.69 3.67	6.10
40 05 23 43-0035	LF		7/8" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	21.42 4.17	6.91
40 05 23 43-0036	LF		1" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	24.14 4.69	7.81
40 05 23 43-0037			Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038			90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039	EA		1/4" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	29.71 5.24	8.78
40 05 23 43-0040	EA		3/8" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	34.55 5.74	9.60
40 05 23 43-0041	EA		1/2" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	49.32 6.50	10.82
40 05 23 43-0042	EA		5/8" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	53.11 7.28	12.12
40 05 23 43-0043	EA		3/4" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	59.06 7.87	13.09
40 05 23 43-0044	EA		7/8" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	78.08 8.72	14.55
40 05 23 43-0045	EA		1" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	98.53 10.38	17.32
40 05 23 43-0046			Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047	EA		1/4" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	46.57 7.87	13.09
40 05 23 43-0048	EA		3/8" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	55.43 8.72	14.55
40 05 23 43-0049	EA		1/2" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	72.99 9.76	16.27
40 05 23 43-0050	EA		5/8" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	79.28 11.09	18.46
40 05 23 43-0051	EA		3/4" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	98.40 11.90	19.84
40 05 23 43-0052	EA		7/8" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	149.07 13.19	21.96
40 05 23 43-0053	EA		1" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	178.57 15.74	26.27
40 05 23 43-0054			Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055	EA		1/4" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	44.95 7.87	13.09
40 05 23 43-0056	EA		3/8" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	56.34 8.72	14.55
40 05 23 43-0057	EA		1/2" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	73.59 9.76	16.27
40 05 23 43-0058	EA		5/8" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	88.68 11.09	18.46
40 05 23 43-0059	EA		3/4" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	104.12 11.90	19.84
40 05 23 43-0060	EA		7/8" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	153.63 13.19	21.96
40 05 23 43-0061	EA		1" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	165.65 15.74	26.27
40 05 23 43-0062			Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063	EA		1/4" x 1/4" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	23.91 5.24	8.78
40 05 23 43-0064	EA		3/8" x 3/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	28.86 5.74	9.60
40 05 23 43-0065	EA		1/2" x 1/2" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	36.22 6.50	10.82
40 05 23 43-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	40.76 7.28	12.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0067 EA 3/4" x 3/4" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	48.09 7.87	13.09
40 05 23 43-0068 EA 7/8" x 7/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	68.46 8.72	14.55
40 05 23 43-0069 EA 1" x 1" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	73.28 10.38	17.32
40 05 23 43-0070 Type 304 Valves (40 05 23 43-0011)		
40 05 23 43-0071 Gate Valves (40 05 23 43-0070)		
40 05 23 43-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	155.70 7.10	13.09
40 05 23 43-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	262.98 7.48	15.37
40 05 23 43-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	272.66 10.38	17.32
40 05 23 43-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	302.20 11.90	19.84
40 05 23 43-0076 EA 1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	276.74 15.74	26.27
40 05 23 43-0077 Globe Valves (40 05 23 43-0070)		
40 05 23 43-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	157.86 7.10	13.09
40 05 23 43-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	103.91 7.48	15.37
40 05 23 43-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	187.10 10.38	17.32
40 05 23 43-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	208.23 11.90	19.84
40 05 23 43-0082 EA 1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	303.98 15.74	26.27
40 05 23 43-0083 Check Valves (40 05 23 43-0070)		
40 05 23 43-0084 EA 1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	221.42 7.10	13.09
40 05 23 43-0085 EA 3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	222.67 7.48	15.37
40 05 23 43-0086 EA 1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	145.14 10.38	17.32
40 05 23 43-0087 EA 3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	151.81 11.90	19.84
40 05 23 43-0088 EA 1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	167.81 15.74	26.27
40 05 23 43-0089 Plug Valves (40 05 23 43-0070)		
40 05 23 43-0090 EA 1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	342.57 10.38	17.32
40 05 23 43-0091 EA 3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	375.01 11.90	19.84
40 05 23 43-0092 EA 1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	424.30 15.74	26.27
40 05 23 43-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	589.86 17.81	29.68
40 05 23 43-0094 EA 2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	767.95 24.40	40.66
40 05 23 43-0095 Type 316 Tubing (40 05 23 43-0011)		
40 05 23 43-0096 0.035" Wall (40 05 23 43-0095)		
40 05 23 43-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	5.48 1.31	2.20
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	6.97 1.57	2.60
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	7.85 1.83	3.09
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	12.10 2.09	3.49
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	13.72 2.36	3.91
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	16.98 2.62	4.39
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	18.29 3.15	5.29
40 05 23 43-0104 0.049" Wall (40 05 23 43-0095)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0105	LF		1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	8.73 1.57	2.60
40 05 23 43-0106	LF		3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	9.79 1.83	3.09
40 05 23 43-0107	LF		1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	11.46 2.09	3.49
40 05 23 43-0108	LF		5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	14.83 2.62	4.39
40 05 23 43-0109	LF		3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.26 3.15	5.29
40 05 23 43-0110	LF		7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	21.61 3.67	6.10
40 05 23 43-0111	LF		1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	22.57 4.17	6.91
40 05 23 43-0112			0.065" Wall (40 05 23 43-0095)		
40 05 23 43-0113	LF		1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	10.21 1.83	3.09
40 05 23 43-0114	LF		3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	11.44 2.09	3.49
40 05 23 43-0115	LF		1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	14.35 2.62	4.39
40 05 23 43-0116	LF		5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.13 3.15	5.29
40 05 23 43-0117	LF		3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	20.58 3.67	6.10
40 05 23 43-0118	LF		7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	22.82 4.17	6.91
40 05 23 43-0119	LF		1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	26.39 4.69	7.81
40 05 23 43-0120			Type 316 Tube Fittings (40 05 23 43-0011)		
40 05 23 43-0121			90 Degree Elbows (40 05 23 43-0120)		
40 05 23 43-0122	EA		1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	38.53 5.24	8.78
40 05 23 43-0123	EA		3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	45.68 5.74	9.60
40 05 23 43-0124	EA		1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	69.27 6.50	10.82
40 05 23 43-0125	EA		5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	73.92 7.28	12.12
40 05 23 43-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.76 7.87	13.09
40 05 23 43-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	113.48 8.72	14.55
40 05 23 43-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	144.67 10.38	17.32
40 05 23 43-0129			Union Tees (40 05 23 43-0120)		
40 05 23 43-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	61.25 7.87	13.09
40 05 23 43-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	74.47 8.72	14.55
40 05 23 43-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	102.21 9.76	16.27
40 05 23 43-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	109.84 11.09	18.46
40 05 23 43-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.81 11.90	19.84
40 05 23 43-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	224.95 13.19	21.96
40 05 23 43-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	269.62 15.74	26.27
40 05 23 43-0137			Unions (40 05 23 43-0120)		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	42.71 7.87	13.09
40 05 23 43-0139	EA		3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	53.08 8.72	14.55
40 05 23 43-0140	EA		1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	68.68 9.76	16.27
40 05 23 43-0141	EA		5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.49 11.09	18.46
40 05 23 43-0142	EA		3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	96.42 11.90	19.84
40 05 23 43-0143	EA		7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.52 13.19	21.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0144 EA 1" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	152.12 15.74	26.27
40 05 23 43-0145 Male Connectors (40 05 23 43-0120)		
40 05 23 43-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	28.46 5.24	8.78
40 05 23 43-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	35.73 5.74	9.60
40 05 23 43-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	46.51 6.50	10.82
40 05 23 43-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	52.41 7.28	12.12
40 05 23 43-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	63.54 7.87	13.09
40 05 23 43-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	96.32 8.72	14.55
40 05 23 43-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	100.62 10.38	17.32
40 05 23 43-0153 Type 316 Valves (40 05 23 43-0011)		
40 05 23 43-0154 Gate Valves (40 05 23 43-0153)		
40 05 23 43-0155 EA 1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	198.32 7.10	13.09
40 05 23 43-0156 EA 3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	339.84 7.48	15.37
40 05 23 43-0157 EA 1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	349.52 10.38	17.32
40 05 23 43-0158 EA 3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	386.96 11.90	19.84
40 05 23 43-0159 EA 1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	349.15 15.74	26.27
40 05 23 43-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	480.89 16.35	27.24
40 05 23 43-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	774.58 17.81	29.68
40 05 23 43-0162 EA 2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	920.52 24.40	40.66
40 05 23 43-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,357.00 78.10	130.21
40 05 23 43-0164 Globe Valves (40 05 23 43-0153)		
40 05 23 43-0165 EA 1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	201.18 7.10	13.09
40 05 23 43-0166 EA 3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	129.41 7.48	15.37
40 05 23 43-0167 EA 1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	236.33 10.38	17.32
40 05 23 43-0168 EA 3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	262.65 11.90	19.84
40 05 23 43-0169 EA 1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	385.18 15.74	26.27
40 05 23 43-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	481.87 16.23	27.08
40 05 23 43-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	803.19 17.81	29.68
40 05 23 43-0172 EA 2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	949.13 24.40	40.66
40 05 23 43-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,175.81 78.10	130.21
40 05 23 43-0174 Check Valves (40 05 23 43-0153)		
40 05 23 43-0175 EA 1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	285.27 7.10	13.09
40 05 23 43-0176 EA 3/8" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	286.52 7.48	15.37
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	180.83 10.38	17.32
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	188.01 11.90	19.84
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	205.05 15.74	26.27
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	285.08 16.35	27.24
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	641.07 17.81	29.68
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	777.48 24.40	40.66

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,531.84 78.10	130.21
40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	305.71 10.38	17.32
40 05 23 43-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	357.19 11.90	19.84
40 05 23 43-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	455.40 15.74	26.27
40 05 23 43-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	727.82 17.81	29.68
40 05 23 43-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,017.17 24.40	40.66
40 05 23 43-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	405.98 10.38	17.32
40 05 23 43-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	466.74 11.90	19.84
40 05 23 43-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	564.96 15.74	26.27
40 05 23 43-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	881.93 17.81	29.68
40 05 23 43-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	1,201.00 24.40	40.66
40 05 23 43-0196 Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197 EA 1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	406.94 10.38	17.32
40 05 23 43-0198 EA 3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	487.15 11.96	19.92
40 05 23 43-0199 EA 1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	637.33 15.86	26.43
40 05 23 43-0200 EA 1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	792.41 16.35	27.24
40 05 23 43-0201 EA 1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	995.45 17.81	29.68
40 05 23 43-0202 EA 2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,435.97 24.40	40.66
40 05 23 43-0203 EA 2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,973.75 32.45	54.09
40 05 23 43-0204 EA 3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,873.85 48.80	81.33
40 05 23 43-0205 EA 4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,673.73 78.07	130.13
40 05 23 43-0206 Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207 EA 1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	433.86 10.38	17.32
40 05 23 43-0208 EA 3/4" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	474.40 11.90	19.84
40 05 23 43-0209 EA 1" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	534.52 15.74	26.27
40 05 23 43-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	747.11 17.81	29.68
40 05 23 43-0211 EA 2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	971.48 24.40	40.66
40 05 23 43-0212 Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small>		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe	16.26	
40 05 23 43-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe	17.56	
40 05 23 43-0215 EA Cut And Prepare 1" Stainless Steel Pipe	19.75	
40 05 23 43-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe	20.73	
40 05 23 43-0217 EA Cut And Prepare 1-1/2" Stainless Steel Pipe	21.95	
40 05 23 43-0218 EA Cut And Prepare 2" Stainless Steel Pipe	23.57	
40 05 23 43-0219 EA Cut And Prepare 2-1/2" Stainless Steel Pipe	25.20	
40 05 23 43-0220 EA Cut And Prepare 3" Stainless Steel Pipe	27.64	
40 05 23 43-0221 EA Cut And Prepare 4" Stainless Steel Pipe	30.08	
40 05 23 43-0222 EA Cut And Prepare 6" Stainless Steel Pipe	32.52	
40 05 23 43-0223 EA Cut And Prepare 8" Stainless Steel Pipe	34.96	
40 05 23 43-0224 EA Cut And Prepare 10" Stainless Steel Pipe	38.21	
40 05 23 43-0225 EA Cut And Prepare 12" Stainless Steel Pipe	41.46	
40 05 23 43-0226 EA Cut And Prepare 14" Stainless Steel Pipe	44.71	
40 05 23 43-0227 EA Cut And Prepare 16" Stainless Steel Pipe	47.96	
40 05 23 43-0228 EA Cut And Prepare 18" Stainless Steel Pipe	50.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0229 EA Cut And Prepare 20" Stainless Steel Pipe	52.85	
40 05 23 43-0230 EA Cut And Prepare 24" Stainless Steel Pipe	56.10	
40 05 23 43-0231 Stainless Steel Pipe And Fittings (40 05 23 43)		
40 05 23 43-0232 Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0233 Pipe (40 05 23 43-0232)		
40 05 23 43-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	11.69	3.49
For Work In Restricted Working Space, Add	2.09	
40 05 23 43-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.40	4.39
For Work In Restricted Working Space, Add	2.62	
40 05 23 43-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	17.69	5.29
For Work In Restricted Working Space, Add	3.15	
40 05 23 43-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	21.22	6.10
For Work In Restricted Working Space, Add	3.67	
40 05 23 43-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	24.54	6.91
For Work In Restricted Working Space, Add	4.17	
40 05 23 43-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	31.32	8.78
For Work In Restricted Working Space, Add	5.24	
40 05 23 43-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	42.21	10.41
For Work In Restricted Working Space, Add	6.26	
40 05 23 43-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	53.07	13.09
For Work In Restricted Working Space, Add	7.87	
40 05 23 43-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	71.76	17.32
For Work In Restricted Working Space, Add	10.38	
40 05 23 43-0243 90 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0244 EA 1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	32.79	13.09
For Work In Restricted Working Space, Add	7.87	
40 05 23 43-0245 EA 3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	42.05	17.32
For Work In Restricted Working Space, Add	10.38	
40 05 23 43-0246 EA 1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	53.85	21.96
For Work In Restricted Working Space, Add	13.19	
40 05 23 43-0247 EA 1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	75.08	30.09
For Work In Restricted Working Space, Add	18.07	
40 05 23 43-0248 EA 1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	87.59	35.37
For Work In Restricted Working Space, Add	21.22	
40 05 23 43-0249 EA 2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	109.97	42.78
For Work In Restricted Working Space, Add	25.68	
40 05 23 43-0250 EA 2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	202.81	67.74
For Work In Restricted Working Space, Add	40.67	
40 05 23 43-0251 EA 3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	259.84	87.42
For Work In Restricted Working Space, Add	52.47	
40 05 23 43-0252 EA 4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	383.39	108.41
For Work In Restricted Working Space, Add	65.06	
40 05 23 43-0253 45 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0254 EA 1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	35.21	13.09
For Work In Restricted Working Space, Add	7.87	
40 05 23 43-0255 EA 3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	44.33	17.32
For Work In Restricted Working Space, Add	10.38	
40 05 23 43-0256 EA 1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	54.67	21.96
For Work In Restricted Working Space, Add	13.19	
40 05 23 43-0257 EA 1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	74.10	30.09
For Work In Restricted Working Space, Add	18.07	
40 05 23 43-0258 EA 1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	88.64	35.37
For Work In Restricted Working Space, Add	21.22	
40 05 23 43-0259 EA 2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	110.94	42.78
For Work In Restricted Working Space, Add	25.68	
40 05 23 43-0260 EA 2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	223.18	67.74
For Work In Restricted Working Space, Add	40.67	
40 05 23 43-0261 EA 3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	298.75	87.42
For Work In Restricted Working Space, Add	52.47	
40 05 23 43-0262 EA 4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	440.84	108.41
For Work In Restricted Working Space, Add	65.06	
40 05 23 43-0263 Tees (40 05 23 43-0232)		
40 05 23 43-0264 EA 1/2" Tee, Stainless Steel, Schedule 40 Type 304	49.50	19.84
For Work In Restricted Working Space, Add	11.90	
40 05 23 43-0265 EA 3/4" Tee, Stainless Steel, Schedule 40 Type 304	62.96	26.27
For Work In Restricted Working Space, Add	15.74	
40 05 23 43-0266 EA 1" Tee, Stainless Steel, Schedule 40 Type 304	77.46	32.53
For Work In Restricted Working Space, Add	19.52	
40 05 23 43-0267 EA 1-1/4" Tee, Stainless Steel, Schedule 40 Type 304	110.63	45.22
For Work In Restricted Working Space, Add	27.11	
40 05 23 43-0268 EA 1-1/2" Tee, Stainless Steel, Schedule 40 Type 304	127.13	50.83
For Work In Restricted Working Space, Add	30.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0269	EA		2" Tee, Stainless Steel, Schedule 40 Type 304.....	166.31	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0270	EA		2-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	297.77	98.00
			<i>For Work In Restricted Working Space, Add</i>	58.79	
40 05 23 43-0271	EA		3" Tee, Stainless Steel, Schedule 40 Type 304.....	417.25	131.19
			<i>For Work In Restricted Working Space, Add</i>	78.70	
40 05 23 43-0272	EA		4" Tee, Stainless Steel, Schedule 40 Type 304.....	574.95	162.65
			<i>For Work In Restricted Working Space, Add</i>	97.59	
40 05 23 43-0273 Reducers (40 05 23 43-0232)					
40 05 23 43-0274	EA		3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	40.78	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0275	EA		1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	53.08	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0276	EA		1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	78.91	30.09
			<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0277	EA		1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	91.32	35.37
			<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0278	EA		2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	117.72	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0279	EA		2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	203.01	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0280	EA		3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	247.07	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0281	EA		4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	357.74	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0282	EA		4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	302.34	99.63
			<i>For Work In Restricted Working Space, Add</i>	59.78	
40 05 23 43-0283 Unions (40 05 23 43-0232)					
40 05 23 43-0284	EA		1/2" Union, Stainless Steel, Schedule 40 Type 304.....	53.33	19.84
			<i>For Work In Restricted Working Space, Add</i>	11.90	
40 05 23 43-0285	EA		3/4" Union, Stainless Steel, Schedule 40 Type 304.....	71.19	26.27
			<i>For Work In Restricted Working Space, Add</i>	15.74	
40 05 23 43-0286	EA		1" Union, Stainless Steel, Schedule 40 Type 304.....	92.24	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0287	EA		1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	140.31	45.22
			<i>For Work In Restricted Working Space, Add</i>	27.11	
40 05 23 43-0288	EA		1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	160.37	50.83
			<i>For Work In Restricted Working Space, Add</i>	30.50	
40 05 23 43-0289	EA		2" Union, Stainless Steel, Schedule 40 Type 304.....	209.67	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0290 Flanges (40 05 23 43-0232)					
40 05 23 43-0291	EA		2-1/2" Flange, Stainless Steel, Schedule 40 Type 304.....	195.34	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0292	EA		3" Flange, Stainless Steel, Schedule 40 Type 304.....	240.09	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0293	EA		4" Flange, Stainless Steel, Schedule 40 Type 304.....	310.55	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0294 Caps (40 05 23 43-0232)					
40 05 23 43-0295	EA		1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	15.62	6.59
			<i>For Work In Restricted Working Space, Add</i>	3.93	
40 05 23 43-0296	EA		3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	21.14	8.78
			<i>For Work In Restricted Working Space, Add</i>	5.24	
40 05 23 43-0297	EA		1" Caps, Stainless Steel, Schedule 40 Type 304.....	27.06	10.82
			<i>For Work In Restricted Working Space, Add</i>	6.50	
40 05 23 43-0298	EA		1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	44.78	15.37
			<i>For Work In Restricted Working Space, Add</i>	9.21	
40 05 23 43-0299	EA		1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	50.87	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0300	EA		2" Caps, Stainless Steel, Schedule 40 Type 304.....	64.59	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0301	EA		2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	100.02	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0302	EA		3" Caps, Stainless Steel, Schedule 40 Type 304.....	133.94	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0303	EA		4" Caps, Stainless Steel, Schedule 40 Type 304.....	197.77	54.25
			<i>For Work In Restricted Working Space, Add</i>	32.53	
40 05 23 43-0304 Additional Fittings (40 05 23 43-0232)					
40 05 23 43-0305	EA		1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	64.47	27.24
			<i>For Work In Restricted Working Space, Add</i>	16.35	
40 05 23 43-0306	EA		3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	75.60	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0307	EA		1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	110.67	37.00
			<i>For Work In Restricted Working Space, Add</i>	22.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0308 EA 1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.94 24.40	40.66
40 05 23 43-0309 EA 1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.94 24.40	40.66
40 05 23 43-0310 EA 2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	166.88 26.84	44.73
40 05 23 43-0311 Type 304 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0311)</small>		
40 05 23 43-0312 Pipe <small>(40 05 23 43-0311)</small>		
40 05 23 43-0313 LF 1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	12.79 2.05	3.41
40 05 23 43-0314 LF 3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	15.19 2.50	4.17
40 05 23 43-0315 LF 1" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	18.08 2.94	4.93
40 05 23 43-0316 LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	21.69 3.67	6.14
40 05 23 43-0317 LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	24.70 4.14	6.90
40 05 23 43-0318 LF 2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	30.75 5.12	8.57
40 05 23 43-0319 LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	38.55 5.85	9.78
40 05 23 43-0320 LF 3" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	44.92 6.59	10.99
40 05 23 43-0321 LF 4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	55.34 7.80	13.04
40 05 23 43-0322 LF 6" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	88.54 10.25	17.13
40 05 23 43-0323 LF 8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	148.48 19.56	30.45
40 05 23 43-0324 LF 10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	189.00 21.52	33.48
40 05 23 43-0325 LF 12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	215.85 23.91	37.22
40 05 23 43-0326 LF 14" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	264.53 26.90	41.85
40 05 23 43-0327 LF 16" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	291.74 30.75	47.83
40 05 23 43-0328 LF 18" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	327.43 35.87	55.80
40 05 23 43-0329 LF 20" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	435.65 43.04	66.95
40 05 23 43-0330 LF 24" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	566.82 53.80	83.69
40 05 23 43-0331 90 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0332 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	99.96 25.93	43.22
40 05 23 43-0333 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.98 27.52	45.87
40 05 23 43-0334 EA 1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	116.31 30.25	50.42
40 05 23 43-0335 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	134.74 32.99	54.96
40 05 23 43-0336 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	140.67 36.36	60.66
40 05 23 43-0337 EA 2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	161.12 40.50	67.47
40 05 23 43-0338 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	209.80 51.79	86.43
40 05 23 43-0339 EA 3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	248.99 60.62	101.21
40 05 23 43-0340 EA 4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	328.82 72.62	121.30
40 05 23 43-0341 EA 6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	550.65 90.83	151.63
40 05 23 43-0342 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	933.78 153.72	239.13
40 05 23 43-0343 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,550.75 204.97	318.83
40 05 23 43-0344 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,396.94 307.45	478.25
40 05 23 43-0345 EA 14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,047.54 358.69	557.96
40 05 23 43-0346 EA 16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,778.74 409.15	637.67
40 05 23 43-0347 EA 18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,813.44 512.41	797.08
40 05 23 43-0348 EA 20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,879.70 717.38	1,115.92

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0349 EA 24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,940.56 1,024.82	1,594.17
40 05 23 43-0350 45 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0351 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.90 25.93	43.22
40 05 23 43-0352 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.21 27.52	45.87
40 05 23 43-0353 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	122.77 30.25	50.42
40 05 23 43-0354 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	147.05 32.96	54.96
40 05 23 43-0355 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	141.26 36.40	60.66
40 05 23 43-0356 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	157.93 40.50	67.47
40 05 23 43-0357 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	210.85 51.84	86.43
40 05 23 43-0358 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	241.45 60.75	101.21
40 05 23 43-0359 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	311.43 72.71	121.30
40 05 23 43-0360 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	451.98 90.98	151.63
40 05 23 43-0361 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	772.67 153.72	239.13
40 05 23 43-0362 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,267.47 204.97	318.83
40 05 23 43-0363 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,954.32 307.45	478.25
40 05 23 43-0364 EA 14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,427.87 358.69	557.96
40 05 23 43-0365 EA 16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,983.81 409.15	637.67
40 05 23 43-0366 EA 18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,071.61 512.41	797.08
40 05 23 43-0367 EA 20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,914.80 717.38	1,115.92
40 05 23 43-0368 EA 24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,373.69 1,024.82	1,594.17
40 05 23 43-0369 Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0370 EA 1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.72 32.95	54.96
40 05 23 43-0371 EA 3/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	189.73 40.46	67.47
40 05 23 43-0372 EA 1" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	203.74 45.45	75.82
40 05 23 43-0373 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	262.20 51.84	86.43
40 05 23 43-0374 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	237.69 55.64	92.87
40 05 23 43-0375 EA 2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	257.17 60.69	101.21
40 05 23 43-0376 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	398.18 72.71	121.30
40 05 23 43-0377 EA 3" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	405.55 91.13	151.63
40 05 23 43-0378 EA 4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	484.31 102.27	170.58
40 05 23 43-0379 EA 6" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	888.30 136.36	227.45
40 05 23 43-0380 EA 8" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,674.68 204.97	318.83
40 05 23 43-0381 EA 10" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,582.84 307.45	478.25
40 05 23 43-0382 EA 12" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,272.80 384.31	597.82
40 05 23 43-0383 EA 14" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,147.32 461.83	717.38
40 05 23 43-0384 EA 16" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,661.12 563.39	876.80
40 05 23 43-0385 EA 18" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,710.88 717.38	1,115.92
40 05 23 43-0386 EA 20" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,599.42 943.92	1,474.60
40 05 23 43-0387 EA 24" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	13,179.83 1,434.75	2,231.84
40 05 23 43-0388 Reducers <small>(40 05 23 43-0311)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0389 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 304.....	109.80	41.70
<i>For Work In Restricted Working Space, Add</i>	25.04	
40 05 23 43-0390 EA 1" Reducer, Stainless Steel Schedule 5 Type 304.....	121.37	45.49
<i>For Work In Restricted Working Space, Add</i>	27.29	
40 05 23 43-0391 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 304	148.31	50.42
<i>For Work In Restricted Working Space, Add</i>	30.25	
40 05 23 43-0392 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 304	130.21	54.96
<i>For Work In Restricted Working Space, Add</i>	32.96	
40 05 23 43-0393 EA 2" Reducer, Stainless Steel Schedule 5 Type 304.....	143.37	60.66
<i>For Work In Restricted Working Space, Add</i>	36.40	
40 05 23 43-0394 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 304	185.02	75.82
<i>For Work In Restricted Working Space, Add</i>	45.49	
40 05 23 43-0395 EA 3" Reducer, Stainless Steel Schedule 5 Type 304.....	205.67	86.43
<i>For Work In Restricted Working Space, Add</i>	51.79	
40 05 23 43-0396 EA 4" Reducer, Stainless Steel Schedule 5 Type 304.....	239.57	101.21
<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-0397 EA 6" Reducer, Stainless Steel Schedule 5 Type 304.....	308.37	128.89
<i>For Work In Restricted Working Space, Add</i>	77.26	
40 05 23 43-0398 EA 8" Reducer, Stainless Steel Schedule 5 Type 304.....	642.96	191.30
<i>For Work In Restricted Working Space, Add</i>	122.98	
40 05 23 43-0399 EA 10" Reducer, Stainless Steel Schedule 5 Type 304.....	836.52	239.13
<i>For Work In Restricted Working Space, Add</i>	153.72	
40 05 23 43-0400 EA 12" Reducer, Stainless Steel Schedule 5 Type 304.....	1,112.33	318.83
<i>For Work In Restricted Working Space, Add</i>	204.97	
40 05 23 43-0401 EA 14" Reducer, Stainless Steel Schedule 5 Type 304.....	1,475.46	418.47
<i>For Work In Restricted Working Space, Add</i>	269.02	
40 05 23 43-0402 EA 16" Reducer, Stainless Steel Schedule 5 Type 304.....	1,743.26	478.25
<i>For Work In Restricted Working Space, Add</i>	306.57	
40 05 23 43-0403 EA 18" Reducer, Stainless Steel Schedule 5 Type 304.....	2,169.59	597.82
<i>For Work In Restricted Working Space, Add</i>	384.31	
40 05 23 43-0404 EA 20" Reducer, Stainless Steel Schedule 5 Type 304.....	3,246.49	797.08
<i>For Work In Restricted Working Space, Add</i>	512.41	
40 05 23 43-0405 EA 24" Reducer, Stainless Steel Schedule 5 Type 304.....	5,069.55	1,195.63
<i>For Work In Restricted Working Space, Add</i>	768.62	
40 05 23 43-0406 Weld Neck Flanges <small>(40 05 23 43-0311)</small>		
40 05 23 43-0407 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 304	61.69	17.44
<i>For Work In Restricted Working Space, Add</i>	10.46	
40 05 23 43-0408 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 304	64.73	18.95
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0409 EA 1" Flanges, Stainless Steel Schedule 5 Type 304	77.63	25.40
<i>For Work In Restricted Working Space, Add</i>	15.25	
40 05 23 43-0410 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 304.....	86.13	26.53
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0411 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	99.98	30.33
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0412 EA 2" Flanges, Stainless Steel Schedule 5 Type 304	119.12	34.11
<i>For Work In Restricted Working Space, Add</i>	20.45	
40 05 23 43-0413 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	161.34	43.59
<i>For Work In Restricted Working Space, Add</i>	26.16	
40 05 23 43-0414 EA 3" Flanges, Stainless Steel Schedule 5 Type 304	178.51	50.42
<i>For Work In Restricted Working Space, Add</i>	30.23	
40 05 23 43-0415 EA 4" Flanges, Stainless Steel Schedule 5 Type 304	244.59	68.24
<i>For Work In Restricted Working Space, Add</i>	40.94	
40 05 23 43-0416 EA 6" Flanges, Stainless Steel Schedule 5 Type 304	370.27	101.21
<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-0417 EA 8" Flange, Stainless Steel Schedule 5 Type 304.....	677.41	119.56
<i>For Work In Restricted Working Space, Add</i>	76.86	
40 05 23 43-0418 EA 10" Flange, Stainless Steel Schedule 5 Type 304	1,028.39	139.49
<i>For Work In Restricted Working Space, Add</i>	89.67	
40 05 23 43-0419 EA 12" Flange, Stainless Steel Schedule 5 Type 304	1,418.78	159.41
<i>For Work In Restricted Working Space, Add</i>	102.48	
40 05 23 43-0420 EA 14" Flange, Stainless Steel Schedule 5 Type 304.....	1,879.49	199.28
<i>For Work In Restricted Working Space, Add</i>	128.10	
40 05 23 43-0421 EA 16" Flange, Stainless Steel Schedule 5 Type 304	2,509.57	239.13
<i>For Work In Restricted Working Space, Add</i>	153.72	
40 05 23 43-0422 EA 18" Flange, Stainless Steel Schedule 5 Type 304	2,612.45	278.98
<i>For Work In Restricted Working Space, Add</i>	179.35	
40 05 23 43-0423 EA 20" Flange, Stainless Steel Schedule 5 Type 304	3,593.69	338.76
<i>For Work In Restricted Working Space, Add</i>	217.83	
40 05 23 43-0424 EA 24" Flange, Stainless Steel Schedule 5 Type 304	8,005.20	438.39
<i>For Work In Restricted Working Space, Add</i>	281.69	
40 05 23 43-0425 Slip-On Flanges <small>(40 05 23 43-0311)</small>		
40 05 23 43-0426 EA 1/2" Flange, Stainless Steel Schedule 5 Type 304.....	103.73	37.91
<i>For Work In Restricted Working Space, Add</i>	22.75	
40 05 23 43-0427 EA 3/4" Flange, Stainless Steel Schedule 5 Type 304.....	107.49	37.91
<i>For Work In Restricted Working Space, Add</i>	22.75	
40 05 23 43-0428 EA 1" Flange, Stainless Steel Schedule 5 Type 304.....	127.24	46.63
<i>For Work In Restricted Working Space, Add</i>	27.98	
40 05 23 43-0429 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 304.....	140.14	50.42
<i>For Work In Restricted Working Space, Add</i>	30.25	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0430	EA		1-1/2" Flange, Stainless Steel Schedule 5 Type 304.....	156.29	55.35
			<i>For Work In Restricted Working Space, Add</i>	33.21	
40 05 23 43-0431	EA		2" Flange, Stainless Steel Schedule 5 Type 304.....	181.95	60.66
			<i>For Work In Restricted Working Space, Add</i>	36.36	
40 05 23 43-0432	EA		2-1/2" Flange, Stainless Steel Schedule 5 Type 304.....	224.03	68.24
			<i>For Work In Restricted Working Space, Add</i>	40.94	
40 05 23 43-0433	EA		3" Flange, Stainless Steel Schedule 5 Type 304.....	245.34	75.82
			<i>For Work In Restricted Working Space, Add</i>	45.45	
40 05 23 43-0434	EA		4" Flange, Stainless Steel Schedule 5 Type 304.....	334.52	101.60
			<i>For Work In Restricted Working Space, Add</i>	60.95	
40 05 23 43-0435	EA		6" Flange, Stainless Steel Schedule 5 Type 304.....	506.51	151.63
			<i>For Work In Restricted Working Space, Add</i>	90.83	
40 05 23 43-0436	EA		8" Flange, Stainless Steel Schedule 5 Type 304.....	1,462.21	239.13
			<i>For Work In Restricted Working Space, Add</i>	153.72	
40 05 23 43-0437			Caps (40 05 23 43-0311)		
40 05 23 43-0438	EA		1/2" Cap, Stainless Steel Schedule 5 Type 304.....	52.69	17.44
			<i>For Work In Restricted Working Space, Add</i>	10.46	
40 05 23 43-0439	EA		3/4" Cap, Stainless Steel Schedule 5 Type 304.....	58.20	18.95
			<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0440	EA		1" Cap, Stainless Steel Schedule 5 Type 304.....	73.16	25.02
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0441	EA		1-1/4" Cap, Stainless Steel Schedule 5 Type 304.....	78.94	26.53
			<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0442	EA		1-1/2" Cap, Stainless Steel Schedule 5 Type 304.....	88.39	30.33
			<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0443	EA		2" Cap, Stainless Steel Schedule 5 Type 304.....	96.83	34.11
			<i>For Work In Restricted Working Space, Add</i>	20.45	
40 05 23 43-0444	EA		2-1/2" Cap, Stainless Steel Schedule 5 Type 304.....	120.47	43.59
			<i>For Work In Restricted Working Space, Add</i>	26.16	
40 05 23 43-0445	EA		3" Cap, Stainless Steel Schedule 5 Type 304.....	137.74	50.42
			<i>For Work In Restricted Working Space, Add</i>	30.23	
40 05 23 43-0446	EA		4" Cap, Stainless Steel Schedule 5 Type 304.....	199.62	67.47
			<i>For Work In Restricted Working Space, Add</i>	40.47	
40 05 23 43-0447	EA		6" Cap, Stainless Steel Schedule 5 Type 304.....	268.84	101.21
			<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-0448			Reducing Tees (40 05 23 43-0311)		
40 05 23 43-0449	EA		3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	141.17	54.96
			<i>For Work In Restricted Working Space, Add</i>	27.53	
40 05 23 43-0450	EA		1" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	161.87	67.47
			<i>For Work In Restricted Working Space, Add</i>	33.74	
40 05 23 43-0451	EA		1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	192.50	75.82
			<i>For Work In Restricted Working Space, Add</i>	37.91	
40 05 23 43-0452	EA		1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	191.96	86.43
			<i>For Work In Restricted Working Space, Add</i>	43.22	
40 05 23 43-0453	EA		2" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	208.96	92.87
			<i>For Work In Restricted Working Space, Add</i>	46.44	
40 05 23 43-0454	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	304.08	101.21
			<i>For Work In Restricted Working Space, Add</i>	50.61	
40 05 23 43-0455	EA		3" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	295.93	121.30
			<i>For Work In Restricted Working Space, Add</i>	60.66	
40 05 23 43-0456	EA		4" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	388.11	151.63
			<i>For Work In Restricted Working Space, Add</i>	75.82	
40 05 23 43-0457	EA		6" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	694.93	173.25
			<i>For Work In Restricted Working Space, Add</i>	86.63	
40 05 23 43-0458	EA		8" Reducing Tee, Stainless Steel Schedule 5 Type 304L.....	1,277.35	239.13
			<i>For Work In Restricted Working Space, Add</i>	128.10	
40 05 23 43-0459	EA		10" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	2,048.21	318.83
			<i>For Work In Restricted Working Space, Add</i>	170.81	
40 05 23 43-0460	EA		12" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	2,745.29	478.25
			<i>For Work In Restricted Working Space, Add</i>	256.21	
40 05 23 43-0461	EA		14" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	3,494.23	574.70
			<i>For Work In Restricted Working Space, Add</i>	307.80	
40 05 23 43-0462	EA		16" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	3,894.73	701.03
			<i>For Work In Restricted Working Space, Add</i>	375.46	
40 05 23 43-0463	EA		18" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	4,749.76	892.73
			<i>For Work In Restricted Working Space, Add</i>	478.25	
40 05 23 43-0464	EA		20" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	7,273.61	1,174.50
			<i>For Work In Restricted Working Space, Add</i>	629.28	
40 05 23 43-0465	EA		24" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	11,160.93	1,784.67
			<i>For Work In Restricted Working Space, Add</i>	955.65	
40 05 23 43-0466			Type 304 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0467			Pipe (40 05 23 43-0466)		
40 05 23 43-0468	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting.....	12.93	3.41
			<i>For Work In Restricted Working Space, Add</i>	2.05	
40 05 23 43-0469	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting.....	15.40	4.17
			<i>For Work In Restricted Working Space, Add</i>	2.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0470 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	20.31 2.94	4.93
40 05 23 43-0471 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	24.81 3.67	6.14
40 05 23 43-0472 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	27.62 4.14	6.90
40 05 23 43-0473 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	34.15 5.12	8.57
40 05 23 43-0474 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	40.76 5.85	9.78
40 05 23 43-0475 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	48.01 6.59	10.99
40 05 23 43-0476 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	60.17 7.80	13.04
40 05 23 43-0477 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	87.48 10.25	17.13
40 05 23 43-0478 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	146.86 19.56	30.45
40 05 23 43-0479 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	186.71 21.52	33.48
40 05 23 43-0480 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	223.01 23.91	37.22
40 05 23 43-0481 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	273.74 26.90	41.85
40 05 23 43-0482 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	301.70 30.75	47.83
40 05 23 43-0483 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	338.37 35.87	55.80
40 05 23 43-0484 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	468.10 43.04	66.95
40 05 23 43-0485 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	609.88 53.80	83.69
40 05 23 43-0486 90 Degree Elbows (40 05 23 43-0466)		
40 05 23 43-0487 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	97.30 25.93	43.22
40 05 23 43-0488 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.61 27.52	45.87
40 05 23 43-0489 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.71 30.25	50.42
40 05 23 43-0490 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	125.81 32.99	54.96
40 05 23 43-0491 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.45 36.36	60.66
40 05 23 43-0492 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	156.28 40.51	67.47
40 05 23 43-0493 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	202.77 51.80	86.43
40 05 23 43-0494 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	240.11 60.65	101.21
40 05 23 43-0495 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	313.07 72.67	121.30
40 05 23 43-0496 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	505.01 90.79	151.63
40 05 23 43-0497 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	974.17 153.72	239.13
40 05 23 43-0498 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,539.85 204.97	318.83
40 05 23 43-0499 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,368.69 307.45	478.25
40 05 23 43-0500 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,013.03 358.69	557.96
40 05 23 43-0501 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,733.16 409.15	637.67
40 05 23 43-0502 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,751.32 512.41	797.08
40 05 23 43-0503 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,782.39 717.38	1,115.92
40 05 23 43-0504 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,797.84 1,024.82	1,594.17
40 05 23 43-0505 45 Degree Elbows (40 05 23 43-0466)		
40 05 23 43-0506 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	101.76 25.93	43.22
40 05 23 43-0507 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	107.07 27.52	45.87
40 05 23 43-0508 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	116.17 30.25	50.42
40 05 23 43-0509 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	127.05 32.97	54.96
40 05 23 43-0510 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	138.89 36.41	60.66

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0511 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.21 40.51	67.47
40 05 23 43-0512 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	202.22 51.84	86.43
40 05 23 43-0513 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	233.06 60.72	101.21
40 05 23 43-0514 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	296.38 72.73	121.30
40 05 23 43-0515 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	418.50 90.98	151.63
40 05 23 43-0516 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	865.09 153.72	239.13
40 05 23 43-0517 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,264.20 204.97	318.83
40 05 23 43-0518 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,951.54 307.45	478.25
40 05 23 43-0519 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,424.22 358.69	557.96
40 05 23 43-0520 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,978.54 409.15	637.67
40 05 23 43-0521 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,064.69 512.41	797.08
40 05 23 43-0522 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,905.43 717.38	1,115.92
40 05 23 43-0523 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,354.20 1,024.82	1,594.17
40 05 23 43-0524 Tees (40 05 23 43-0466)		
40 05 23 43-0525 EA 1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.33 32.95	54.96
40 05 23 43-0526 EA 3/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	171.34 40.46	67.47
40 05 23 43-0527 EA 1" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	188.00 45.45	75.82
40 05 23 43-0528 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	213.00 51.86	86.43
40 05 23 43-0529 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	226.88 55.66	92.87
40 05 23 43-0530 EA 2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	266.77 60.69	101.21
40 05 23 43-0531 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	321.50 72.73	121.30
40 05 23 43-0532 EA 3" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	415.55 91.10	151.63
40 05 23 43-0533 EA 4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	462.47 102.25	170.58
40 05 23 43-0534 EA 6" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	792.99 136.46	227.45
40 05 23 43-0535 EA 8" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,329.84 204.97	318.83
40 05 23 43-0536 EA 10" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,953.60 307.45	478.25
40 05 23 43-0537 EA 12" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,293.35 384.31	597.82
40 05 23 43-0538 EA 14" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,176.09 461.83	717.38
40 05 23 43-0539 EA 16" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,690.04 563.39	876.80
40 05 23 43-0540 EA 18" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,745.13 717.38	1,115.92
40 05 23 43-0541 EA 20" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,656.23 943.92	1,474.60
40 05 23 43-0542 EA 24" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	13,266.86 1,434.75	2,231.84
40 05 23 43-0543 Reducers (40 05 23 43-0466)		
40 05 23 43-0544 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.19 25.04	41.70
40 05 23 43-0545 EA 1" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	122.99 27.29	45.49
40 05 23 43-0546 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	150.81 30.25	50.42
40 05 23 43-0547 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	131.26 32.96	54.96
40 05 23 43-0548 EA 2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	144.50 36.39	60.66
40 05 23 43-0549 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	186.76 45.48	75.82
40 05 23 43-0550 EA 3" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	207.43 51.80	86.43
40 05 23 43-0551 EA 4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	241.53 60.69	101.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0552 EA 6" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	311.08 77.27	128.89
40 05 23 43-0553 EA 8" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	655.23 122.98	191.30
40 05 23 43-0554 EA 10" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	853.57 153.72	239.13
40 05 23 43-0555 EA 12" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,134.91 204.97	318.83
40 05 23 43-0556 EA 14" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,505.92 269.02	418.47
40 05 23 43-0557 EA 16" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,782.10 306.83	478.25
40 05 23 43-0558 EA 18" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,216.36 384.31	597.82
40 05 23 43-0559 EA 20" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,327.47 512.41	797.08
40 05 23 43-0560 EA 24" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,201.52 768.62	1,195.63
40 05 23 43-0561 Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0562 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	63.10 10.46	17.44
40 05 23 43-0563 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	66.14 11.38	18.95
40 05 23 43-0564 EA 1" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	79.03 15.24	25.40
40 05 23 43-0565 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	87.87 15.92	26.53
40 05 23 43-0566 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.05 18.20	30.33
40 05 23 43-0567 EA 2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	121.81 20.46	34.11
40 05 23 43-0568 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	165.25 26.16	43.59
40 05 23 43-0569 EA 3" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	182.60 30.23	50.42
40 05 23 43-0570 EA 4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	250.30 40.94	68.24
40 05 23 43-0571 EA 6" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	379.07 60.67	101.21
40 05 23 43-0572 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	699.57 76.86	119.56
40 05 23 43-0573 EA 10" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,066.78 89.67	139.49
40 05 23 43-0574 EA 12" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,475.48 102.48	159.41
40 05 23 43-0575 EA 14" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,955.94 128.10	199.28
40 05 23 43-0576 EA 16" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,614.69 153.72	239.13
40 05 23 43-0577 EA 18" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,718.49 179.35	278.98
40 05 23 43-0578 EA 20" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,744.61 217.83	338.76
40 05 23 43-0579 EA 24" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,377.10 281.69	438.39
40 05 23 43-0580 Slip-On Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0581 EA 1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.20 22.75	37.91
40 05 23 43-0582 EA 3/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	109.16 22.75	37.91
40 05 23 43-0583 EA 1" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	129.02 27.98	46.63
40 05 23 43-0584 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	142.20 30.24	50.42
40 05 23 43-0585 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	158.68 33.21	55.35
40 05 23 43-0586 EA 2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	185.19 36.37	60.66
40 05 23 43-0587 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	228.66 40.94	68.24
40 05 23 43-0588 EA 3" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	250.29 45.46	75.82
40 05 23 43-0589 EA 4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	341.47 60.96	101.60
40 05 23 43-0590 EA 6" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	517.43 90.89	151.63
40 05 23 43-0591 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,512.20 153.72	239.13

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0592			Caps (40 05 23 43-0466)		
40 05 23 43-0593	EA		1/2" Cap, Stainless Steel Schedule 10 Type 304.....	53.63	17.44
			<i>For Work In Restricted Working Space, Add</i>	10.46	
40 05 23 43-0594	EA		3/4" Cap, Stainless Steel Schedule 10 Type 304.....	59.27	18.95
			<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0595	EA		1" Cap, Stainless Steel Schedule 10 Type 304.....	74.37	25.02
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0596	EA		1-1/4" Cap, Stainless Steel Schedule 10 Type 304	80.30	26.53
			<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0597	EA		1-1/2" Cap, Stainless Steel Schedule 10 Type 304	89.85	30.33
			<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0598	EA		2" Cap, Stainless Steel Schedule 10 Type 304.....	98.35	34.11
			<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-0599	EA		2-1/2" Cap, Stainless Steel Schedule 10 Type 304	122.22	43.59
			<i>For Work In Restricted Working Space, Add</i>	26.16	
40 05 23 43-0600	EA		3" Cap, Stainless Steel Schedule 10 Type 304.....	139.68	50.42
			<i>For Work In Restricted Working Space, Add</i>	30.23	
40 05 23 43-0601	EA		4" Cap, Stainless Steel Schedule 10 Type 304.....	203.07	67.47
			<i>For Work In Restricted Working Space, Add</i>	40.49	
40 05 23 43-0602	EA		6" Cap, Stainless Steel Schedule 10 Type 304.....	272.30	101.21
			<i>For Work In Restricted Working Space, Add</i>	60.67	
40 05 23 43-0603			Reducing Tees (40 05 23 43-0466)		
40 05 23 43-0604	EA		3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304	145.08	54.96
			<i>For Work In Restricted Working Space, Add</i>	27.53	
40 05 23 43-0605	EA		1" Reducing Tees, Stainless Steel Schedule 10 Type 304	179.20	67.47
			<i>For Work In Restricted Working Space, Add</i>	33.74	
40 05 23 43-0606	EA		1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	199.85	75.82
			<i>For Work In Restricted Working Space, Add</i>	37.91	
40 05 23 43-0607	EA		1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	224.28	86.43
			<i>For Work In Restricted Working Space, Add</i>	43.22	
40 05 23 43-0608	EA		2" Reducing Tees, Stainless Steel Schedule 10 Type 304	248.98	92.87
			<i>For Work In Restricted Working Space, Add</i>	46.44	
40 05 23 43-0609	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	357.65	101.21
			<i>For Work In Restricted Working Space, Add</i>	50.61	
40 05 23 43-0610	EA		3" Reducing Tees, Stainless Steel Schedule 10 Type 304	365.70	121.30
			<i>For Work In Restricted Working Space, Add</i>	60.66	
40 05 23 43-0611	EA		4" Reducing Tees, Stainless Steel Schedule 10 Type 304	452.93	151.63
			<i>For Work In Restricted Working Space, Add</i>	75.82	
40 05 23 43-0612	EA		6" Reducing Tees, Stainless Steel Schedule 10 Type 304	782.81	173.25
			<i>For Work In Restricted Working Space, Add</i>	86.63	
40 05 23 43-0613	EA		8" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	1,371.83	239.13
			<i>For Work In Restricted Working Space, Add</i>	128.10	
40 05 23 43-0614	EA		10" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	2,893.87	318.83
			<i>For Work In Restricted Working Space, Add</i>	170.81	
40 05 23 43-0615	EA		12" Reducing Tee, Stainless Steel Schedule 10 Type 304	3,794.36	478.25
			<i>For Work In Restricted Working Space, Add</i>	256.21	
40 05 23 43-0616	EA		14" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	4,878.59	574.70
			<i>For Work In Restricted Working Space, Add</i>	307.80	
40 05 23 43-0617	EA		16" Reducing Tee, Stainless Steel Schedule 10 Type 304	5,360.47	701.03
			<i>For Work In Restricted Working Space, Add</i>	375.46	
40 05 23 43-0618	EA		18" Reducing Tee, Stainless Steel Schedule 10 Type 304	6,494.74	892.73
			<i>For Work In Restricted Working Space, Add</i>	478.25	
40 05 23 43-0619	EA		20" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	8,626.66	1,174.67
			<i>For Work In Restricted Working Space, Add</i>	629.28	
40 05 23 43-0620	EA		24" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	12,919.55	1,784.52
			<i>For Work In Restricted Working Space, Add</i>	955.65	
40 05 23 43-0621			Type 304 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0622			Pipe (40 05 23 43-0621)		
40 05 23 43-0623	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	14.43	3.41
			<i>For Work In Restricted Working Space, Add</i>	2.05	
40 05 23 43-0624	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	17.53	4.17
			<i>For Work In Restricted Working Space, Add</i>	2.50	
40 05 23 43-0625	LF		1" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	21.45	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.94	
40 05 23 43-0626	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	26.81	6.06
			<i>For Work In Restricted Working Space, Add</i>	3.67	
40 05 23 43-0627	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	30.87	6.83
			<i>For Work In Restricted Working Space, Add</i>	4.14	
40 05 23 43-0628	LF		2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	39.50	8.71
			<i>For Work In Restricted Working Space, Add</i>	5.12	
40 05 23 43-0629	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	48.92	9.86
			<i>For Work In Restricted Working Space, Add</i>	5.85	
40 05 23 43-0630	LF		3" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	47.86	10.99
			<i>For Work In Restricted Working Space, Add</i>	6.59	
40 05 23 43-0631	LF		4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	78.37	12.89
			<i>For Work In Restricted Working Space, Add</i>	7.80	
40 05 23 43-0632	LF		6" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	121.64	17.06
			<i>For Work In Restricted Working Space, Add</i>	10.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0633 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	215.18 19.56	30.29
40 05 23 43-0634 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	271.69 21.52	33.48
40 05 23 43-0635 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	337.99 23.91	37.07
40 05 23 43-0636 90 Degree Elbows <small>(40 05 23 43-0621)</small>		
40 05 23 43-0637 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.18 25.93	43.22
40 05 23 43-0638 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	107.49 27.52	45.87
40 05 23 43-0639 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	118.71 30.25	50.42
40 05 23 43-0640 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	136.71 32.99	54.96
40 05 23 43-0641 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	143.52 36.36	60.66
40 05 23 43-0642 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.77 40.51	67.47
40 05 23 43-0643 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	234.64 51.80	86.43
40 05 23 43-0644 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	286.26 60.65	101.21
40 05 23 43-0645 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	390.95 72.67	121.30
40 05 23 43-0646 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	798.36 90.79	151.63
40 05 23 43-0647 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,344.53 153.72	239.13
40 05 23 43-0648 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,444.83 204.97	318.83
40 05 23 43-0649 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,459.22 307.45	478.25
40 05 23 43-0650 45 Degree <small>(40 05 23 43-0621)</small>		
40 05 23 43-0651 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	108.73 25.93	43.22
40 05 23 43-0652 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	114.04 27.52	45.87
40 05 23 43-0653 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	123.14 30.25	50.42
40 05 23 43-0654 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	132.20 32.97	54.96
40 05 23 43-0655 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	151.09 36.41	60.66
40 05 23 43-0656 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	166.28 40.51	67.47
40 05 23 43-0657 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	232.11 51.84	86.43
40 05 23 43-0658 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	261.72 60.72	101.21
40 05 23 43-0659 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	346.90 72.73	121.30
40 05 23 43-0660 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	600.70 90.98	151.63
40 05 23 43-0661 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,061.25 153.72	239.13
40 05 23 43-0662 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,736.65 204.97	318.83
40 05 23 43-0663 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,388.09 307.45	478.25
40 05 23 43-0664 Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0665 EA 1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	162.07 32.95	54.96
40 05 23 43-0666 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	187.08 40.46	67.47
40 05 23 43-0667 EA 1" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	203.74 45.45	75.82
40 05 23 43-0668 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	256.96 51.86	86.43
40 05 23 43-0669 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	237.76 55.66	92.87
40 05 23 43-0670 EA 2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	257.19 60.69	101.21
40 05 23 43-0671 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	391.16 72.73	121.30
40 05 23 43-0672 EA 3" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	422.27 91.10	151.63

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0673 EA 4" Tees, Stainless Steel Schedule 40 Type 304	501.95	170.58
<i>For Work In Restricted Working Space, Add</i>	102.25	
40 05 23 43-0674 EA 6" Tees, Stainless Steel Schedule 40 Type 304	938.21	227.45
<i>For Work In Restricted Working Space, Add</i>	136.46	
40 05 23 43-0675 EA 8" Tee, Stainless Steel Schedule 40 Type 304	1,984.51	318.83
<i>For Work In Restricted Working Space, Add</i>	204.97	
40 05 23 43-0676 EA 10" Tee, Stainless Steel Schedule 40 Type 304	3,503.48	478.25
<i>For Work In Restricted Working Space, Add</i>	307.45	
40 05 23 43-0677 EA 12" Tee, Stainless Steel Schedule 40 Type 304	4,379.34	597.82
<i>For Work In Restricted Working Space, Add</i>	384.31	
40 05 23 43-0678 Reducers <small>(40 05 23 43-0621)</small>		
40 05 23 43-0679 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304	114.52	41.70
<i>For Work In Restricted Working Space, Add</i>	25.04	
40 05 23 43-0680 EA 1" Reducer, Stainless Steel Schedule 40 Type 304	126.82	45.49
<i>For Work In Restricted Working Space, Add</i>	27.29	
40 05 23 43-0681 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304	156.81	50.42
<i>For Work In Restricted Working Space, Add</i>	30.25	
40 05 23 43-0682 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304	133.85	54.96
<i>For Work In Restricted Working Space, Add</i>	32.96	
40 05 23 43-0683 EA 2" Reducer, Stainless Steel Schedule 40 Type 304	147.31	60.66
<i>For Work In Restricted Working Space, Add</i>	36.40	
40 05 23 43-0684 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304	191.00	75.82
<i>For Work In Restricted Working Space, Add</i>	45.49	
40 05 23 43-0685 EA 3" Reducer, Stainless Steel Schedule 40 Type 304	211.58	86.43
<i>For Work In Restricted Working Space, Add</i>	51.79	
40 05 23 43-0686 EA 4" Reducer, Stainless Steel Schedule 40 Type 304	246.24	101.21
<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-0687 EA 6" Reducer, Stainless Steel Schedule 40 Type 304	317.47	128.89
<i>For Work In Restricted Working Space, Add</i>	77.26	
40 05 23 43-0688 EA 8" Reducer, Stainless Steel Schedule 40 Type 304	684.66	191.30
<i>For Work In Restricted Working Space, Add</i>	122.98	
40 05 23 43-0689 EA 10" Reducer, Stainless Steel Schedule 40 Type 304	894.51	239.13
<i>For Work In Restricted Working Space, Add</i>	153.72	
40 05 23 43-0690 EA 12" Reducer, Stainless Steel Schedule 40 Type 304	1,189.12	318.83
<i>For Work In Restricted Working Space, Add</i>	204.97	
40 05 23 43-0691 Flanges <small>(40 05 23 43-0621)</small>		
40 05 23 43-0692 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 304	66.48	17.44
<i>For Work In Restricted Working Space, Add</i>	10.46	
40 05 23 43-0693 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 304	69.52	18.95
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0694 EA 1" Flanges, Stainless Steel Schedule 40 Type 304	82.41	25.40
<i>For Work In Restricted Working Space, Add</i>	15.24	
40 05 23 43-0695 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 304	92.05	26.53
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0696 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 304	107.01	30.33
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0697 EA 2" Flanges, Stainless Steel Schedule 40 Type 304	128.25	34.11
<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-0698 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 304	174.61	43.59
<i>For Work In Restricted Working Space, Add</i>	26.16	
40 05 23 43-0699 EA 3" Flanges, Stainless Steel Schedule 40 Type 304	192.42	50.42
<i>For Work In Restricted Working Space, Add</i>	30.23	
40 05 23 43-0700 EA 4" Flanges, Stainless Steel Schedule 40 Type 304	263.96	68.24
<i>For Work In Restricted Working Space, Add</i>	40.94	
40 05 23 43-0701 EA 6" Flanges, Stainless Steel Schedule 40 Type 304	400.28	101.21
<i>For Work In Restricted Working Space, Add</i>	60.67	
40 05 23 43-0702 EA 8" Flange, Stainless Steel Schedule 40 Type 304	752.78	119.56
<i>For Work In Restricted Working Space, Add</i>	76.86	
40 05 23 43-0703 EA 10" Flange, Stainless Steel Schedule 40 Type 304	1,158.93	139.49
<i>For Work In Restricted Working Space, Add</i>	89.67	
40 05 23 43-0704 EA 12" Flange, Stainless Steel Schedule 40 Type 304	1,611.54	159.41
<i>For Work In Restricted Working Space, Add</i>	102.48	
40 05 23 43-0705 Slip-On Flanges <small>(40 05 23 43-0621)</small>		
40 05 23 43-0706 EA 1/2" Flange, Stainless Steel Schedule 40 Type 304	108.72	37.91
<i>For Work In Restricted Working Space, Add</i>	22.75	
40 05 23 43-0707 EA 3/4" Flange, Stainless Steel Schedule 40 Type 304	113.16	37.91
<i>For Work In Restricted Working Space, Add</i>	22.75	
40 05 23 43-0708 EA 1" Flange, Stainless Steel Schedule 40 Type 304	133.31	46.63
<i>For Work In Restricted Working Space, Add</i>	27.98	
40 05 23 43-0709 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 304	147.16	50.42
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0710 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 304	164.44	55.35
<i>For Work In Restricted Working Space, Add</i>	33.21	
40 05 23 43-0711 EA 2" Flange, Stainless Steel Schedule 40 Type 304	192.86	60.66
<i>For Work In Restricted Working Space, Add</i>	36.37	
40 05 23 43-0712 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 304	239.72	68.24
<i>For Work In Restricted Working Space, Add</i>	40.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0713 EA 3" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	262.14 45.46	75.82
40 05 23 43-0714 EA 4" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	358.07 60.96	101.60
40 05 23 43-0715 EA 6" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	543.16 90.89	151.63
40 05 23 43-0716 EA 8" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,632.18 153.72	239.13
40 05 23 43-0717 Caps <small>(40 05 23 43-0621)</small>		
40 05 23 43-0718 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	55.88 10.46	17.44
40 05 23 43-0719 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	61.83 11.38	18.95
40 05 23 43-0720 EA 1" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	77.29 15.02	25.02
40 05 23 43-0721 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	83.57 15.92	26.53
40 05 23 43-0722 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	93.35 18.20	30.33
40 05 23 43-0723 EA 2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	101.97 20.46	34.11
40 05 23 43-0724 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	126.42 26.16	43.59
40 05 23 43-0725 EA 3" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	144.35 30.23	50.42
40 05 23 43-0726 EA 4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	211.24 40.49	67.47
40 05 23 43-0727 EA 6" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	280.70 60.67	101.21
40 05 23 43-0728 Reducing Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0729 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	148.97 27.46	54.96
40 05 23 43-0730 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	169.79 33.70	67.47
40 05 23 43-0731 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	183.71 37.88	75.82
40 05 23 43-0732 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	236.50 43.20	86.43
40 05 23 43-0733 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	212.00 46.37	92.87
40 05 23 43-0734 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	228.94 50.57	101.21
40 05 23 43-0735 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	365.57 60.59	121.30
40 05 23 43-0736 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	383.61 75.94	151.63
40 05 23 43-0737 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	461.31 85.23	170.58
40 05 23 43-0738 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	910.45 113.63	227.45
40 05 23 43-0739 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,000.77 170.81	318.83
40 05 23 43-0740 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,580.54 256.21	478.25
40 05 23 43-0741 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,475.68 320.26	597.82
40 05 23 43-0742 Type 316, Schedule 40 Pipe And 150 LB Threaded Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0743 Pipe <small>(40 05 23 43-0742)</small>		
40 05 23 43-0744 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	14.19 2.09	3.49
40 05 23 43-0745 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	16.86 2.62	4.39
40 05 23 43-0746 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	21.22 3.15	5.29
40 05 23 43-0747 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	25.84 3.67	6.10
40 05 23 43-0748 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	30.01 4.17	6.91
40 05 23 43-0749 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	38.64 5.24	8.78
40 05 23 43-0750 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	52.45 6.26	10.41
40 05 23 43-0751 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	68.34 7.87	13.09
40 05 23 43-0752 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	91.63 10.38	17.32

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	43-0753		90 Degree Elbows <small>(40 05 23 43-0742)</small>		
	40 05 23 43-0754	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	37.13	13.09
			<i>For Work In Restricted Working Space, Add</i>	7.87	
	40 05 23 43-0755	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	48.32	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
	40 05 23 43-0756	EA	1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	60.07	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
	40 05 23 43-0757	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	86.80	30.09
			<i>For Work In Restricted Working Space, Add</i>	18.07	
	40 05 23 43-0758	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	98.77	35.37
			<i>For Work In Restricted Working Space, Add</i>	21.22	
	40 05 23 43-0759	EA	2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	129.15	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
	40 05 23 43-0760	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	241.26	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
	40 05 23 43-0761	EA	3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	315.41	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.45	
	40 05 23 43-0762	EA	4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	484.12	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.03	
40 05 23	43-0763		45 Degree Elbows <small>(40 05 23 43-0742)</small>		
	40 05 23 43-0764	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	40.97	13.09
			<i>For Work In Restricted Working Space, Add</i>	7.87	
	40 05 23 43-0765	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	52.78	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
	40 05 23 43-0766	EA	1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	62.31	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
	40 05 23 43-0767	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	84.54	30.09
			<i>For Work In Restricted Working Space, Add</i>	18.07	
	40 05 23 43-0768	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	99.92	35.37
			<i>For Work In Restricted Working Space, Add</i>	21.22	
	40 05 23 43-0769	EA	2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	128.19	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
	40 05 23 43-0770	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	274.48	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
	40 05 23 43-0771	EA	3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	379.06	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
	40 05 23 43-0772	EA	4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	585.71	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23	43-0773		Tees <small>(40 05 23 43-0742)</small>		
	40 05 23 43-0774	EA	1/2" Tee, Stainless Steel Schedule 40 Type 316.....	55.09	19.84
			<i>For Work In Restricted Working Space, Add</i>	11.90	
	40 05 23 43-0775	EA	3/4" Tee, Stainless Steel Schedule 40 Type 316.....	71.51	26.27
			<i>For Work In Restricted Working Space, Add</i>	15.74	
	40 05 23 43-0776	EA	1" Tee, Stainless Steel Schedule 40 Type 316.....	85.13	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
	40 05 23 43-0777	EA	1-1/4" Tee, Stainless Steel Schedule 40 Type 316.....	126.04	45.22
			<i>For Work In Restricted Working Space, Add</i>	27.11	
	40 05 23 43-0778	EA	1-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	143.37	50.83
			<i>For Work In Restricted Working Space, Add</i>	30.50	
	40 05 23 43-0779	EA	2" Tee, Stainless Steel Schedule 40 Type 316.....	192.18	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
	40 05 23 43-0780	EA	2-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	361.88	98.00
			<i>For Work In Restricted Working Space, Add</i>	58.79	
	40 05 23 43-0781	EA	3" Tee, Stainless Steel Schedule 40 Type 316.....	517.80	131.19
			<i>For Work In Restricted Working Space, Add</i>	78.70	
	40 05 23 43-0782	EA	4" Tee, Stainless Steel Schedule 40 Type 316.....	738.78	162.65
			<i>For Work In Restricted Working Space, Add</i>	97.59	
40 05 23	43-0783		Reducers <small>(40 05 23 43-0742)</small>		
	40 05 23 43-0784	EA	3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	44.75	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
	40 05 23 43-0785	EA	1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316.....	60.41	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
	40 05 23 43-0786	EA	1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316.....	85.23	30.09
			<i>For Work In Restricted Working Space, Add</i>	18.07	
	40 05 23 43-0787	EA	1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316.....	102.62	35.37
			<i>For Work In Restricted Working Space, Add</i>	21.22	
	40 05 23 43-0788	EA	2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	131.23	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
	40 05 23 43-0789	EA	2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316.....	243.16	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
	40 05 23 43-0790	EA	3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	321.61	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
	40 05 23 43-0791	EA	4" x 3" Reducer, Stainless Steel Schedule 40 Type 316.....	445.52	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0792	Unions <small>(40 05 23 43-0742)</small>			
	EA 1/2" Union, Stainless Steel Schedule 40 Type 316.....		61.41	19.84
	<i>For Work In Restricted Working Space, Add</i>		11.90	
	EA 3/4" Union, Stainless Steel Schedule 40 Type 316.....		80.18	26.27
	<i>For Work In Restricted Working Space, Add</i>		15.74	
	EA 1" Union, Stainless Steel Schedule 40 Type 316.....		109.31	32.53
	<i>For Work In Restricted Working Space, Add</i>		19.52	
	EA 1-1/4" Union, Stainless Steel Schedule 40 Type 316.....		169.42	45.22
	<i>For Work In Restricted Working Space, Add</i>		27.11	
	EA 1-1/2" Union, Stainless Steel Schedule 40 Type 316.....		196.43	50.83
	<i>For Work In Restricted Working Space, Add</i>		30.50	
	EA 2" Union, Stainless Steel Schedule 40 Type 316.....		260.75	67.74
	<i>For Work In Restricted Working Space, Add</i>		40.67	
40 05 23 43-0799	Flanges <small>(40 05 23 43-0742)</small>			
	EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316.....		242.24	67.74
	<i>For Work In Restricted Working Space, Add</i>		40.67	
	EA 3" Flange, Stainless Steel Schedule 40 Type 316.....		293.47	87.42
	<i>For Work In Restricted Working Space, Add</i>		52.47	
	EA 4" Flange, Stainless Steel Schedule 40 Type 316.....		386.08	108.41
	<i>For Work In Restricted Working Space, Add</i>		65.06	
40 05 23 43-0803	Caps <small>(40 05 23 43-0742)</small>			
	EA 1/2" Cap, Stainless Steel Schedule 40 Type 316.....		17.05	6.59
	<i>For Work In Restricted Working Space, Add</i>		3.93	
	EA 3/4" Cap, Stainless Steel Schedule 40 Type 316.....		23.22	8.78
	<i>For Work In Restricted Working Space, Add</i>		5.24	
	EA 1" Cap, Stainless Steel Schedule 40 Type 316.....		30.10	10.82
	<i>For Work In Restricted Working Space, Add</i>		6.50	
	EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316.....		52.75	15.37
	<i>For Work In Restricted Working Space, Add</i>		9.21	
	EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316.....		60.10	17.32
	<i>For Work In Restricted Working Space, Add</i>		10.38	
	EA 2" Cap, Stainless Steel Schedule 40 Type 316.....		76.27	21.96
	<i>For Work In Restricted Working Space, Add</i>		13.19	
	EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316.....		117.09	32.53
	<i>For Work In Restricted Working Space, Add</i>		19.52	
	EA 3" Cap, Stainless Steel Schedule 40 Type 316.....		157.50	42.78
	<i>For Work In Restricted Working Space, Add</i>		25.68	
	EA 4" Cap, Stainless Steel Schedule 40 Type 316.....		241.32	54.25
	<i>For Work In Restricted Working Space, Add</i>		32.53	
40 05 23 43-0813	Type 316 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>			
40 05 23 43-0814	Pipe <small>(40 05 23 43-0813)</small>			
	LF 1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		14.93	3.41
	<i>For Work In Restricted Working Space, Add</i>		2.05	
	LF 3/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		17.66	4.17
	<i>For Work In Restricted Working Space, Add</i>		2.50	
	LF 1" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		21.06	4.93
	<i>For Work In Restricted Working Space, Add</i>		2.94	
	LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		25.09	6.14
	<i>For Work In Restricted Working Space, Add</i>		3.67	
	LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		28.63	6.90
	<i>For Work In Restricted Working Space, Add</i>		4.14	
	LF 2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		35.68	8.57
	<i>For Work In Restricted Working Space, Add</i>		5.12	
	LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		45.40	9.78
	<i>For Work In Restricted Working Space, Add</i>		5.85	
	LF 3" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		53.19	10.99
	<i>For Work In Restricted Working Space, Add</i>		6.59	
	LF 4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		65.89	13.04
	<i>For Work In Restricted Working Space, Add</i>		7.80	
	LF 6" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....		108.12	17.13
	<i>For Work In Restricted Working Space, Add</i>		10.25	
	LF 8" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....		178.46	30.45
	<i>For Work In Restricted Working Space, Add</i>		19.56	
	LF 10" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....		231.20	33.48
	<i>For Work In Restricted Working Space, Add</i>		21.52	
	LF 12" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....		264.85	37.22
	<i>For Work In Restricted Working Space, Add</i>		23.91	
	LF 14" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....		327.46	41.85
	<i>For Work In Restricted Working Space, Add</i>		26.90	
	LF 16" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....		359.86	47.83
	<i>For Work In Restricted Working Space, Add</i>		30.75	
	LF 18" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....		402.25	55.80
	<i>For Work In Restricted Working Space, Add</i>		35.87	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0831	LF		20" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	540.80 43.04	66.95
40 05 23 43-0832	LF		24" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	706.28 53.80	83.69
40 05 23 43-0833			90 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0834	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	104.34 25.93	43.22
40 05 23 43-0835	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	110.58 27.52	45.87
40 05 23 43-0836	EA		1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.31 30.25	50.42
40 05 23 43-0837	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	142.74 32.99	54.96
40 05 23 43-0838	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	146.95 36.36	60.66
40 05 23 43-0839	EA		2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	169.55 40.50	67.47
40 05 23 43-0840	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	221.80 51.79	86.43
40 05 23 43-0841	EA		3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	264.14 60.62	101.21
40 05 23 43-0842	EA		4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	356.83 72.62	121.30
40 05 23 43-0843	EA		6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	630.67 90.83	151.63
40 05 23 43-0844	EA		8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,069.83 153.72	239.13
40 05 23 43-0845	EA		10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,830.85 204.97	318.83
40 05 23 43-0846	EA		12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,123.89 307.45	478.25
40 05 23 43-0847	EA		14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,645.47 358.69	557.96
40 05 23 43-0848	EA		16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,558.46 409.15	637.67
40 05 23 43-0849	EA		18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,816.09 512.41	797.08
40 05 23 43-0850	EA		20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	9,651.78 717.38	1,115.92
40 05 23 43-0851	EA		24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,370.02 1,024.82	1,594.17
40 05 23 43-0852			45 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0853	EA		1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.18 25.93	43.22
40 05 23 43-0854	EA		3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	117.49 27.52	45.87
40 05 23 43-0855	EA		1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	129.86 30.25	50.42
40 05 23 43-0856	EA		1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	159.05 32.96	54.96
40 05 23 43-0857	EA		1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.69 36.40	60.66
40 05 23 43-0858	EA		2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	165.33 40.50	67.47
40 05 23 43-0859	EA		2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	223.15 51.84	86.43
40 05 23 43-0860	EA		3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	254.03 60.75	101.21
40 05 23 43-0861	EA		4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	333.72 72.71	121.30
40 05 23 43-0862	EA		6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	500.00 90.98	151.63
40 05 23 43-0863	EA		8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	856.70 153.72	239.13
40 05 23 43-0864	EA		10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,456.11 204.97	318.83
40 05 23 43-0865	EA		12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,254.43 307.45	478.25
40 05 23 43-0866	EA		14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,825.73 358.69	557.96
40 05 23 43-0867	EA		16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,506.85 409.15	637.67
40 05 23 43-0868	EA		18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,834.75 512.41	797.08
40 05 23 43-0869	EA		20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,375.34 717.38	1,115.92
40 05 23 43-0870	EA		24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	11,297.26 1,024.82	1,594.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0871 Tees <small>(40 05 23 43-0813)</small>		
40 05 23 43-0872 EA 1/2" Tees, Stainless Steel Schedule 5 Type 316.....	182.45	54.96
<i>For Work In Restricted Working Space, Add</i>	<i>32.95</i>	
40 05 23 43-0873 EA 3/4" Tees, Stainless Steel Schedule 5 Type 316.....	207.46	67.47
<i>For Work In Restricted Working Space, Add</i>	<i>40.46</i>	
40 05 23 43-0874 EA 1" Tees, Stainless Steel Schedule 5 Type 316.....	220.60	75.82
<i>For Work In Restricted Working Space, Add</i>	<i>45.45</i>	
40 05 23 43-0875 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 316.....	291.07	86.43
<i>For Work In Restricted Working Space, Add</i>	<i>51.84</i>	
40 05 23 43-0876 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	254.55	92.87
<i>For Work In Restricted Working Space, Add</i>	<i>55.64</i>	
40 05 23 43-0877 EA 2" Tees, Stainless Steel Schedule 5 Type 316.....	274.90	101.21
<i>For Work In Restricted Working Space, Add</i>	<i>60.69</i>	
40 05 23 43-0878 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	448.49	121.30
<i>For Work In Restricted Working Space, Add</i>	<i>72.71</i>	
40 05 23 43-0879 EA 3" Tees, Stainless Steel Schedule 5 Type 316.....	438.42	151.63
<i>For Work In Restricted Working Space, Add</i>	<i>91.13</i>	
40 05 23 43-0880 EA 4" Tees, Stainless Steel Schedule 5 Type 316.....	530.61	170.58
<i>For Work In Restricted Working Space, Add</i>	<i>102.27</i>	
40 05 23 43-0881 EA 6" Tees, Stainless Steel Schedule 5 Type 316.....	1,028.36	227.45
<i>For Work In Restricted Working Space, Add</i>	<i>136.36</i>	
40 05 23 43-0882 EA 8" Tee, Stainless Steel Schedule 5 Type 316.....	1,994.80	318.83
<i>For Work In Restricted Working Space, Add</i>	<i>204.97</i>	
40 05 23 43-0883 EA 10" Tee, Stainless Steel Schedule 5 Type 316.....	3,085.88	478.25
<i>For Work In Restricted Working Space, Add</i>	<i>307.45</i>	
40 05 23 43-0884 EA 12" Tee, Stainless Steel Schedule 5 Type 316.....	3,915.90	597.82
<i>For Work In Restricted Working Space, Add</i>	<i>384.31</i>	
40 05 23 43-0885 EA 14" Tee, Stainless Steel Schedule 5 Type 316.....	4,989.35	717.38
<i>For Work In Restricted Working Space, Add</i>	<i>461.83</i>	
40 05 23 43-0886 EA 16" Tee, Stainless Steel Schedule 5 Type 316.....	5,559.74	876.80
<i>For Work In Restricted Working Space, Add</i>	<i>563.39</i>	
40 05 23 43-0887 EA 18" Tee, Stainless Steel Schedule 5 Type 316.....	6,782.70	1,115.92
<i>For Work In Restricted Working Space, Add</i>	<i>717.38</i>	
40 05 23 43-0888 EA 20" Tee, Stainless Steel Schedule 5 Type 316.....	10,360.07	1,474.60
<i>For Work In Restricted Working Space, Add</i>	<i>943.92</i>	
40 05 23 43-0889 EA 24" Tee, Stainless Steel Schedule 5 Type 316.....	15,891.11	2,231.84
<i>For Work In Restricted Working Space, Add</i>	<i>1,434.75</i>	
40 05 23 43-0890 Reducers <small>(40 05 23 43-0813)</small>		
40 05 23 43-0891 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 316.....	118.31	41.70
<i>For Work In Restricted Working Space, Add</i>	<i>25.04</i>	
40 05 23 43-0892 EA 1" Reducer, Stainless Steel Schedule 5 Type 316.....	131.20	45.49
<i>For Work In Restricted Working Space, Add</i>	<i>27.29</i>	
40 05 23 43-0893 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 316.....	163.64	50.42
<i>For Work In Restricted Working Space, Add</i>	<i>30.25</i>	
40 05 23 43-0894 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	136.77	54.96
<i>For Work In Restricted Working Space, Add</i>	<i>32.96</i>	
40 05 23 43-0895 EA 2" Reducer, Stainless Steel Schedule 5 Type 316.....	150.48	60.66
<i>For Work In Restricted Working Space, Add</i>	<i>36.40</i>	
40 05 23 43-0896 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	195.80	75.82
<i>For Work In Restricted Working Space, Add</i>	<i>45.49</i>	
40 05 23 43-0897 EA 3" Reducer, Stainless Steel Schedule 5 Type 316.....	216.33	86.43
<i>For Work In Restricted Working Space, Add</i>	<i>51.79</i>	
40 05 23 43-0898 EA 4" Reducer, Stainless Steel Schedule 5 Type 316.....	251.61	101.21
<i>For Work In Restricted Working Space, Add</i>	<i>60.69</i>	
40 05 23 43-0899 EA 6" Reducer, Stainless Steel Schedule 5 Type 316.....	324.78	128.89
<i>For Work In Restricted Working Space, Add</i>	<i>77.26</i>	
40 05 23 43-0900 EA 8" Reducer, Stainless Steel Schedule 5 Type 316.....	718.20	191.30
<i>For Work In Restricted Working Space, Add</i>	<i>122.98</i>	
40 05 23 43-0901 EA 10" Reducer, Stainless Steel Schedule 5 Type 316.....	941.16	239.13
<i>For Work In Restricted Working Space, Add</i>	<i>153.72</i>	
40 05 23 43-0902 EA 12" Reducer, Stainless Steel Schedule 5 Type 316.....	1,250.88	318.83
<i>For Work In Restricted Working Space, Add</i>	<i>204.97</i>	
40 05 23 43-0903 EA 14" Reducer, Stainless Steel Schedule 5 Type 316.....	1,662.32	418.47
<i>For Work In Restricted Working Space, Add</i>	<i>269.02</i>	
40 05 23 43-0904 EA 16" Reducer, Stainless Steel Schedule 5 Type 316.....	1,976.17	478.25
<i>For Work In Restricted Working Space, Add</i>	<i>306.57</i>	
40 05 23 43-0905 EA 18" Reducer, Stainless Steel Schedule 5 Type 316.....	2,456.48	597.82
<i>For Work In Restricted Working Space, Add</i>	<i>384.31</i>	
40 05 23 43-0906 EA 20" Reducer, Stainless Steel Schedule 5 Type 316.....	3,743.22	797.08
<i>For Work In Restricted Working Space, Add</i>	<i>512.41</i>	
40 05 23 43-0907 EA 24" Reducer, Stainless Steel Schedule 5 Type 316.....	5,879.15	1,195.63
<i>For Work In Restricted Working Space, Add</i>	<i>768.62</i>	
40 05 23 43-0908 Weld Neck Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0909 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 316.....	68.92	17.44
<i>For Work In Restricted Working Space, Add</i>	<i>10.46</i>	
40 05 23 43-0910 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 316.....	71.96	18.95
<i>For Work In Restricted Working Space, Add</i>	<i>11.38</i>	
40 05 23 43-0911 EA 1" Flanges, Stainless Steel Schedule 5 Type 316.....	84.86	25.40
<i>For Work In Restricted Working Space, Add</i>	<i>15.25</i>	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0912 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	95.06 15.92	26.53
40 05 23 43-0913 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	110.59 18.20	30.33
40 05 23 43-0914 EA 2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	132.88 20.45	34.11
40 05 23 43-0915 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	181.36 26.16	43.59
40 05 23 43-0916 EA 3" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	199.50 30.23	50.42
40 05 23 43-0917 EA 4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	273.78 40.94	68.24
40 05 23 43-0918 EA 6" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	415.62 60.69	101.21
40 05 23 43-0919 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	791.11 76.86	119.56
40 05 23 43-0920 EA 10" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,225.32 89.67	139.49
40 05 23 43-0921 EA 12" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,709.58 102.48	159.41
40 05 23 43-0922 EA 14" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,271.60 128.10	199.28
40 05 23 43-0923 EA 16" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,048.73 153.72	239.13
40 05 23 43-0924 EA 18" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,156.32 179.35	278.98
40 05 23 43-0925 EA 20" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,367.82 217.83	338.76
40 05 23 43-0926 EA 24" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	9,912.80 281.69	438.39
40 05 23 43-0927 Slip-On Flanges (40 05 23 43-0813)		
40 05 23 43-0928 EA 1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	111.26 22.75	37.91
40 05 23 43-0929 EA 3/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	116.04 22.75	37.91
40 05 23 43-0930 EA 1" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	136.40 27.98	46.63
40 05 23 43-0931 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	150.75 30.25	50.42
40 05 23 43-0932 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	168.59 33.21	55.35
40 05 23 43-0933 EA 2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	198.36 36.36	60.66
40 05 23 43-0934 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	247.67 40.94	68.24
40 05 23 43-0935 EA 3" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	270.67 45.45	75.82
40 05 23 43-0936 EA 4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	369.98 60.95	101.60
40 05 23 43-0937 EA 6" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	561.50 90.83	151.63
40 05 23 43-0938 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,718.62 153.72	239.13
40 05 23 43-0939 Caps (40 05 23 43-0813)		
40 05 23 43-0940 EA 1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	57.50 10.46	17.44
40 05 23 43-0941 EA 3/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	63.68 11.38	18.95
40 05 23 43-0942 EA 1" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	79.40 15.02	25.02
40 05 23 43-0943 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	85.93 15.92	26.53
40 05 23 43-0944 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	95.88 18.20	30.33
40 05 23 43-0945 EA 2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	104.57 20.45	34.11
40 05 23 43-0946 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	129.45 26.16	43.59
40 05 23 43-0947 EA 3" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	147.72 30.23	50.42
40 05 23 43-0948 EA 4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	217.08 40.47	67.47
40 05 23 43-0949 EA 6" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	286.81 60.69	101.21
40 05 23 43-0950 Reducing Tees (40 05 23 43-0813)		
40 05 23 43-0951 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	157.11 27.53	54.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0952 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	177.82 33.74	67.47
40 05 23 43-0953 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	213.85 37.91	75.82
40 05 23 43-0954 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	207.42 43.22	86.43
40 05 23 43-0955 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	226.44 46.44	92.87
40 05 23 43-0956 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	347.79 50.61	101.21
40 05 23 43-0957 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	326.19 60.66	121.30
40 05 23 43-0958 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	431.82 75.82	151.63
40 05 23 43-0959 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	826.07 86.63	173.25
40 05 23 43-0960 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,551.91 128.10	239.13
40 05 23 43-0961 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,525.70 170.81	318.83
40 05 23 43-0962 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,355.94 256.21	478.25
40 05 23 43-0963 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,291.16 307.80	574.70
40 05 23 43-0964 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,748.15 375.46	701.03
40 05 23 43-0965 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,768.63 478.25	892.73
40 05 23 43-0966 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,944.81 629.28	1,174.50
40 05 23 43-0967 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,736.00 955.65	1,784.67
40 05 23 43-0968 Type 316 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0968)		
40 05 23 43-0968 Pipe (40 05 23 43-0968)		
40 05 23 43-0970 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	14.84 2.05	3.41
40 05 23 43-0971 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	17.61 2.50	4.17
40 05 23 43-0972 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	23.59 2.94	4.93
40 05 23 43-0973 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.74 3.67	6.14
40 05 23 43-0974 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.94 4.14	6.90
40 05 23 43-0975 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	39.48 5.12	8.57
40 05 23 43-0976 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.39 5.85	9.78
40 05 23 43-0977 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	56.14 6.59	10.99
40 05 23 43-0978 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	70.84 7.80	13.04
40 05 23 43-0979 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	104.13 10.25	17.13
40 05 23 43-0980 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	172.36 19.56	30.45
40 05 23 43-0981 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	222.61 21.52	33.48
40 05 23 43-0982 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	267.77 23.91	37.22
40 05 23 43-0983 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	331.22 26.90	41.85
40 05 23 43-0984 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	363.91 30.75	47.83
40 05 23 43-0985 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	406.70 35.87	55.80
40 05 23 43-0986 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	569.48 43.04	66.95
40 05 23 43-0987 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	744.33 53.80	83.69
40 05 23 43-0988 90 Degree Elbows (40 05 23 43-0988)		
40 05 23 43-0989 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	100.81 25.93	43.22
40 05 23 43-0990 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	106.12 27.52	45.87
40 05 23 43-0991 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	115.22 30.25	50.42
40 05 23 43-0992 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	130.92 32.99	54.96

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0993 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.98 36.36	60.66
40 05 23 43-0994 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	163.14 40.51	67.47
40 05 23 43-0995 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	212.50 51.80	86.43
40 05 23 43-0996 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	252.36 60.65	101.21
40 05 23 43-0997 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	335.94 72.67	121.30
40 05 23 43-0998 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	570.36 90.79	151.63
40 05 23 43-0999 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,123.26 153.72	239.13
40 05 23 43-1000 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,816.43 204.97	318.83
40 05 23 43-1001 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,802.59 307.45	478.25
40 05 23 43-1002 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,599.83 358.69	557.96
40 05 23 43-1003 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,498.16 409.15	637.67
40 05 23 43-1004 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,733.92 512.41	797.08
40 05 23 43-1005 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	9,523.05 717.38	1,115.92
40 05 23 43-1006 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,181.22 1,024.82	1,594.17
40 05 23 43-1007 45 Degree Elbows <small>(40 05 23 43-0968)</small>		
40 05 23 43-1008 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	106.71 25.93	43.22
40 05 23 43-1009 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.02 27.52	45.87
40 05 23 43-1010 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.12 30.25	50.42
40 05 23 43-1011 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	132.60 32.97	54.96
40 05 23 43-1012 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	144.56 36.41	60.66
40 05 23 43-1013 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	173.63 40.51	67.47
40 05 23 43-1014 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	211.72 51.84	86.43
40 05 23 43-1015 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	242.95 60.72	101.21
40 05 23 43-1016 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	313.80 72.73	121.30
40 05 23 43-1017 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	455.71 90.98	151.63
40 05 23 43-1018 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	978.97 153.72	239.13
40 05 23 43-1019 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,451.78 204.97	318.83
40 05 23 43-1020 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,250.75 307.45	478.25
40 05 23 43-1021 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,820.90 358.69	557.96
40 05 23 43-1022 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,499.89 409.15	637.67
40 05 23 43-1023 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,825.59 512.41	797.08
40 05 23 43-1024 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,362.95 717.38	1,115.92
40 05 23 43-1025 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	11,271.47 1,024.82	1,594.17
40 05 23 43-1026 Tees <small>(40 05 23 43-0968)</small>		
40 05 23 43-1027 EA 1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	158.11 32.95	54.96
40 05 23 43-1028 EA 3/4" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	183.12 40.46	67.47
40 05 23 43-1029 EA 1" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	199.78 45.45	75.82
40 05 23 43-1030 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	225.96 51.86	86.43
40 05 23 43-1031 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	240.24 55.66	92.87
40 05 23 43-1032 EA 2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	287.58 60.69	101.21
40 05 23 43-1033 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	347.02 72.73	121.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1034 EA 3" Tees, Stainless Steel Schedule 10 Type 316.....	451.67	151.63
<i>For Work In Restricted Working Space, Add</i>	91.10	
40 05 23 43-1035 EA 4" Tees, Stainless Steel Schedule 10 Type 316.....	501.74	170.58
<i>For Work In Restricted Working Space, Add</i>	102.25	
40 05 23 43-1036 EA 6" Tees, Stainless Steel Schedule 10 Type 316.....	902.16	227.45
<i>For Work In Restricted Working Space, Add</i>	136.46	
40 05 23 43-1037 EA 8" Tee, Stainless Steel Schedule 10 Type 316.....	1,538.61	318.83
<i>For Work In Restricted Working Space, Add</i>	204.97	
40 05 23 43-1038 EA 10" Tee, Stainless Steel Schedule 10 Type 316.....	2,253.47	478.25
<i>For Work In Restricted Working Space, Add</i>	307.45	
40 05 23 43-1039 EA 12" Tee, Stainless Steel Schedule 10 Type 316.....	3,943.08	597.82
<i>For Work In Restricted Working Space, Add</i>	384.31	
40 05 23 43-1040 EA 14" Tee, Stainless Steel Schedule 10 Type 316.....	5,027.40	717.38
<i>For Work In Restricted Working Space, Add</i>	461.83	
40 05 23 43-1041 EA 16" Tee, Stainless Steel Schedule 10 Type 316.....	5,598.00	876.80
<i>For Work In Restricted Working Space, Add</i>	563.39	
40 05 23 43-1042 EA 18" Tee, Stainless Steel Schedule 10 Type 316.....	6,828.01	1,115.92
<i>For Work In Restricted Working Space, Add</i>	717.38	
40 05 23 43-1043 EA 20" Tee, Stainless Steel Schedule 10 Type 316.....	10,453.22	1,474.60
<i>For Work In Restricted Working Space, Add</i>	943.92	
40 05 23 43-1044 EA 24" Tee, Stainless Steel Schedule 10 Type 316.....	16,006.25	2,231.84
<i>For Work In Restricted Working Space, Add</i>	1,434.75	
40 05 23 43-1045 Reducers (40 05 23 43-0968)		
40 05 23 43-1046 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 316.....	120.14	41.70
<i>For Work In Restricted Working Space, Add</i>	25.04	
40 05 23 43-1047 EA 1" Reducer, Stainless Steel Schedule 10 Type 316.....	133.33	45.49
<i>For Work In Restricted Working Space, Add</i>	27.29	
40 05 23 43-1048 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 316.....	166.95	50.42
<i>For Work In Restricted Working Space, Add</i>	30.25	
40 05 23 43-1049 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 316.....	138.17	54.96
<i>For Work In Restricted Working Space, Add</i>	32.96	
40 05 23 43-1050 EA 2" Reducer, Stainless Steel Schedule 10 Type 316.....	151.99	60.66
<i>For Work In Restricted Working Space, Add</i>	36.39	
40 05 23 43-1051 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 316.....	198.11	75.82
<i>For Work In Restricted Working Space, Add</i>	45.48	
40 05 23 43-1052 EA 3" Reducer, Stainless Steel Schedule 10 Type 316.....	218.67	86.43
<i>For Work In Restricted Working Space, Add</i>	51.80	
40 05 23 43-1053 EA 4" Reducer, Stainless Steel Schedule 10 Type 316.....	254.21	101.21
<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-1054 EA 6" Reducer, Stainless Steel Schedule 10 Type 316.....	328.36	128.89
<i>For Work In Restricted Working Space, Add</i>	77.27	
40 05 23 43-1055 EA 8" Reducer, Stainless Steel Schedule 10 Type 316.....	734.43	191.30
<i>For Work In Restricted Working Space, Add</i>	122.98	
40 05 23 43-1056 EA 10" Reducer, Stainless Steel Schedule 10 Type 316.....	963.73	239.13
<i>For Work In Restricted Working Space, Add</i>	153.72	
40 05 23 43-1057 EA 12" Reducer, Stainless Steel Schedule 10 Type 316.....	1,280.75	318.83
<i>For Work In Restricted Working Space, Add</i>	204.97	
40 05 23 43-1058 EA 14" Reducer, Stainless Steel Schedule 10 Type 316.....	1,702.61	418.47
<i>For Work In Restricted Working Space, Add</i>	269.02	
40 05 23 43-1059 EA 16" Reducer, Stainless Steel Schedule 10 Type 316.....	2,027.27	478.25
<i>For Work In Restricted Working Space, Add</i>	306.83	
40 05 23 43-1060 EA 18" Reducer, Stainless Steel Schedule 10 Type 316.....	2,518.35	597.82
<i>For Work In Restricted Working Space, Add</i>	384.31	
40 05 23 43-1061 EA 20" Reducer, Stainless Steel Schedule 10 Type 316.....	3,850.34	797.08
<i>For Work In Restricted Working Space, Add</i>	512.41	
40 05 23 43-1062 EA 24" Reducer, Stainless Steel Schedule 10 Type 316.....	6,053.73	1,195.63
<i>For Work In Restricted Working Space, Add</i>	768.62	
40 05 23 43-1063 Flanges (40 05 23 43-0968)		
40 05 23 43-1064 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	70.71	17.44
<i>For Work In Restricted Working Space, Add</i>	10.46	
40 05 23 43-1065 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 316.....	73.75	18.95
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-1066 EA 1" Flanges, Stainless Steel Schedule 10 Type 316.....	86.64	25.40
<i>For Work In Restricted Working Space, Add</i>	15.24	
40 05 23 43-1067 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 316.....	97.27	26.53
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-1068 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	113.22	30.33
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-1069 EA 2" Flanges, Stainless Steel Schedule 10 Type 316.....	136.29	34.11
<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-1070 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	186.32	43.59
<i>For Work In Restricted Working Space, Add</i>	26.16	
40 05 23 43-1071 EA 3" Flanges, Stainless Steel Schedule 10 Type 316.....	204.70	50.42
<i>For Work In Restricted Working Space, Add</i>	30.23	
40 05 23 43-1072 EA 4" Flanges, Stainless Steel Schedule 10 Type 316.....	281.03	68.24
<i>For Work In Restricted Working Space, Add</i>	40.94	
40 05 23 43-1073 EA 6" Flanges, Stainless Steel Schedule 10 Type 316.....	426.80	101.21
<i>For Work In Restricted Working Space, Add</i>	60.67	
40 05 23 43-1074 EA 8" Flange, Stainless Steel Schedule 10 Type 316.....	819.27	119.56
<i>For Work In Restricted Working Space, Add</i>	76.86	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1075 EA 10" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,274.08 89.67	139.49
40 05 23 43-1076 EA 12" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,781.58 102.48	159.41
40 05 23 43-1077 EA 14" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,368.69 128.10	199.28
40 05 23 43-1078 EA 16" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,182.22 153.72	239.13
40 05 23 43-1079 EA 18" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,290.98 179.35	278.98
40 05 23 43-1080 EA 20" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,559.49 217.83	338.76
40 05 23 43-1081 EA 24" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,385.10 281.69	438.39
40 05 23 43-1082 Slip-On Flanges (40 05 23 43-0968)		
40 05 23 43-1083 EA 1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	113.13 22.75	37.91
40 05 23 43-1084 EA 3/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	118.15 22.75	37.91
40 05 23 43-1085 EA 1" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	138.67 27.98	46.63
40 05 23 43-1086 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	153.37 30.24	50.42
40 05 23 43-1087 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	171.63 33.21	55.35
40 05 23 43-1088 EA 2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	202.46 36.37	60.66
40 05 23 43-1089 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	253.54 40.94	68.24
40 05 23 43-1090 EA 3" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	276.96 45.46	75.82
40 05 23 43-1091 EA 4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	378.80 60.96	101.60
40 05 23 43-1092 EA 6" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	575.32 90.89	151.63
40 05 23 43-1093 EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,782.11 153.72	239.13
40 05 23 43-1094 Caps (40 05 23 43-0968)		
40 05 23 43-1095 EA 1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	58.69 10.46	17.44
40 05 23 43-1096 EA 3/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	65.03 11.38	18.95
40 05 23 43-1097 EA 1" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	80.94 15.02	25.02
40 05 23 43-1098 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	87.66 15.92	26.53
40 05 23 43-1099 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	97.73 18.20	30.33
40 05 23 43-1100 EA 2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	106.50 20.46	34.11
40 05 23 43-1101 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	131.67 26.16	43.59
40 05 23 43-1102 EA 3" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	150.19 30.23	50.42
40 05 23 43-1103 EA 4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	221.46 40.49	67.47
40 05 23 43-1104 EA 6" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	291.21 60.67	101.21
40 05 23 43-1105 Reducing Tees (40 05 23 43-0968)		
40 05 23 43-1106 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	162.30 27.53	54.96
40 05 23 43-1107 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	200.74 33.74	67.47
40 05 23 43-1108 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	223.58 37.91	75.82
40 05 23 43-1109 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	250.19 43.22	86.43
40 05 23 43-1110 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	279.39 46.44	92.87
40 05 23 43-1111 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	418.66 50.61	101.21
40 05 23 43-1112 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	418.49 60.66	121.30
40 05 23 43-1113 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	517.57 75.82	151.63
40 05 23 43-1114 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	942.33 86.63	173.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1115 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,676.89 128.10	239.13
40 05 23 43-1116 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,644.39 170.81	318.83
40 05 23 43-1117 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,743.73 256.21	478.25
40 05 23 43-1118 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,122.50 307.80	574.70
40 05 23 43-1119 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,687.14 375.46	701.03
40 05 23 43-1120 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,077.01 478.25	892.73
40 05 23 43-1121 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	10,734.73 629.28	1,174.67
40 05 23 43-1122 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	16,062.43 955.65	1,784.52
40 05 23 43-1123 Type 316 Schedule 40 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-1124 Pipe <small>(40 05 23 43-1123)</small>		
40 05 23 43-1125 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	16.98 2.05	3.41
40 05 23 43-1126 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	20.60 2.50	4.17
40 05 23 43-1127 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	25.36 2.94	4.93
40 05 23 43-1128 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	31.69 3.67	6.06
40 05 23 43-1129 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	36.58 4.14	6.83
40 05 23 43-1130 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	47.01 5.12	8.71
40 05 23 43-1131 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	58.76 5.85	9.86
40 05 23 43-1132 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	56.52 6.99	10.99
40 05 23 43-1133 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	95.89 7.80	12.89
40 05 23 43-1134 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	150.91 10.25	17.06
40 05 23 43-1135 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	265.35 19.56	30.29
40 05 23 43-1136 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	338.58 21.52	33.48
40 05 23 43-1137 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	424.39 23.91	37.07
40 05 23 43-1138 90 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1139 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	107.26 25.93	43.22
40 05 23 43-1140 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.57 27.52	45.87
40 05 23 43-1141 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	124.49 30.25	50.42
40 05 23 43-1142 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	145.35 32.99	54.96
40 05 23 43-1143 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	150.72 36.36	60.66
40 05 23 43-1144 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	174.38 40.51	67.47
40 05 23 43-1145 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	254.64 51.80	86.43
40 05 23 43-1146 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	313.41 60.65	101.21
40 05 23 43-1147 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	438.97 72.67	121.30
40 05 23 43-1148 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	958.42 90.79	151.63
40 05 23 43-1149 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,613.20 153.72	239.13
40 05 23 43-1150 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,013.61 204.97	318.83
40 05 23 43-1151 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,245.22 307.45	478.25
40 05 23 43-1152 45 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1153 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	115.93 25.93	43.22
40 05 23 43-1154 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.24 27.52	45.87

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1155 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	130.34 30.25	50.42
40 05 23 43-1156 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	139.40 32.97	54.96
40 05 23 43-1157 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	160.70 36.41	60.66
40 05 23 43-1158 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	176.37 40.51	67.47
40 05 23 43-1159 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	251.26 51.84	86.43
40 05 23 43-1160 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	280.87 60.72	101.21
40 05 23 43-1161 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	380.62 72.73	121.30
40 05 23 43-1162 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	696.73 90.98	151.63
40 05 23 43-1163 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,238.46 153.72	239.13
40 05 23 43-1164 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,076.77 204.97	318.83
40 05 23 43-1165 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,828.25 307.45	478.25
40 05 23 43-1166 Tees (40 05 23 43-1123)		
40 05 23 43-1167 EA 1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	178.93 32.95	54.96
40 05 23 43-1168 EA 3/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	203.94 40.46	67.47
40 05 23 43-1169 EA 1" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	220.60 45.45	75.82
40 05 23 43-1170 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	284.11 51.86	86.43
40 05 23 43-1171 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	254.62 55.66	92.87
40 05 23 43-1172 EA 2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	274.92 60.69	101.21
40 05 23 43-1173 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	439.18 72.73	121.30
40 05 23 43-1174 EA 3" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	460.57 91.10	151.63
40 05 23 43-1175 EA 4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	553.97 102.25	170.58
40 05 23 43-1176 EA 6" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,094.26 136.46	227.45
40 05 23 43-1177 EA 8" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,404.67 204.97	318.83
40 05 23 43-1178 EA 10" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,303.78 307.45	478.25
40 05 23 43-1179 EA 12" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,379.71 384.31	597.82
40 05 23 43-1180 Reducers (40 05 23 43-1123)		
40 05 23 43-1181 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	124.54 25.04	41.70
40 05 23 43-1182 EA 1" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	138.40 27.29	45.49
40 05 23 43-1183 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	174.89 30.25	50.42
40 05 23 43-1184 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	141.59 32.96	54.96
40 05 23 43-1185 EA 2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	155.70 36.40	60.66
40 05 23 43-1186 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	203.71 45.49	75.82
40 05 23 43-1187 EA 3" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	224.16 51.79	86.43
40 05 23 43-1188 EA 4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	260.44 60.69	101.21
40 05 23 43-1189 EA 6" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	336.82 77.26	128.89
40 05 23 43-1190 EA 8" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	773.36 122.98	191.30
40 05 23 43-1191 EA 10" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,017.88 153.72	239.13
40 05 23 43-1192 EA 12" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,352.46 204.97	318.83
40 05 23 43-1193 Flanges (40 05 23 43-1123)		
40 05 23 43-1194 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	75.01 10.46	17.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1195 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 316	78.05	18.95
For Work In Restricted Working Space, Add	11.38	
40 05 23 43-1196 EA 1" Flanges, Stainless Steel Schedule 40 Type 316	90.94	25.40
For Work In Restricted Working Space, Add	15.24	
40 05 23 43-1197 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 316	102.57	26.53
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-1198 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 316	119.52	30.33
For Work In Restricted Working Space, Add	18.20	
40 05 23 43-1199 EA 2" Flanges, Stainless Steel Schedule 40 Type 316	144.46	34.11
For Work In Restricted Working Space, Add	20.46	
40 05 23 43-1200 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 316	198.21	43.59
For Work In Restricted Working Space, Add	26.16	
40 05 23 43-1201 EA 3" Flanges, Stainless Steel Schedule 40 Type 316	217.17	50.42
For Work In Restricted Working Space, Add	30.23	
40 05 23 43-1202 EA 4" Flanges, Stainless Steel Schedule 40 Type 316	298.37	68.24
For Work In Restricted Working Space, Add	40.94	
40 05 23 43-1203 EA 6" Flanges, Stainless Steel Schedule 40 Type 316	453.75	101.21
For Work In Restricted Working Space, Add	60.67	
40 05 23 43-1204 EA 8" Flange, Stainless Steel Schedule 40 Type 316	886.84	119.56
For Work In Restricted Working Space, Add	76.86	
40 05 23 43-1205 EA 10" Flange, Stainless Steel Schedule 40 Type 316	1,391.10	139.49
For Work In Restricted Working Space, Add	89.67	
40 05 23 43-1206 EA 12" Flange, Stainless Steel Schedule 40 Type 316	1,954.37	159.41
For Work In Restricted Working Space, Add	102.48	
 40 05 23 43-1207 Slip-On Flanges (40 05 23 43-1123)		
40 05 23 43-1208 EA 1/2" Flange, Stainless Steel Schedule 40 Type 316	117.60	37.91
For Work In Restricted Working Space, Add	22.75	
40 05 23 43-1209 EA 3/4" Flange, Stainless Steel Schedule 40 Type 316	123.23	37.91
For Work In Restricted Working Space, Add	22.75	
40 05 23 43-1210 EA 1" Flange, Stainless Steel Schedule 40 Type 316	144.12	46.63
For Work In Restricted Working Space, Add	27.98	
40 05 23 43-1211 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 316	159.67	50.42
For Work In Restricted Working Space, Add	30.24	
40 05 23 43-1212 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 316	178.94	55.35
For Work In Restricted Working Space, Add	33.21	
40 05 23 43-1213 EA 2" Flange, Stainless Steel Schedule 40 Type 316	212.20	60.66
For Work In Restricted Working Space, Add	36.37	
40 05 23 43-1214 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316	267.59	68.24
For Work In Restricted Working Space, Add	40.94	
40 05 23 43-1215 EA 3" Flange, Stainless Steel Schedule 40 Type 316	292.01	75.82
For Work In Restricted Working Space, Add	45.46	
40 05 23 43-1216 EA 4" Flange, Stainless Steel Schedule 40 Type 316	399.87	101.60
For Work In Restricted Working Space, Add	60.96	
40 05 23 43-1217 EA 6" Flange, Stainless Steel Schedule 40 Type 316	608.00	151.63
For Work In Restricted Working Space, Add	90.89	
40 05 23 43-1218 EA 8" Flange, Stainless Steel Schedule 40 Type 316	1,934.47	239.13
For Work In Restricted Working Space, Add	153.72	
 40 05 23 43-1219 Caps (40 05 23 43-1123)		
40 05 23 43-1220 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316	61.54	17.44
For Work In Restricted Working Space, Add	10.46	
40 05 23 43-1221 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316	68.29	18.95
For Work In Restricted Working Space, Add	11.38	
40 05 23 43-1222 EA 1" Cap, Stainless Steel Schedule 40 Type 316	84.65	25.02
For Work In Restricted Working Space, Add	15.02	
40 05 23 43-1223 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316	91.81	26.53
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-1224 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316	102.18	30.33
For Work In Restricted Working Space, Add	18.20	
40 05 23 43-1225 EA 2" Cap, Stainless Steel Schedule 40 Type 316	111.09	34.11
For Work In Restricted Working Space, Add	20.46	
40 05 23 43-1226 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316	137.01	43.59
For Work In Restricted Working Space, Add	26.16	
40 05 23 43-1227 EA 3" Cap, Stainless Steel Schedule 40 Type 316	156.12	50.42
For Work In Restricted Working Space, Add	30.23	
40 05 23 43-1228 EA 4" Cap, Stainless Steel Schedule 40 Type 316	231.84	67.47
For Work In Restricted Working Space, Add	40.49	
40 05 23 43-1229 EA 6" Cap, Stainless Steel Schedule 40 Type 316	301.88	101.21
For Work In Restricted Working Space, Add	60.67	
 40 05 23 43-1230 Reducing Tees (40 05 23 43-1123)		
40 05 23 43-1231 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	167.52	54.96
For Work In Restricted Working Space, Add	27.46	
40 05 23 43-1232 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	188.34	67.47
For Work In Restricted Working Space, Add	33.70	
40 05 23 43-1233 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 316	202.26	75.82
For Work In Restricted Working Space, Add	37.88	
40 05 23 43-1234 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	266.37	86.43
For Work In Restricted Working Space, Add	43.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1235 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	230.55	92.87
<i>For Work In Restricted Working Space, Add</i>	46.37	
40 05 23 43-1236 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	248.44	101.21
<i>For Work In Restricted Working Space, Add</i>	50.57	
40 05 23 43-1237 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	418.39	121.30
<i>For Work In Restricted Working Space, Add</i>	60.59	
40 05 23 43-1238 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	425.74	151.63
<i>For Work In Restricted Working Space, Add</i>	75.94	
40 05 23 43-1239 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	518.53	170.58
<i>For Work In Restricted Working Space, Add</i>	85.23	
40 05 23 43-1240 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	1,082.11	227.45
<i>For Work In Restricted Working Space, Add</i>	113.63	
40 05 23 43-1241 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	2,462.94	318.83
<i>For Work In Restricted Working Space, Add</i>	170.81	
40 05 23 43-1242 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	4,460.86	478.25
<i>For Work In Restricted Working Space, Add</i>	256.21	
40 05 23 43-1243 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	5,576.08	597.82
<i>For Work In Restricted Working Space, Add</i>	320.26	
40 05 23 43-1244 Valves (40 05 23 43-0231)		
40 05 23 43-1245 Gate Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1246 EA 1/2" Gate Valve, Stainless Steel, Flanged.....	500.61	38.63
<i>For Work In Restricted Working Space, Add</i>	23.18	
<i>For Class 200, Deduct</i>	-113.24	
<i>For Class 300, Add</i>	397.94	
40 05 23 43-1247 EA 3/4" Gate Valve, Stainless Steel, Flanged.....	537.02	40.66
<i>For Work In Restricted Working Space, Add</i>	24.40	
<i>For Class 200, Deduct</i>	-121.90	
<i>For Class 300, Add</i>	428.35	
40 05 23 43-1248 EA 1" Gate Valve, Stainless Steel, Flanged.....	635.77	40.66
<i>For Work In Restricted Working Space, Add</i>	24.40	
<i>For Class 200, Deduct</i>	-148.31	
<i>For Class 300, Add</i>	521.17	
40 05 23 43-1249 EA 1-1/4" Gate Valve, Stainless Steel, Flanged.....	816.35	54.09
<i>For Work In Restricted Working Space, Add</i>	32.45	
<i>For Class 200, Deduct</i>	-189.44	
<i>For Class 300, Add</i>	665.68	
40 05 23 43-1250 EA 1-1/2" Gate Valve, Stainless Steel, Flanged.....	920.85	67.90
<i>For Work In Restricted Working Space, Add</i>	40.75	
<i>For Class 200, Deduct</i>	-210.00	
<i>For Class 300, Add</i>	737.93	
40 05 23 43-1251 EA 2" Gate Valve, Stainless Steel, Flanged.....	1,109.59	90.27
<i>For Work In Restricted Working Space, Add</i>	54.17	
<i>For Class 200, Deduct</i>	-248.51	
<i>For Class 300, Add</i>	873.28	
40 05 23 43-1252 EA 2-1/2" Gate Valve, Stainless Steel, Flanged.....	1,618.65	116.30
<i>For Work In Restricted Working Space, Add</i>	69.79	
<i>For Class 300, Add</i>	1,302.86	
40 05 23 43-1253 EA 3" Gate Valve, Stainless Steel, Flanged.....	1,824.70	135.41
<i>For Work In Restricted Working Space, Add</i>	81.22	
<i>For Class 300, Add</i>	1,460.73	
40 05 23 43-1254 EA 4" Gate Valve, Stainless Steel, Flanged.....	2,334.27	173.23
<i>For Work In Restricted Working Space, Add</i>	103.91	
<i>For Class 300, Add</i>	1,868.63	
40 05 23 43-1255 EA 6" Gate Valve, Stainless Steel, Flanged.....	3,862.08	203.32
<i>For Work In Restricted Working Space, Add</i>	121.99	
<i>For Class 300, Add</i>	3,248.11	
40 05 23 43-1256 EA 8" Gate Valve, Stainless Steel, Flanged.....	8,371.62	232.19
<i>For Work In Restricted Working Space, Add</i>	139.26	
<i>For Class 300, Add</i>	7,432.97	
40 05 23 43-1257 EA 10" Gate Valve, Stainless Steel, Flanged.....	11,807.56	284.65
<i>For Work In Restricted Working Space, Add</i>	170.86	
<i>For Class 300, Add</i>	10,563.75	
40 05 23 43-1258 EA 12" Gate Valve, Stainless Steel, Flanged.....	17,792.84	344.83
<i>For Work In Restricted Working Space, Add</i>	206.98	
<i>For Class 300, Add</i>	16,076.74	
40 05 23 43-1259 Globe Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1260 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	675.26	38.63
<i>For Work In Restricted Working Space, Add</i>	23.17	
<i>For Class 200, Deduct</i>	-159.97	
<i>For Class 300, Add</i>	562.15	
40 05 23 43-1261 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	740.02	40.66
<i>For Work In Restricted Working Space, Add</i>	24.40	
<i>For Class 200, Deduct</i>	-176.20	
<i>For Class 300, Add</i>	619.17	
40 05 23 43-1262 EA 1" Globe Valve, Stainless Steel, Flanged.....	900.07	42.69
<i>For Work In Restricted Working Space, Add</i>	25.61	
<i>For Class 200, Deduct</i>	-217.93	
<i>For Class 300, Add</i>	765.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1263 EA 1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,349.15 40.73 -324.58 1,140.58	67.90
40 05 23 43-1264 EA 2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,662.62 54.17 -396.45 1,393.15	90.27
40 05 23 43-1265 EA 2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,352.67 69.76 2,932.94	116.30
40 05 23 43-1266 EA 3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,477.55 81.22 3,014.41	135.41
40 05 23 43-1267 EA 4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,073.20 103.91 3,503.22	173.23
40 05 23 43-1268 EA 6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,470.29 121.99 6,639.83	203.32
40 05 23 43-1269 Check Valves, Class 150 <small>(40 05 23 43-1244)</small>		
40 05 23 43-1270 EA 2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,552.02 69.76 1,240.33	116.30
40 05 23 43-1271 EA 3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,631.38 81.22 1,279.01	135.41
40 05 23 43-1272 EA 4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,463.94 103.91 1,990.52	173.23
40 05 23 43-1273 EA 6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,191.24 121.99 3,557.52	203.32
40 05 23 43-1274 EA 8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,312.52 139.26 6,437.42	232.19
40 05 23 43-1275 Type 316 Seamless Annealed Tubing <small>(40 05 23 43)</small> Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1276 Type 316 Seamless Annealed Tubing <small>(40 05 23 43-1275)</small>		
40 05 23 43-1277 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	14.65	
40 05 23 43-1278 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	18.13	
40 05 23 43-1279 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	21.91	
40 05 23 43-1280 Type 316 Seamless Annealed Tubing Fittings <small>(40 05 23 43-1275)</small> Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1281 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	48.65	
40 05 23 43-1282 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	52.86	
40 05 23 43-1283 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	81.15	
40 05 23 43-1284 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	45.41	
40 05 23 43-1285 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	74.95	
40 05 23 43-1286 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	56.06	
40 05 23 43-1287 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	70.44	
40 05 23 43-1288 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	108.52	
40 05 23 43-1289 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	69.18	
40 05 23 43-1290 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	106.52	
40 05 23 43-1291 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	67.24	
40 05 23 43-1292 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	87.29	
40 05 23 43-1293 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	144.97	
40 05 23 43-1294 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	119.97	
40 05 23 43-1295 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	147.52	
40 05 23 43-1296 Valves For High Pressure Air (5,000 PSIG) <small>(40 05 23 43-1275)</small>		
40 05 23 43-1297 Needle Valves <small>(40 05 23 43-1296)</small>		
40 05 23 43-1298 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	279.28	
40 05 23 43-1299 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	445.23	
40 05 23 43-1300 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG <small>(40 05 23 43-1296)</small>		
40 05 23 43-1301 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	268.05	
40 05 23 43-1302 Other Valves Working Pressure 6,000 PSI <small>(40 05 23 43-1296)</small>		
40 05 23 43-1303 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,122.45	
40 05 23 43-1304 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	278.95	
40 05 23 43-1305 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	52.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41			Glass Process Pipe <small>(40 05)</small>		
40 05 41 00-0001			Glass Pressure Pipe <small>(40 05 41)</small>		
40 05 41 00-0002			Glass Pipe, Beaded Joints <small>(40 05 41 00-0001)</small>		
40 05 41 00-0003	LF		1/2" Glass Pipe, Pressure.....	28.33	11.22
			<i>For Work In Restricted Working Space, Add</i>	6.74	
40 05 41 00-0004	LF		3/4" Glass Pipe, Pressure.....	33.99	13.47
			<i>For Work In Restricted Working Space, Add</i>	8.08	
40 05 41 00-0005	LF		1" Glass Pipe, Pressure.....	39.11	14.97
			<i>For Work In Restricted Working Space, Add</i>	8.98	
40 05 41 00-0006	LF		1-1/2" Glass Pipe, Pressure.....	51.90	20.21
			<i>For Work In Restricted Working Space, Add</i>	12.12	
40 05 41 00-0007	LF		2" Glass Pipe, Pressure.....	63.10	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.37	
40 05 41 00-0008	LF		3" Glass Pipe, Pressure.....	77.09	27.69
			<i>For Work In Restricted Working Space, Add</i>	16.61	
40 05 41 00-0009	LF		4" Glass Pipe, Pressure.....	105.25	37.42
			<i>For Work In Restricted Working Space, Add</i>	22.45	
40 05 41 00-0010	LF		6" Glass Pipe, Pressure.....	144.35	44.90
			<i>For Work In Restricted Working Space, Add</i>	26.94	
40 05 41 00-0011			Glass 90 Degree Elbows <small>(40 05 41 00-0001)</small>		
40 05 41 00-0012	EA		1/2" 90 Degree Elbow, Glass, Pressure.....	133.46	59.87
			<i>For Work In Restricted Working Space, Add</i>	35.92	
40 05 41 00-0013	EA		3/4" 90 Degree Elbow, Glass, Pressure.....	143.40	63.61
			<i>For Work In Restricted Working Space, Add</i>	38.17	
40 05 41 00-0014	EA		1" 90 Degree Elbow, Glass, Pressure.....	155.87	67.36
			<i>For Work In Restricted Working Space, Add</i>	40.41	
40 05 41 00-0015	EA		1-1/2" 90 Degree Elbow, Glass, Pressure.....	172.24	74.84
			<i>For Work In Restricted Working Space, Add</i>	44.90	
40 05 41 00-0016	EA		2" 90 Degree Elbow, Glass, Pressure.....	194.74	82.31
			<i>For Work In Restricted Working Space, Add</i>	49.40	
40 05 41 00-0017	EA		3" 90 Degree Elbow, Glass, Pressure.....	242.52	97.28
			<i>For Work In Restricted Working Space, Add</i>	58.37	
40 05 41 00-0018	EA		4" 90 Degree Elbow, Glass, Pressure.....	276.27	104.77
			<i>For Work In Restricted Working Space, Add</i>	62.85	
40 05 41 00-0019	EA		6" 90 Degree Elbow, Glass, Pressure.....	413.47	119.73
			<i>For Work In Restricted Working Space, Add</i>	71.85	
40 05 41 00-0020			Glass 45 Degree Elbows <small>(40 05 41 00-0001)</small>		
40 05 41 00-0021	EA		1/2" 45 Degree Elbow, Glass, Pressure.....	132.91	59.87
			<i>For Work In Restricted Working Space, Add</i>	35.92	
40 05 41 00-0022	EA		3/4" 45 Degree Elbow, Glass, Pressure.....	142.76	63.61
			<i>For Work In Restricted Working Space, Add</i>	38.17	
40 05 41 00-0023	EA		1" 45 Degree Elbow, Glass, Pressure.....	155.01	67.36
			<i>For Work In Restricted Working Space, Add</i>	40.41	
40 05 41 00-0024	EA		1-1/2" 45 Degree Elbow, Glass, Pressure.....	171.34	74.84
			<i>For Work In Restricted Working Space, Add</i>	44.90	
40 05 41 00-0025	EA		2" 45 Degree Elbow, Glass, Pressure.....	193.51	82.31
			<i>For Work In Restricted Working Space, Add</i>	49.39	
40 05 41 00-0026	EA		3" 45 Degree Elbow, Glass, Pressure.....	240.62	97.28
			<i>For Work In Restricted Working Space, Add</i>	58.37	
40 05 41 00-0027	EA		4" 45 Degree Elbow, Glass, Pressure.....	273.60	104.77
			<i>For Work In Restricted Working Space, Add</i>	62.85	
40 05 41 00-0028	EA		6" 45 Degree Elbow, Glass, Pressure.....	406.42	119.73
			<i>For Work In Restricted Working Space, Add</i>	71.82	
40 05 41 00-0029			Glass Tees <small>(40 05 41 00-0001)</small>		
40 05 41 00-0030	EA		1/2" Tee, Glass, Pressure.....	203.15	89.80
			<i>For Work In Restricted Working Space, Add</i>	53.89	
40 05 41 00-0031	EA		3/4" Tee, Glass, Pressure.....	218.40	97.28
			<i>For Work In Restricted Working Space, Add</i>	58.37	
40 05 41 00-0032	EA		1" Tee, Glass, Pressure.....	235.83	104.77
			<i>For Work In Restricted Working Space, Add</i>	62.85	
40 05 41 00-0033	EA		1-1/2" Tee, Glass, Pressure.....	263.02	112.25
			<i>For Work In Restricted Working Space, Add</i>	67.34	
40 05 41 00-0034	EA		2" Tee, Glass, Pressure.....	292.12	123.48
			<i>For Work In Restricted Working Space, Add</i>	74.09	
40 05 41 00-0035	EA		3" Tee, Glass, Pressure.....	354.82	149.67
			<i>For Work In Restricted Working Space, Add</i>	89.80	
40 05 41 00-0036	EA		4" Tee, Glass, Pressure.....	407.27	157.08
			<i>For Work In Restricted Working Space, Add</i>	94.25	
40 05 41 00-0037	EA		6" Tee, Glass, Pressure.....	521.78	179.53
			<i>For Work In Restricted Working Space, Add</i>	107.73	
40 05 41 00-0038			Glass Couplings, Vitron Liner <small>(40 05 41 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0039 EA 1/2" Coupling, Vitron Liner, Glass.....	19.75	
40 05 41 00-0040 EA 3/4" Coupling, Vitron Liner, Glass.....	22.57	
40 05 41 00-0041 EA 1" Coupling, Vitron Liner, Glass.....	26.33	
40 05 41 00-0042 EA 1-1/2" Coupling, Vitron Liner, Glass.....	30.09	
40 05 41 00-0043 EA 2" Coupling, Vitron Liner, Glass.....	36.21	
40 05 41 00-0044 EA 3" Coupling, Vitron Liner, Glass.....	66.30	
40 05 41 00-0045 EA 4" Coupling, Vitron Liner, Glass.....	79.94	
40 05 41 00-0046 EA 6" Coupling, Vitron Liner, Glass.....	159.87	

END OF SECTION 40

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 41 Glass Process Pipe



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment ⁽⁴¹⁾

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment ^(41 01)

41 01 20 00-0001 Maintenance ^(41 01 20)

41 01 20 00-0002	EA	Regular Inspection.....	309.39
41 01 20 00-0003	HR	Hoist Or Crane Servicing, Labor Only.....	87.86
41 01 20 00-0004	MO	Hoist Or Crane Maintenance Contract.....	580.03

41 20 Piece Material Handling Equipment ⁽⁴¹⁾

41 22 Cranes And Hoists ^(41 20)

41 22 23 Hoists ^(41 22)

41 22 23 13 Fixed Hoists ^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists ^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	3,571.03	288.81
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	3,610.46	288.81
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	4,326.94	288.81
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	5,458.03	385.09
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	6,898.75	481.36
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	8,131.42	707.40
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	9,408.27	854.41
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	10,447.47	854.41

41 22 23 13-0010 Electric Hoists ^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists ^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,572.16	279.18
		<i>For DC Electrical Operated, Add</i>	503.02	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	2,682.39	279.18
		<i>For DC Electrical Operated, Add</i>	530.20	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	2,960.43	279.18
		<i>For DC Electrical Operated, Add</i>	597.41	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,437.71	288.81
		<i>For DC Electrical Operated, Add</i>	960.64	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	3,832.83	288.81
		<i>For DC Electrical Operated, Add</i>	807.70	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	5,458.93	298.44
		<i>For DC Electrical Operated, Add</i>	1,206.47	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	4,952.55	327.32
		<i>For DC Electrical Operated, Add</i>	1,052.94	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,110.06	404.33
		<i>For DC Electrical Operated, Add</i>	1,337.60	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	7,215.56	419.24
		<i>For DC Electrical Operated, Add</i>	1,622.57	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	11,589.66	437.47
		<i>For DC Electrical Operated, Add</i>	2,678.49	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	13,876.20	455.70
		<i>For DC Electrical Operated, Add</i>	3,240.65	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	19,178.30	473.93
		<i>For DC Electrical Operated, Add</i>	4,556.45	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	24,534.27	519.50
		<i>For DC Electrical Operated, Add</i>	5,872.54	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

41 Material Processing And Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes And Hoists**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23	13-0025		Hand Chain Hoists <small>(41 22 23 13)</small>		
41 22 23	13-0026	EA	1,000 LB Capacity, Hand Chain Hoist.....	900.34	89.78
41 22 23	13-0027	EA	2,000 LB Capacity, Hand Chain Hoist.....	1,057.14	91.01
41 22 23	13-0028	EA	3,000 LB Capacity, Hand Chain Hoist.....	1,412.53	95.31
41 22 23	13-0029	EA	4,000 LB Capacity, Hand Chain Hoist.....	1,587.25	96.55
41 22 23	13-0030	EA	5,000 LB Capacity, Hand Chain Hoist.....	1,911.83	101.47
41 22 23	13-0031	EA	6,000 LB Capacity, Hand Chain Hoist.....	2,142.32	118.68
41 22 23	13-0032	EA	10,000 LB Capacity, Hand Chain Hoist.....	2,960.13	122.37
41 22 23	13-0033	EA	16,000 LB Capacity, Hand Chain Hoist.....	3,862.56	147.59
41 22 23	13-0034	EA	20,000 LB Capacity, Hand Chain Hoist.....	4,711.51	154.35
41 22 23	13-0035	EA	30,000 LB Capacity, Hand Chain Hoist.....	8,280.24	176.49

END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 Process Gas and Liquid Handling, Purification, and Storage Equipment		
43 20 Liquid Handling Equipment ⁽⁴³⁾		
43 23 Dry Location Liquid Pumps ^(43 20)		
43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)		
43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)		
43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)		
43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	2,385.96	
 43 24 Suspended Liquid Pumps ^(43 20)		
43 24 41 Archimedes Screw Pumps ^(43 24)		
43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)		
43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)		
43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....	1,972.07	
 43 40 Gas and Liquid Storage ⁽⁴³⁾		
43 41 Non-pressurized Tanks And Vessels ^(43 40)		
43 41 31 Metallic Specialty Tanks ^(43 41)		
43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 41 31)		
43 41 31 00-0002 EA 250 Gallon LP Gas Storage Tank	1,862.37	46.77
43 41 31 00-0003 EA 500 Gallon LP Gas Storage Tank	2,536.22	56.13
43 41 31 00-0004 EA 1,000 Gallon LP Gas Storage Tank	4,415.48	65.48

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 41 Non-pressurized Tanks And Vessels



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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